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

Cover Page

Order ID : Q1500

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

Client : AECOM Technical Services, Inc.

Lab Sample Number	Client Sample Number
Q1500-01	RE114D2-20250304
Q1500-02	MW178S-20250305
Q1500-03	MW178I-20250305
Q1500-04	MW178I1-20250305
Q1500-05	MW179D1-20250305
Q1500-06	MW179D2-20250305
Q1500-07	MW179D-20250305
Q1500-08	TB

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

Signature : _____

Date: 3/13/2025

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 # Q1500
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
8 Water samples were received on 03/05/2025.

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 met the requirements .
The Tuning criteria met requirements.

Samples MW178I1-20250305, MW179D-20250305 were diluted due to high concentrations.

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

The not QT review data is reported in the Miscellaneous.

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

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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: Q1500 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 met the requirements .			
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:			

ADDITIONAL COMMENTS:

Samples MW178I1-20250305, MW179D-20250305 were diluted due to high concentrations.

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

NA NO YES

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

The not QT review data is reported in the Miscellaneous.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

_____ _____
QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1500**

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

QA Review Signature: **SOHIL JODHANI** **Date:** **03/13/2025**

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LAB CHRONICLE

OrderID:	Q1500	**OrderDate:**	3/5/2025 2:13:00 PM
Client:	AECOM Technical Services, Inc.	**Project:**	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Contact:	Eleanor Vivadou	**Location:**	I21,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1500-01	**RE114D2-20250304**	**Water**			**03/04/25**			**03/05/25**
			VOCMS Group1	8260-Low			03/10/25	
Q1500-02	**MW178S-20250305**	**Water**			**03/05/25**			**03/05/25**
			VOCMS Group1	8260-Low			03/10/25	
Q1500-03	**MW178I-20250305**	**Water**			**03/05/25**			**03/05/25**
			VOCMS Group1	8260-Low			03/10/25	
Q1500-04	**MW178I1-20250305**	**Water**			**03/05/25**			**03/05/25**
			VOCMS Group1	8260-Low			03/10/25	
Q1500-04DL	**MW178I1-20250305DL**	**Water**			**03/05/25**			**03/05/25**
			VOCMS Group1	8260-Low			03/11/25	
Q1500-05	**MW179D1-20250305**	**Water**			**03/05/25**			**03/05/25**
			VOCMS Group1	8260-Low			03/10/25	
Q1500-06	**MW179D2-20250305**	**Water**			**03/05/25**			**03/05/25**
			VOCMS Group1	8260-Low			03/10/25	
Q1500-07	**MW179D-20250305**	**Water**			**03/05/25**			**03/05/25**
			VOCMS Group1	8260-Low			03/10/25	
Q1500-07DL	**MW179D-20250305DL**	**Water**			**03/05/25**			**03/05/25**
			VOCMS Group1	8260-Low			03/11/25	
Q1500-08	**TB**	**Water**			**03/05/25**			**03/05/25**
			VOCMS Group1	8260-Low			03/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1500

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**RE114D2-20250304**								
Q1500-01	RE114D2-2025030	Water	Dichlorodifluoromethane	0.86	J	0.21	0.50	1.00	ug/L
Q1500-01	RE114D2-2025030	Water	1,1,2-Trichlorotrifluoroethane	17.3		0.25	0.50	1.00	ug/L
Q1500-01	RE114D2-2025030	Water	Acetone	1.50	J	1.40	3.80	5.00	ug/L
Q1500-01	RE114D2-2025030	Water	Carbon Tetrachloride	0.73	J	0.25	0.50	1.00	ug/L
Q1500-01	RE114D2-2025030	Water	cis-1,2-Dichloroethene	2.40		0.25	0.75	1.00	ug/L
Q1500-01	RE114D2-2025030	Water	Trichloroethene	110		0.32	0.75	1.00	ug/L
			Total Voc :	133					
			Total Concentration:	133					
Client ID:	**MW178S-20250305**								
Q1500-02	MW178S-2025030	Water	Acetone	1.80	J	1.40	3.80	5.00	ug/L
Q1500-02	MW178S-2025030	Water	Methyl tert-butyl Ether	2.00		0.16	0.50	1.00	ug/L
Q1500-02	MW178S-2025030	Water	Trichloroethene	0.53	J	0.32	0.75	1.00	ug/L
Q1500-02	MW178S-2025030	Water	Tetrachloroethene	0.37	J	0.25	0.50	1.00	ug/L
			Total Voc :	4.70					
			Total Concentration:	4.70					
Client ID:	**MW178I-20250305**								
Q1500-03	MW178I-20250305	Water	Acetone	2.00	J	1.40	3.80	5.00	ug/L
Q1500-03	MW178I-20250305	Water	Methyl tert-butyl Ether	1.00		0.16	0.50	1.00	ug/L
Q1500-03	MW178I-20250305	Water	Trichloroethene	0.91	J	0.32	0.75	1.00	ug/L
Q1500-03	MW178I-20250305	Water	Tetrachloroethene	0.44	J	0.25	0.50	1.00	ug/L
			Total Voc :	4.35					
			Total Concentration:	4.35					
Client ID:	**MW178I1-20250305**								
Q1500-04	MW178I1-2025030	Water	1,1-Dichloroethene	2.70		0.26	0.75	1.00	ug/L
Q1500-04	MW178I1-2025030	Water	Acetone	1.80	J	1.40	3.80	5.00	ug/L
Q1500-04	MW178I1-2025030	Water	Methyl tert-butyl Ether	0.50	J	0.16	0.50	1.00	ug/L
Q1500-04	MW178I1-2025030	Water	cis-1,2-Dichloroethene	38.1		0.25	0.75	1.00	ug/L
Q1500-04	MW178I1-2025030	Water	Trichloroethene	510	E	0.32	0.75	1.00	ug/L
Q1500-04	MW178I1-2025030	Water	1,2-Dichloropropane	27.2		0.19	0.50	1.00	ug/L
Q1500-04	MW178I1-2025030	Water	Tetrachloroethene	40.6		0.25	0.50	1.00	ug/L
			Total Voc :	621					
			Total Concentration:	621					
Client ID:	**MW178I1-20250305DL**								
Q1500-04DL	MW178I1-2025030	Water	cis-1,2-Dichloroethene	36.7	D	2.50	7.50	10.0	ug/L
Q1500-04DL	MW178I1-2025030	Water	Trichloroethene	500	D	3.20	7.50	10.0	ug/L
Q1500-04DL	MW178I1-2025030	Water	1,2-Dichloropropane	25.1	D	1.90	5.00	10.0	ug/L
Q1500-04DL	MW178I1-2025030	Water	Tetrachloroethene	37.7	D	2.50	5.00	10.0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q1500

Client: AECOM Technical Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
			Total Voc :	600					
			Total Concentration:	600					
Client ID:	**MW179D1-20250305**								
Q1500-05	MW179D1-202503(	Water	Methyl tert-butyl Ether	0.91	J	0.16	0.50	1.00	ug/L
Q1500-05	MW179D1-202503(	Water	cis-1,2-Dichloroethene	16.1		0.25	0.75	1.00	ug/L
Q1500-05	MW179D1-202503(	Water	Trichloroethene	140		0.32	0.75	1.00	ug/L
Q1500-05	MW179D1-202503(	Water	Tetrachloroethene	15.7		0.25	0.50	1.00	ug/L
			Total Voc :	173					
			Total Concentration:	173					
Client ID:	**MW179D2-20250305**								
Q1500-06	MW179D2-202503(	Water	1,1-Dichloroethene	1.50		0.26	0.75	1.00	ug/L
Q1500-06	MW179D2-202503(	Water	Acetone	1.50	J	1.40	3.80	5.00	ug/L
Q1500-06	MW179D2-202503(	Water	Trichloroethene	10.2		0.32	0.75	1.00	ug/L
Q1500-06	MW179D2-202503(	Water	Tetrachloroethene	2.10		0.25	0.50	1.00	ug/L
			Total Voc :	15.3					
			Total Concentration:	15.3					
Client ID:	**MW179D-20250305**								
Q1500-07	MW179D-2025030:	Water	Acetone	1.80	J	1.40	3.80	5.00	ug/L
Q1500-07	MW179D-2025030:	Water	Methyl tert-butyl Ether	2.70		0.16	0.50	1.00	ug/L
Q1500-07	MW179D-2025030:	Water	cis-1,2-Dichloroethene	50.0		0.25	0.75	1.00	ug/L
Q1500-07	MW179D-2025030:	Water	Trichloroethene	180	E	0.32	0.75	1.00	ug/L
Q1500-07	MW179D-2025030:	Water	Tetrachloroethene	13.1		0.25	0.50	1.00	ug/L
			Total Voc :	248					
			Total Concentration:	248					
Client ID:	**MW179D-20250305DL**								
Q1500-07DL	MW179D-2025030:	Water	Methyl tert-butyl Ether	2.70	JD	0.64	2.00	4.00	ug/L
Q1500-07DL	MW179D-2025030:	Water	cis-1,2-Dichloroethene	54.7	D	1.00	3.00	4.00	ug/L
Q1500-07DL	MW179D-2025030:	Water	Trichloroethene	190	D	1.30	3.00	4.00	ug/L
Q1500-07DL	MW179D-2025030:	Water	Tetrachloroethene	14.2	D	1.00	2.00	4.00	ug/L
			Total Voc :	262					
			Total Concentration:	262					
Client ID:	**TB**								
Q1500-08	TB	Water	Acetone	2.50	J	1.40	3.80	5.00	ug/L
			Total Voc :	2.50					
			Total Concentration:	2.50					

QC
SUMMARY

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

SDG No.: Q1500

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1500-01	RE114D2-20250304	1,2-Dichloroethane-d4	50	53.7	107	81	118
		Dibromofluoromethane	50	51.3	103	80	119
		Toluene-d8	50	51.4	103	89	112
		4-Bromofluorobenzene	50	52.4	105	85	114
Q1500-02	MW178S-20250305	1,2-Dichloroethane-d4	50	52.3	105	81	118
		Dibromofluoromethane	50	51.4	103	80	119
		Toluene-d8	50	51.2	102	89	112
		4-Bromofluorobenzene	50	52.8	106	85	114
Q1500-03	MW178I-20250305	1,2-Dichloroethane-d4	50	52.3	105	81	118
		Dibromofluoromethane	50	52.0	104	80	119
		Toluene-d8	50	52.4	105	89	112
		4-Bromofluorobenzene	50	53.5	107	85	114
Q1500-04	MW178I1-20250305	1,2-Dichloroethane-d4	50	51.9	104	81	118
		Dibromofluoromethane	50	52.8	106	80	119
		Toluene-d8	50	50.4	101	89	112
		4-Bromofluorobenzene	50	52.3	105	85	114
Q1500-04DL	MW178I1-20250305DL	1,2-Dichloroethane-d4	50	53.1	106	81	118
		Dibromofluoromethane	50	51.2	102	80	119
		Toluene-d8	50	51.7	103	89	112
		4-Bromofluorobenzene	50	52.6	105	85	114
Q1500-05	MW179D1-20250305	1,2-Dichloroethane-d4	50	52.4	105	81	118
		Dibromofluoromethane	50	51.1	102	80	119
		Toluene-d8	50	51.2	102	89	112
		4-Bromofluorobenzene	50	50.9	102	85	114
Q1500-06	MW179D2-20250305	1,2-Dichloroethane-d4	50	52.5	105	81	118
		Dibromofluoromethane	50	51.2	102	80	119
		Toluene-d8	50	51.1	102	89	112
		4-Bromofluorobenzene	50	55.0	110	85	114
Q1500-07	MW179D-20250305	1,2-Dichloroethane-d4	50	52.8	106	81	118
		Dibromofluoromethane	50	51.5	103	80	119
		Toluene-d8	50	51.6	103	89	112
		4-Bromofluorobenzene	50	52.7	105	85	114
Q1500-07DL	MW179D-20250305DL	1,2-Dichloroethane-d4	50	52.4	105	81	118
		Dibromofluoromethane	50	51.4	103	80	119
		Toluene-d8	50	51.7	103	89	112
		4-Bromofluorobenzene	50	53.4	107	85	114
Q1500-08	TB	1,2-Dichloroethane-d4	50	54.2	108	81	118
		Dibromofluoromethane	50	52.9	106	80	119
		Toluene-d8	50	51.7	103	89	112
		4-Bromofluorobenzene	50	53.0	106	85	114
VX0310WBL01	VX0310WBL01	1,2-Dichloroethane-d4	50	53.0	106	81	118
		Dibromofluoromethane	50	51.1	102	80	119
		Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	53.5	107	85	114
VX0310WBS01	VX0310WBS01	1,2-Dichloroethane-d4	50	48.1	96	81	118
		Dibromofluoromethane	50	49.8	100	80	119
		Toluene-d8	50	49.2	98	89	112
		4-Bromofluorobenzene	50	52.0	104	85	114
VX0311WBL01	VX0311WBL01	1,2-Dichloroethane-d4	50	53.3	107	81	118
		Dibromofluoromethane	50	50.6	101	80	119

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Surrogate Summary

SDG No.: Q1500

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VX0311WBL01	VX0311WBL01	Toluene-d8	50	50.6	101	89	112
		4-Bromofluorobenzene	50	51.4	103	85	114
VX0311WBS01	VX0311WBS01	1,2-Dichloroethane-d4	50	52.0	104	81	118
		Dibromofluoromethane	50	51.9	104	80	119
		Toluene-d8	50	51.2	102	89	112
		4-Bromofluorobenzene	50	52.9	106	85	114
VX0311WBSD0	VX0311WBSD01	1,2-Dichloroethane-d4	50	51.1	102	81	118
		Dibromofluoromethane	50	51.0	102	80	119
		Toluene-d8	50	50.7	101	89	112
		4-Bromofluorobenzene	50	54.4	109	85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1500

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045186.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0310WBS01	Dichlorodifluoromethane	20	19.4	ug/L	97			32	152	
	Chloromethane	20	18.7	ug/L	94			50	139	
	Vinyl chloride	20	17.1	ug/L	86			58	137	
	Bromomethane	20	17.9	ug/L	90			53	141	
	Chloroethane	20	20.5	ug/L	103			60	138	
	Trichlorofluoromethane	20	18.6	ug/L	93			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/L	102			70	136	
	1,1-Dichloroethene	20	18.7	ug/L	94			71	131	
	Acetone	100	87.4	ug/L	87			39	160	
	Carbon disulfide	20	17.2	ug/L	86			64	133	
	Methyl tert-butyl Ether	20	18.7	ug/L	94			71	124	
	Methyl Acetate	20	20.5	ug/L	103			56	136	
	Methylene Chloride	20	18.5	ug/L	93			74	124	
	trans-1,2-Dichloroethene	20	18.4	ug/L	92			75	124	
	1,1-Dichloroethane	20	18.7	ug/L	94			77	125	
	Cyclohexane	20	18.9	ug/L	95			71	130	
	2-Butanone	100	94.2	ug/L	94			56	143	
	Carbon Tetrachloride	20	19.4	ug/L	97			72	136	
	cis-1,2-Dichloroethene	20	19.1	ug/L	96			78	123	
	Bromochloromethane	20	16.6	ug/L	83			78	123	
	Chloroform	20	18.5	ug/L	93			79	124	
	1,1,1-Trichloroethane	20	19.0	ug/L	95			74	131	
	Methylcyclohexane	20	20.2	ug/L	101			72	132	
	Benzene	20	19.2	ug/L	96			79	120	
	1,2-Dichloroethane	20	19.4	ug/L	97			73	128	
	Trichloroethene	20	18.9	ug/L	95			79	123	
	1,2-Dichloropropane	20	19.3	ug/L	97			78	122	
	Bromodichloromethane	20	19.3	ug/L	97			79	125	
	4-Methyl-2-Pentanone	100	100	ug/L	100			67	130	
	Toluene	20	19.4	ug/L	97			80	121	
	t-1,3-Dichloropropene	20	19.9	ug/L	100			73	127	
	cis-1,3-Dichloropropene	20	20.5	ug/L	103			75	124	
	1,1,2-Trichloroethane	20	19.0	ug/L	95			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	19.7	ug/L	99			74	126	
	1,2-Dibromoethane	20	19.4	ug/L	97			77	121	
	Tetrachloroethene	20	19.6	ug/L	98			74	129	
	Chlorobenzene	20	19.9	ug/L	100			82	118	
	Ethyl Benzene	20	19.8	ug/L	99			79	121	
	m/p-Xylenes	40	40.5	ug/L	101			80	121	
	o-Xylene	20	19.8	ug/L	99			78	122	
	Styrene	20	20.4	ug/L	102			78	123	
	Bromoform	20	20.1	ug/L	101			66	130	
	Isopropylbenzene	20	19.4	ug/L	97			72	131	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/L	95			71	121	
	1,3-Dichlorobenzene	20	19.8	ug/L	99			80	119	
	1,4-Dichlorobenzene	20	19.1	ug/L	96			79	118	
	1,2-Dichlorobenzene	20	19.5	ug/L	98			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1500

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045186.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0310WBS01	1,2-Dibromo-3-Chloropropane	20	18.4	ug/L	92			62	128	
	1,2,4-Trichlorobenzene	20	19.0	ug/L	95			69	130	
	1,2,3-Trichlorobenzene	20	18.9	ug/L	95			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1500

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045214.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0311WBS01	Dichlorodifluoromethane	20	19.5	ug/L	98			32	152	
	Chloromethane	20	18.8	ug/L	94			50	139	
	Vinyl chloride	20	17.5	ug/L	88			58	137	
	Bromomethane	20	18.9	ug/L	95			53	141	
	Chloroethane	20	21.4	ug/L	107			60	138	
	Trichlorofluoromethane	20	19.1	ug/L	96			65	141	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/L	104			70	136	
	1,1-Dichloroethene	20	18.8	ug/L	94			71	131	
	Acetone	100	97.2	ug/L	97			39	160	
	Carbon disulfide	20	16.9	ug/L	85			64	133	
	Methyl tert-butyl Ether	20	19.5	ug/L	98			71	124	
	Methyl Acetate	20	22.8	ug/L	114			56	136	
	Methylene Chloride	20	18.6	ug/L	93			74	124	
	trans-1,2-Dichloroethene	20	19.4	ug/L	97			75	124	
	1,1-Dichloroethane	20	19.6	ug/L	98			77	125	
	Cyclohexane	20	19.7	ug/L	99			71	130	
	2-Butanone	100	100	ug/L	100			56	143	
	Carbon Tetrachloride	20	19.7	ug/L	99			72	136	
	cis-1,2-Dichloroethene	20	19.2	ug/L	96			78	123	
	Bromochloromethane	20	20.4	ug/L	102			78	123	
	Chloroform	20	19.9	ug/L	100			79	124	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			74	131	
	Methylcyclohexane	20	19.9	ug/L	100			72	132	
	Benzene	20	19.4	ug/L	97			79	120	
	1,2-Dichloroethane	20	19.8	ug/L	99			73	128	
	Trichloroethene	20	18.9	ug/L	95			79	123	
	1,2-Dichloropropane	20	18.9	ug/L	95			78	122	
	Bromodichloromethane	20	19.6	ug/L	98			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.0	ug/L	100			80	121	
	t-1,3-Dichloropropene	20	20.0	ug/L	100			73	127	
	cis-1,3-Dichloropropene	20	20.6	ug/L	103			75	124	
	1,1,2-Trichloroethane	20	19.5	ug/L	98			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	19.5	ug/L	98			74	126	
	1,2-Dibromoethane	20	19.6	ug/L	98			77	121	
	Tetrachloroethene	20	19.5	ug/L	98			74	129	
	Chlorobenzene	20	19.7	ug/L	99			82	118	
	Ethyl Benzene	20	19.8	ug/L	99			79	121	
	m/p-Xylenes	40	40.1	ug/L	100			80	121	
	o-Xylene	20	19.4	ug/L	97			78	122	
	Styrene	20	20.3	ug/L	102			78	123	
	Bromoform	20	20.0	ug/L	100			66	130	
	Isopropylbenzene	20	19.1	ug/L	96			72	131	
	1,1,2,2-Tetrachloroethane	20	19.5	ug/L	98			71	121	
	1,3-Dichlorobenzene	20	19.3	ug/L	97			80	119	
	1,4-Dichlorobenzene	20	18.7	ug/L	94			79	118	
	1,2-Dichlorobenzene	20	19.4	ug/L	97			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1500

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045214.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0311WBS01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/L	96			62	128	
	1,2,4-Trichlorobenzene	20	18.9	ug/L	95			69	130	
	1,2,3-Trichlorobenzene	20	18.7	ug/L	94			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1500

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045215.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0311WBSD01	Dichlorodifluoromethane	20	19.4	ug/L	97	1		32	152	20
	Chloromethane	20	17.9	ug/L	90	4		50	139	20
	Vinyl chloride	20	16.9	ug/L	85	3		58	137	20
	Bromomethane	20	19.1	ug/L	96	1		53	141	20
	Chloroethane	20	19.7	ug/L	99	8		60	138	20
	Trichlorofluoromethane	20	18.7	ug/L	94	2		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/L	104	0		70	136	20
	1,1-Dichloroethene	20	18.4	ug/L	92	2		71	131	20
	Acetone	100	96.0	ug/L	96	1		39	160	20
	Carbon disulfide	20	16.4	ug/L	82	4		64	133	20
	Methyl tert-butyl Ether	20	19.3	ug/L	97	1		71	124	20
	Methyl Acetate	20	23.0	ug/L	115	1		56	136	20
	Methylene Chloride	20	19.2	ug/L	96	3		74	124	20
	trans-1,2-Dichloroethene	20	19.2	ug/L	96	1		75	124	20
	1,1-Dichloroethane	20	19.2	ug/L	96	2		77	125	20
	Cyclohexane	20	19.1	ug/L	96	3		71	130	20
	2-Butanone	100	100	ug/L	100	0		56	143	20
	Carbon Tetrachloride	20	19.4	ug/L	97	2		72	136	20
	cis-1,2-Dichloroethene	20	19.2	ug/L	96	0		78	123	20
	Bromochloromethane	20	19.9	ug/L	100	2		78	123	20
	Chloroform	20	19.5	ug/L	98	2		79	124	20
	1,1,1-Trichloroethane	20	19.2	ug/L	96	4		74	131	20
	Methylcyclohexane	20	20.1	ug/L	101	1		72	132	20
	Benzene	20	19.2	ug/L	96	1		79	120	20
	1,2-Dichloroethane	20	19.9	ug/L	100	1		73	128	20
	Trichloroethene	20	19.0	ug/L	95	0		79	123	20
	1,2-Dichloropropane	20	19.1	ug/L	96	1		78	122	20
	Bromodichloromethane	20	19.8	ug/L	99	1		79	125	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	0		67	130	20
	Toluene	20	19.8	ug/L	99	1		80	121	20
	t-1,3-Dichloropropene	20	20.1	ug/L	101	1		73	127	20
	cis-1,3-Dichloropropene	20	20.1	ug/L	101	2		75	124	20
	1,1,2-Trichloroethane	20	20.0	ug/L	100	2		80	119	20
	2-Hexanone	100	110	ug/L	110	0		57	139	20
	Dibromochloromethane	20	19.9	ug/L	100	2		74	126	20
	1,2-Dibromoethane	20	20.7	ug/L	104	6		77	121	20
	Tetrachloroethene	20	19.3	ug/L	97	1		74	129	20
	Chlorobenzene	20	19.6	ug/L	98	1		82	118	20
	Ethyl Benzene	20	19.7	ug/L	99	0		79	121	20
	m/p-Xylenes	40	39.9	ug/L	100	0		80	121	20
	o-Xylene	20	20.2	ug/L	101	4		78	122	20
	Styrene	20	20.5	ug/L	103	1		78	123	20
	Bromoform	20	20.3	ug/L	102	2		66	130	20
	Isopropylbenzene	20	19.4	ug/L	97	1		72	131	20
	1,1,2,2-Tetrachloroethane	20	19.7	ug/L	99	1		71	121	20
	1,3-Dichlorobenzene	20	19.6	ug/L	98	1		80	119	20
	1,4-Dichlorobenzene	20	19.2	ug/L	96	2		79	118	20
	1,2-Dichlorobenzene	20	19.8	ug/L	99	2		80	119	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1500

Client: AECOM Technical Services, Inc.

Analytical Method: SW8260-Low **Datafile :** VX045215.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0311WBSD01	1,2-Dibromo-3-Chloropropane	20	19.4	ug/L	97	1		62	128	20
	1,2,4-Trichlorobenzene	20	19.5	ug/L	98	3		69	130	20
	1,2,3-Trichlorobenzene	20	19.3	ug/L	97	3		69	129	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0310WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1500 SAS No.: Q1500 SDG NO.: Q1500

Lab File ID: VX045185.D Lab Sample ID: VX0310WBL01

Date Analyzed: 03/10/2025 Time Analyzed: 10:57

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
VX0310WBS01	VX0310WBS01	VX045186.D	03/10/2025
TB	Q1500-08	VX045188.D	03/10/2025
RE114D2-20250304	Q1500-01	VX045189.D	03/10/2025
MW178S-20250305	Q1500-02	VX045190.D	03/10/2025
MW178I-20250305	Q1500-03	VX045191.D	03/10/2025
MW178I1-20250305	Q1500-04	VX045192.D	03/10/2025
MW179D1-20250305	Q1500-05	VX045193.D	03/10/2025
MW179D2-20250305	Q1500-06	VX045194.D	03/10/2025
MW179D-20250305	Q1500-07	VX045195.D	03/10/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0311WBL01

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1500 SAS No.: Q1500 SDG NO.: Q1500

Lab File ID: VX045213.D Lab Sample ID: VX0311WBL01

Date Analyzed: 03/11/2025 Time Analyzed: 10:51

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
VX0311WBS01	VX0311WBS01	VX045214.D	03/11/2025
VX0311WBSD01	VX0311WBSD01	VX045215.D	03/11/2025
MW179D-20250305DL	Q1500-07DL	VX045218.D	03/11/2025
MW178I1-20250305DL	Q1500-04DL	VX045220.D	03/11/2025

COMMENTS:

Alliance TECHNICAL GROUP

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1500 SAS No.: Q1500 SDG NO.: Q1500

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

Raw Data: **VX045182.D**

Alliance TECHNICAL GROUP
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1500 SAS No.: Q1500 SDG NO.: Q1500

Lab File ID: VX045182.D BFB Injection Date: 03/10/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:38

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	21.8
75	30.0 - 60.0% of mass 95	54
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	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	75.5
175	5.0 - 9.0% of mass 174	5.5 (7.3) 1
176	95.0 - 101.0% of mass 174	72.3 (95.8) 1
177	5.0 - 9.0% of mass 176	4.5 (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
VSTDCCC050	VSTDCCC050	VX045183.D	03/10/2025	10:06
VX0310WBL01	VX0310WBL01	VX045185.D	03/10/2025	10:57
VX0310WBS01	VX0310WBS01	VX045186.D	03/10/2025	11:20
TB	Q1500-08	VX045188.D	03/10/2025	12:10
RE114D2-20250304	Q1500-01	VX045189.D	03/10/2025	12:33
MW178S-20250305	Q1500-02	VX045190.D	03/10/2025	12:57
MW178I-20250305	Q1500-03	VX045191.D	03/10/2025	13:20
MW178I1-20250305	Q1500-04	VX045192.D	03/10/2025	13:43
MW179D1-20250305	Q1500-05	VX045193.D	03/10/2025	14:06
MW179D2-20250305	Q1500-06	VX045194.D	03/10/2025	14:29
MW179D-20250305	Q1500-07	VX045195.D	03/10/2025	14:53
VSTDCCC050EC	VSTDCCC050	VX045209.D	03/10/2025	20:17

Raw Data: **VX045210.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1500 SAS No.: Q1500 SDG NO.: Q1500

Lab File ID: VX045210.D BFB Injection Date: 03/11/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:30

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	54.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	76.6
175	5.0 - 9.0% of mass 174	5.8 (7.6) 1
176	95.0 - 101.0% of mass 174	73.2 (95.6) 1
177	5.0 - 9.0% of mass 176	4.8 (6.6) 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	VX045211.D	03/11/2025	09:59
VX0311WBL01	VX0311WBL01	VX045213.D	03/11/2025	10:51
VX0311WBS01	VX0311WBS01	VX045214.D	03/11/2025	11:14
VX0311WBSD01	VX0311WBSD01	VX045215.D	03/11/2025	11:40
MW179D-20250305DL	Q1500-07DL	VX045218.D	03/11/2025	12:50
MW178I1-20250305DL	Q1500-04DL	VX045220.D	03/11/2025	13:36
VSTDCCC050EC	VSTDCCC050	VX045236.D	03/11/2025	19:49

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1500 SAS No.: Q1500 SDG NO.: Q1500

Lab File ID: VX045183.D Date Analyzed: 03/10/2025

Instrument ID: MSVOA_X Time Analyzed: 10:06

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	120068	5.54	201201	6.75	175591	10.05
UPPER LIMIT	240136	6.044	402402	7.251	351182	10.549
LOWER LIMIT	60034	5.044	100601	6.251	87795.5	9.549
EPA SAMPLE NO.						
RE114D2-20250304	76078	5.54	151155	6.76	138329	10.06
MW178S-20250305	75866	5.55	150795	6.76	139303	10.05
MW178I-20250305	73273	5.55	144084	6.76	134557	10.06
MW178I1-20250305	73643	5.54	146508	6.76	133838	10.05
MW179D1-20250305	71208	5.55	139400	6.76	125505	10.05
MW179D2-20250305	70271	5.54	141703	6.76	133082	10.05
MW179D-20250305	74943	5.55	148068	6.76	137062	10.05
TB	71688	5.55	141487	6.76	131729	10.06
VX0310WBL01	76457	5.55	152674	6.76	139915	10.05
VX0310WBS01	104404	5.54	186124	6.76	161878	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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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1500 SAS No.: Q1500 SDG NO.: Q1500

Lab File ID: VX045183.D Date Analyzed: 03/10/2025

Instrument ID: MSVOA_X Time Analyzed: 10:06

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

	IS4 AREA #	RT #				
12 HOUR STD	77718	12.018				
UPPER LIMIT	155436	12.518				
LOWER LIMIT	38859	11.518				
EPA SAMPLE NO.						
RE114D2-20250304	57557	12.02				
MW178S-20250305	57584	12.02				
MW178I-20250305	57079	12.02				
MW178I1-20250305	56281	12.02				
MW179D1-20250305	50384	12.02				
MW179D2-20250305	58595	12.02				
MW179D-20250305	56025	12.02				
TB	55150	12.02				
VX0310WBL01	59432	12.02				
VX0310WBS01	74969	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.: Q1500 SAS No.: Q1500 SDG NO.: Q1500

Lab File ID: VX045211.D Date Analyzed: 03/11/2025

Instrument ID: MSVOA_X Time Analyzed: 09:59

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	101357	5.54	176548	6.75	153652	10.05
UPPER LIMIT	202714	6.044	353096	7.251	307304	10.549
LOWER LIMIT	50678.5	5.044	88274	6.251	76826	9.549
EPA SAMPLE NO.						
MW178I1-20250305DL	68963	5.54	135664	6.76	126161	10.05
MW179D-20250305DL	69879	5.54	136939	6.76	129865	10.05
VX0311WBL01	69956	5.54	139206	6.76	126312	10.06
VX0311WBS01	94786	5.54	172566	6.76	151770	10.06
VX0311WBSD01	92082	5.54	166231	6.76	148942	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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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1500 SAS No.: Q1500 SDG NO.: Q1500

Lab File ID: VX045211.D Date Analyzed: 03/11/2025

Instrument ID: MSVOA_X Time Analyzed: 09:59

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

	IS4 AREA #	RT #				
12 HOUR STD	70136	12.018				
UPPER LIMIT	140272	12.518				
LOWER LIMIT	35068	11.518				
EPA SAMPLE NO.						
MW178I1-20250305DL	51397	12.02				
MW179D-20250305DL	50835	12.02				
VX0311WBL01	50068	12.02				
VX0311WBS01	71836	12.02				
VX0311WBSD01	68861	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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SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/04/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	RE114D2-20250304	SDG No.:	Q1500
Lab Sample ID:	Q1500-01	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
VX045189.D	1		03/10/25 12:33	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.86	J	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.3		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.50	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.73	J	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	2.40		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	110		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX045189.D**

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/04/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	RE114D2-20250304	SDG No.:	Q1500
Lab Sample ID:	Q1500-01	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
VX045189.D	1		03/10/25 12:33	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.7		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.4		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	76100	5.544				
540-36-3	1,4-Difluorobenzene	151000	6.757				
3114-55-4	Chlorobenzene-d5	138000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	57600	12.018				

Raw Data: **VX045189.D**

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Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/04/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	RE114D2-20250304	SDG No.:	Q1500
Lab Sample ID:	Q1500-01	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
VX045189.D	1		03/10/25 12:33	VX031025

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\VX031025\
Data File : VX045189.D
Acq On : 10 Mar 2025 12:33
Operator : JC/MD
Sample : Q1500-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

Quant Time: Mar 11 03:53:27 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

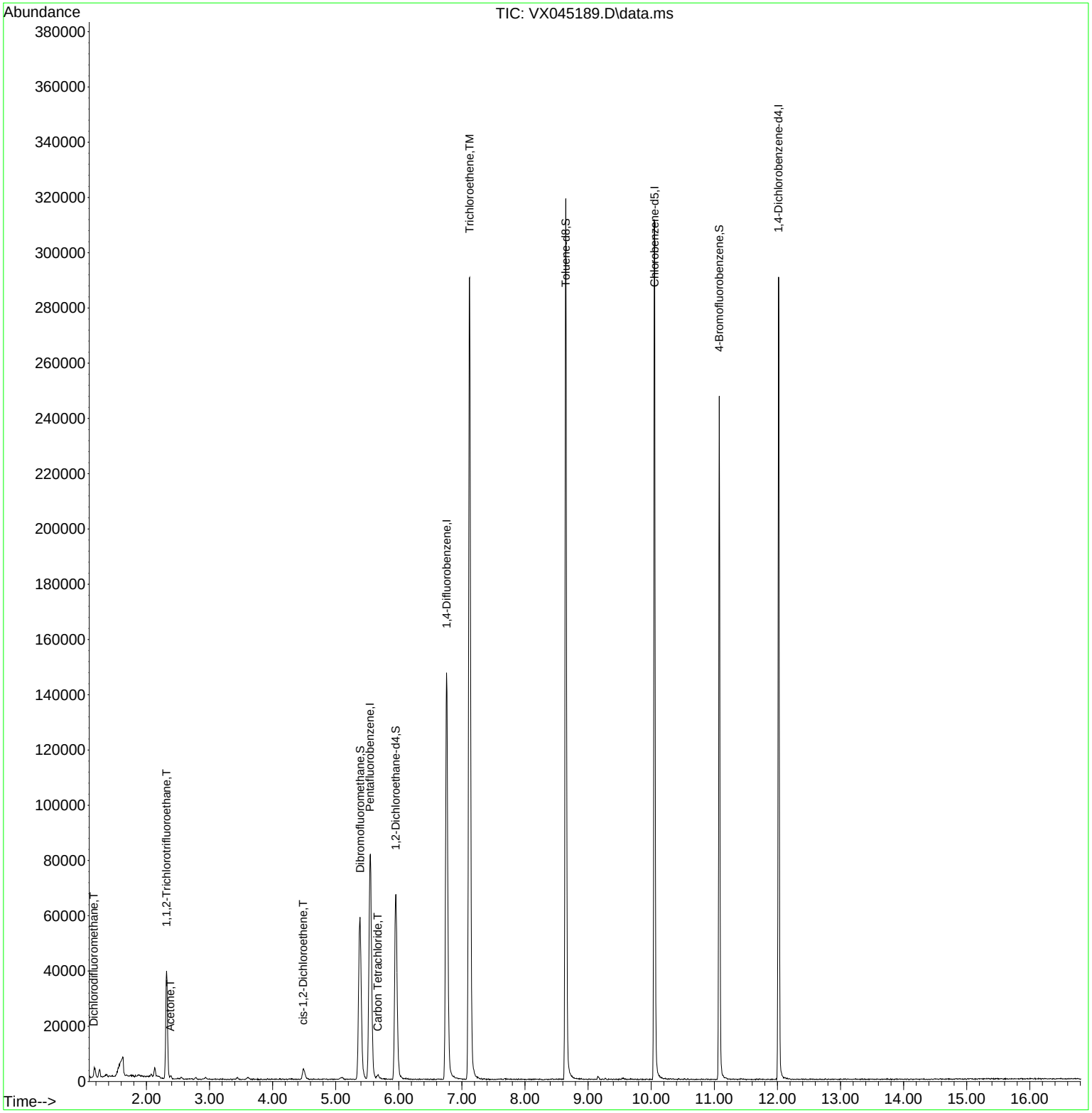
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	76078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	151155	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	138329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65001	53.714	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.420%			
35) Dibromofluoromethane	5.385	113	51885	51.334	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.660%			
50) Toluene-d8	8.647	98	188382	51.411	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.820%			
62) 4-Bromofluorobenzene	11.079	95	63599	52.378	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	821	0.857	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	15311	17.316	ug/l	99
16) Acetone	2.380	43	832	1.482	ug/l	94
27) cis-1,2-Dichloroethene	4.483	96	2700	2.368	ug/l	90
38) Carbon Tetrachloride	5.666	117	1023	0.727	ug/l	89
44) Trichloroethene	7.123	130	110033	107.060	ug/l	98

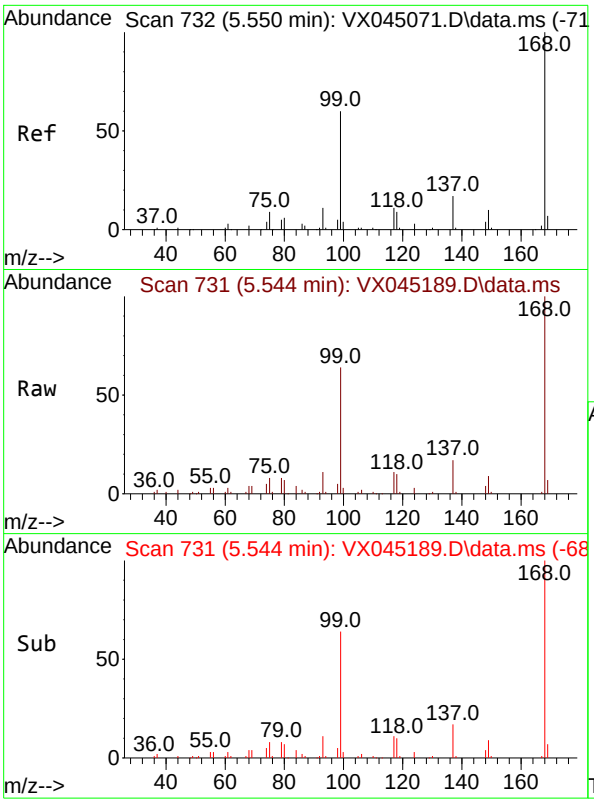
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045189.D
Acq On : 10 Mar 2025 12:33
Operator : JC/MD
Sample : Q1500-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

Quant Time: Mar 11 03:53:27 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



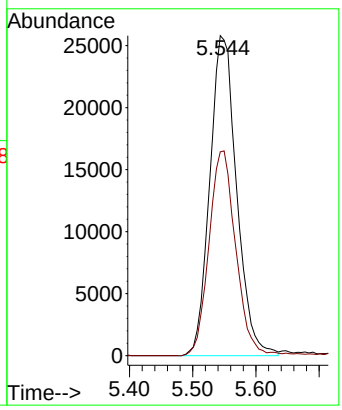


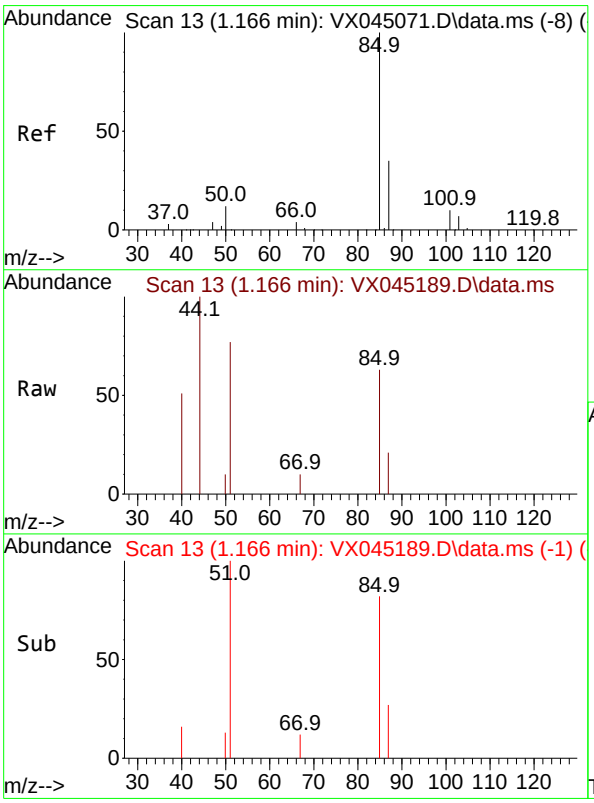
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

Tgt Ion:168 Resp: 76078

Ion	Ratio	Lower	Upper
168	100		
99	63.7	48.2	72.4

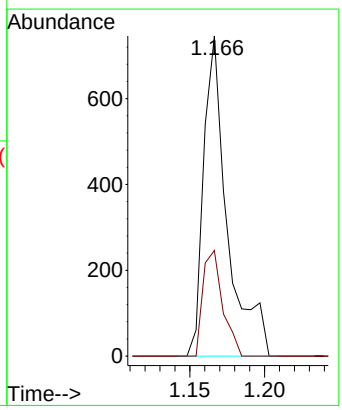


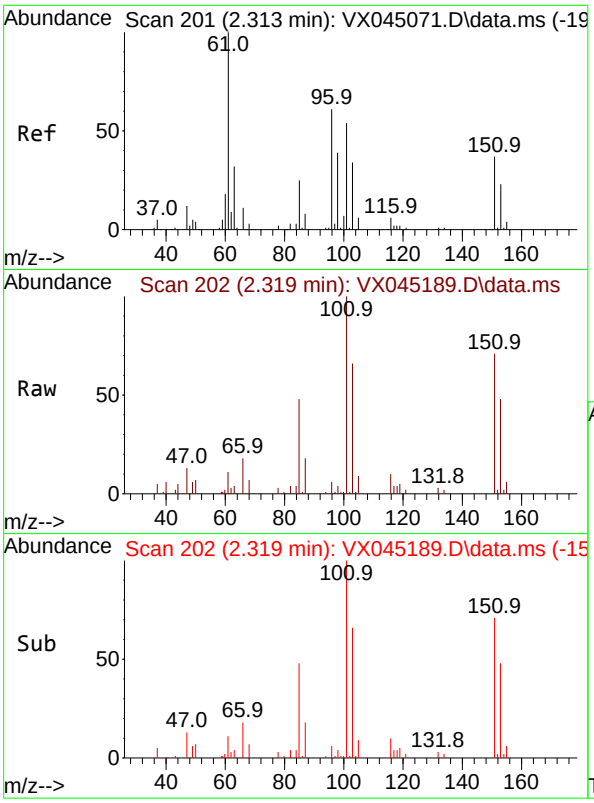


#2
Dichlorodifluoromethane
Concen: 0.857 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion: 85 Resp: 821

Ion	Ratio	Lower	Upper
85	100		
87	33.0	17.4	52.3



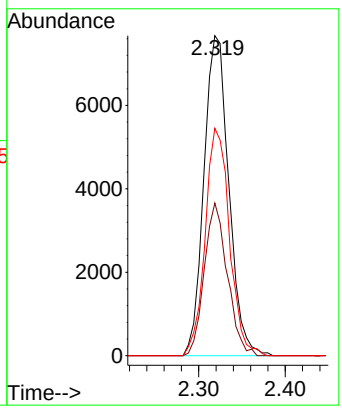


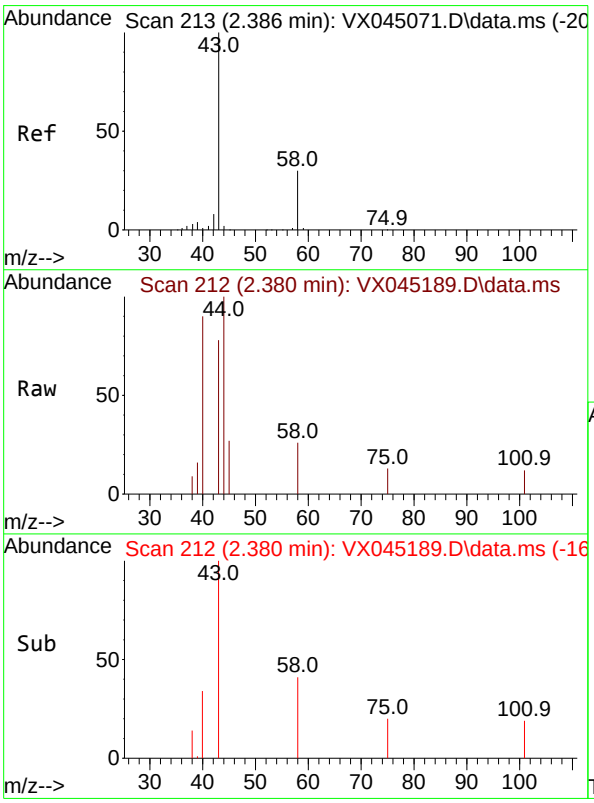
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.316 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

Tgt Ion:101 Resp: 15311

Ion	Ratio	Lower	Upper
101	100		
85	44.2	36.2	54.4
151	69.6	56.4	84.6

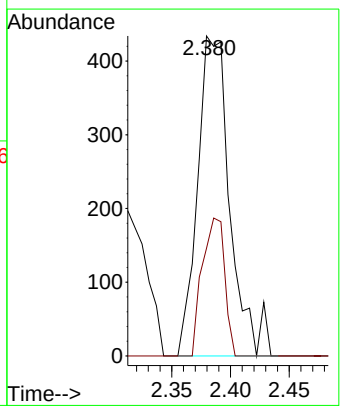


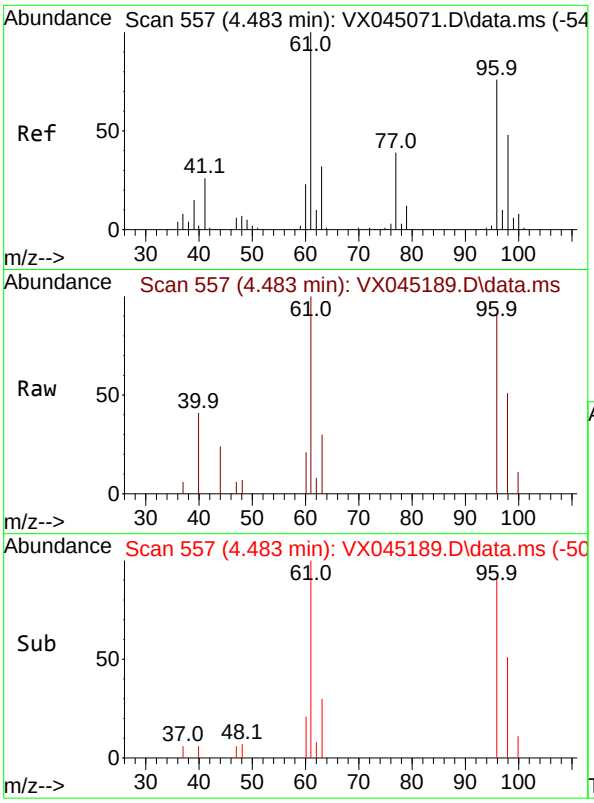


#16
Acetone
Concen: 1.482 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion: 43 Resp: 832

Ion	Ratio	Lower	Upper
43	100		
58	33.6	24.2	36.4



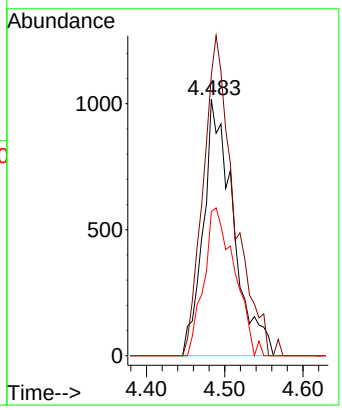


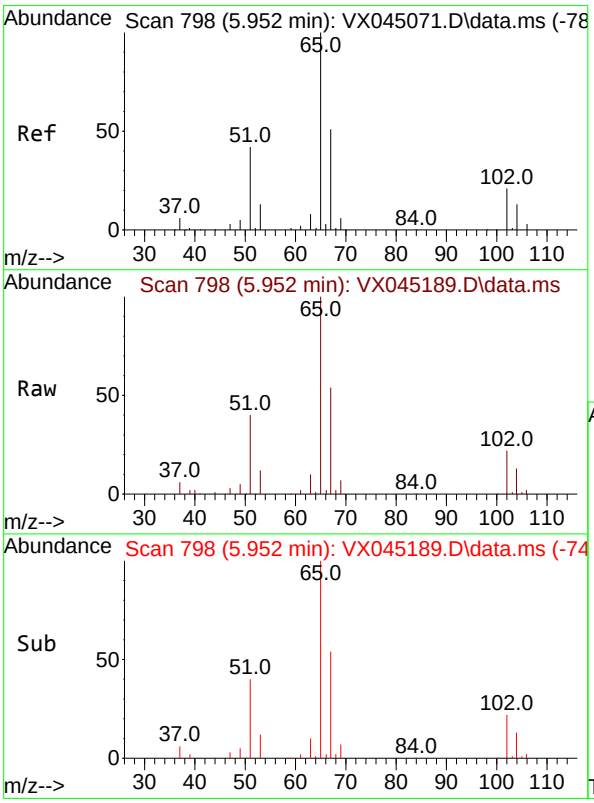
#27
cis-1,2-Dichloroethene
Concen: 2.368 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

Tgt Ion: 96 Resp: 2700

Ion	Ratio	Lower	Upper
96	100		
61	127.7	0.0	283.2
98	59.0	0.0	128.0

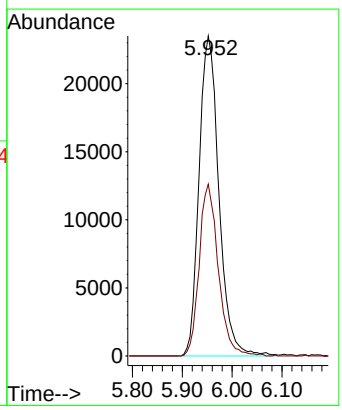


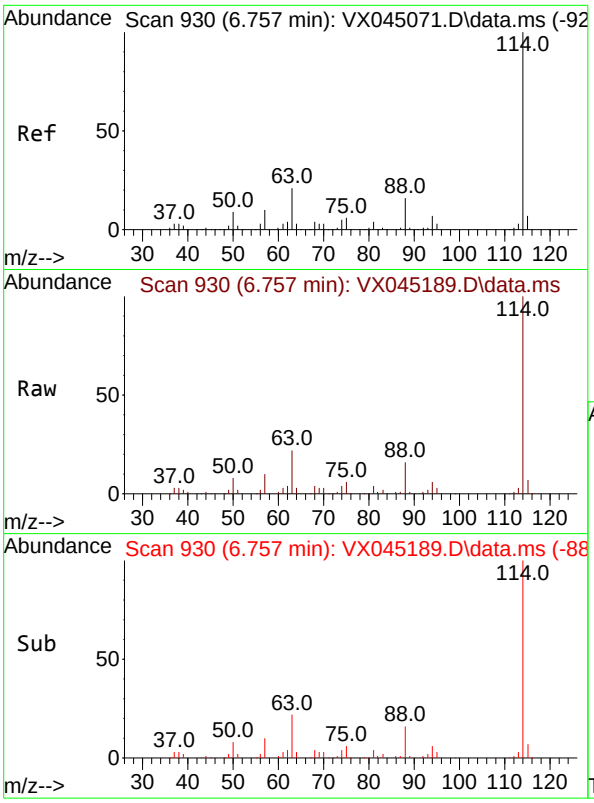


#33
1,2-Dichloroethane-d4
Concen: 53.714 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion: 65 Resp: 65001

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.2



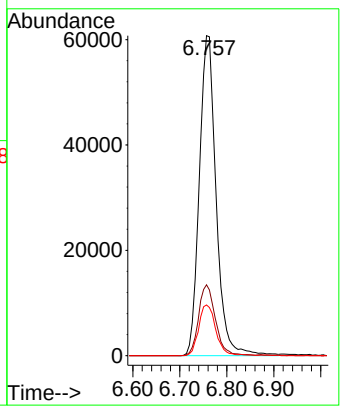


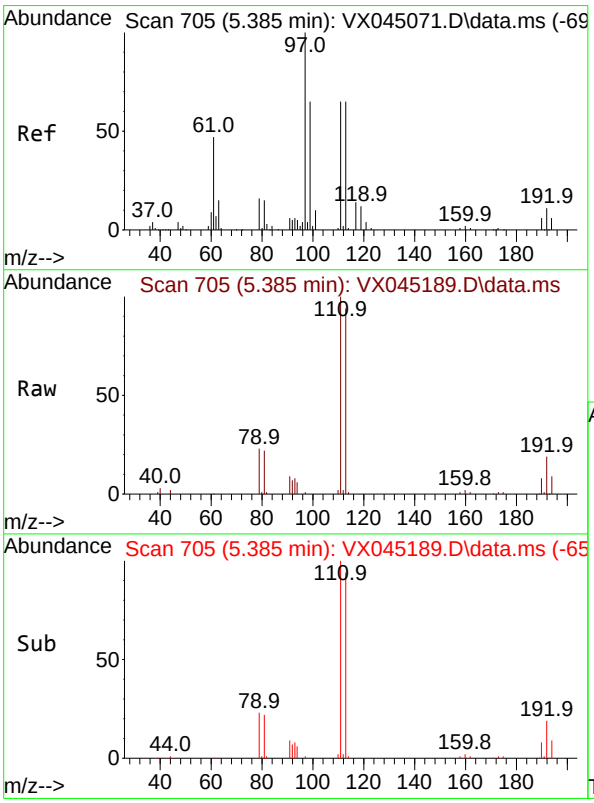
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

Tgt Ion:114 Resp: 151155

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

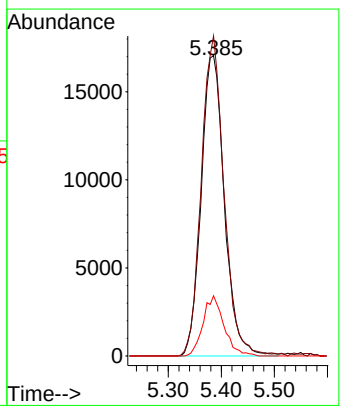


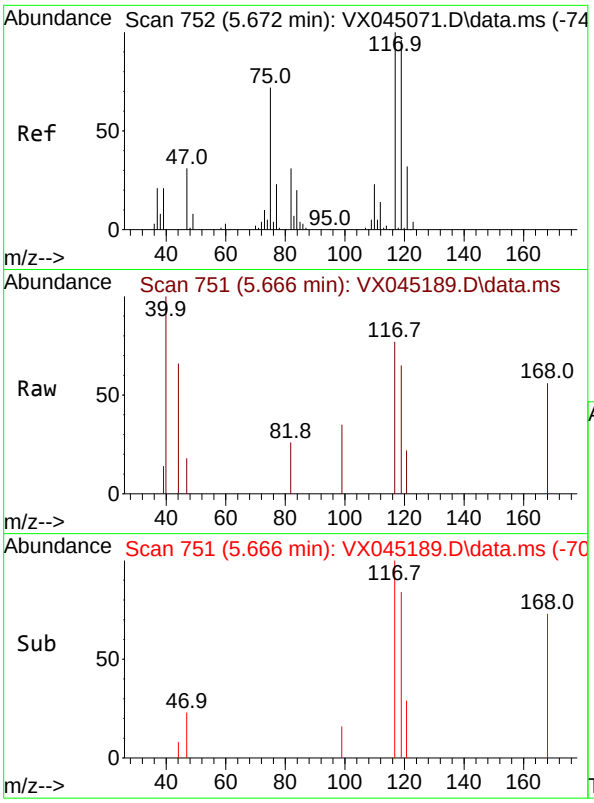


#35
Dibromofluoromethane
Concen: 51.334 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion:113 Resp: 51885

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.6
192	18.1	14.3	21.5



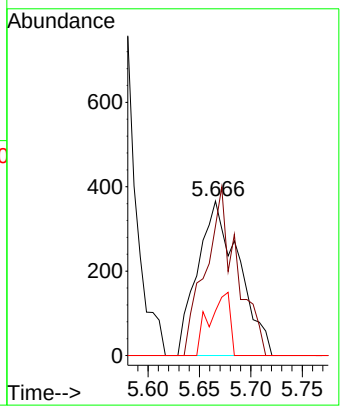


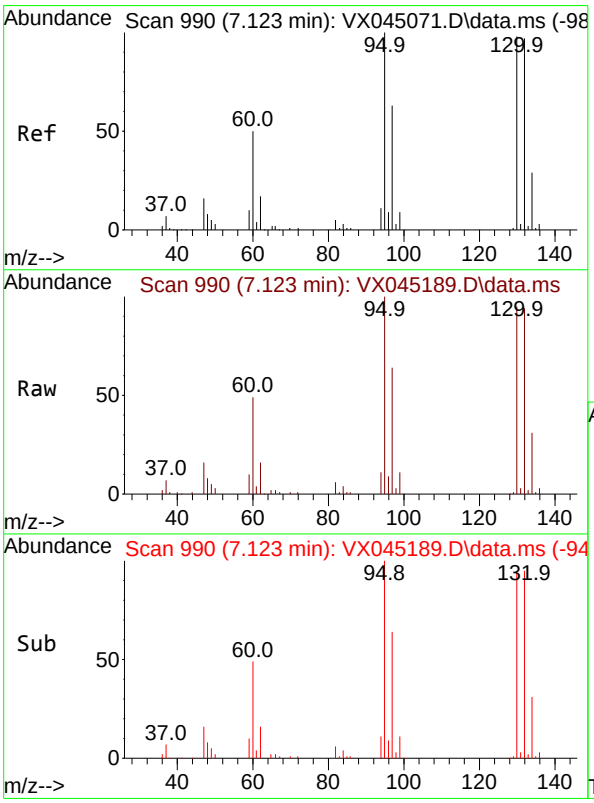
#38
Carbon Tetrachloride
Concen: 0.727 ug/l
RT: 5.666 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

Tgt Ion:117 Resp: 1023

Ion	Ratio	Lower	Upper
117	100		
119	83.9	76.7	115.1
121	29.0	25.5	38.3

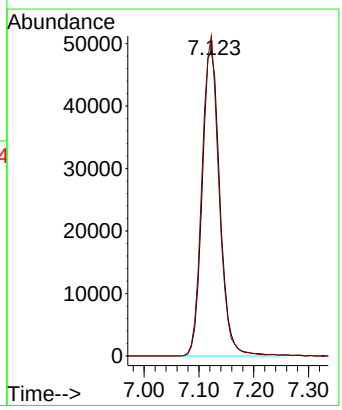


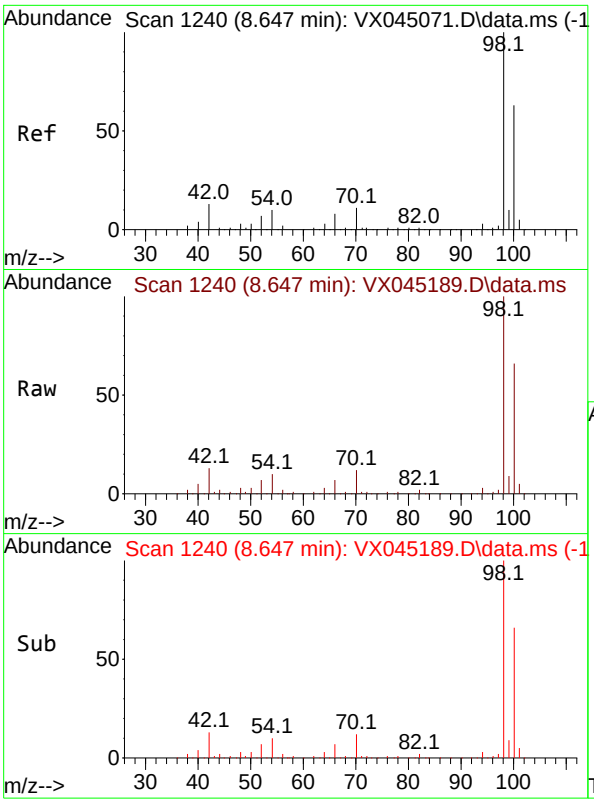


#44
Trichloroethene
Concen: 107.060 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion:130 Resp: 110033

Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	205.0



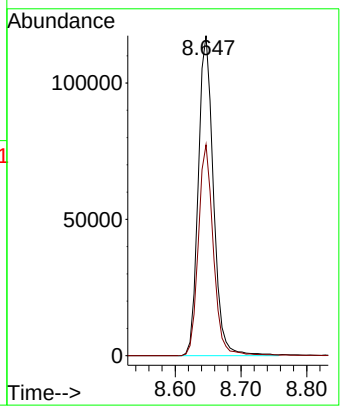


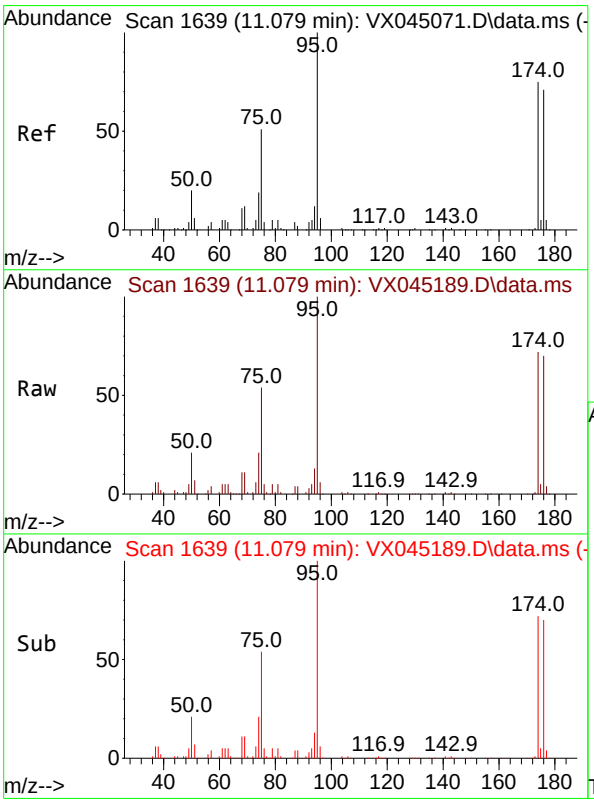
#50
Toluene-d8
Concen: 51.411 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

Tgt Ion: 98 Resp: 188382

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.0	78.0

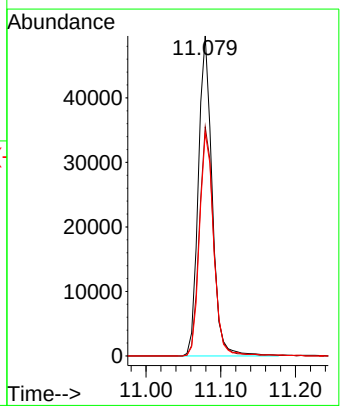


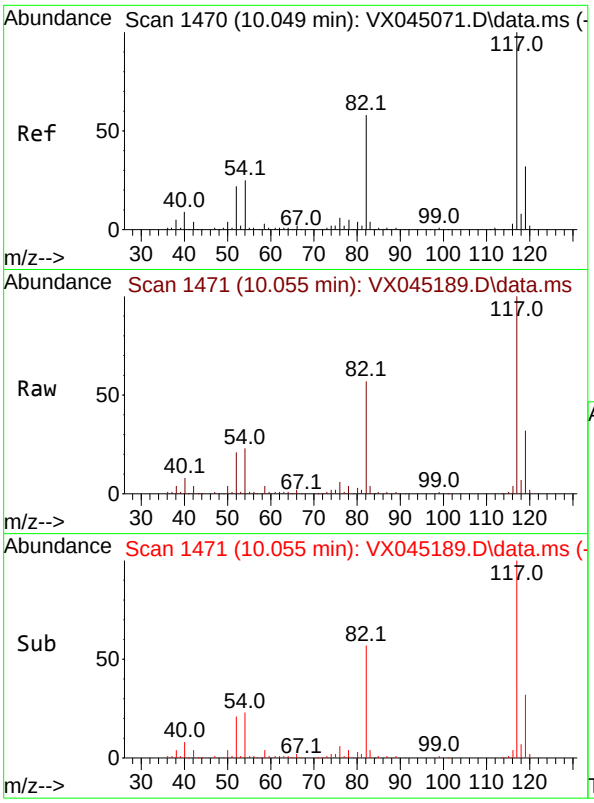


#62
4-Bromofluorobenzene
Concen: 52.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion: 95 Resp: 63599

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	148.2
176	71.4	0.0	141.4



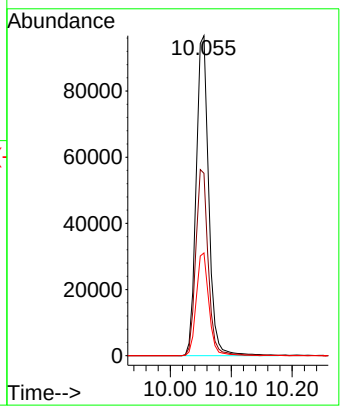


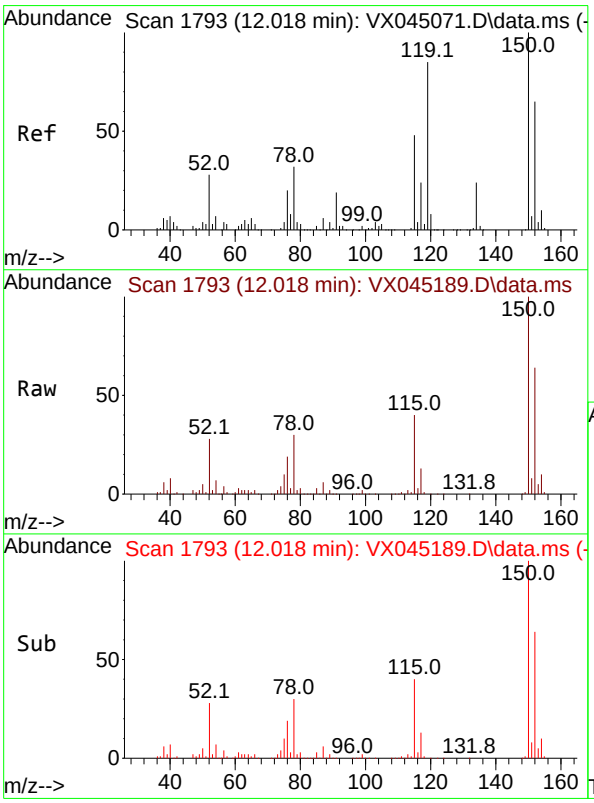
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Instrument :
MSVOA_X
ClientSampleId :
RE114D2-20250304

Tgt Ion:117 Resp: 138329

Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.3	69.5
119	32.1	25.7	38.5

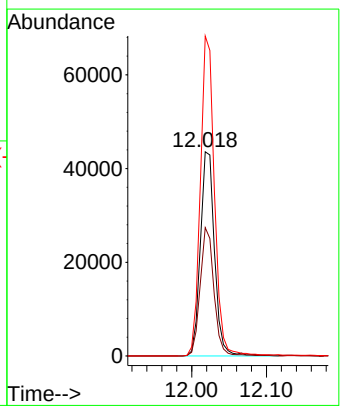




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045189.D
Acq: 10 Mar 2025 12:33

Tgt Ion:152 Resp: 57557

Ion	Ratio	Lower	Upper
152	100		
115	61.2	44.2	132.6
150	156.1	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:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW178S-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-02	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
VX045190.D	1		03/10/25 12:57	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.80	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.00		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	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	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.53	J	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX045190.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW178S-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-02	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
VX045190.D	1		03/10/25 12:57	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.37	J	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.3		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.2		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	75900	5.55				
540-36-3	1,4-Difluorobenzene	151000	6.757				
3114-55-4	Chlorobenzene-d5	139000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	57600	12.018				

Raw Data: **VX045190.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW178S-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-02	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
VX045190.D	1		03/10/25 12:57	VX031025

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\VX031025\
Data File : VX045190.D
Acq On : 10 Mar 2025 12:57
Operator : JC/MD
Sample : Q1500-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250305

Quant Time: Mar 11 03:54:04 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

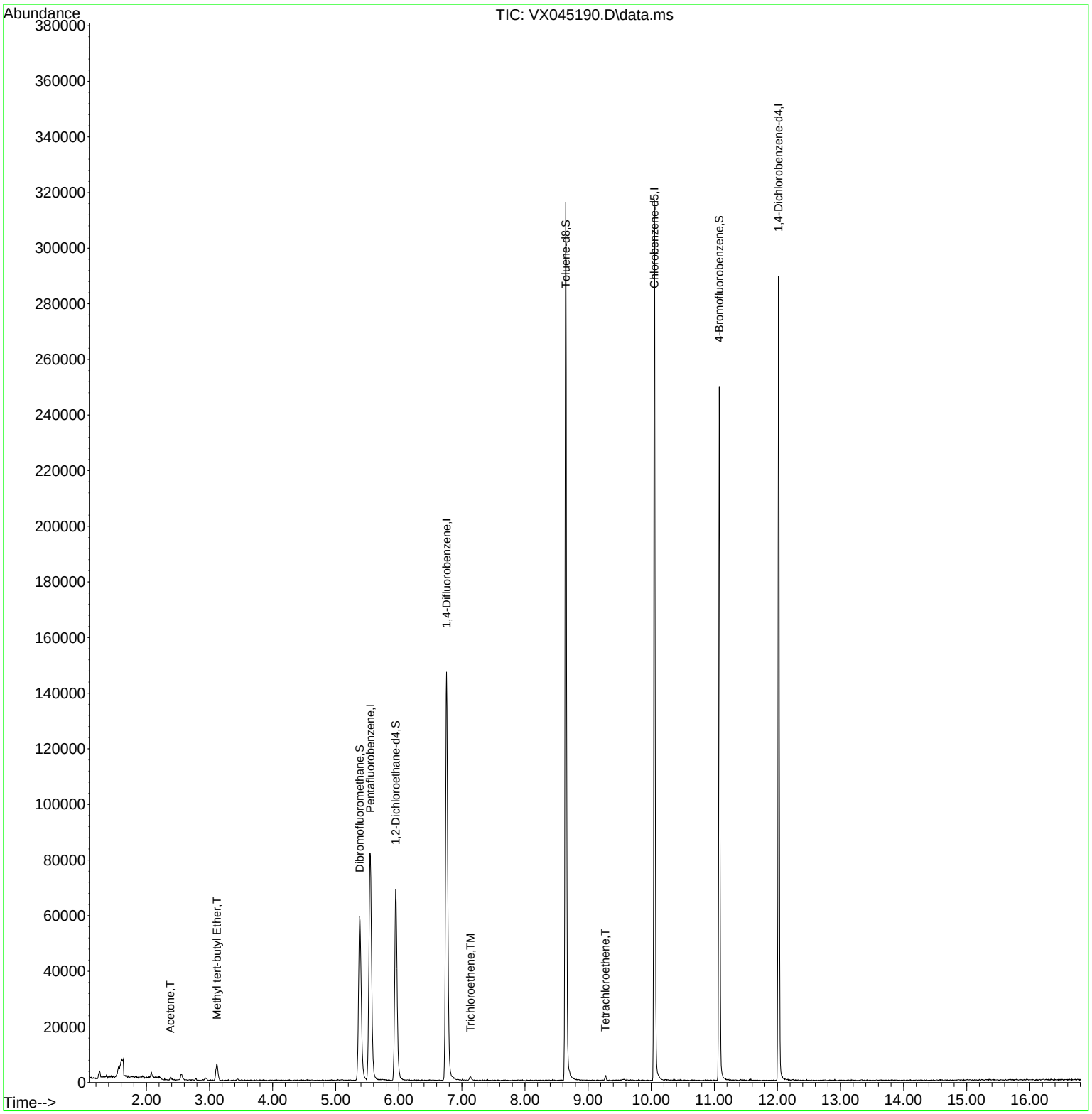
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	75866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150795	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63142	52.324	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.640%			
35) Dibromofluoromethane	5.379	113	51853	51.425	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.840%			
50) Toluene-d8	8.647	98	187213	51.214	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.420%			
62) 4-Bromofluorobenzene	11.079	95	63985	52.822	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.640%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1033	1.845	ug/l #	84
19) Methyl tert-butyl Ether	3.117	73	6392	2.044	ug/l	93
44) Trichloroethene	7.135	130	540	0.527	ug/l	81
64) Tetrachloroethene	9.275	164	334	0.374	ug/l #	76

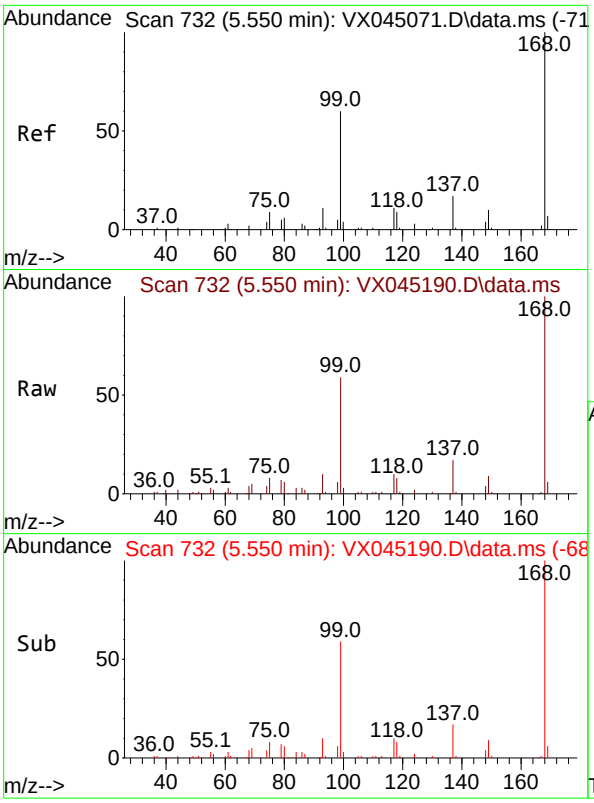
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045190.D
Acq On : 10 Mar 2025 12:57
Operator : JC/MD
Sample : Q1500-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250305

Quant Time: Mar 11 03:54:04 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



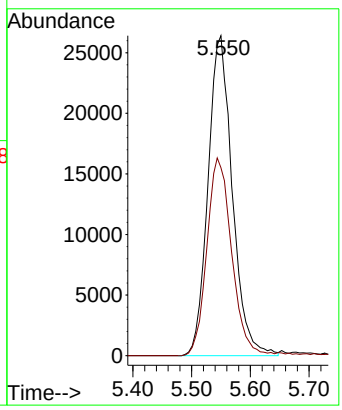


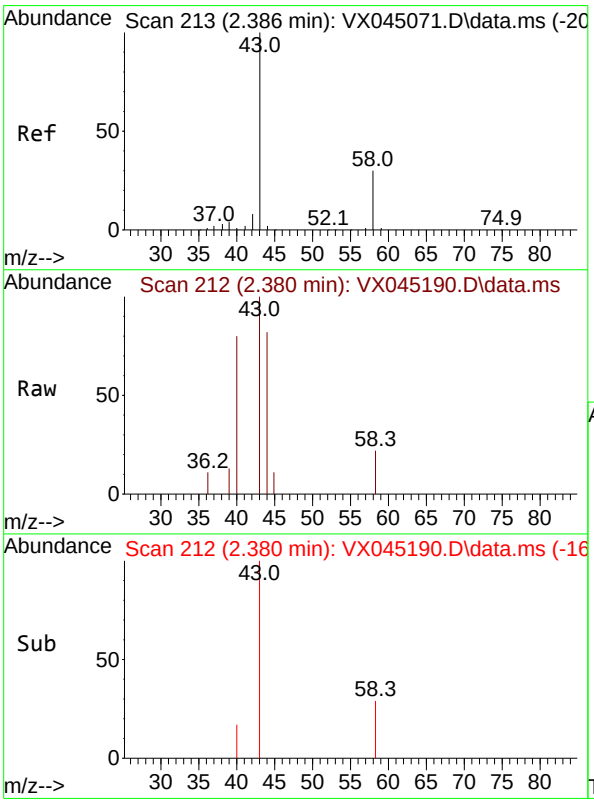
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045190.D
Acq: 10 Mar 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250305

Tgt Ion:168 Resp: 75866

Ion	Ratio	Lower	Upper
168	100		
99	58.8	48.2	72.4

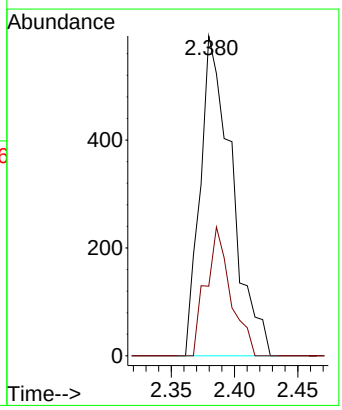


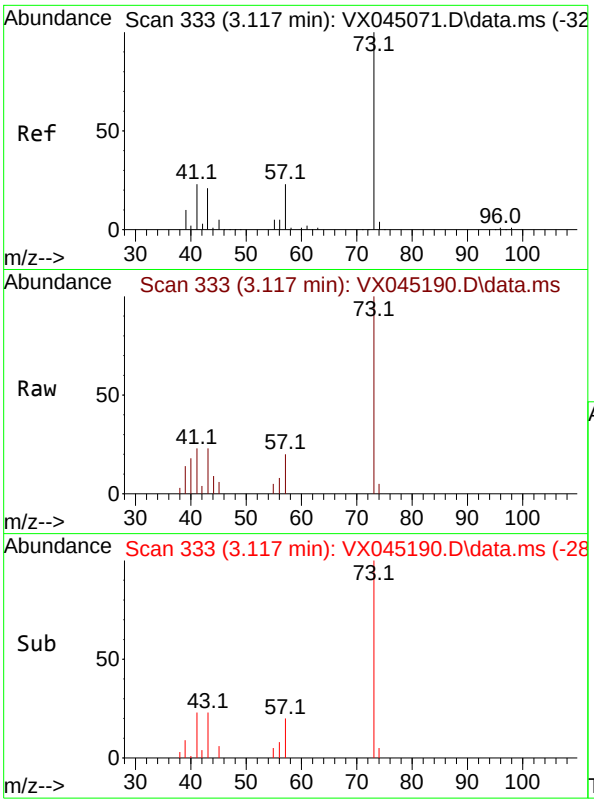


#16
Acetone
Concen: 1.845 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045190.D
Acq: 10 Mar 2025 12:57

Tgt Ion: 43 Resp: 1033

Ion	Ratio	Lower	Upper
43	100		
58	21.8	24.2	36.4#



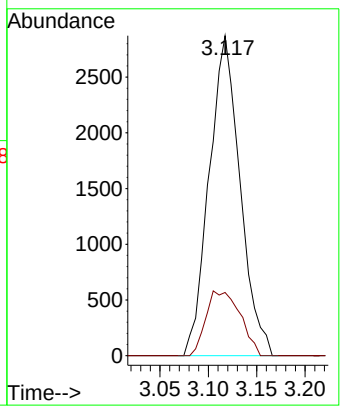


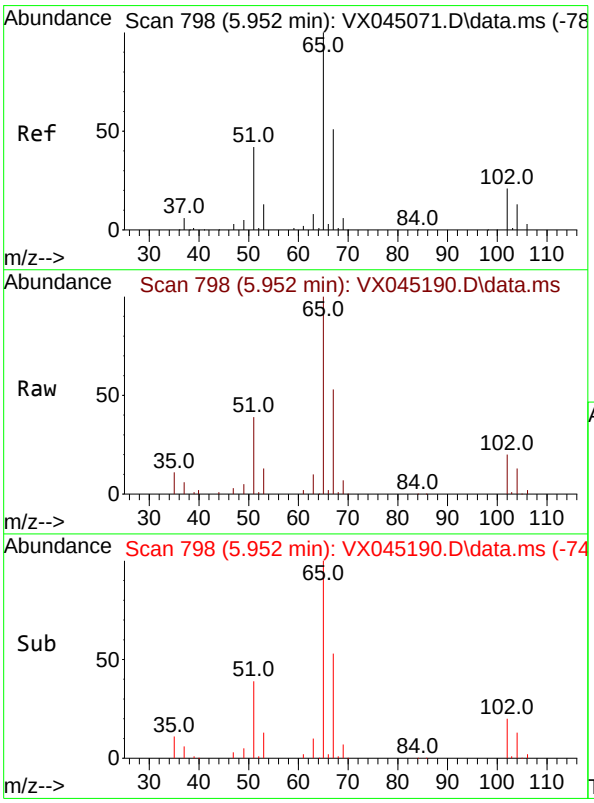
#19
Methyl tert-butyl Ether
Concen: 2.044 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045190.D
Acq: 10 Mar 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250305

Tgt Ion: 73 Resp: 6392

Ion	Ratio	Lower	Upper
73	100		
57	19.8	18.5	27.7

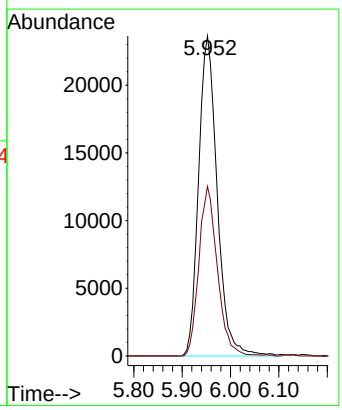


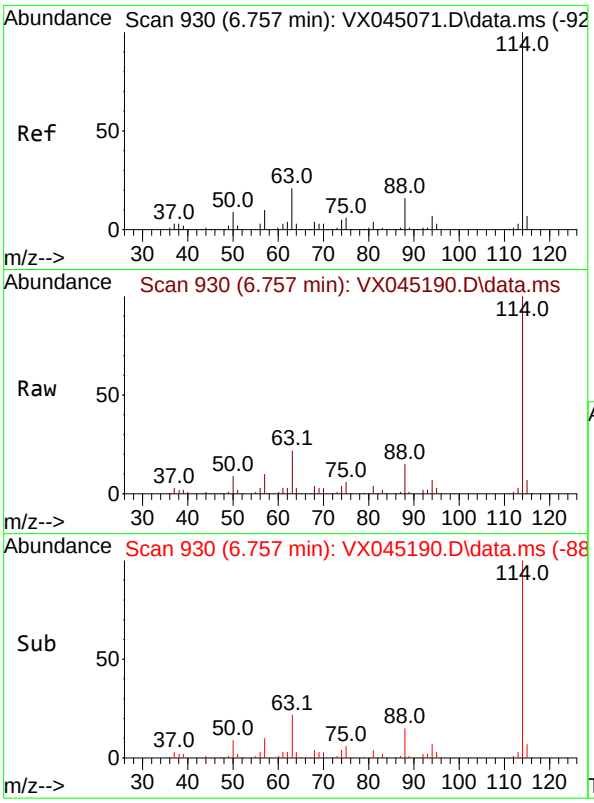


#33
1,2-Dichloroethane-d4
Concen: 52.324 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045190.D
Acq: 10 Mar 2025 12:57

Tgt Ion: 65 Resp: 63142

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	106.2



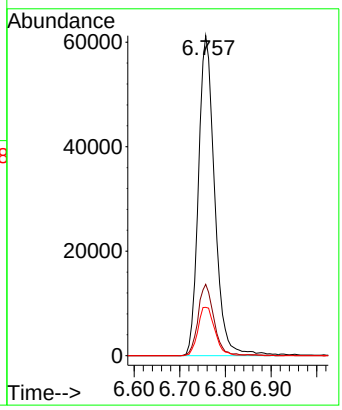


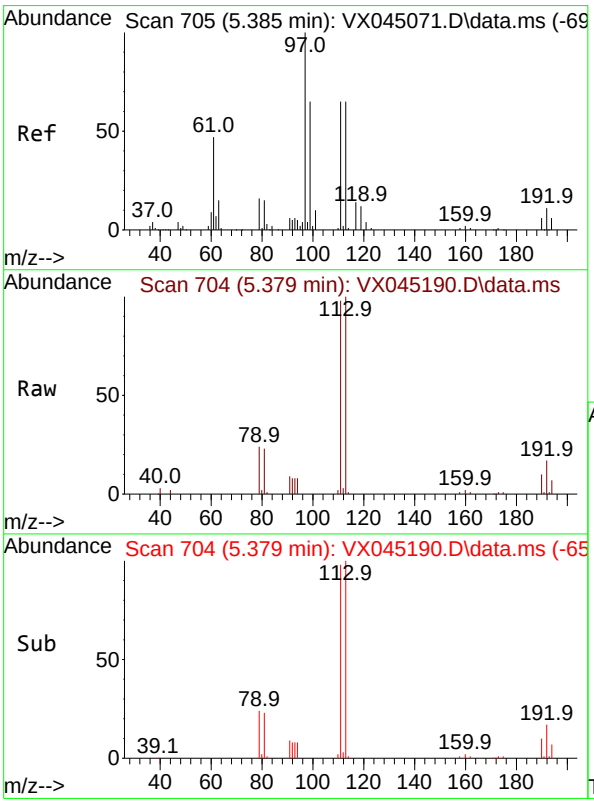
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045190.D
Acq: 10 Mar 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250305

Tgt Ion:114 Resp: 150795

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	41.8
88	15.1	0.0	32.8

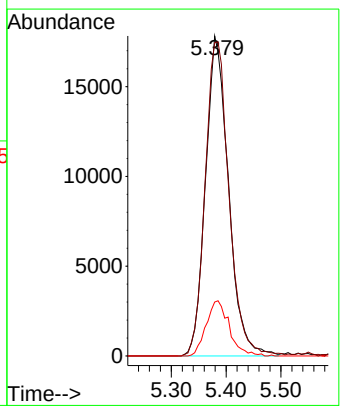


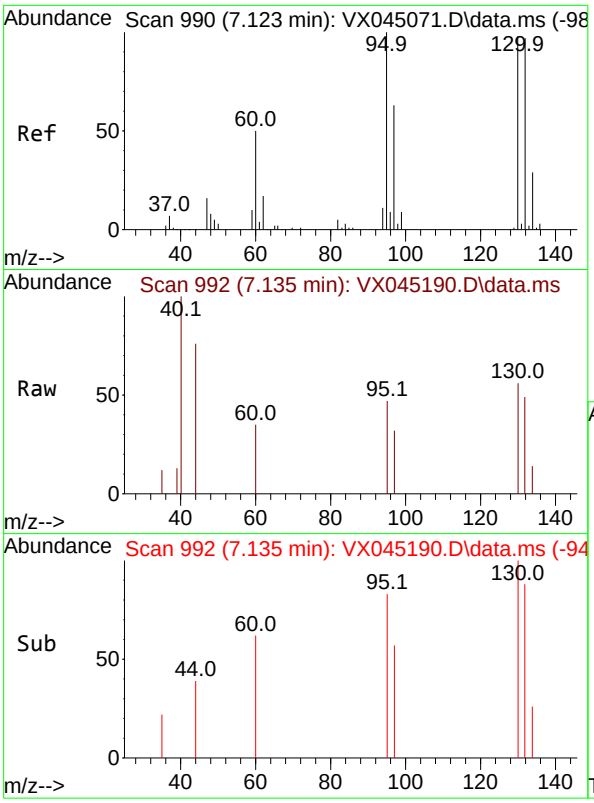


#35
Dibromofluoromethane
Concen: 51.425 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045190.D
Acq: 10 Mar 2025 12:57

Tgt Ion:113 Resp: 51853

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.8	122.6
192	17.3	14.3	21.5



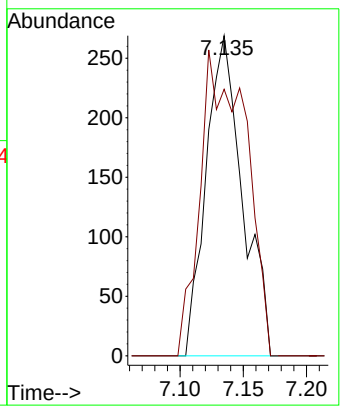


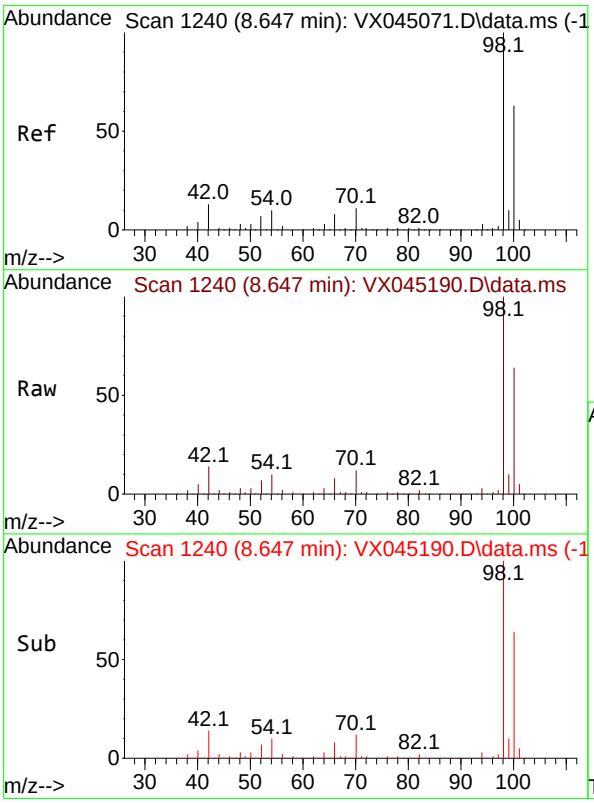
#44
Trichloroethene
Concen: 0.527 ug/l
RT: 7.135 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX045190.D
Acq: 10 Mar 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250305

Tgt Ion:130 Resp: 540

Ion	Ratio	Lower	Upper
130	100		
95	83.3	0.0	205.0

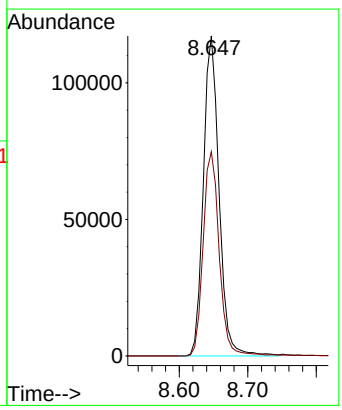


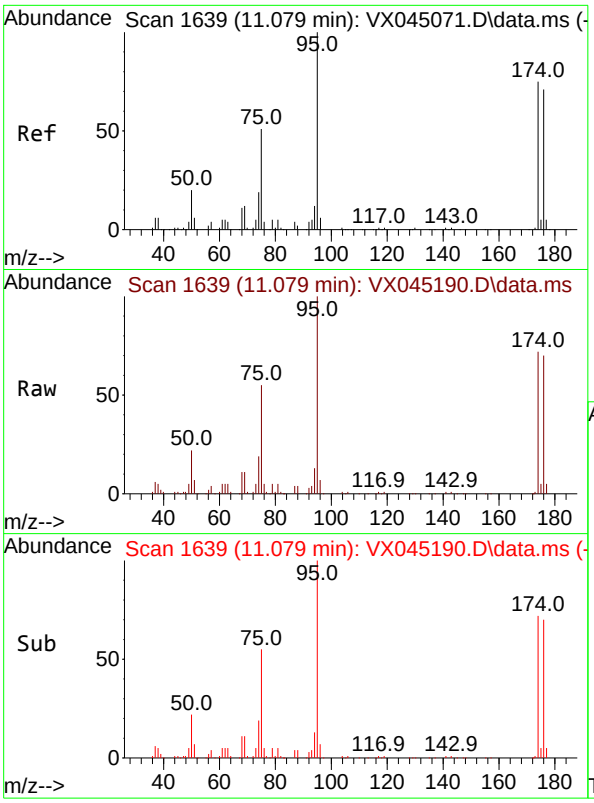


#50
Toluene-d8
Concen: 51.214 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045190.D
Acq: 10 Mar 2025 12:57

Tgt Ion: 98 Resp: 187213

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0



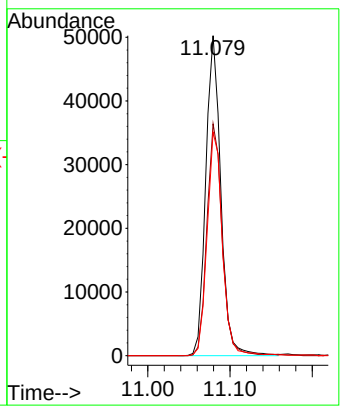


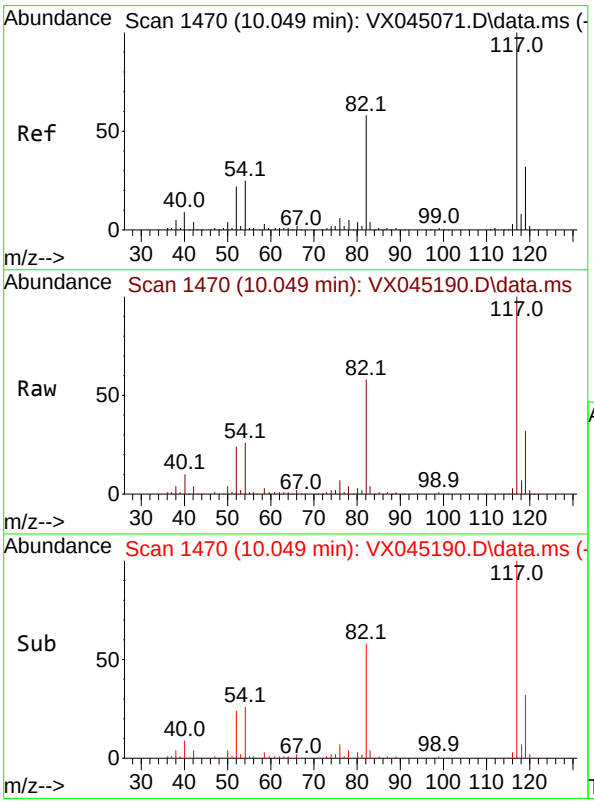
#62
4-Bromofluorobenzene
Concen: 52.822 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045190.D
Acq: 10 Mar 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250305

Tgt Ion: 95 Resp: 63985

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	148.2
176	70.9	0.0	141.4

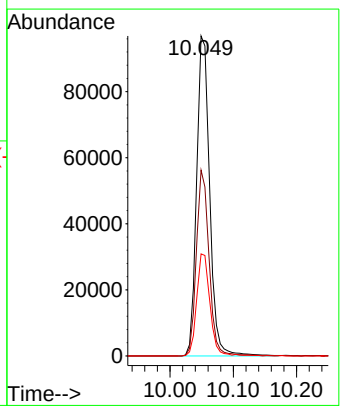


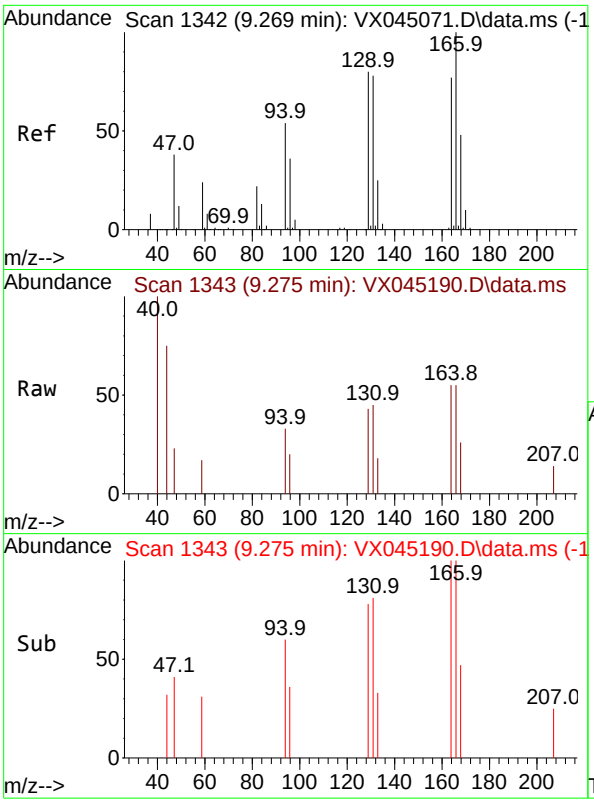


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045190.D
Acq: 10 Mar 2025 12:57

Tgt Ion:117 Resp: 139303

Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.3	69.5
119	31.9	25.7	38.5



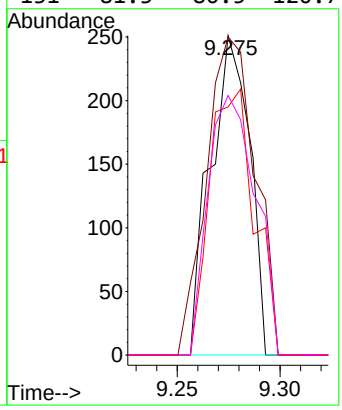


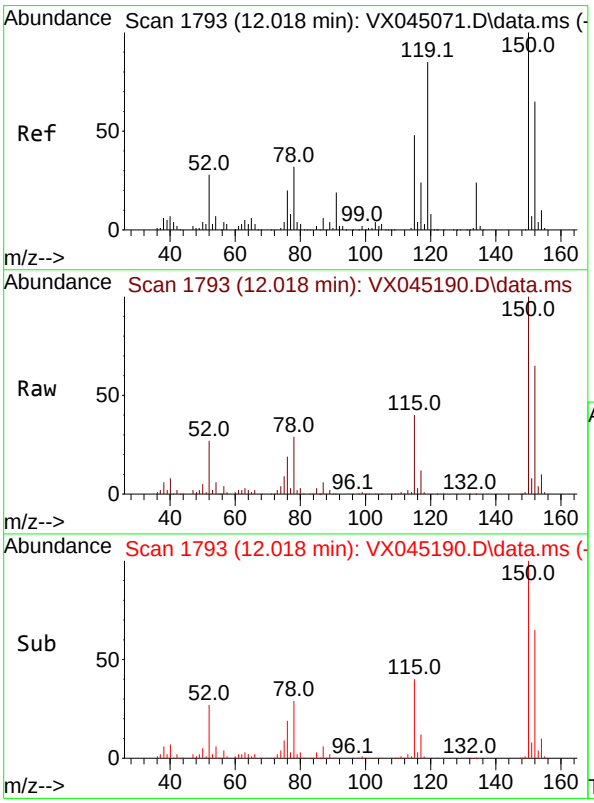
#64
Tetrachloroethene
Concen: 0.374 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045190.D
Acq: 10 Mar 2025 12:57

Instrument :
MSVOA_X
ClientSampleId :
MW178S-20250305

Tgt Ion:164 Resp: 334

Ion	Ratio	Lower	Upper
164	100		
166	99.6	103.6	155.4#
129	77.7	82.7	124.1#
131	81.3	80.5	120.7

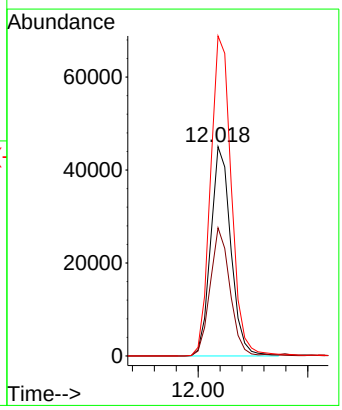




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045190.D
Acq: 10 Mar 2025 12:57

Tgt Ion:152 Resp: 57584

Ion	Ratio	Lower	Upper
152	100		
115	60.5	44.2	132.6
150	158.4	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:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW178I-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-03	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
VX045191.D	1		03/10/25 13:20	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	2.00	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	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	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.91	J	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	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:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW178I-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-03	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
VX045191.D	1		03/10/25 13:20	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.44	J	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.3		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	52.4		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	73300	5.55				
540-36-3	1,4-Difluorobenzene	144000	6.757				
3114-55-4	Chlorobenzene-d5	135000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	57100	12.018				

Raw Data: **VX045191.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW178I-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-03	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
VX045191.D	1		03/10/25 13:20	VX031025

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\VX031025\
Data File : VX045191.D
Acq On : 10 Mar 2025 13:20
Operator : JC/MD
Sample : Q1500-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250305

Quant Time: Mar 11 03:54:35 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	5.550	168	73273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144084	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60998	52.336	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.680%			
35) Dibromofluoromethane	5.379	113	50130	52.032	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.060%			
50) Toluene-d8	8.647	98	182875	52.357	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.720%			
62) 4-Bromofluorobenzene	11.079	95	61971	53.542	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.080%			
Target Compounds						Qvalue
16) Acetone	2.386	43	1063	1.966	ug/l #	81
19) Methyl tert-butyl Ether	3.117	73	3145	1.041	ug/l	99
44) Trichloroethene	7.129	130	894	0.913	ug/l	77
64) Tetrachloroethene	9.268	164	382	0.443	ug/l #	74

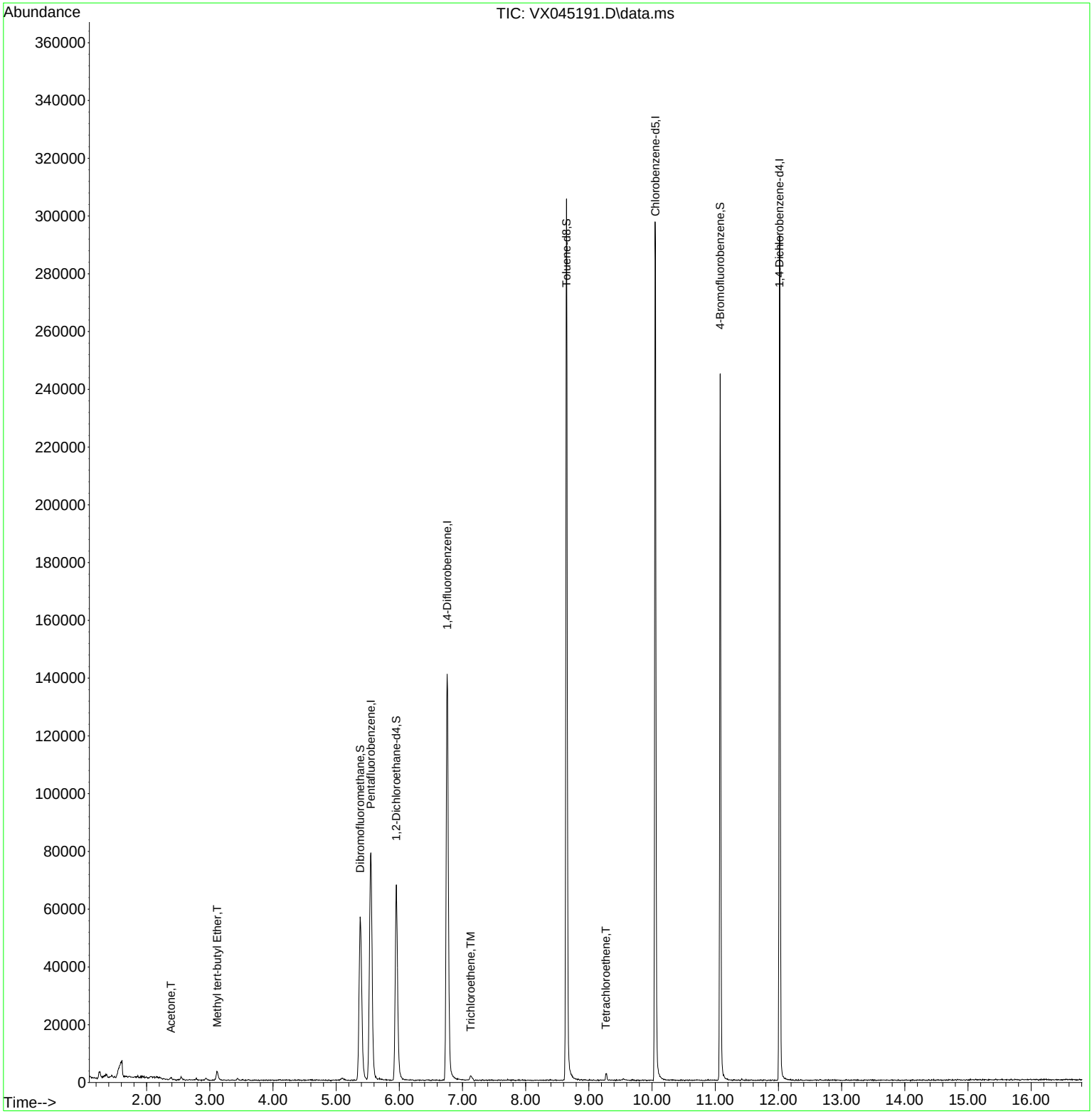
(#) = qualifier out of range (m) = manual integration (+) = signals summed

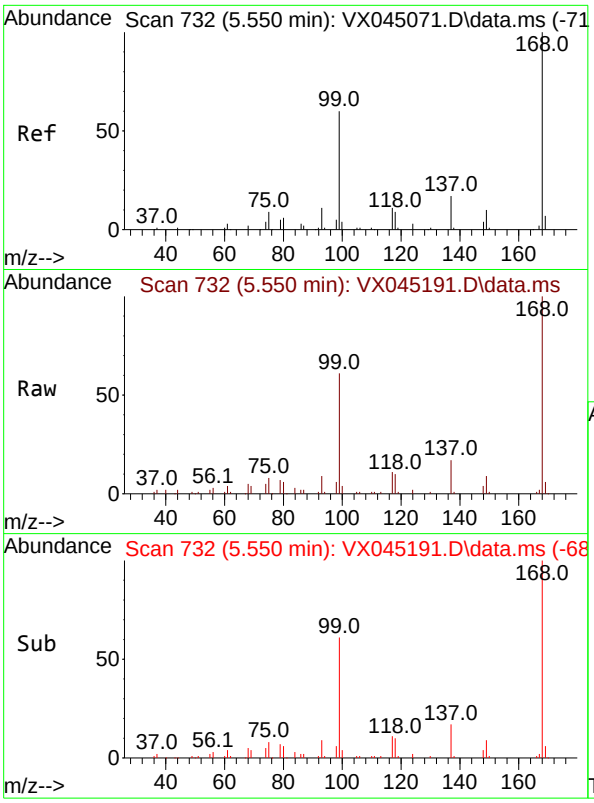
Sample Results: **VX045191.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045191.D
Acq On : 10 Mar 2025 13:20
Operator : JC/MD
Sample : Q1500-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250305

Quant Time: Mar 11 03:54:35 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



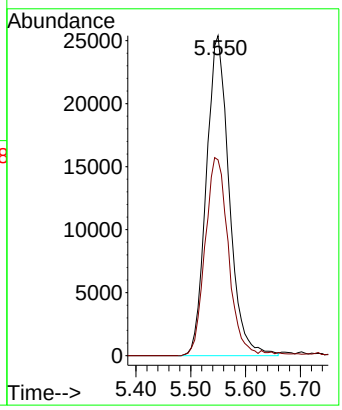


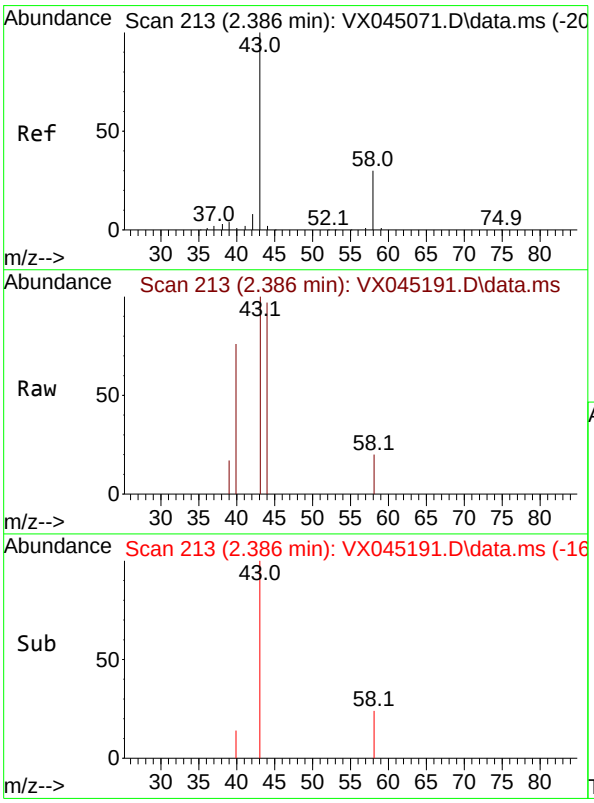
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045191.D
Acq: 10 Mar 2025 13:20

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250305

Tgt Ion:168 Resp: 73273

Ion	Ratio	Lower	Upper
168	100		
99	61.2	48.2	72.4

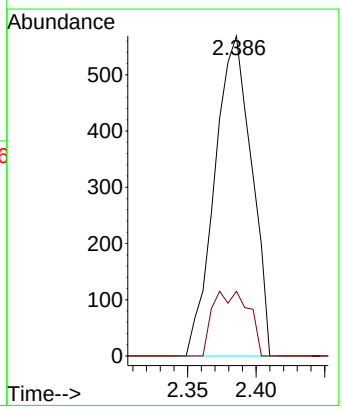


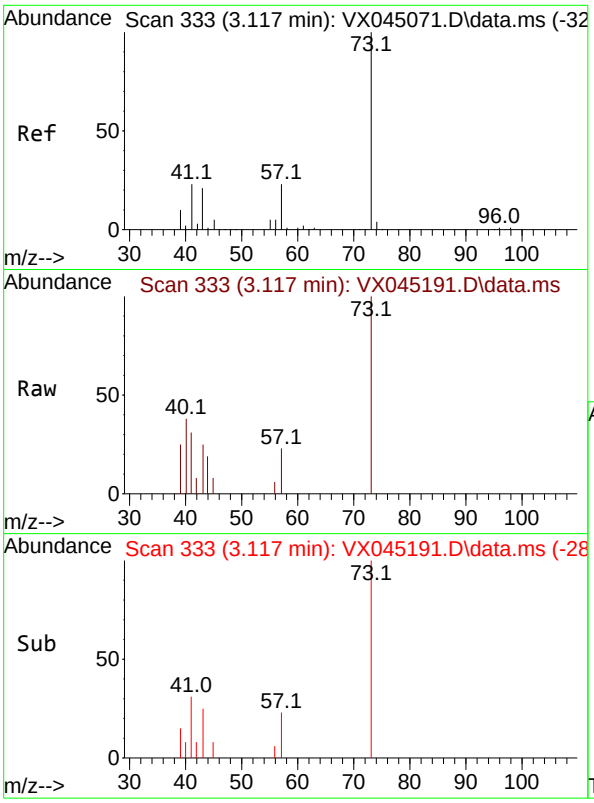


#16
Acetone
Concen: 1.966 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045191.D
Acq: 10 Mar 2025 13:20

Tgt Ion: 43 Resp: 1063

Ion	Ratio	Lower	Upper
43	100		
58	20.2	24.2	36.4#



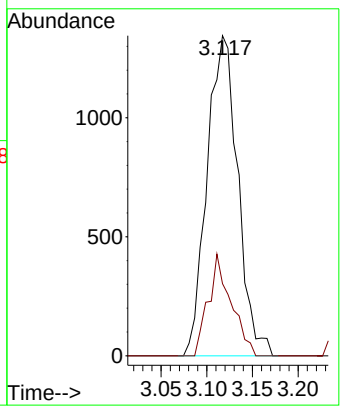


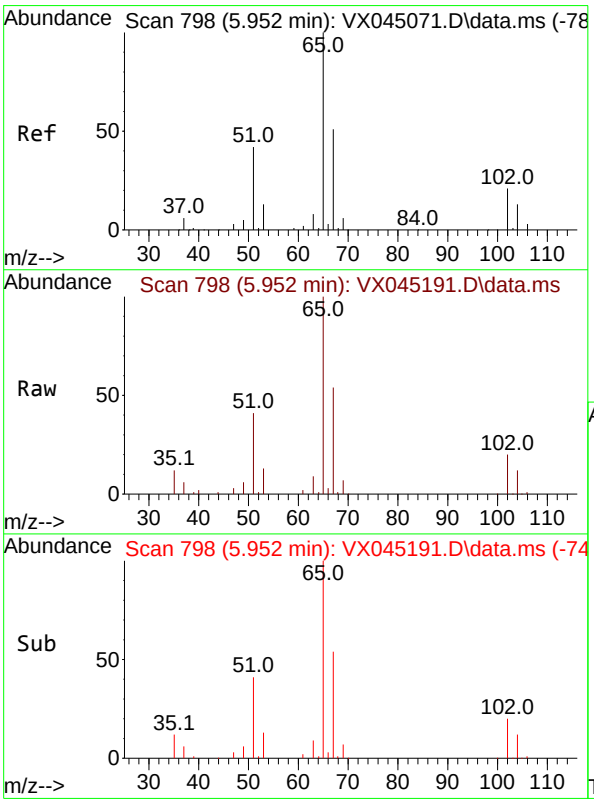
#19
Methyl tert-butyl Ether
Concen: 1.041 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045191.D
Acq: 10 Mar 2025 13:20

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250305

Tgt Ion: 73 Resp: 3145

Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.5	27.7

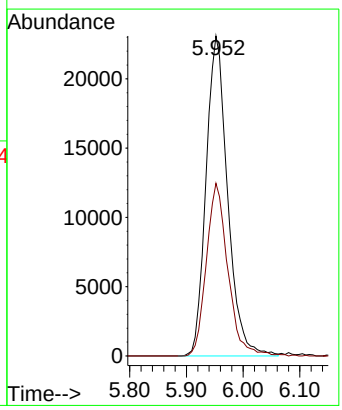


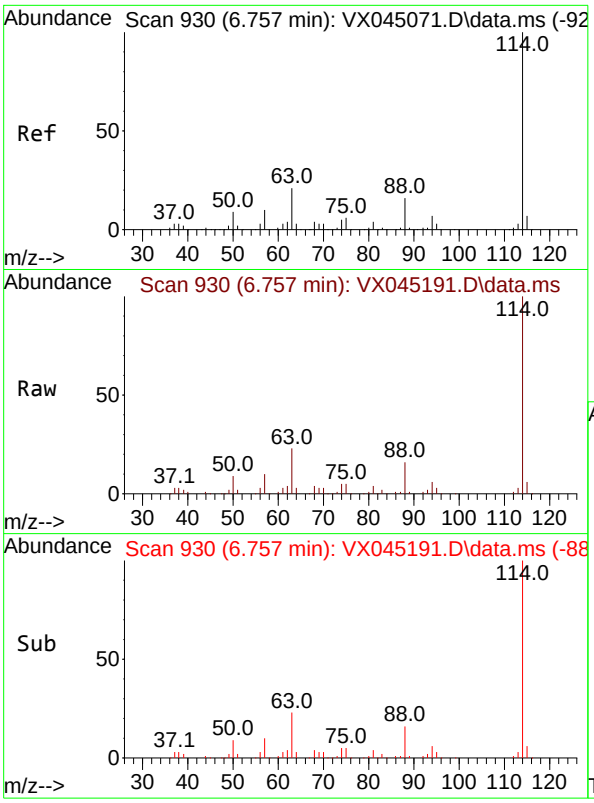


#33
1,2-Dichloroethane-d4
Concen: 52.336 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045191.D
Acq: 10 Mar 2025 13:20

Tgt Ion: 65 Resp: 60998

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	106.2



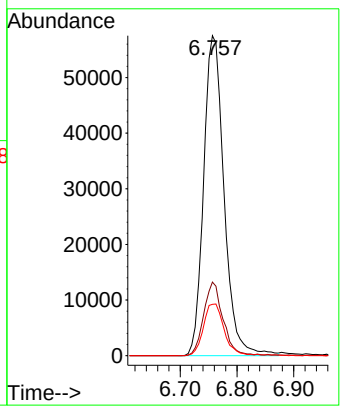


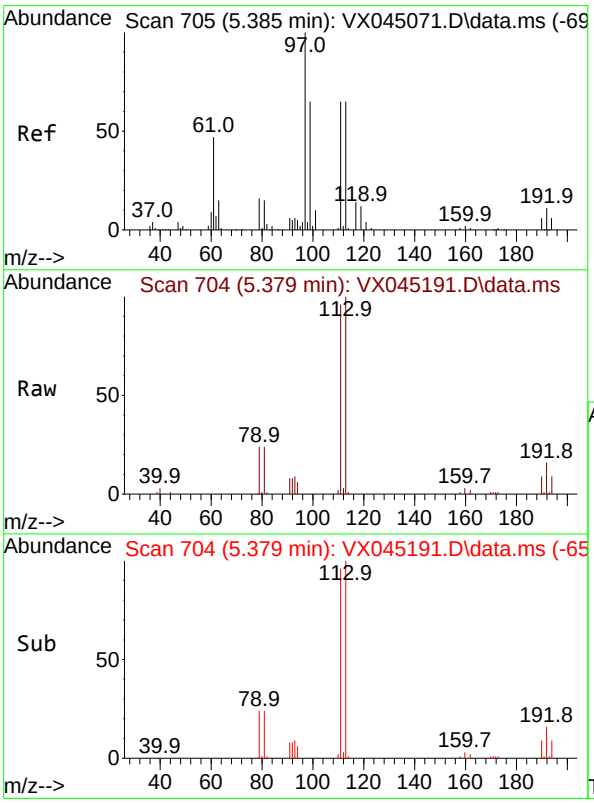
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045191.D
Acq: 10 Mar 2025 13:20

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250305

Tgt Ion:114 Resp: 144084

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	41.8
88	16.1	0.0	32.8

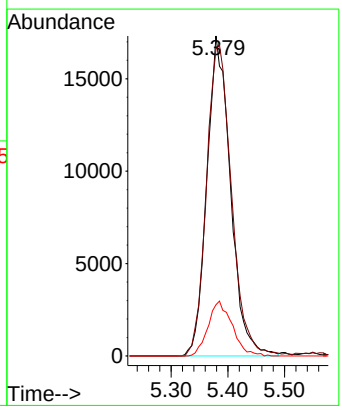


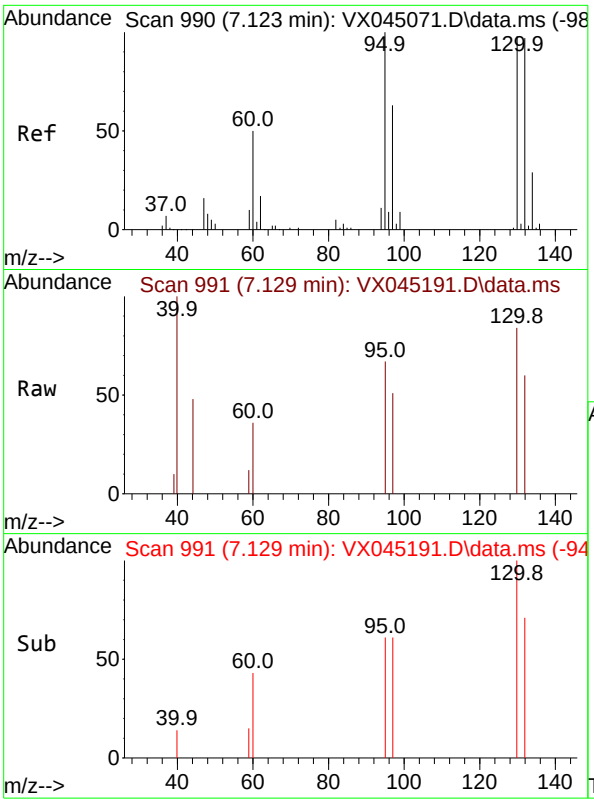


#35
Dibromofluoromethane
Concen: 52.032 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045191.D
Acq: 10 Mar 2025 13:20

Tgt Ion:113 Resp: 50130

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.8	122.6
192	17.5	14.3	21.5



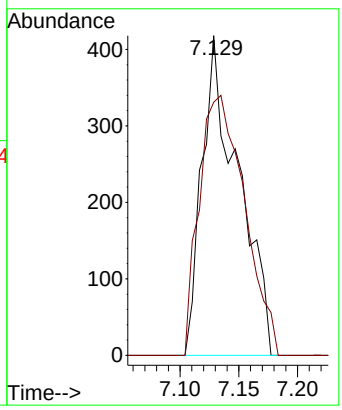


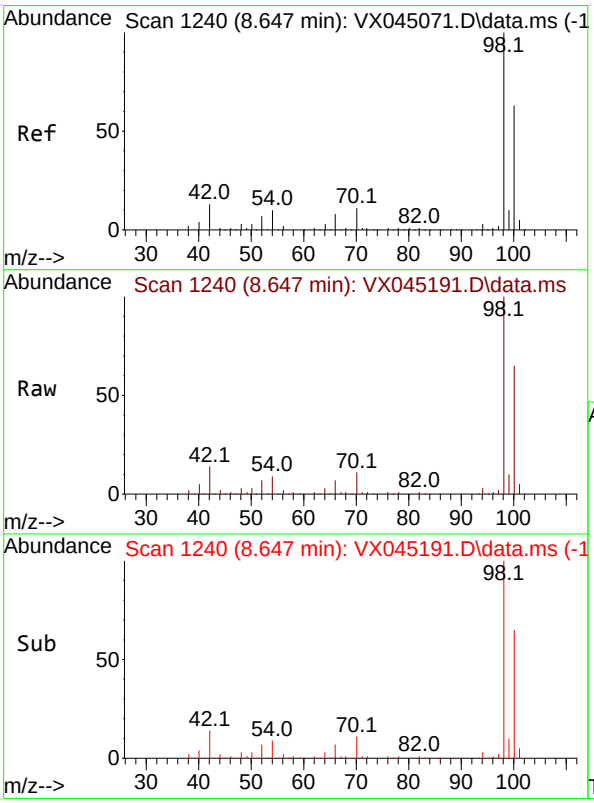
#44
Trichloroethene
Concen: 0.913 ug/l
RT: 7.129 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX045191.D
Acq: 10 Mar 2025 13:20

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250305

Tgt Ion:130 Resp: 894

Ion	Ratio	Lower	Upper
130	100		
95	79.2	0.0	205.0

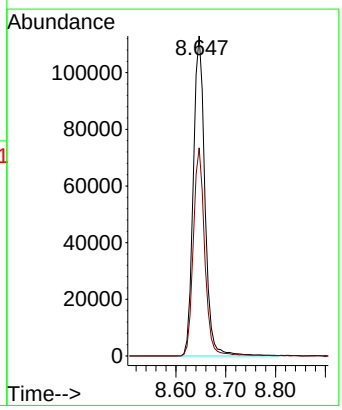


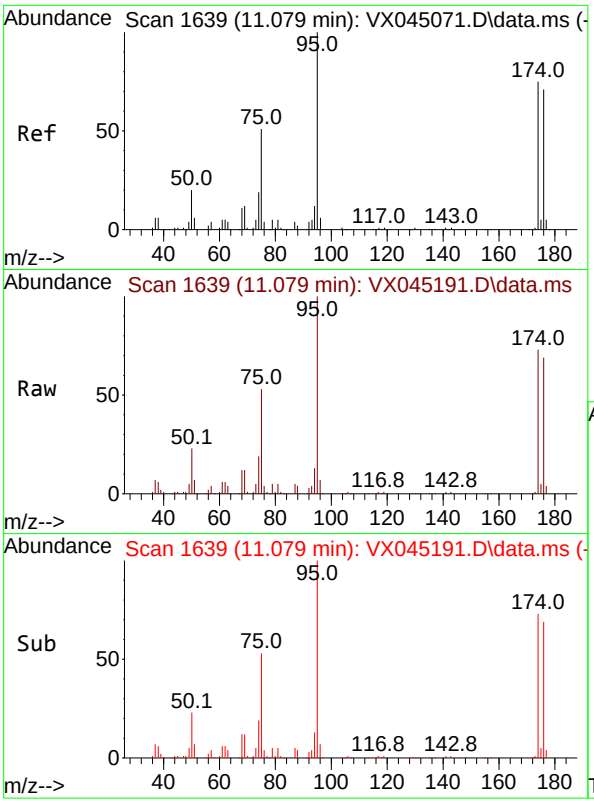


#50
Toluene-d8
Concen: 52.357 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045191.D
Acq: 10 Mar 2025 13:20

Tgt Ion: 98 Resp: 182875

Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.0	78.0



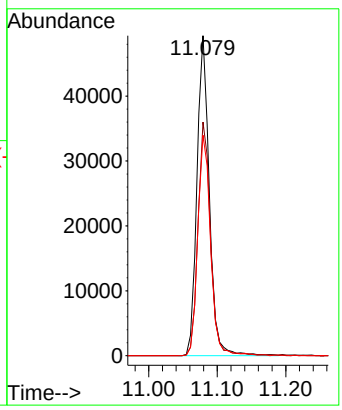


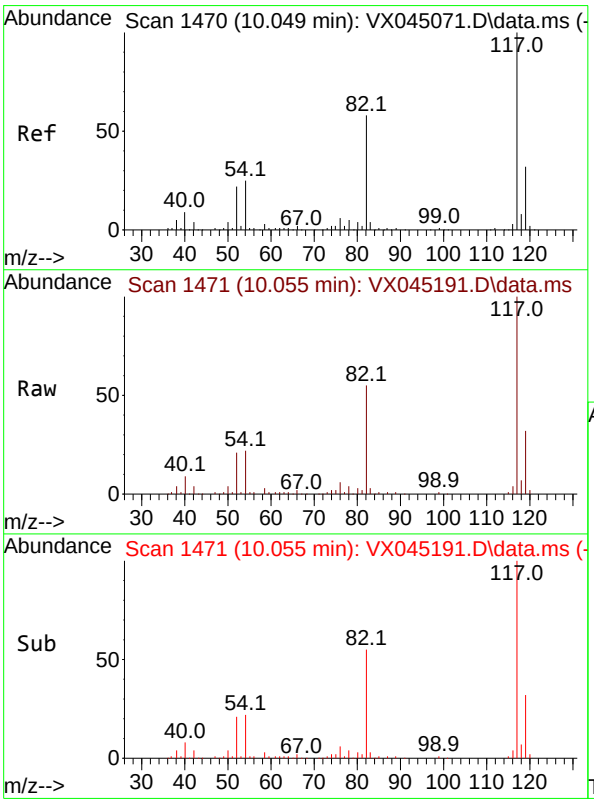
#62
4-Bromofluorobenzene
Concen: 53.542 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045191.D
Acq: 10 Mar 2025 13:20

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250305

Tgt Ion: 95 Resp: 61971

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	148.2
176	71.6	0.0	141.4

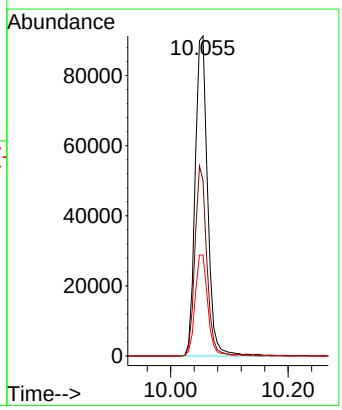


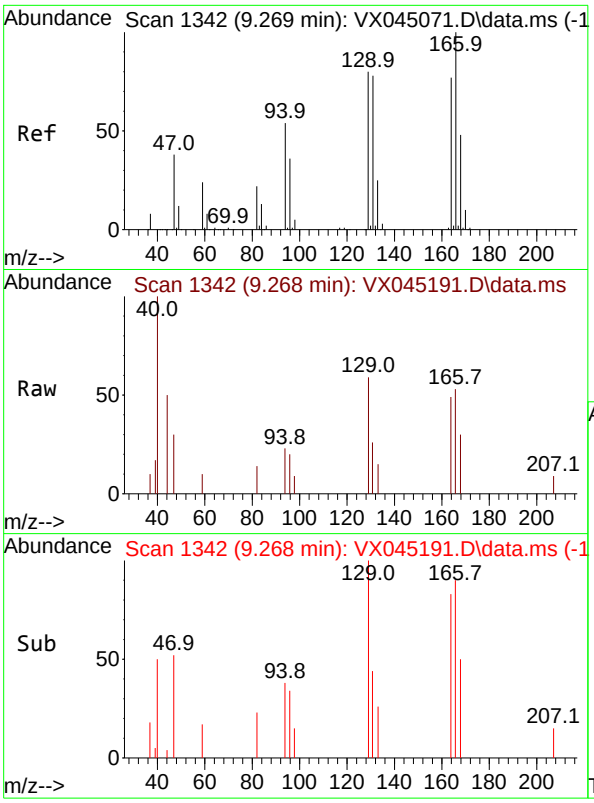


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045191.D
Acq: 10 Mar 2025 13:20

Tgt Ion:117 Resp: 134557

Ion	Ratio	Lower	Upper
117	100		
82	54.9	46.3	69.5
119	31.6	25.7	38.5



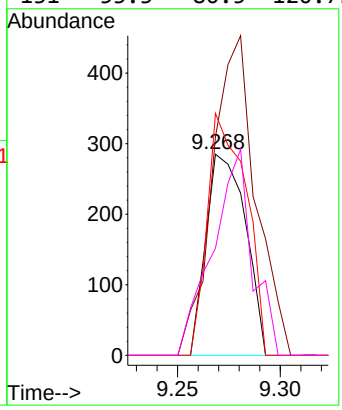


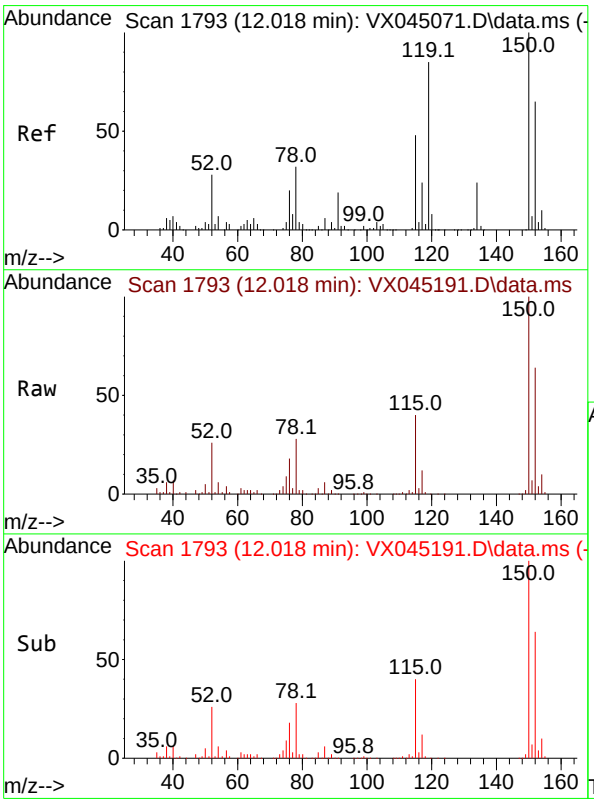
#64
Tetrachloroethene
Concen: 0.443 ug/l
RT: 9.268 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045191.D
Acq: 10 Mar 2025 13:20

Instrument :
MSVOA_X
ClientSampleId :
MW178I-20250305

Tgt Ion:164 Resp: 382

Ion	Ratio	Lower	Upper
164	100		
166	108.8	103.6	155.4
129	120.4	82.7	124.1
131	53.3	80.5	120.7#

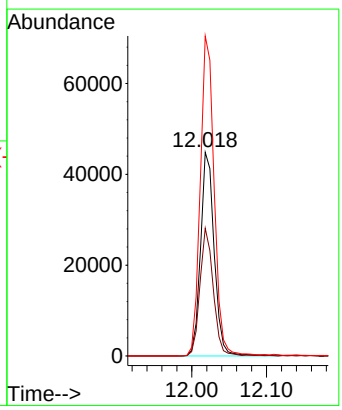




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045191.D
Acq: 10 Mar 2025 13:20

Tgt Ion:152 Resp: 57079

Ion	Ratio	Lower	Upper
152	100		
115	61.4	44.2	132.6
150	159.0	0.0	349.0



Raw Data: **VX045192.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW178I1-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-04	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
VX045192.D	1		03/10/25 13:43	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	2.70		0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.80	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	J	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	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	38.1		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	510	E	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	27.2		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	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:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW178I1-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-04	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
VX045192.D	1		03/10/25 13:43	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	40.6		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.9		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	73600	5.544				
540-36-3	1,4-Difluorobenzene	147000	6.757				
3114-55-4	Chlorobenzene-d5	134000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	56300	12.024				

Raw Data: **VX045192.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW178I1-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-04	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
VX045192.D	1		03/10/25 13:43	VX031025

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\VX031025\
Data File : VX045192.D
Acq On : 10 Mar 2025 13:43
Operator : JC/MD
Sample : Q1500-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305

Quant Time: Mar 11 03:55:02 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

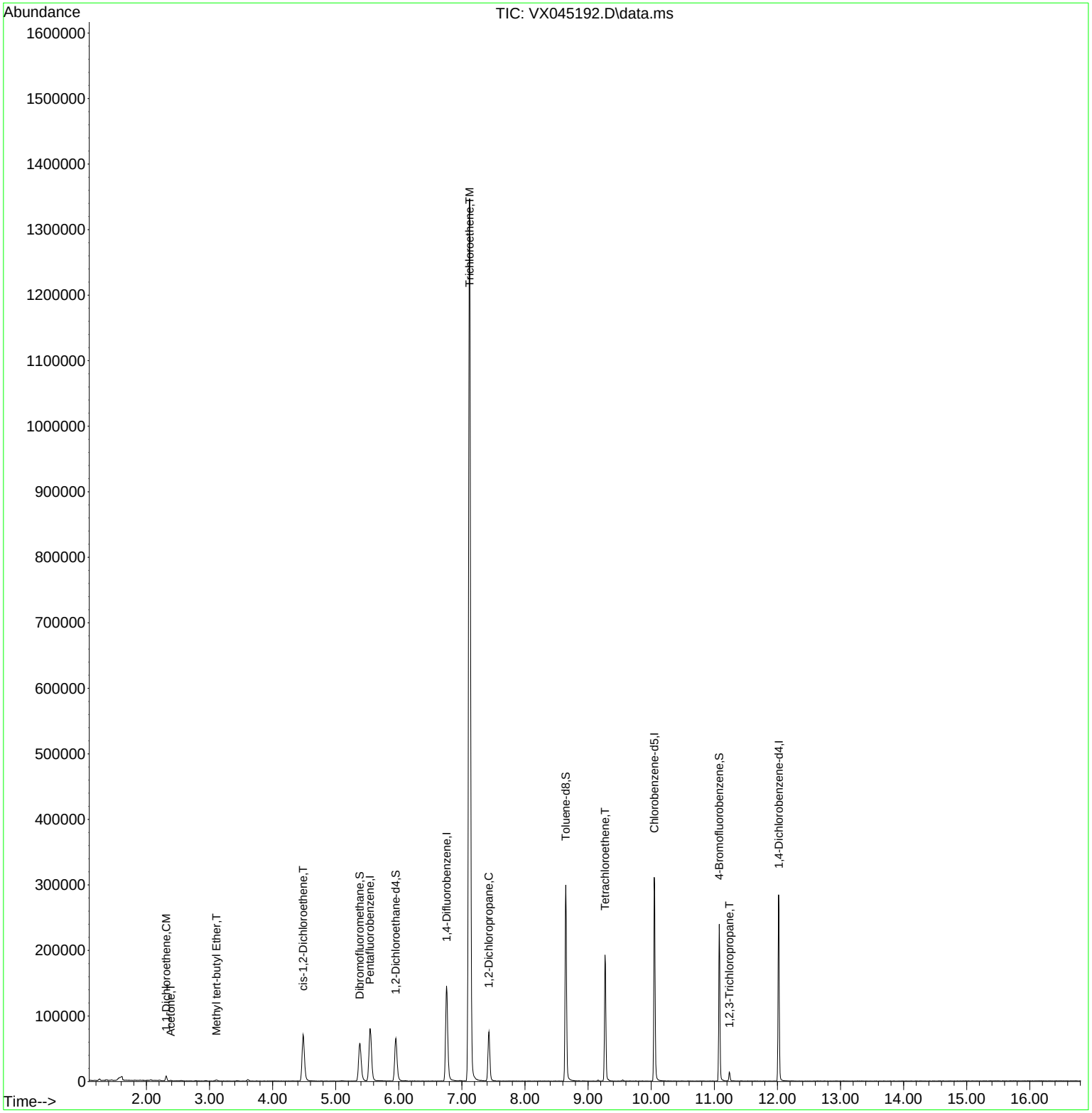
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	73643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146508	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	56281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60764	51.873	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.740%			
35) Dibromofluoromethane	5.379	113	51747	52.821	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.640%			
50) Toluene-d8	8.647	98	179058	50.416	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.840%			
62) 4-Bromofluorobenzene	11.079	95	61540	52.290	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.580%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.312	96	2472	2.732	ug/l	96
16) Acetone	2.386	43	988	1.818	ug/l #	85
19) Methyl tert-butyl Ether	3.111	73	1518	0.500	ug/l #	80
27) cis-1,2-Dichloroethene	4.483	96	42012	38.068	ug/l	93
44) Trichloroethene	7.123	130	508156	510.108	ug/l	98
45) 1,2-Dichloropropane	7.427	63	29707	27.235	ug/l	94
64) Tetrachloroethene	9.268	164	34793	40.590	ug/l	95
76) 1,2,3-Trichloropropane	11.238	75	4826	3.684	ug/l	82

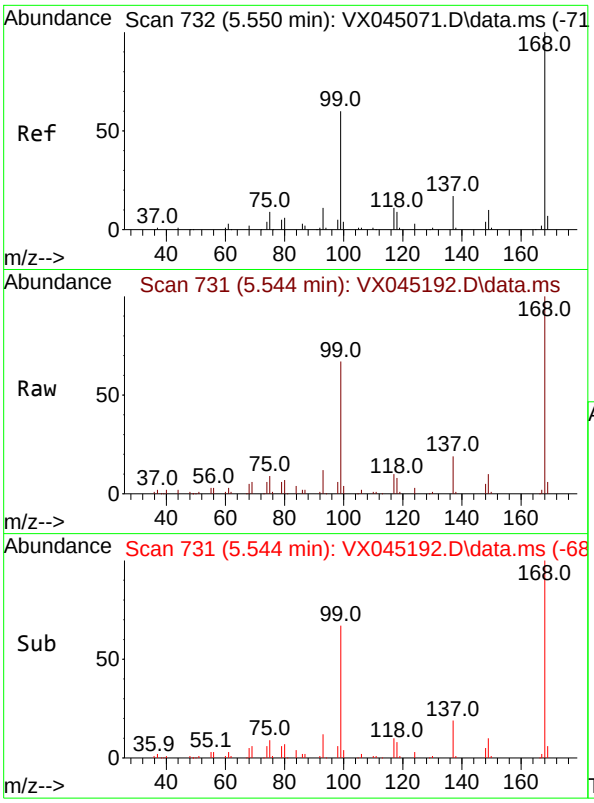
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045192.D
Acq On : 10 Mar 2025 13:43
Operator : JC/MD
Sample : Q1500-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305

Quant Time: Mar 11 03:55:02 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



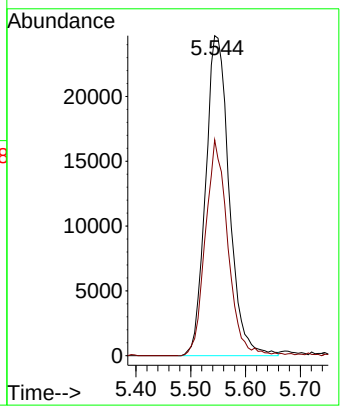


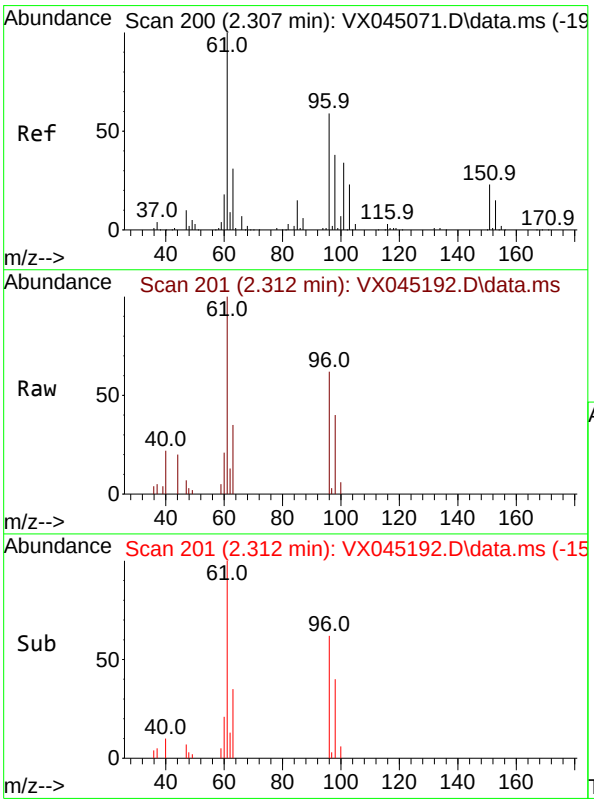
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305

Tgt Ion:168 Resp: 73643

Ion	Ratio	Lower	Upper
168	100		
99	67.4	48.2	72.4

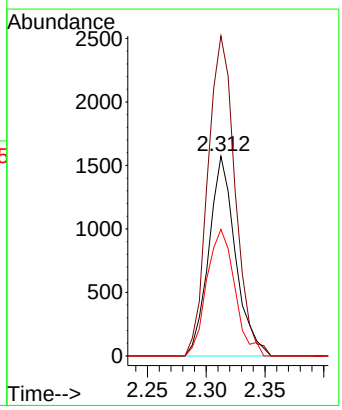


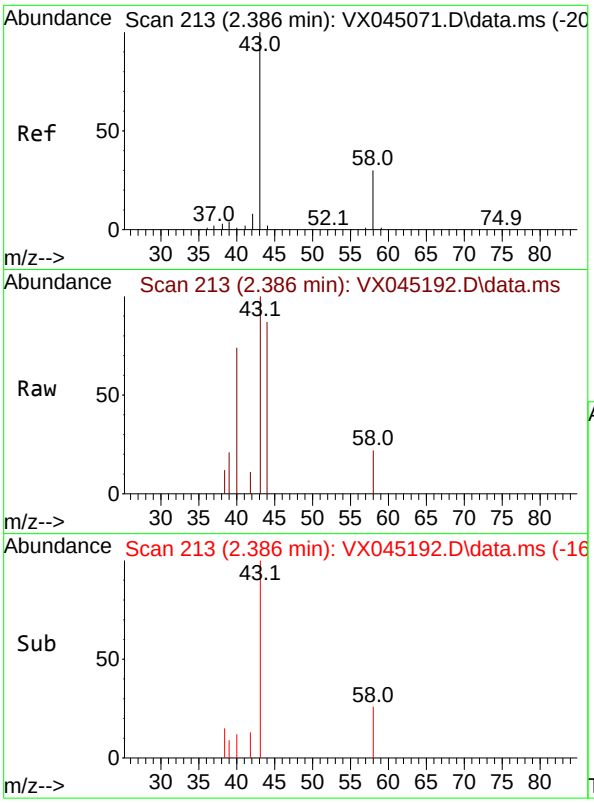


#12
1,1-Dichloroethene
Concen: 2.732 ug/l
RT: 2.312 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion: 96 Resp: 2472

Ion	Ratio	Lower	Upper
96	100		
61	160.2	134.6	202.0
98	63.3	51.0	76.6



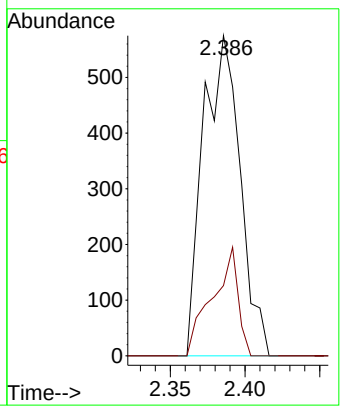


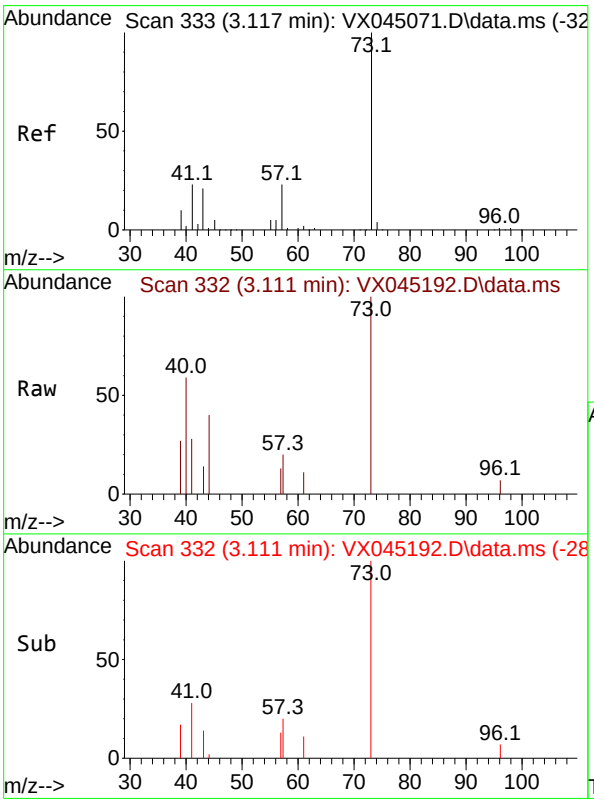
#16
Acetone
Concen: 1.818 ug/l
RT: 2.386 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305

Tgt Ion: 43 Resp: 988

Ion	Ratio	Lower	Upper
43	100		
58	21.9	24.2	36.4#

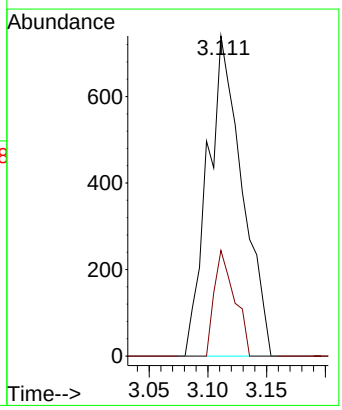


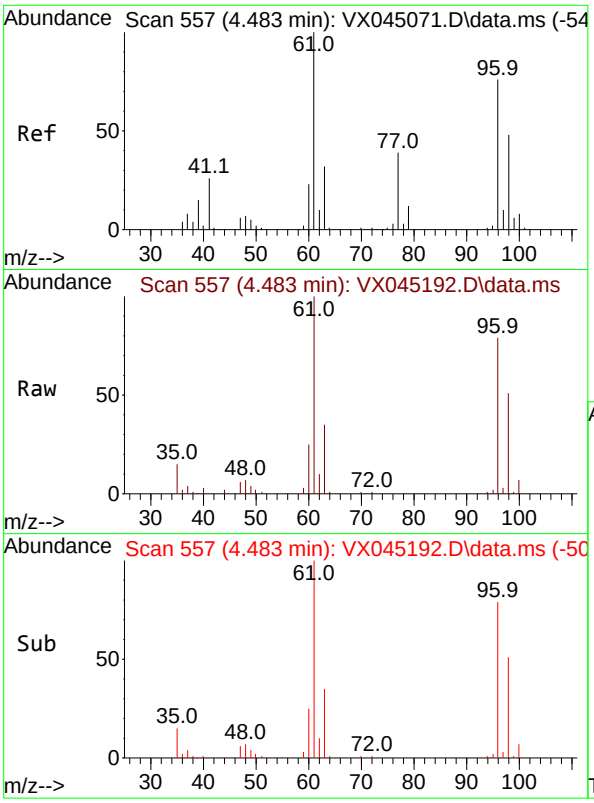


#19
Methyl tert-butyl Ether
Concen: 0.500 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion: 73 Resp: 1518

Ion	Ratio	Lower	Upper
73	100		
57	33.0	18.5	27.7#



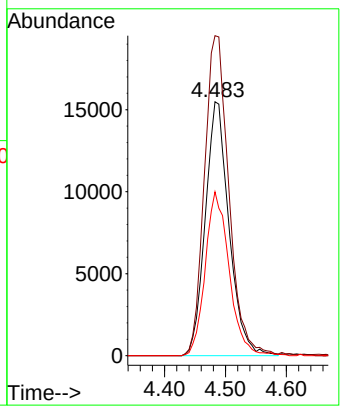


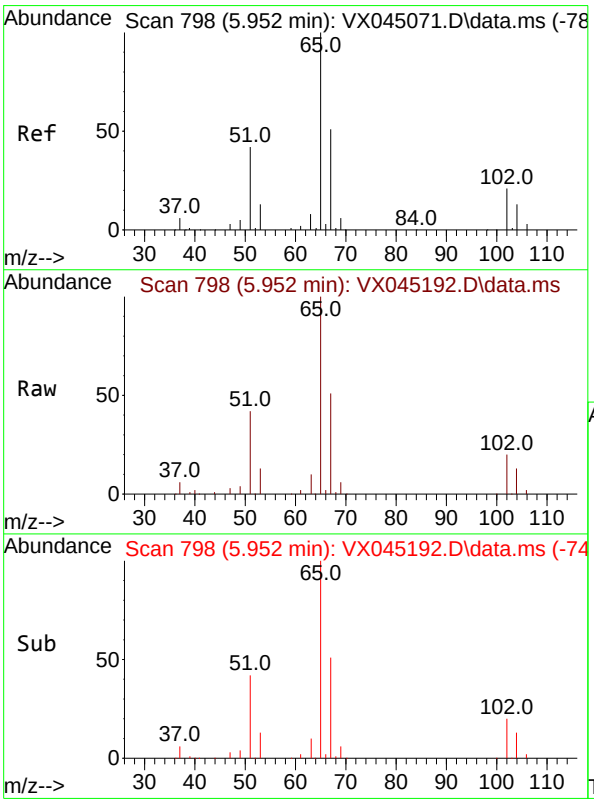
#27
cis-1,2-Dichloroethene
Concen: 38.068 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305

Tgt Ion: 96 Resp: 42012

Ion	Ratio	Lower	Upper
96	100		
61	129.7	0.0	283.2
98	64.9	0.0	128.0

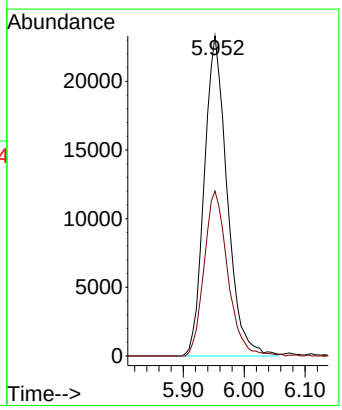


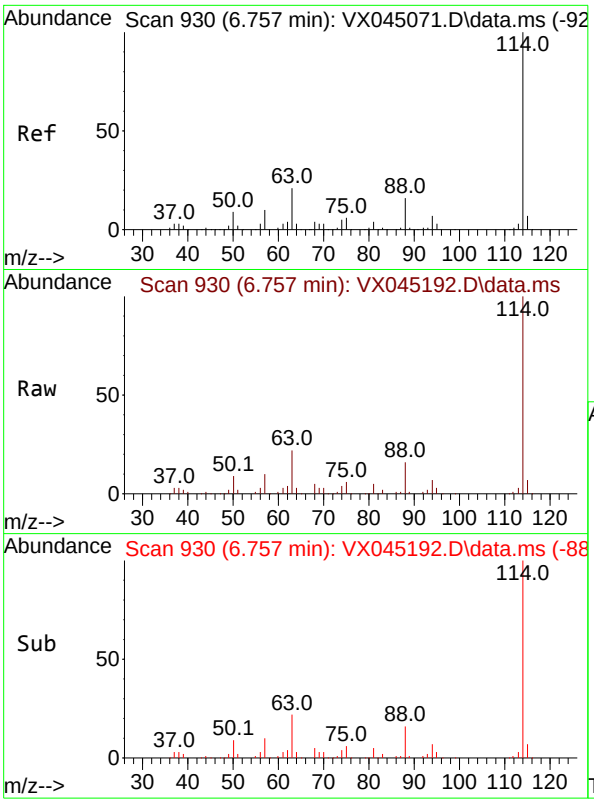


#33
1,2-Dichloroethane-d4
Concen: 51.873 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion: 65 Resp: 60764

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	106.2



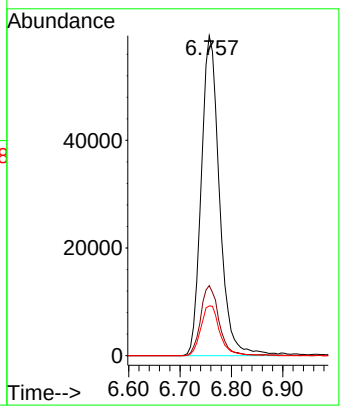


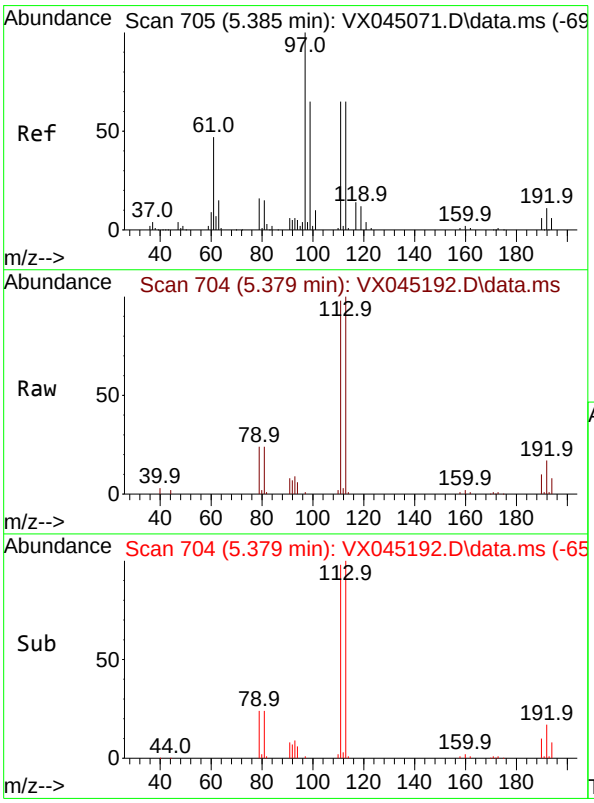
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305

Tgt Ion:114 Resp: 146508

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	41.8
88	15.5	0.0	32.8

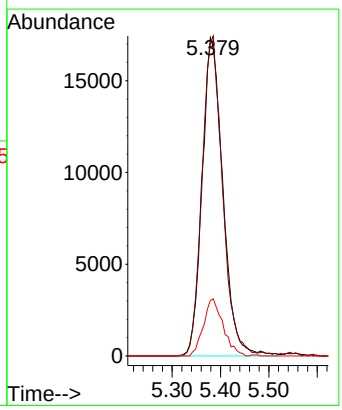


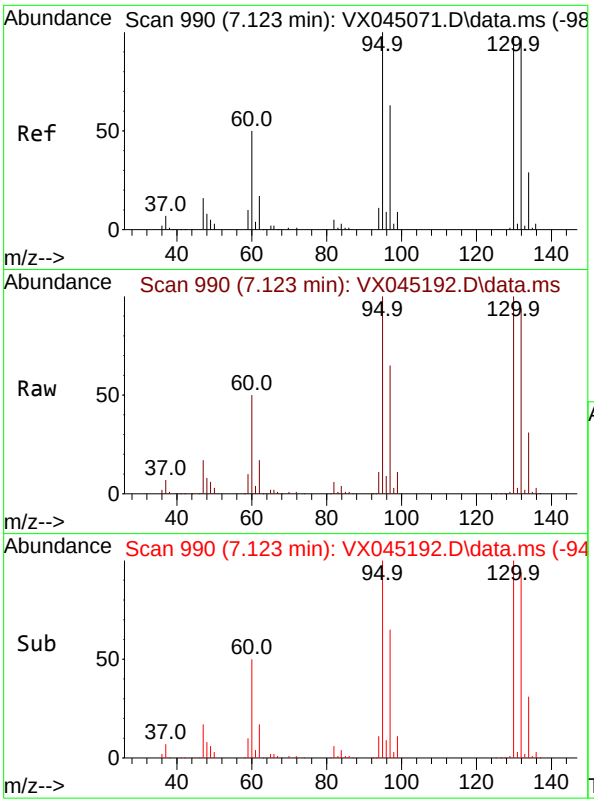


#35
Dibromofluoromethane
Concen: 52.821 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion:113 Resp: 51747

Ion	Ratio	Lower	Upper
113	100		
111	99.0	81.8	122.6
192	17.0	14.3	21.5



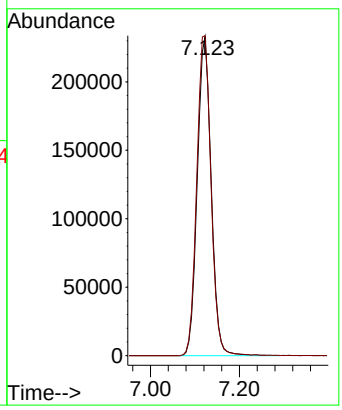


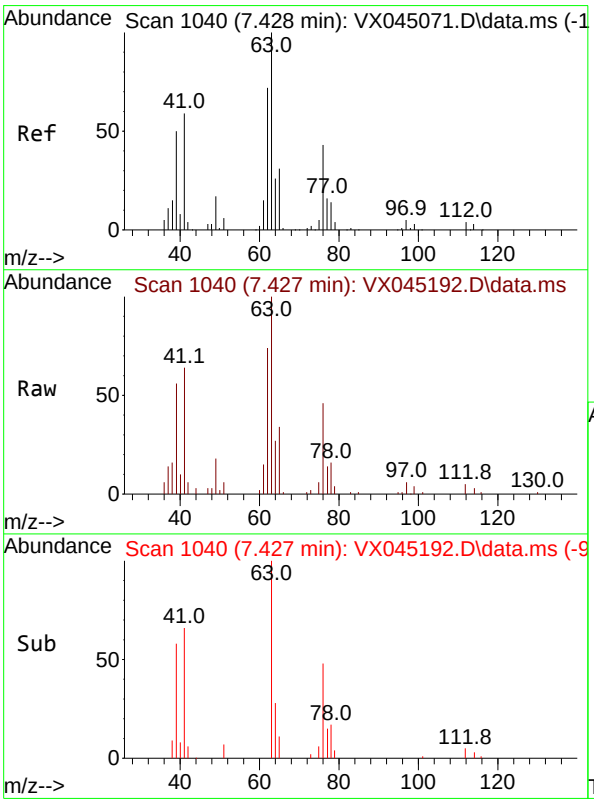
#44
Trichloroethene
Concen: 510.108 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305

Tgt Ion:130 Resp: 508156

Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	205.0

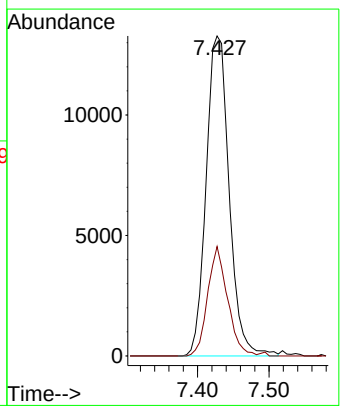


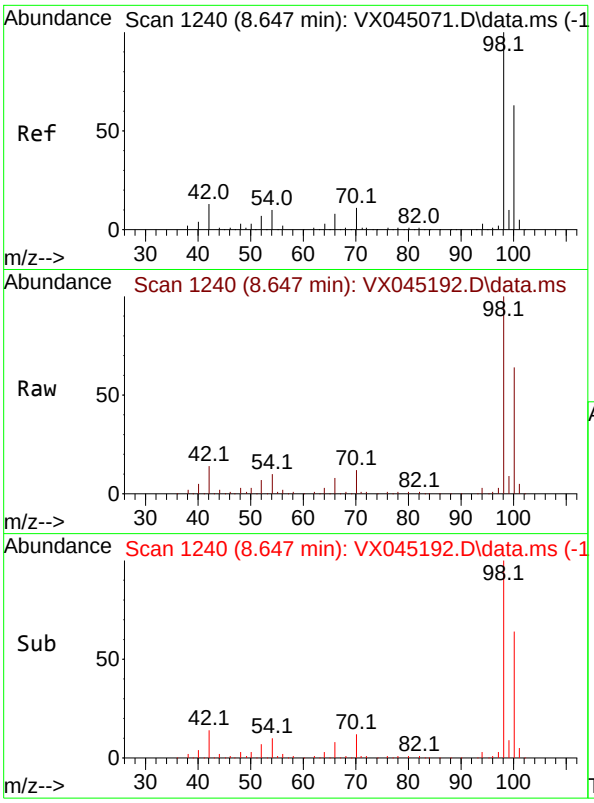


#45
1,2-Dichloropropane
Concen: 27.235 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion: 63 Resp: 29707

Ion	Ratio	Lower	Upper
63	100		
65	34.2	24.7	37.1



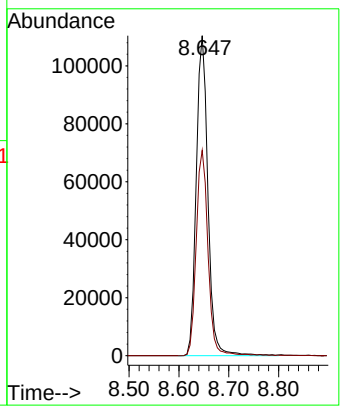


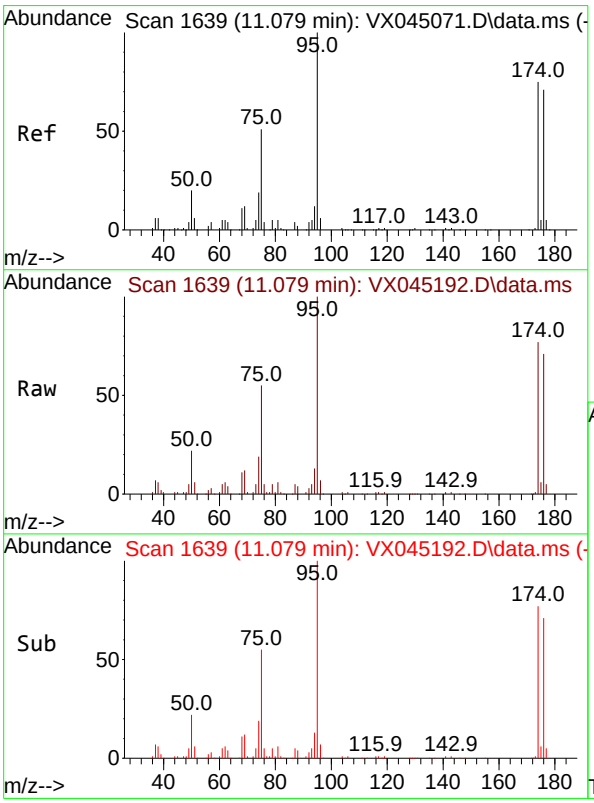
#50
Toluene-d8
Concen: 50.416 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305

Tgt Ion: 98 Resp: 179058

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0

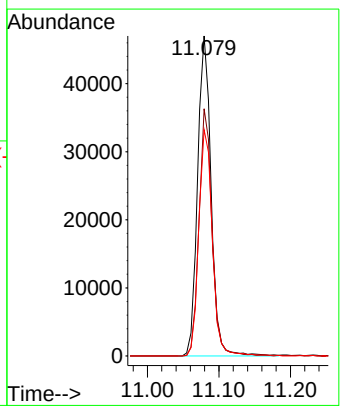


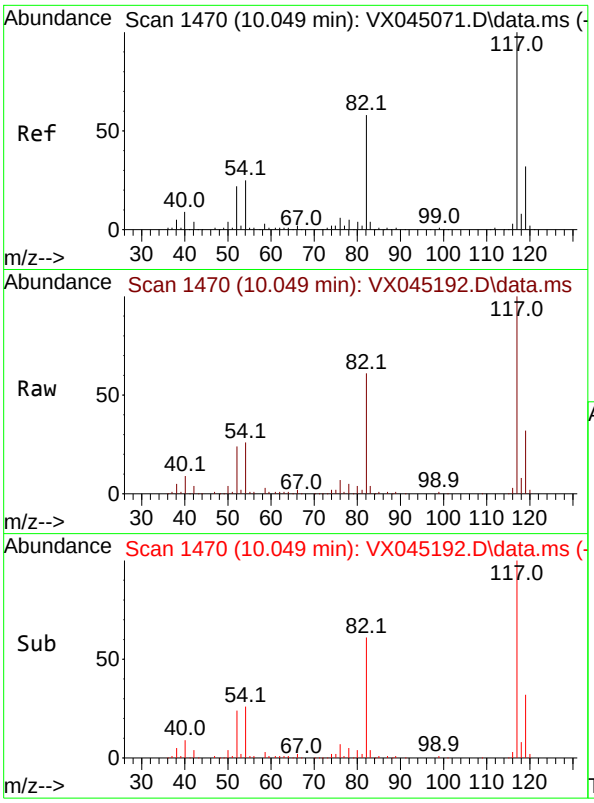


#62
4-Bromofluorobenzene
Concen: 52.290 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion: 95 Resp: 61540

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	148.2
176	71.3	0.0	141.4



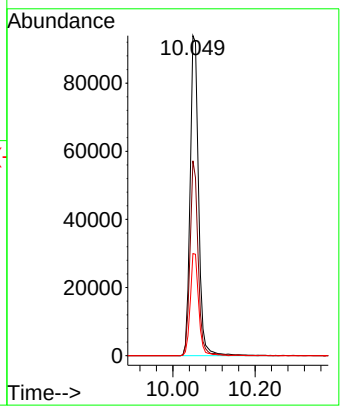


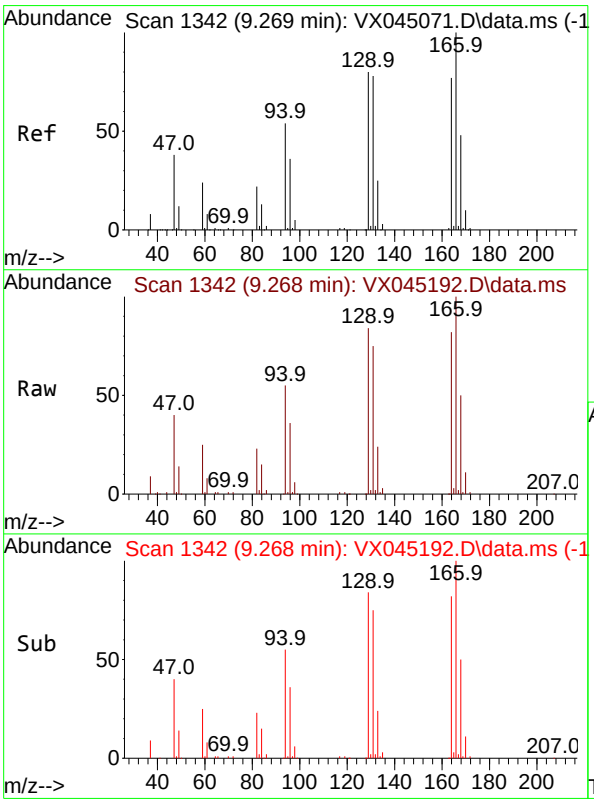
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305

Tgt Ion:117 Resp: 133838

Ion	Ratio	Lower	Upper
117	100		
82	60.9	46.3	69.5
119	31.9	25.7	38.5

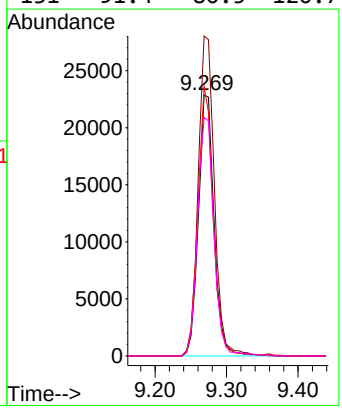


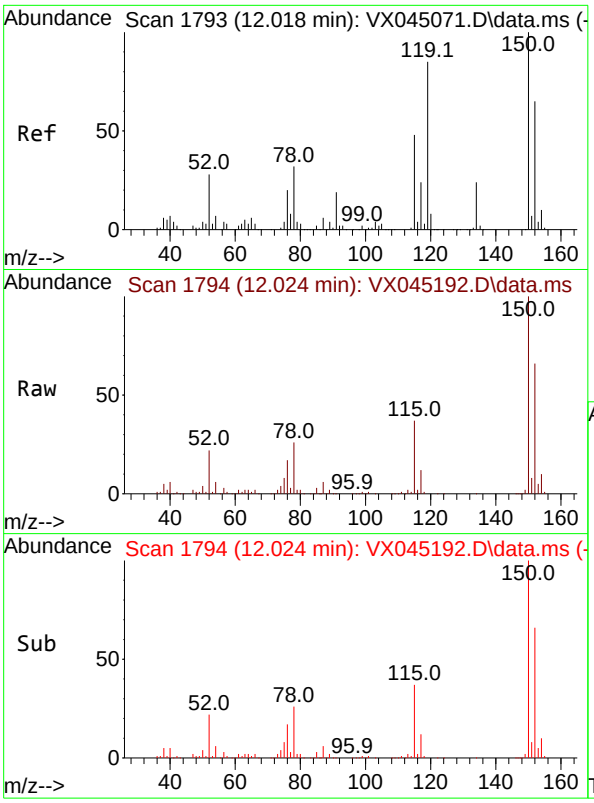


#64
Tetrachloroethene
Concen: 40.590 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion:164 Resp: 34793

Ion	Ratio	Lower	Upper
164	100		
166	122.6	103.6	155.4
129	103.1	82.7	124.1
131	91.4	80.5	120.7



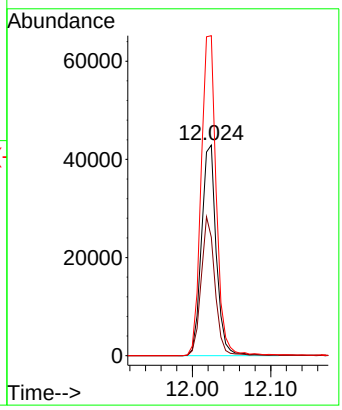


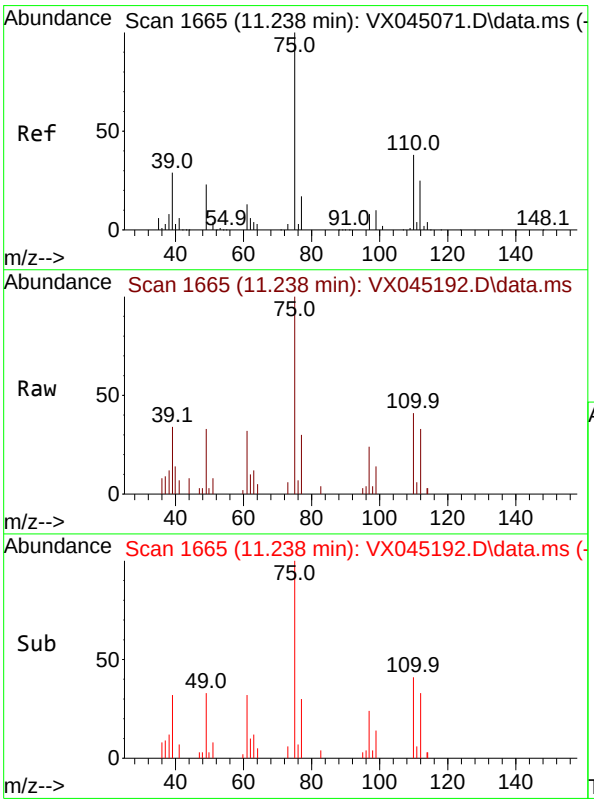
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305

Tgt Ion:152 Resp: 56281

Ion	Ratio	Lower	Upper
152	100		
115	61.5	44.2	132.6
150	156.5	0.0	349.0

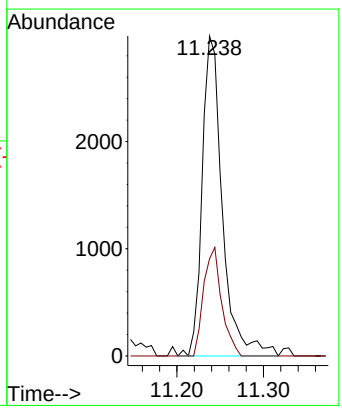




#76
1,2,3-Trichloropropane
Concen: 3.684 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045192.D
Acq: 10 Mar 2025 13:43

Tgt Ion: 75 Resp: 4826

Ion	Ratio	Lower	Upper
75	100		
77	30.2	20.7	62.1



Raw Data: **VX045220.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW178I1-20250305DL	SDG No.:	Q1500
Lab Sample ID:	Q1500-04DL	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
VX045220.D	10		03/11/25 13:36	VX031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	5.00	UD	2.10	5.00	10.0	ug/L
74-87-3	Chloromethane	5.00	UD	3.50	5.00	10.0	ug/L
75-01-4	Vinyl Chloride	7.50	UD	3.40	7.50	10.0	ug/L
74-83-9	Bromomethane	37.5	UD	13.6	37.5	50.0	ug/L
75-00-3	Chloroethane	7.50	UD	5.60	7.50	10.0	ug/L
75-69-4	Trichlorofluoromethane	5.00	UD	3.40	5.00	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	UD	2.50	5.00	10.0	ug/L
75-35-4	1,1-Dichloroethene	7.50	UD	2.60	7.50	10.0	ug/L
67-64-1	Acetone	37.5	UD	13.9	37.5	50.0	ug/L
75-15-0	Carbon Disulfide	7.50	UD	3.20	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	6.00	7.50	10.0	ug/L
75-09-2	Methylene Chloride	5.00	UD	3.20	5.00	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	2.50	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	16.2	25.0	50.0	ug/L
78-93-3	2-Butanone	25.0	UD	13.0	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	36.7	D	2.50	7.50	10.0	ug/L
74-97-5	Bromochloromethane	5.00	UD	1.80	5.00	10.0	ug/L
67-66-3	Chloroform	5.00	UD	2.60	5.00	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	UD	1.90	5.00	10.0	ug/L
108-87-2	Methylcyclohexane	5.00	UD	1.90	5.00	10.0	ug/L
71-43-2	Benzene	5.00	UD	1.60	5.00	10.0	ug/L
107-06-2	1,2-Dichloroethane	5.00	UD	2.40	5.00	10.0	ug/L
79-01-6	Trichloroethene	500	D	3.20	7.50	10.0	ug/L
78-87-5	1,2-Dichloropropane	25.1	D	1.90	5.00	10.0	ug/L
75-27-4	Bromodichloromethane	5.00	UD	2.40	5.00	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	UD	7.50	25.0	50.0	ug/L
108-88-3	Toluene	5.00	UD	1.80	5.00	10.0	ug/L

Raw Data: **VX045220.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW178I1-20250305DL	SDG No.:	Q1500
Lab Sample ID:	Q1500-04DL	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
VX045220.D	10		03/11/25 13:36	VX031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	UD	2.10	5.00	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	UD	1.80	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	11.3	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	1.60	5.00	10.0	ug/L
127-18-4	Tetrachloroethene	37.7	D	2.50	5.00	10.0	ug/L
108-90-7	Chlorobenzene	5.00	UD	1.30	5.00	10.0	ug/L
100-41-4	Ethyl Benzene	5.00	UD	1.60	5.00	10.0	ug/L
179601-23-1	m/p-Xylenes	10.0	UD	3.10	10.0	20.0	ug/L
95-47-6	o-Xylene	5.00	UD	1.40	5.00	10.0	ug/L
100-42-5	Styrene	5.00	UD	1.60	5.00	10.0	ug/L
75-25-2	Bromoform	5.00	UD	2.10	5.00	10.0	ug/L
98-82-8	Isopropylbenzene	5.00	UD	1.30	5.00	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	UD	2.70	5.00	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	UD	2.40	5.00	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	UD	2.70	5.00	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	UD	1.90	5.00	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	7.50	UD	4.60	7.50	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	UD	4.20	5.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	7.50	UD	5.10	7.50	10.0	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.1		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.7		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	69000	5.544				
540-36-3	1,4-Difluorobenzene	136000	6.757				
3114-55-4	Chlorobenzene-d5	126000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51400	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:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW178I1-20250305DL	SDG No.:	Q1500
Lab Sample ID:	Q1500-04DL	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
VX045220.D	10		03/11/25 13:36	VX031125

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\VX031125\
Data File : VX045220.D
Acq On : 11 Mar 2025 13:36
Operator : JC/MD
Sample : Q1500-04DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305DL

Quant Time: Mar 12 01:48:14 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

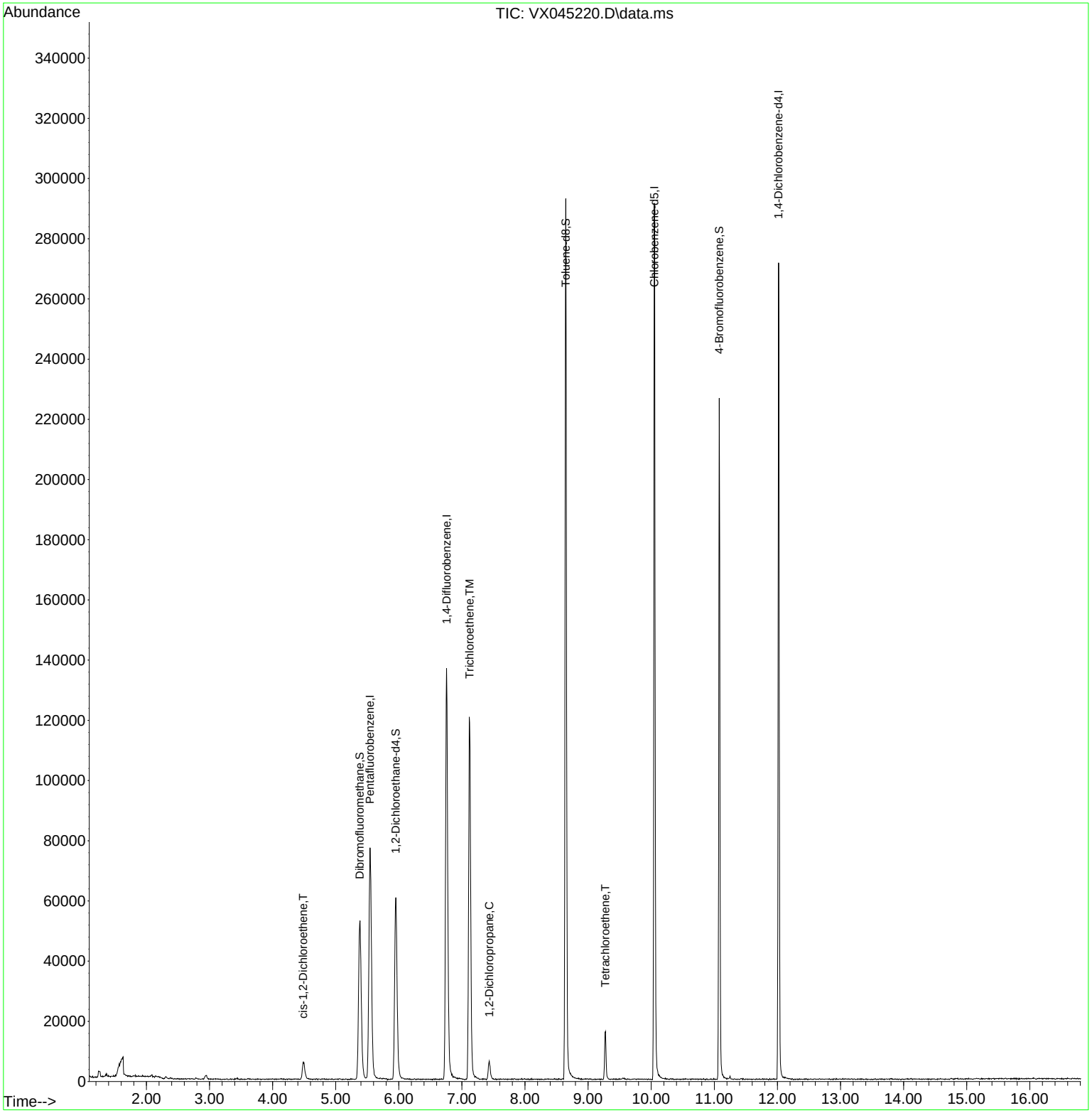
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	68963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135664	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58212	53.067	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.140%			
35) Dibromofluoromethane	5.379	113	46412	51.162	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.320%			
50) Toluene-d8	8.647	98	169965	51.681	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.360%			
62) 4-Bromofluorobenzene	11.079	95	57299	52.578	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.160%			
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	4.483	96	3795	3.672	ug/l	97
44) Trichloroethene	7.123	130	45855	49.711	ug/l	100
45) 1,2-Dichloropropane	7.434	63	2537	2.512	ug/l	92
64) Tetrachloroethene	9.275	164	3048	3.772	ug/l	94

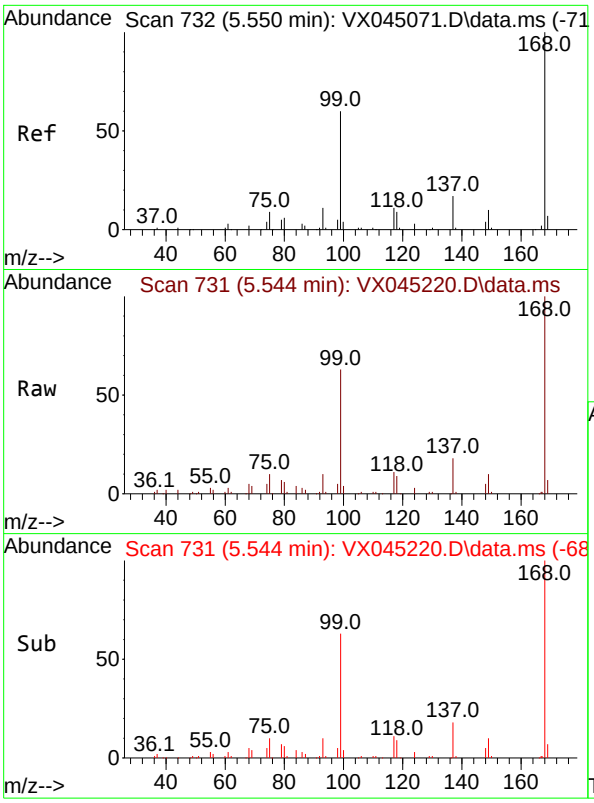
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045220.D
Acq On : 11 Mar 2025 13:36
Operator : JC/MD
Sample : Q1500-04DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305DL

Quant Time: Mar 12 01:48:14 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



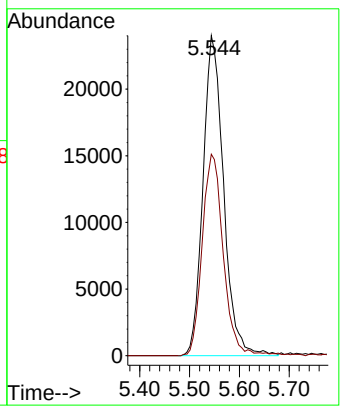


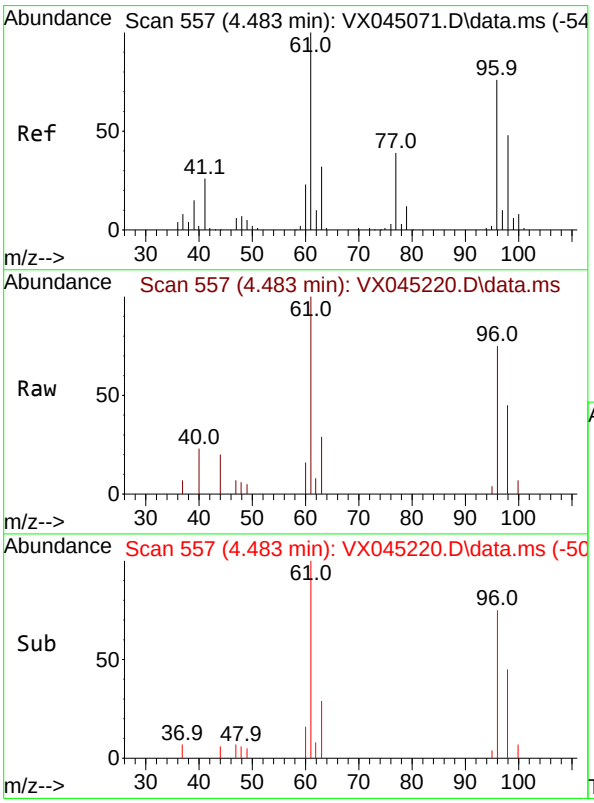
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045220.D
Acq: 11 Mar 2025 13:36

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305DL

Tgt Ion:168 Resp: 68963

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.2	72.4

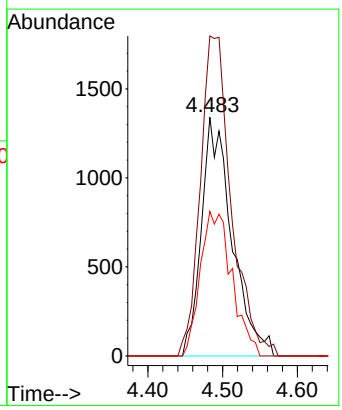


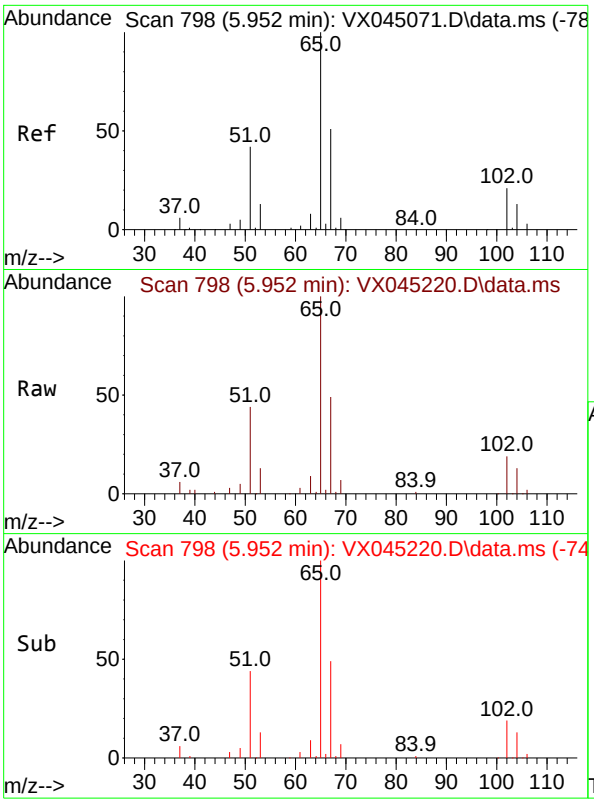


#27
cis-1,2-Dichloroethene
Concen: 3.672 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX045220.D
Acq: 11 Mar 2025 13:36

Tgt Ion: 96 Resp: 3795

Ion	Ratio	Lower	Upper
96	100		
61	136.3	0.0	283.2
98	62.7	0.0	128.0



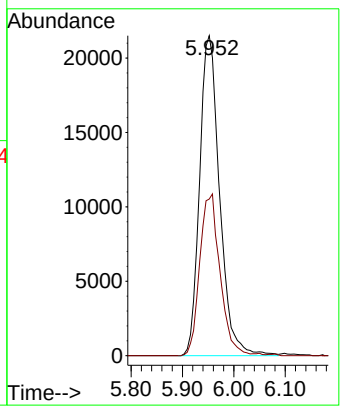


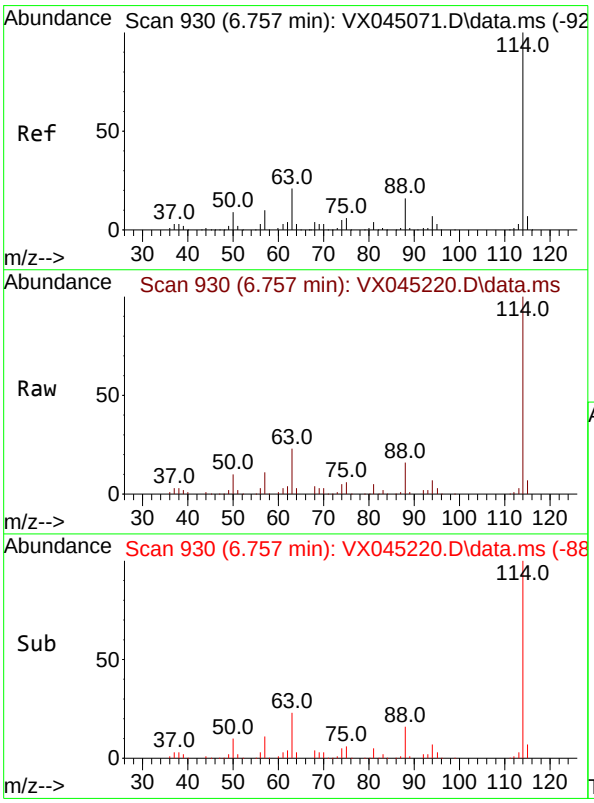
#33
1,2-Dichloroethane-d4
Concen: 53.067 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045220.D
Acq: 11 Mar 2025 13:36

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305DL

Tgt Ion: 65 Resp: 58212

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.2

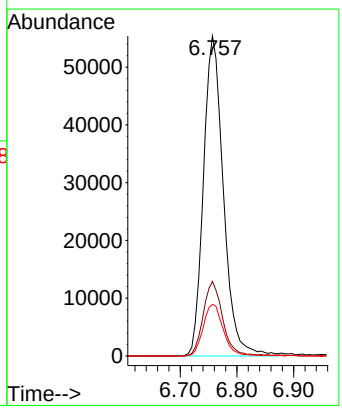


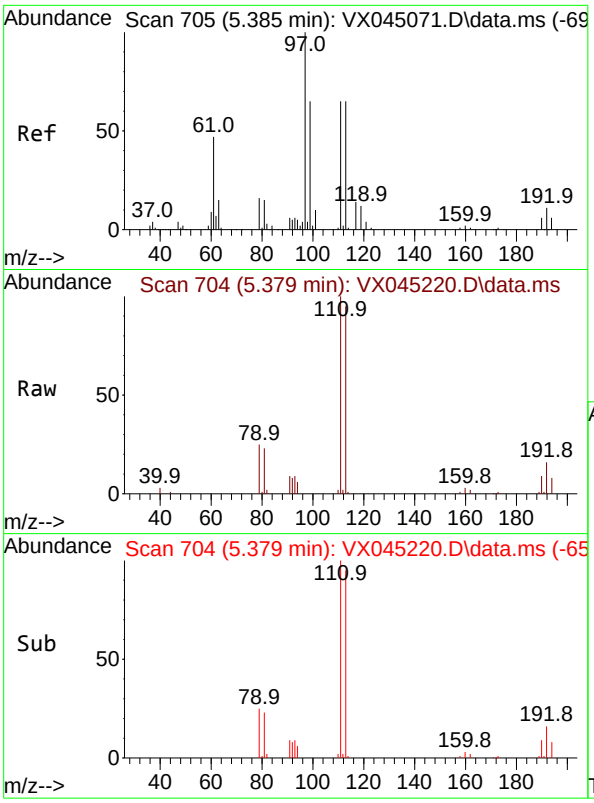


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045220.D
Acq: 11 Mar 2025 13:36

Tgt Ion:114 Resp: 135664

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	41.8
88	16.1	0.0	32.8



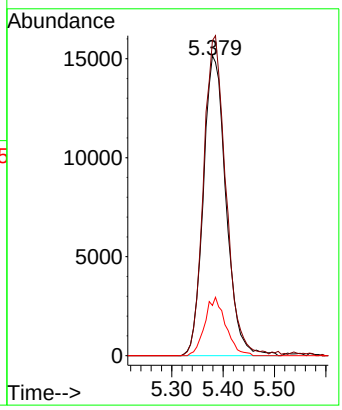


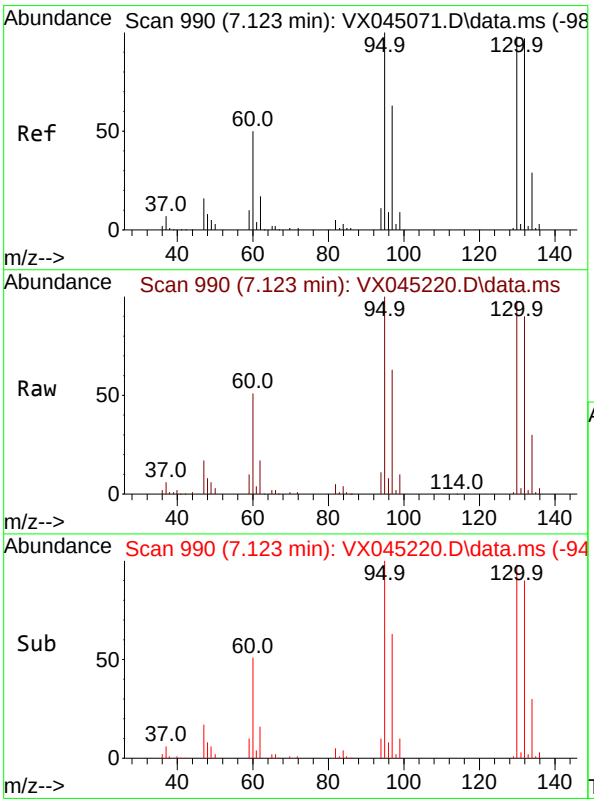
#35
Dibromofluoromethane
Concen: 51.162 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045220.D
Acq: 11 Mar 2025 13:36

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305DL

Tgt Ion:113 Resp: 46412

Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.8	122.6
192	18.0	14.3	21.5

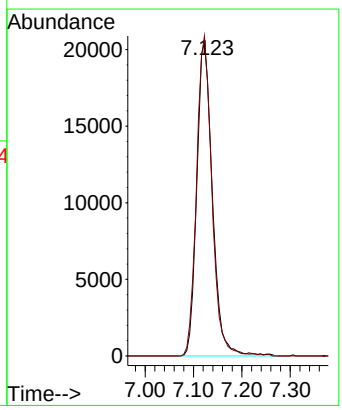


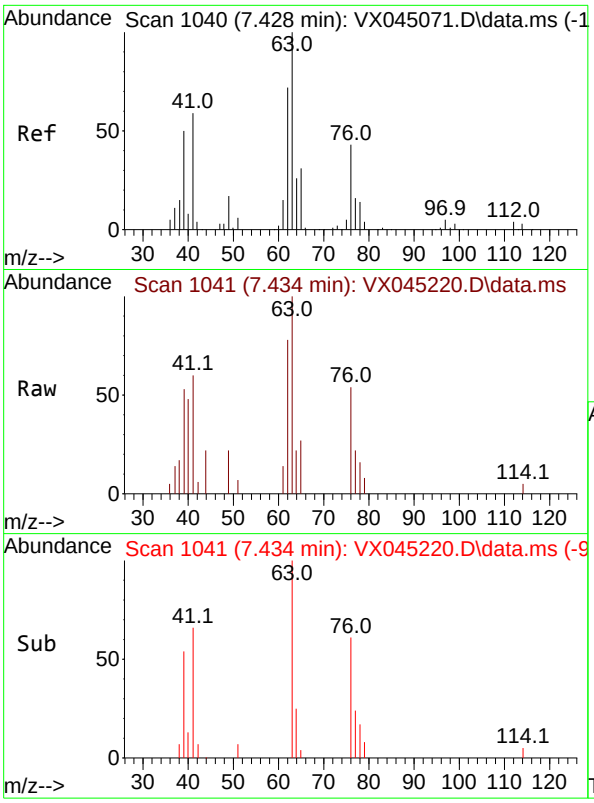


#44
Trichloroethene
Concen: 49.711 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045220.D
Acq: 11 Mar 2025 13:36

Tgt Ion:130 Resp: 45855

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	205.0



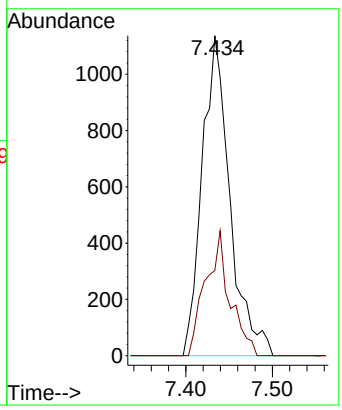


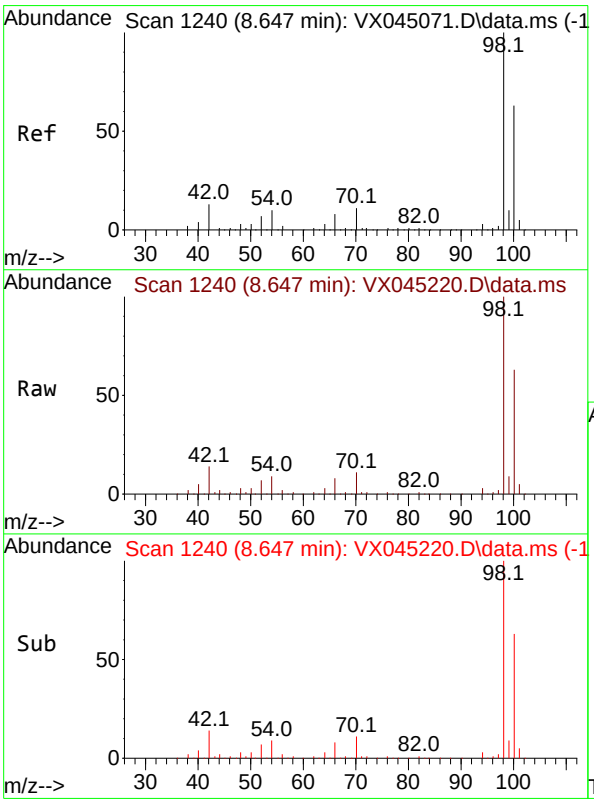
#45
1,2-Dichloropropane
Concen: 2.512 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045220.D
Acq: 11 Mar 2025 13:36

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305DL

Tgt Ion: 63 Resp: 2537

Ion	Ratio	Lower	Upper
63	100		
65	26.6	24.7	37.1

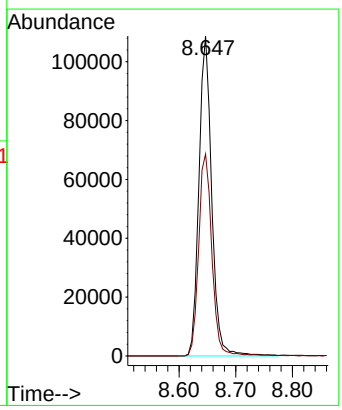


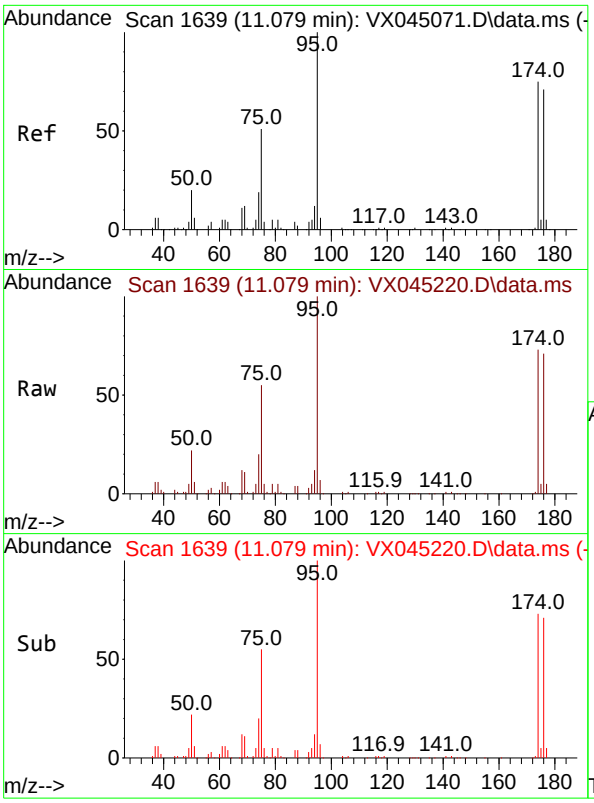


#50
Toluene-d8
Concen: 51.681 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045220.D
Acq: 11 Mar 2025 13:36

Tgt Ion: 98 Resp: 169965

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0



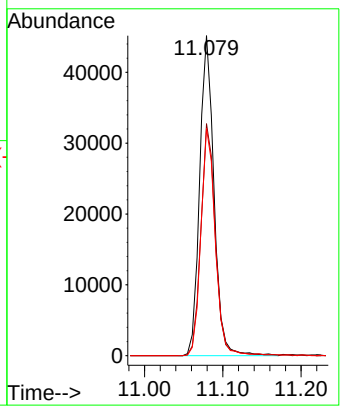


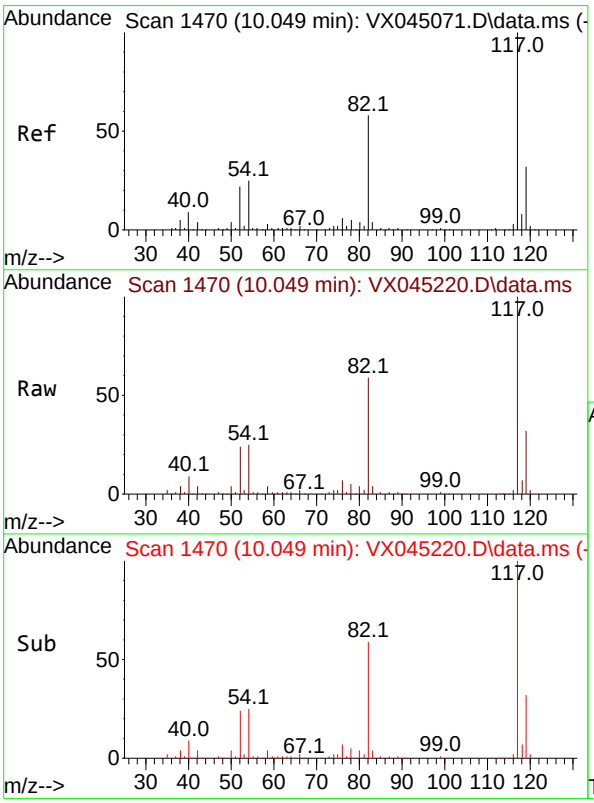
#62
4-Bromofluorobenzene
Concen: 52.578 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045220.D
Acq: 11 Mar 2025 13:36

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305DL

Tgt Ion: 95 Resp: 57299

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	148.2
176	71.6	0.0	141.4

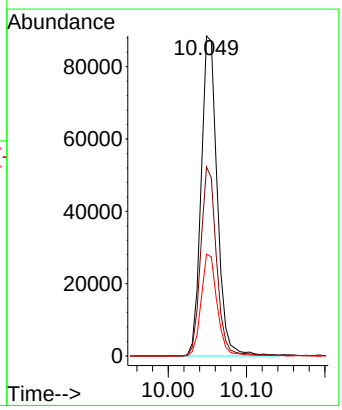


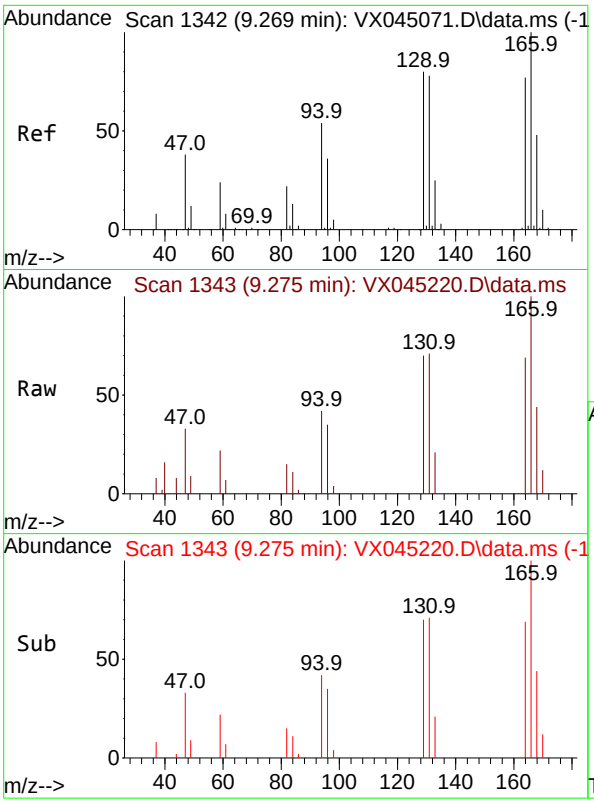


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045220.D
Acq: 11 Mar 2025 13:36

Tgt Ion:117 Resp: 126161

Ion	Ratio	Lower	Upper
117	100		
82	59.1	46.3	69.5
119	31.8	25.7	38.5



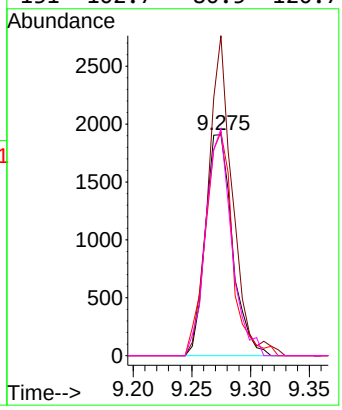


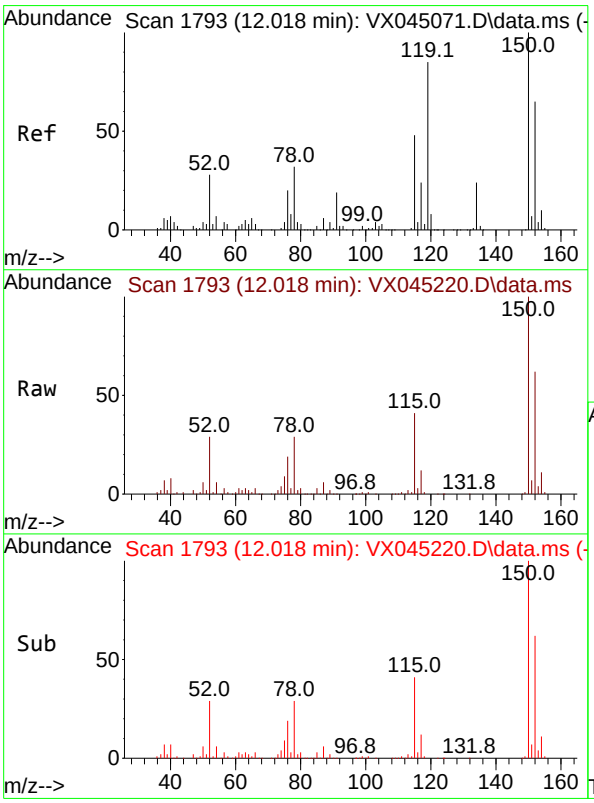
#64
Tetrachloroethene
Concen: 3.772 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045220.D
Acq: 11 Mar 2025 13:36

Instrument :
MSVOA_X
ClientSampleId :
MW178I1-20250305DL

Tgt Ion:164 Resp: 3048

Ion	Ratio	Lower	Upper
164	100		
166	144.9	103.6	155.4
129	101.2	82.7	124.1
131	102.7	80.5	120.7

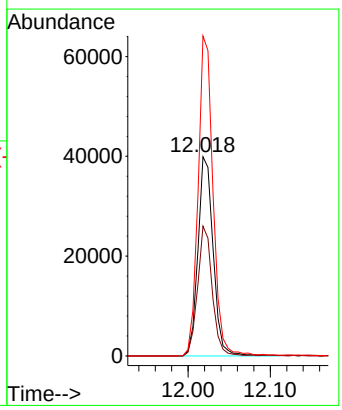




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045220.D
Acq: 11 Mar 2025 13:36

Tgt Ion:152 Resp: 51397

Ion	Ratio	Lower	Upper
152	100		
115	62.6	44.2	132.6
150	157.7	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:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW179D1-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-05	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
VX045193.D	1		03/10/25 14:06	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.91	J	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	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	16.1		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	140		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	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:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW179D1-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-05	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
VX045193.D	1		03/10/25 14:06	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	15.7		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.4		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.2		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	71200	5.55				
540-36-3	1,4-Difluorobenzene	139000	6.757				
3114-55-4	Chlorobenzene-d5	126000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50400	12.018				

Raw Data: **VX045193.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW179D1-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-05	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
VX045193.D	1		03/10/25 14:06	VX031025

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\VX031025\
Data File : VX045193.D
Acq On : 10 Mar 2025 14:06
Operator : JC/MD
Sample : Q1500-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250305

Quant Time: Mar 11 03:55:34 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

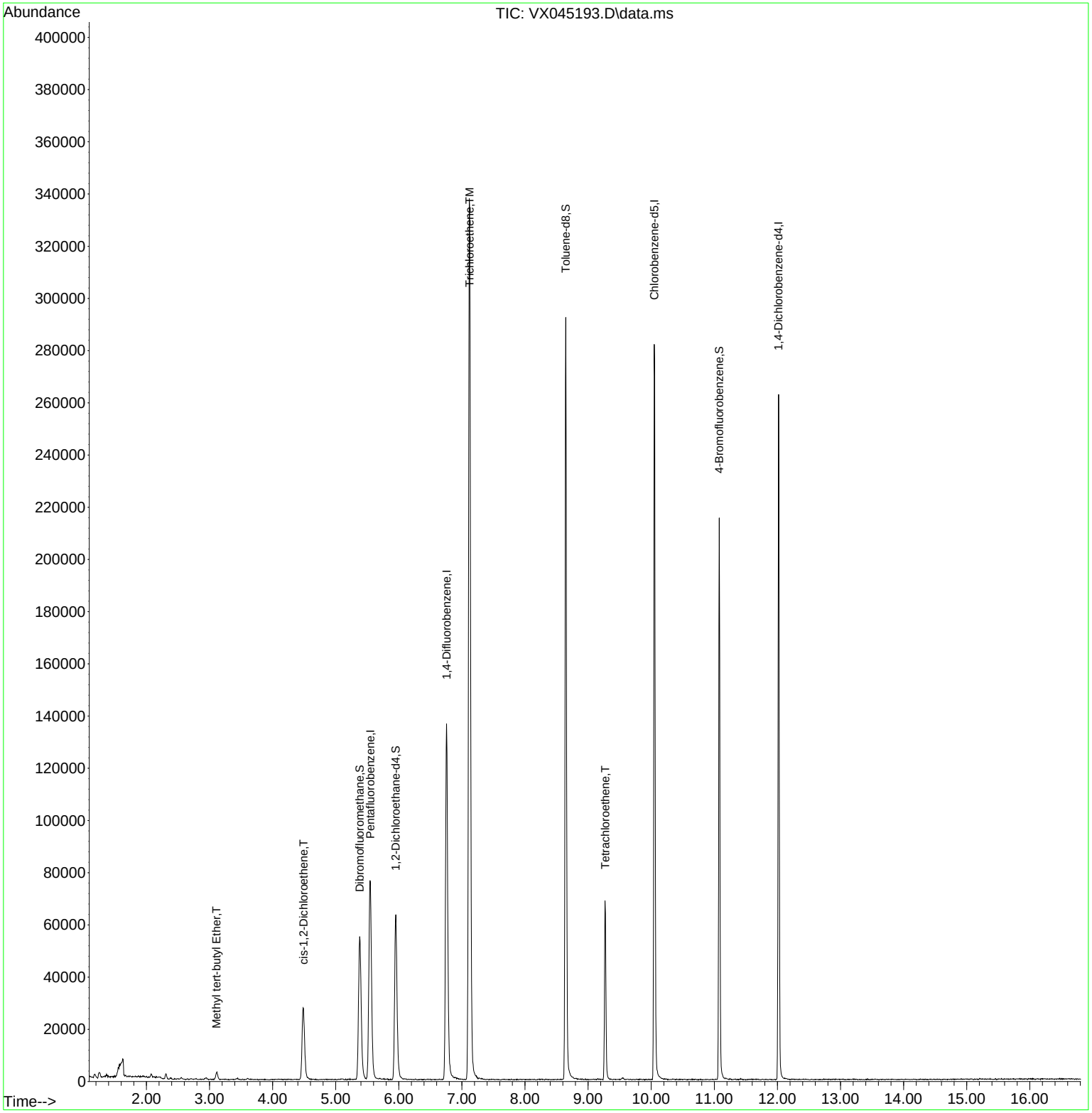
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	71208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139400	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59385	52.429	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.860%			
35) Dibromofluoromethane	5.379	113	47655	51.125	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.240%			
50) Toluene-d8	8.647	98	172996	51.193	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.380%			
62) 4-Bromofluorobenzene	11.079	95	56985	50.889	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.780%			
Target Compounds						Qvalue
19) Methyl tert-butyl Ether	3.111	73	2677	0.912	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	17163	16.084	ug/l	98
44) Trichloroethene	7.123	130	130424	137.601	ug/l	98
64) Tetrachloroethene	9.275	164	12649	15.736	ug/l	95

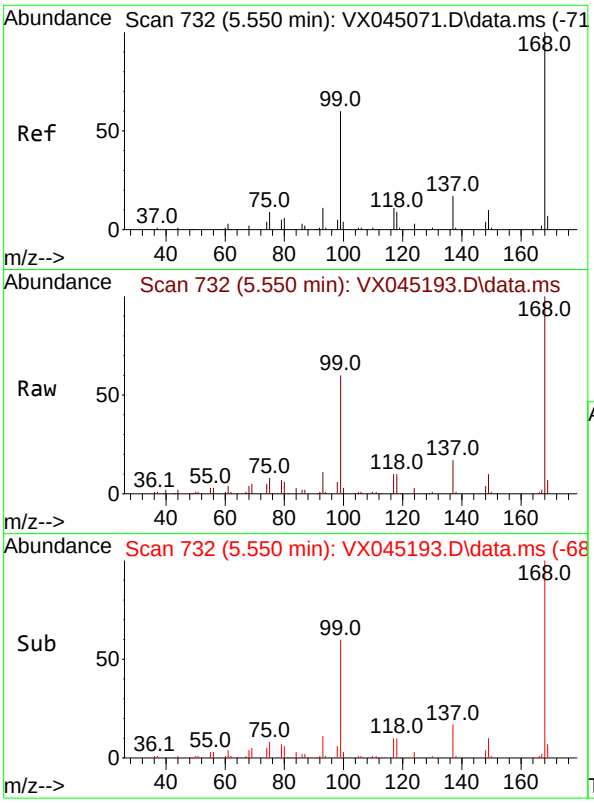
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045193.D
Acq On : 10 Mar 2025 14:06
Operator : JC/MD
Sample : Q1500-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250305

Quant Time: Mar 11 03:55:34 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



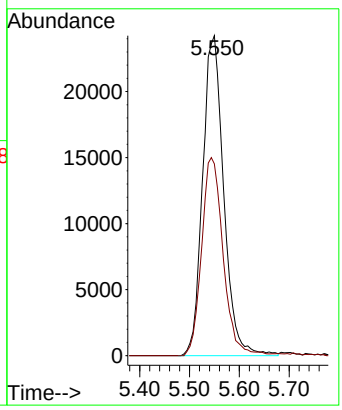


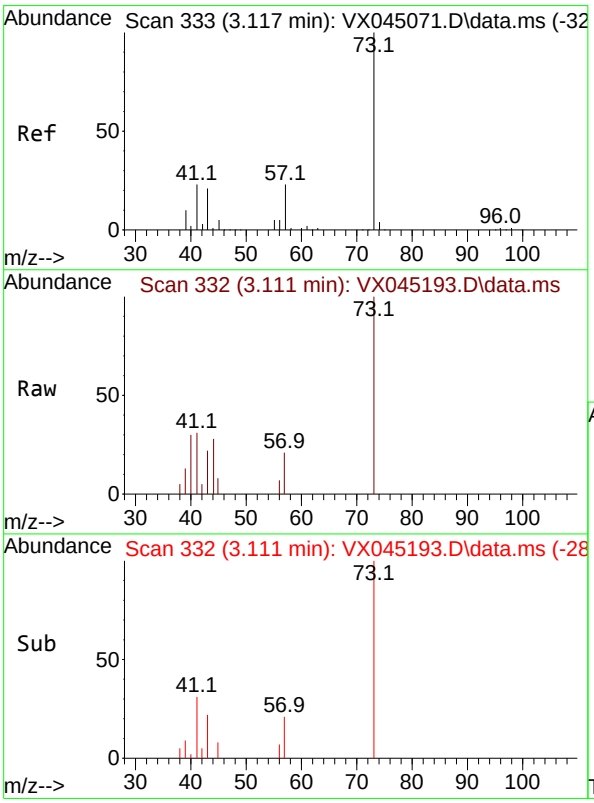
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250305

Tgt Ion:168 Resp: 71208

Ion	Ratio	Lower	Upper
168	100		
99	60.0	48.2	72.4

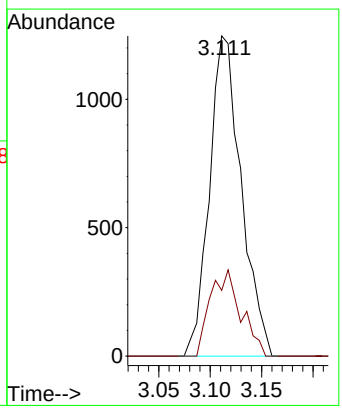


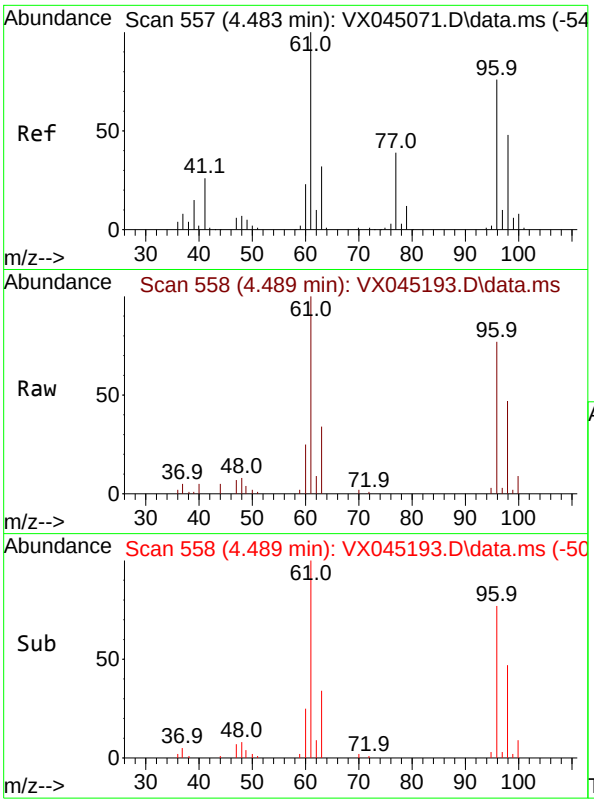


#19
Methyl tert-butyl Ether
Concen: 0.912 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Tgt Ion: 73 Resp: 2677

Ion	Ratio	Lower	Upper
73	100		
57	20.5	18.5	27.7



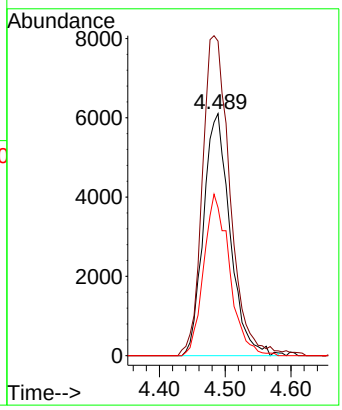


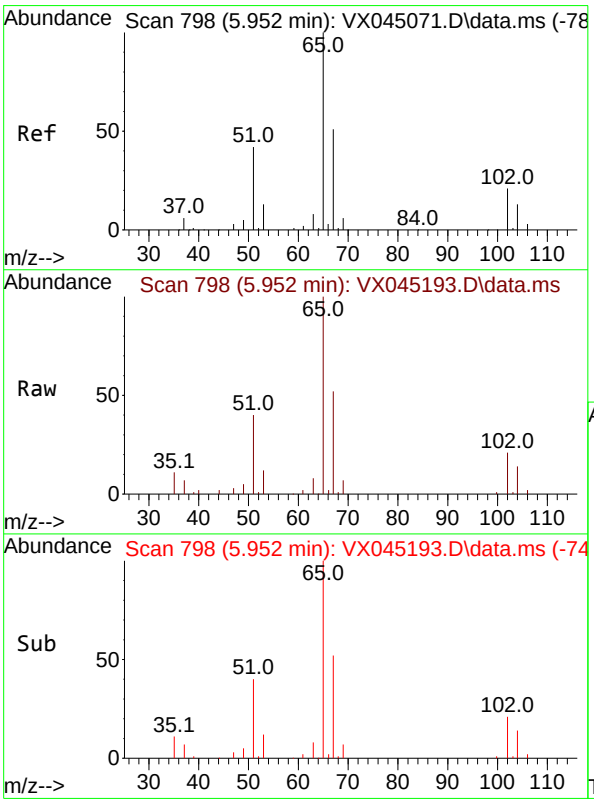
#27
cis-1,2-Dichloroethene
Concen: 16.084 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250305

Tgt Ion: 96 Resp: 17163

Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	283.2
98	65.1	0.0	128.0

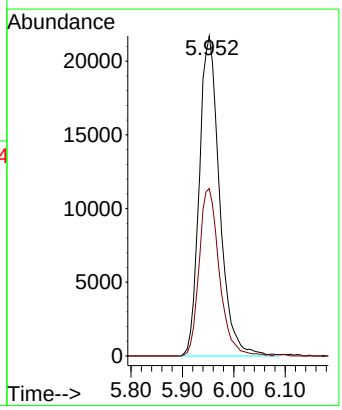


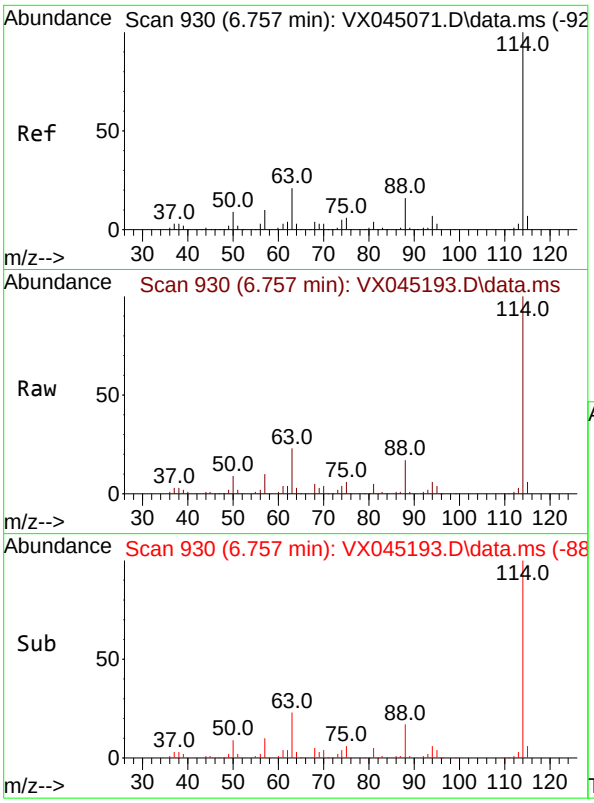


#33
1,2-Dichloroethane-d4
Concen: 52.429 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Tgt Ion: 65 Resp: 59385

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	106.2



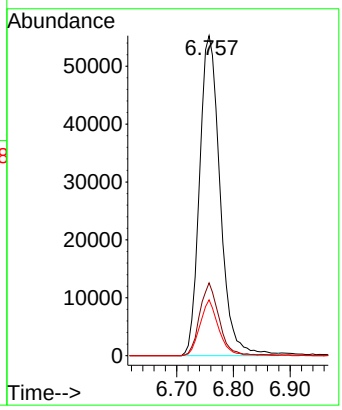


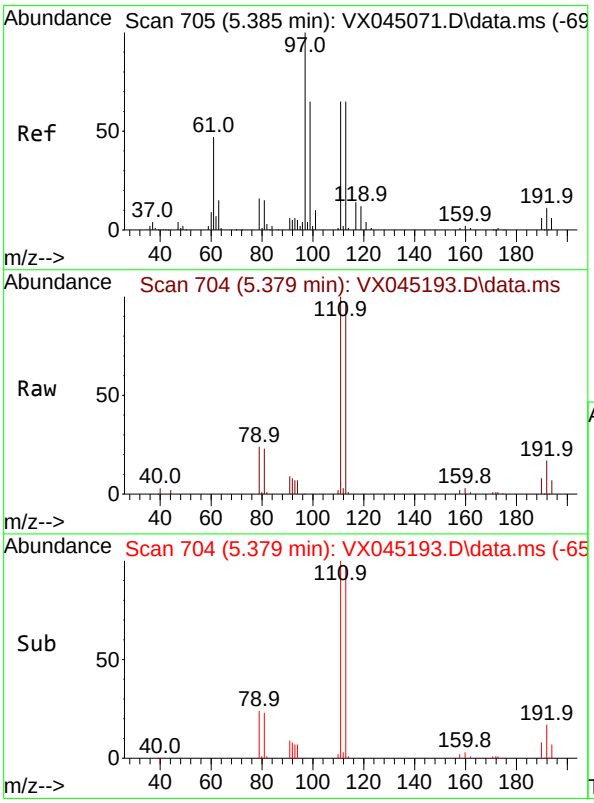
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250305

Tgt Ion:114 Resp: 139400

Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	41.8
88	17.5	0.0	32.8

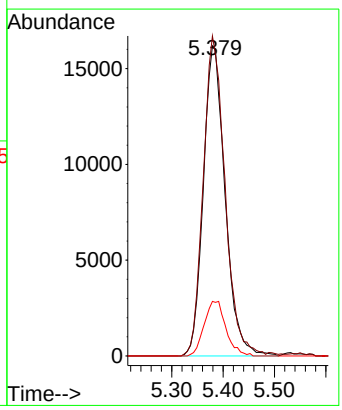


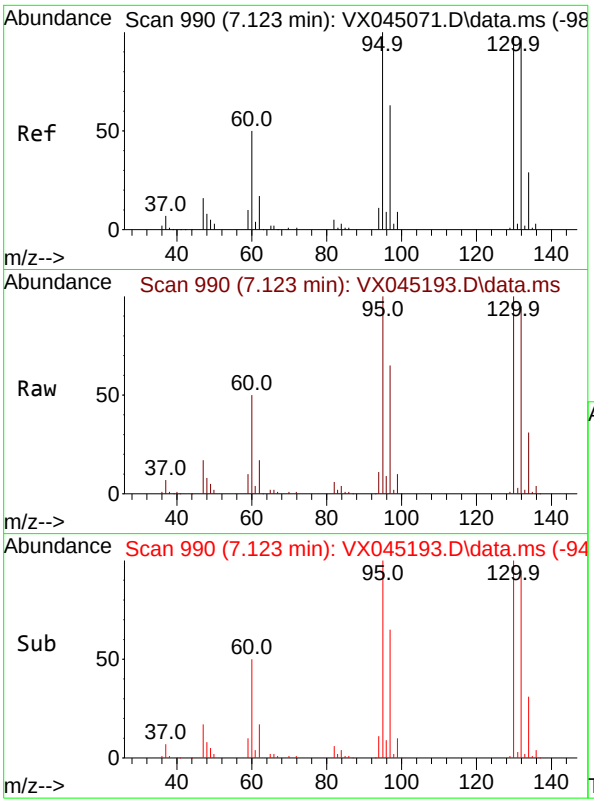


#35
Dibromofluoromethane
Concen: 51.125 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Tgt Ion:113 Resp: 47655

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.6
192	17.7	14.3	21.5



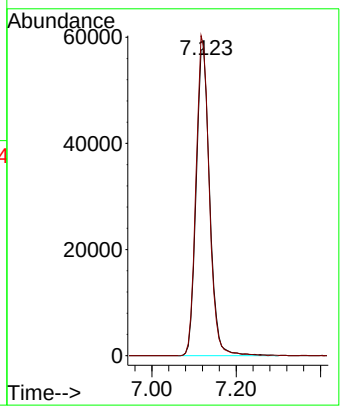


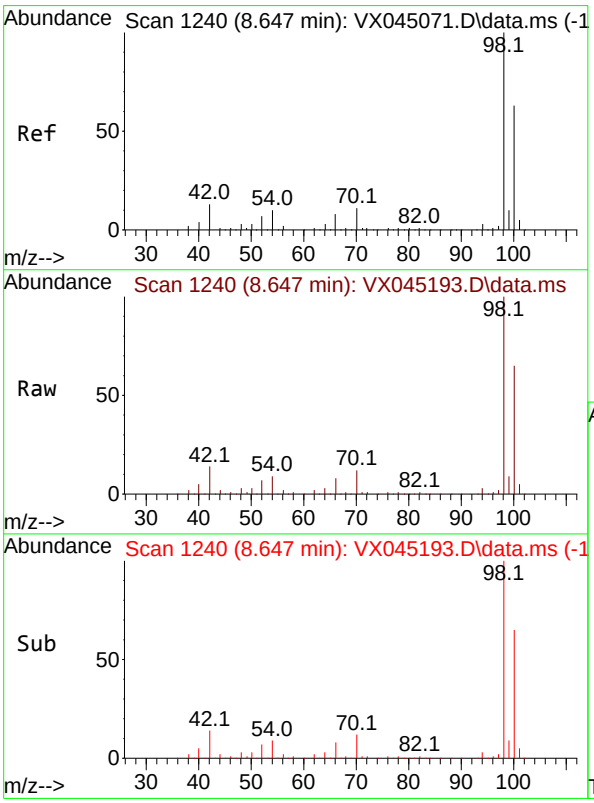
#44
Trichloroethene
Concen: 137.601 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250305

Tgt Ion:130 Resp: 130424

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	205.0

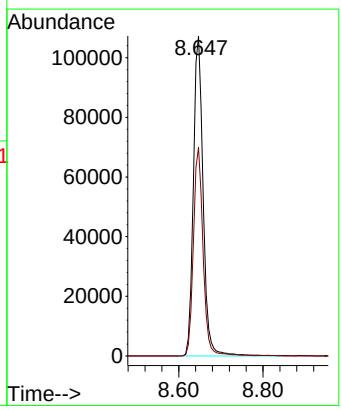


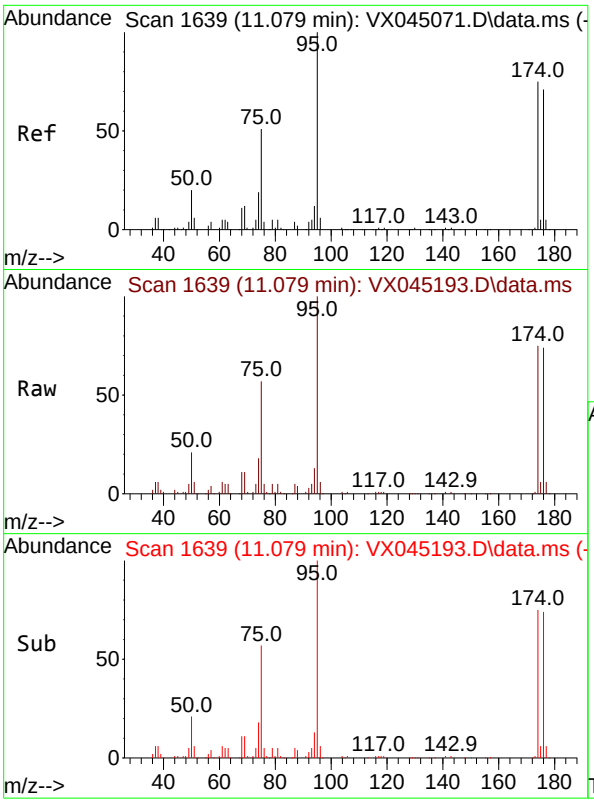


#50
Toluene-d8
Concen: 51.193 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Tgt Ion: 98 Resp: 172996

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0



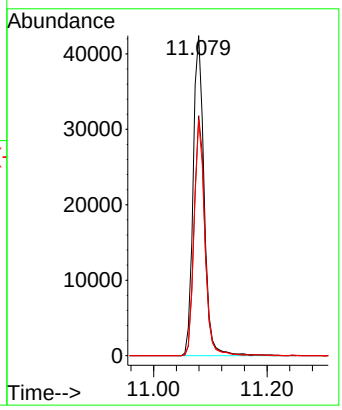


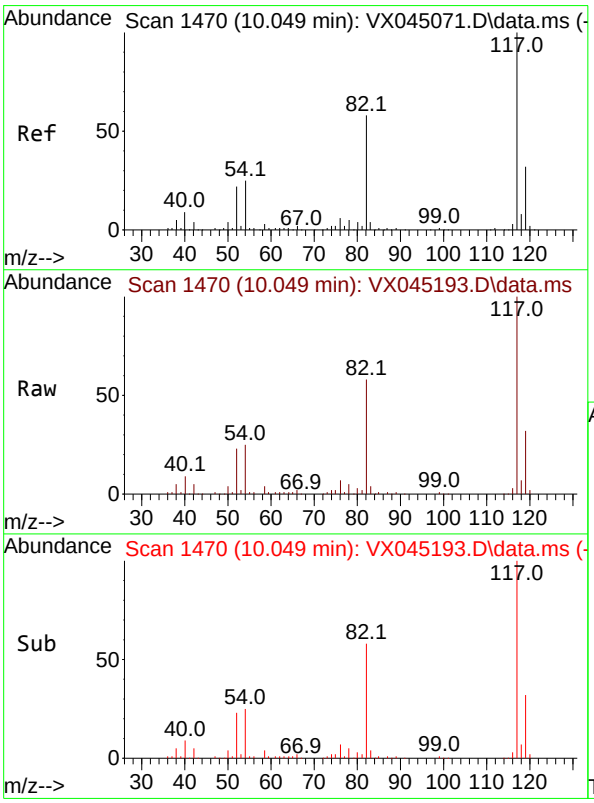
#62
4-Bromofluorobenzene
Concen: 50.889 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250305

Tgt Ion: 95 Resp: 56985

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	148.2
176	71.0	0.0	141.4

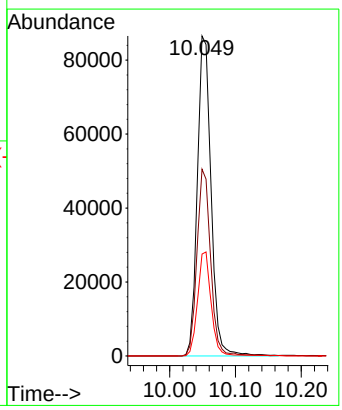


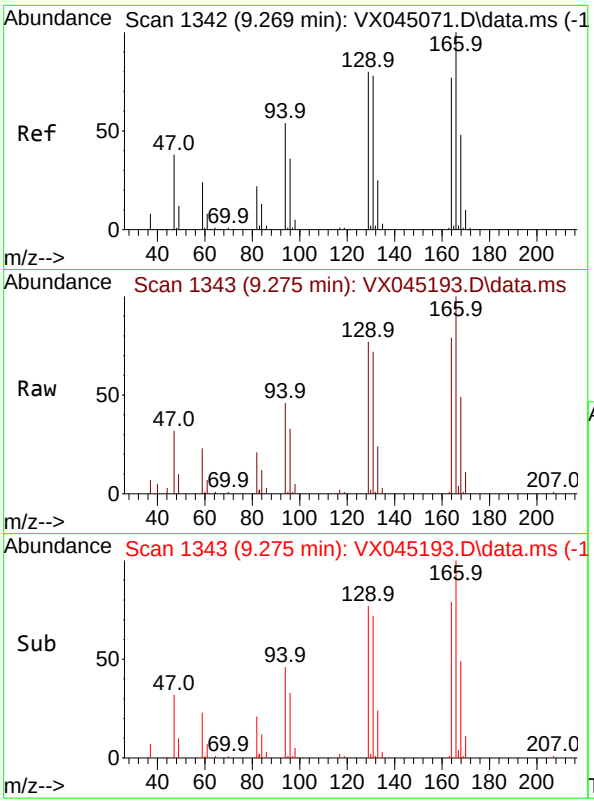


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Tgt Ion:117 Resp: 125505

Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.3	69.5
119	31.8	25.7	38.5



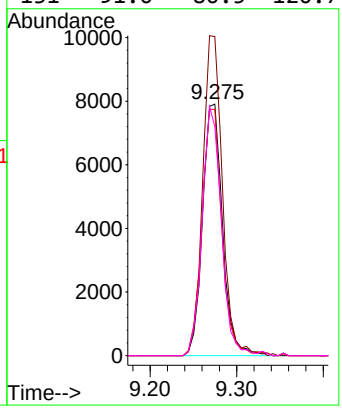


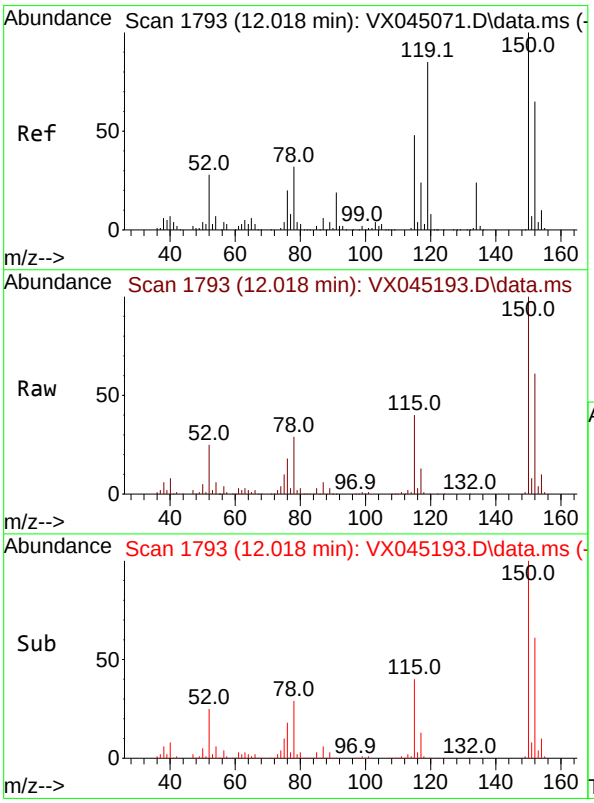
#64
Tetrachloroethene
Concen: 15.736 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20250305

Tgt Ion:164 Resp: 12649

Ion	Ratio	Lower	Upper
164	100		
166	126.9	103.6	155.4
129	97.9	82.7	124.1
131	91.0	80.5	120.7

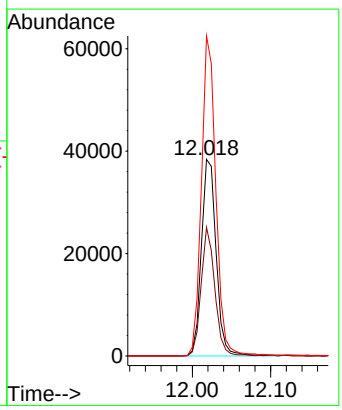




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045193.D
Acq: 10 Mar 2025 14:06

Tgt Ion:152 Resp: 50384

Ion	Ratio	Lower	Upper
152	100		
115	60.6	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:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW179D2-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-06	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
VX045194.D	1		03/10/25 14:29	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.50		0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.50	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	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	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	10.2		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX045194.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW179D2-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-06	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
VX045194.D	1		03/10/25 14:29	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	2.10		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.5		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.1		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	70300	5.544				
540-36-3	1,4-Difluorobenzene	142000	6.757				
3114-55-4	Chlorobenzene-d5	133000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	58600	12.018				

Raw Data: **VX045194.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW179D2-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-06	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
VX045194.D	1		03/10/25 14:29	VX031025

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\VX031025\
Data File : VX045194.D
Acq On : 10 Mar 2025 14:29
Operator : JC/MD
Sample : Q1500-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250305

Quant Time: Mar 11 03:56:04 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

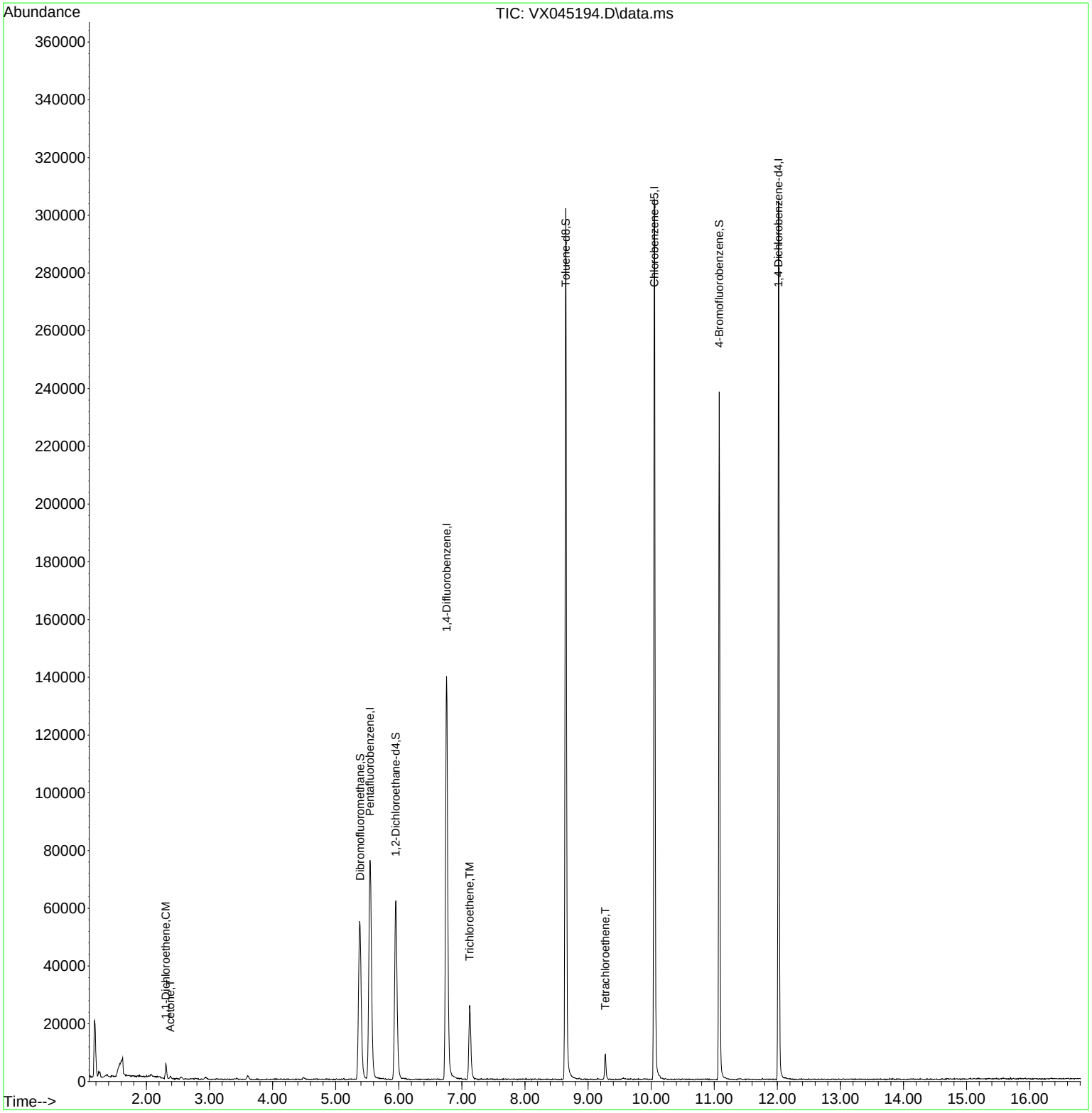
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	70271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141703	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58640	52.462	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.920%			
35) Dibromofluoromethane	5.385	113	48480	51.165	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.320%			
50) Toluene-d8	8.647	98	175387	51.057	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.120%			
62) 4-Bromofluorobenzene	11.079	95	62634	55.024	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.040%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.307	96	1331	1.541	ug/l	94
16) Acetone	2.380	43	771	1.487	ug/l	96
44) Trichloroethene	7.123	130	9818	10.190	ug/l	93
64) Tetrachloroethene	9.275	164	1767	2.073	ug/l	92

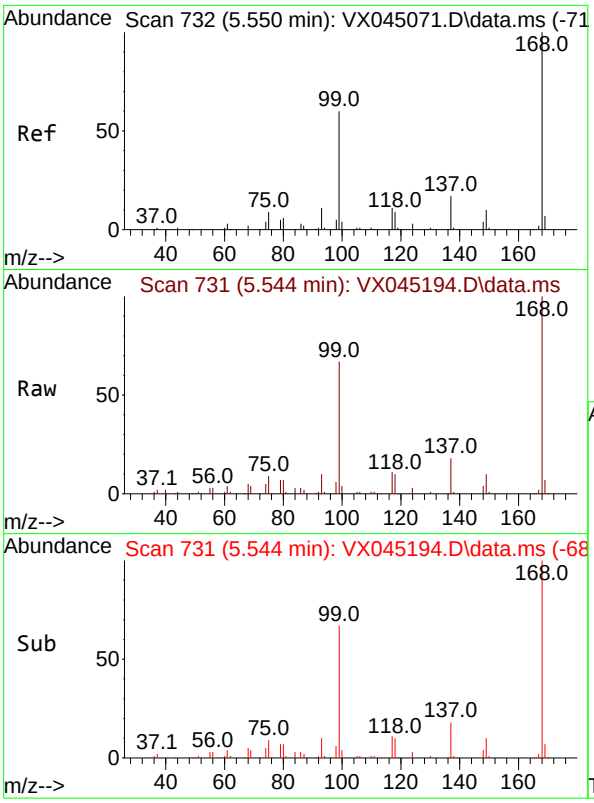
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045194.D
Acq On : 10 Mar 2025 14:29
Operator : JC/MD
Sample : Q1500-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250305

Quant Time: Mar 11 03:56:04 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



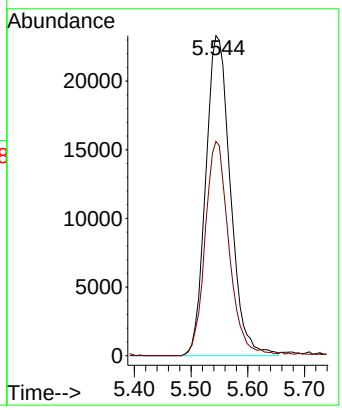


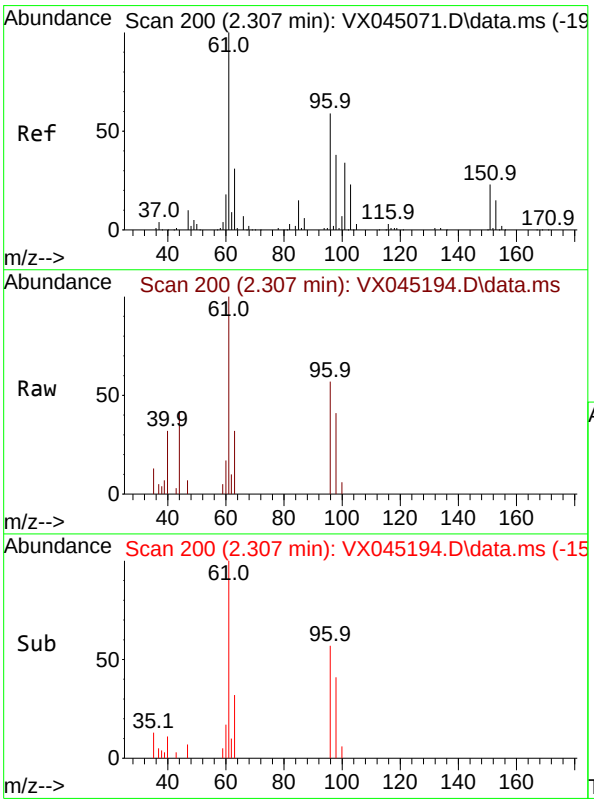
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250305

Tgt Ion:168 Resp: 70271

Ion	Ratio	Lower	Upper
168	100		
99	67.0	48.2	72.4

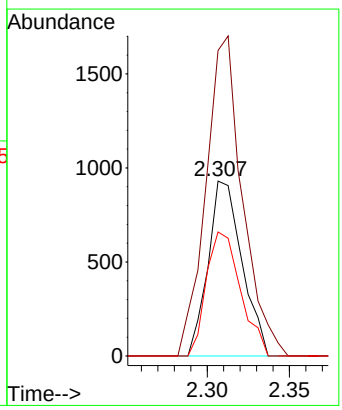


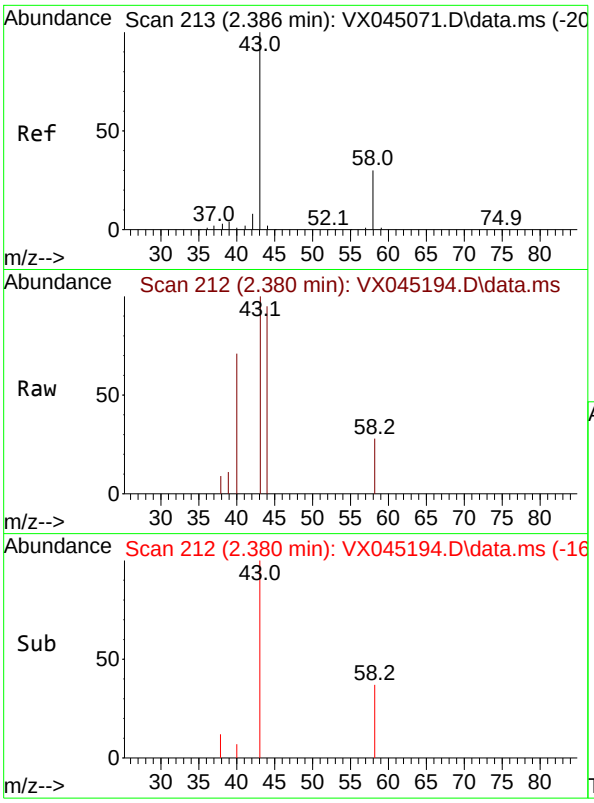


#12
1,1-Dichloroethene
Concen: 1.541 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Tgt Ion: 96 Resp: 1331

Ion	Ratio	Lower	Upper
96	100		
61	174.7	134.6	202.0
98	71.0	51.0	76.6



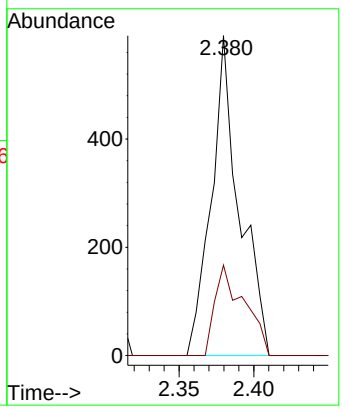


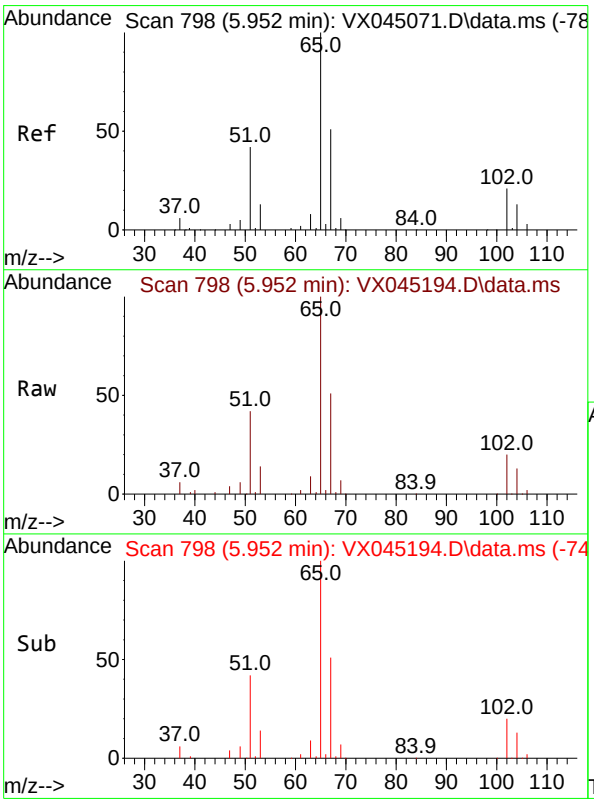
#16
Acetone
Concen: 1.487 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250305

Tgt Ion: 43 Resp: 771

Ion	Ratio	Lower	Upper
43	100		
58	28.3	24.2	36.4

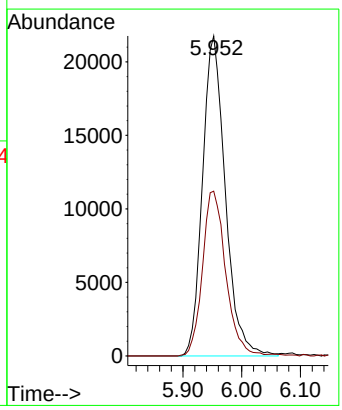


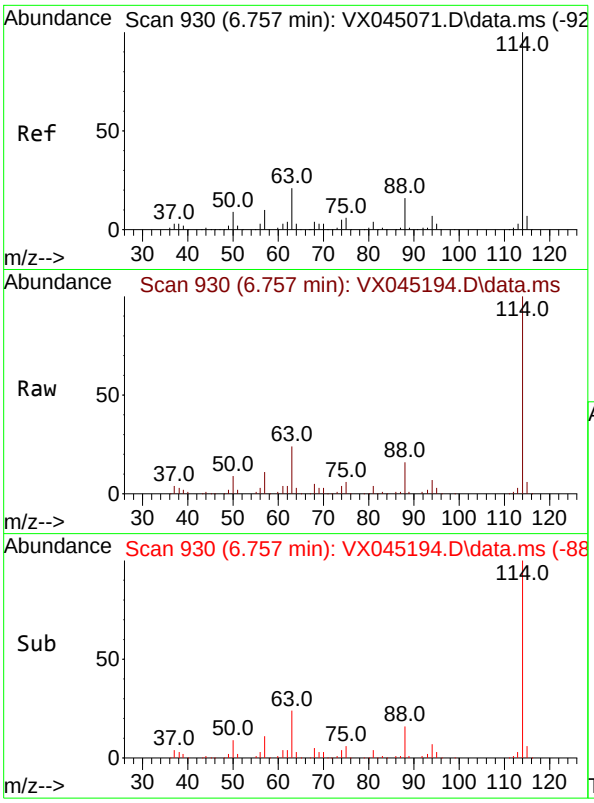


#33
1,2-Dichloroethane-d4
Concen: 52.462 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Tgt Ion: 65 Resp: 58640

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2



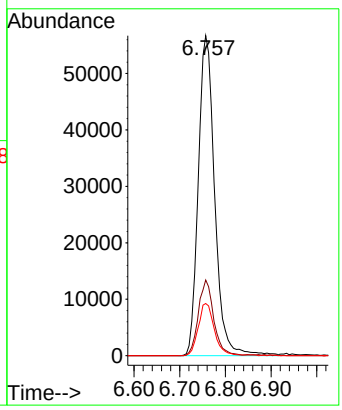


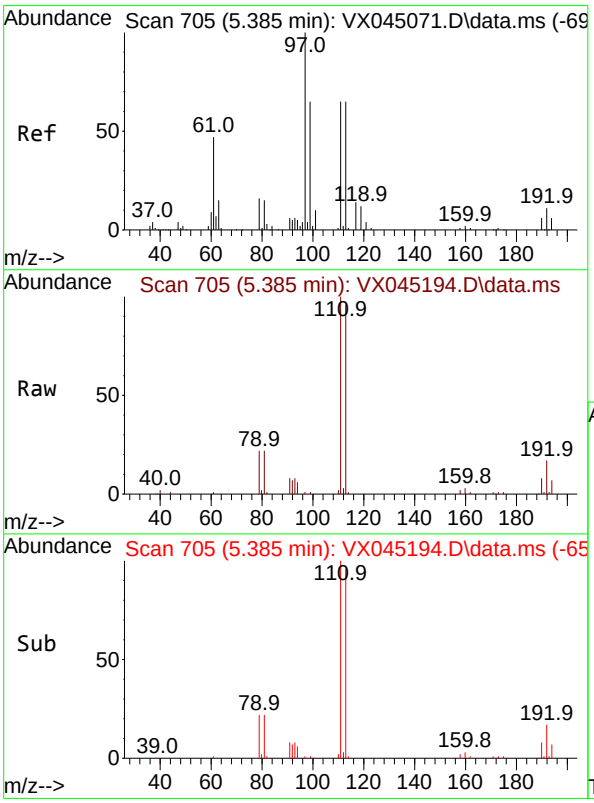
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250305

Tgt Ion:114 Resp: 141703

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

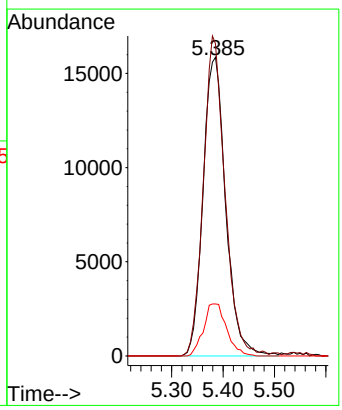


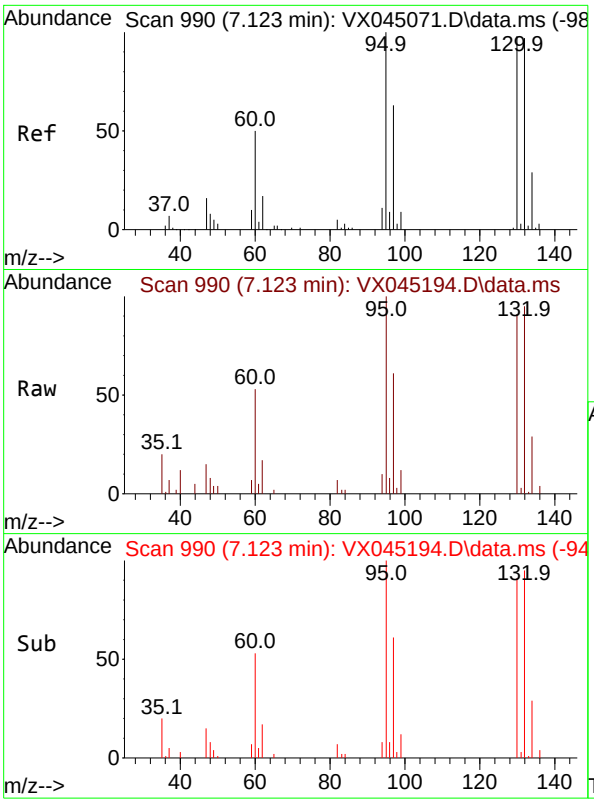


#35
Dibromofluoromethane
Concen: 51.165 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Tgt Ion:113 Resp: 48480

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.7	14.3	21.5



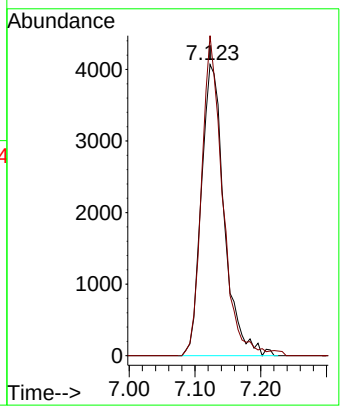


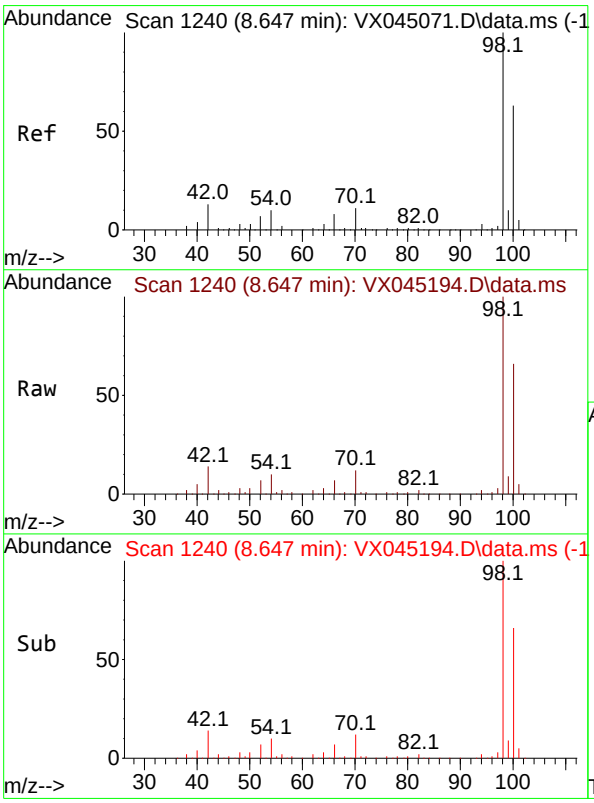
#44
Trichloroethene
Concen: 10.190 ug/l
RT: 7.123 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250305

Tgt Ion:130 Resp: 9818

Ion	Ratio	Lower	Upper
130	100		
95	109.9	0.0	205.0

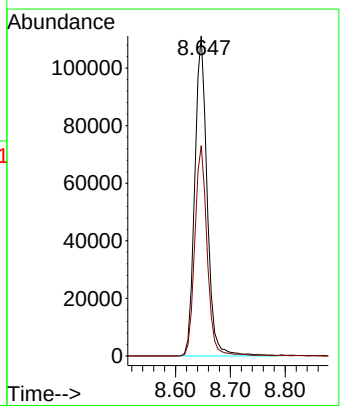


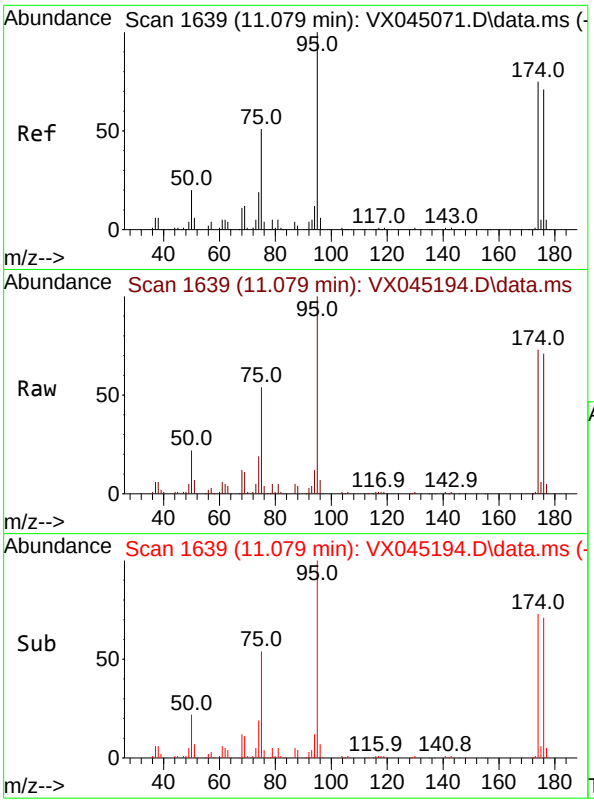


#50
Toluene-d8
Concen: 51.057 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Tgt Ion: 98 Resp: 175387

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0



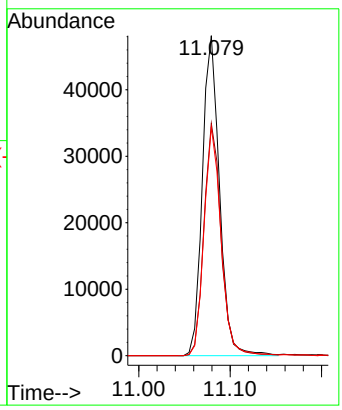


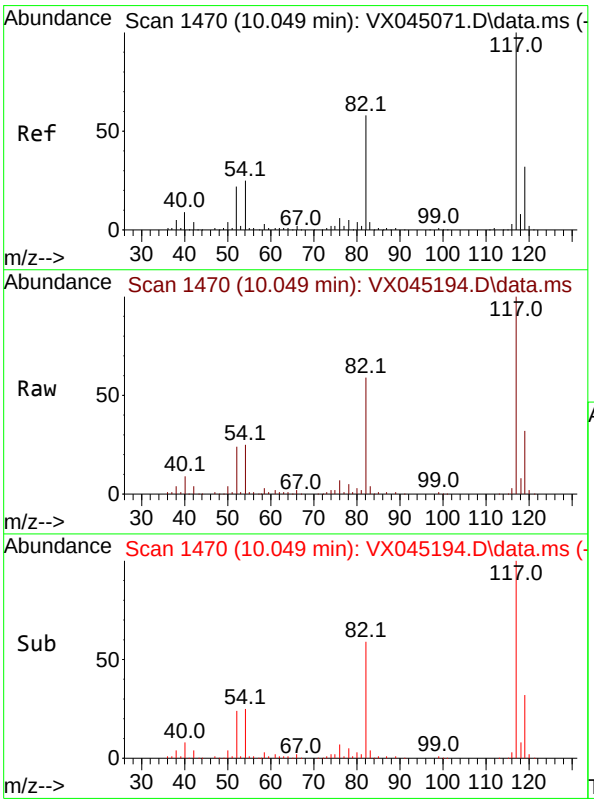
#62
4-Bromofluorobenzene
Concen: 55.024 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250305

Tgt Ion: 95 Resp: 62634

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	148.2
176	70.8	0.0	141.4

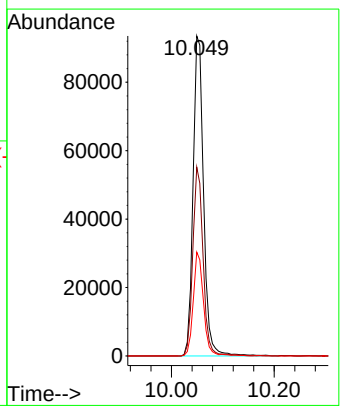


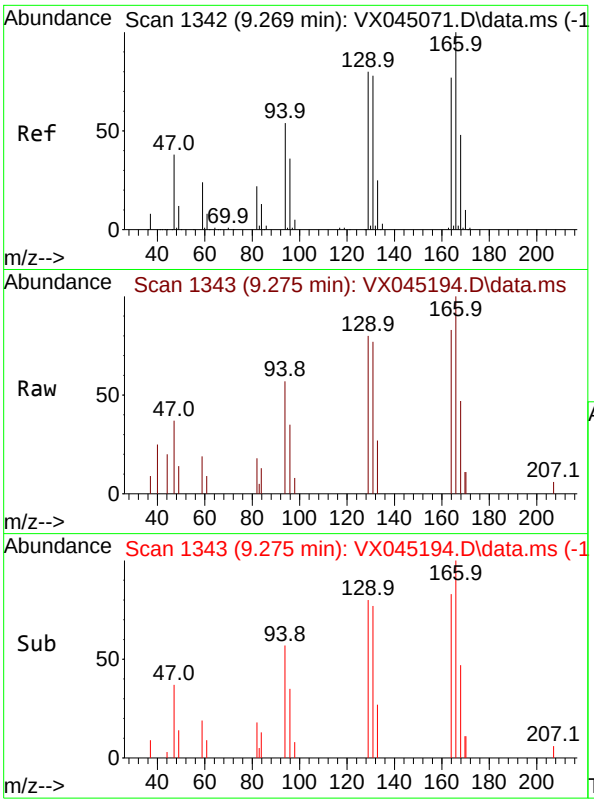


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Tgt Ion:117 Resp: 133082

Ion	Ratio	Lower	Upper
117	100		
82	59.0	46.3	69.5
119	32.4	25.7	38.5



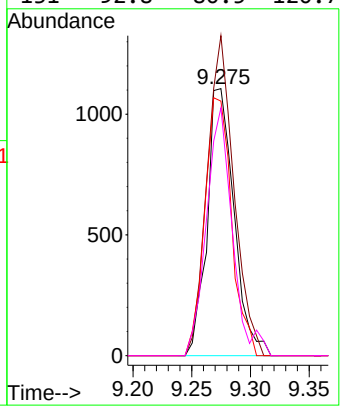


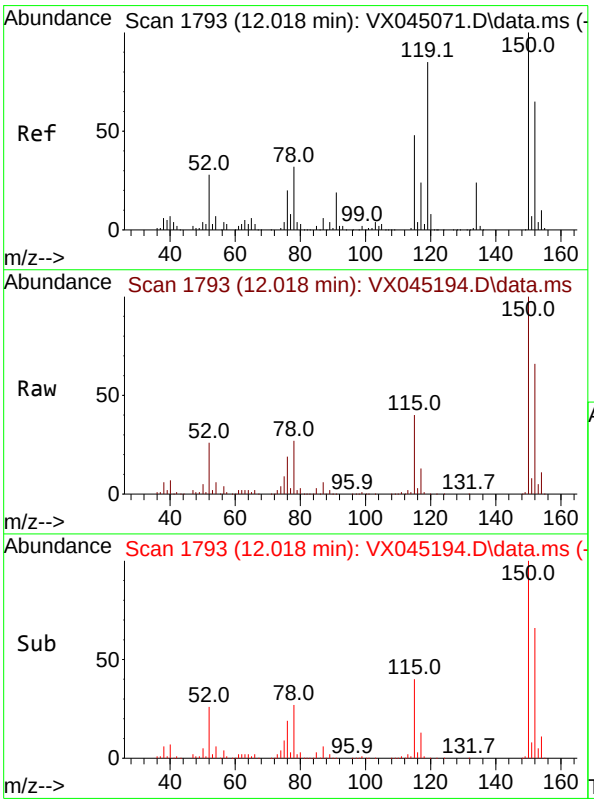
#64
Tetrachloroethene
Concen: 2.073 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20250305

Tgt Ion:164 Resp: 1767

Ion	Ratio	Lower	Upper
164	100		
166	119.8	103.6	155.4
129	95.3	82.7	124.1
131	92.8	80.5	120.7

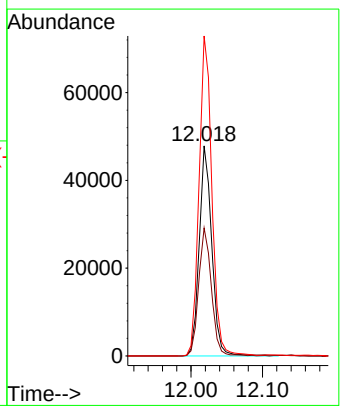




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045194.D
Acq: 10 Mar 2025 14:29

Tgt Ion:152 Resp: 58595

Ion	Ratio	Lower	Upper
152	100		
115	61.6	44.2	132.6
150	155.0	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:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW179D-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-07	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
VX045195.D	1		03/10/25 14:53	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	1.80	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.70		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	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	50.0		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	180	E	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX045195.D**

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Fax : 908 789 8922

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW179D-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-07	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
VX045195.D	1		03/10/25 14:53	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	13.1		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.8		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.6		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	74900	5.55				
540-36-3	1,4-Difluorobenzene	148000	6.757				
3114-55-4	Chlorobenzene-d5	137000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	56000	12.018				

Raw Data: **VX045195.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW179D-20250305	SDG No.:	Q1500
Lab Sample ID:	Q1500-07	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
VX045195.D	1		03/10/25 14:53	VX031025

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\VX031025\
Data File : VX045195.D
Acq On : 10 Mar 2025 14:53
Operator : JC/MD
Sample : Q1500-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

Quant Time: Mar 11 03:56:32 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

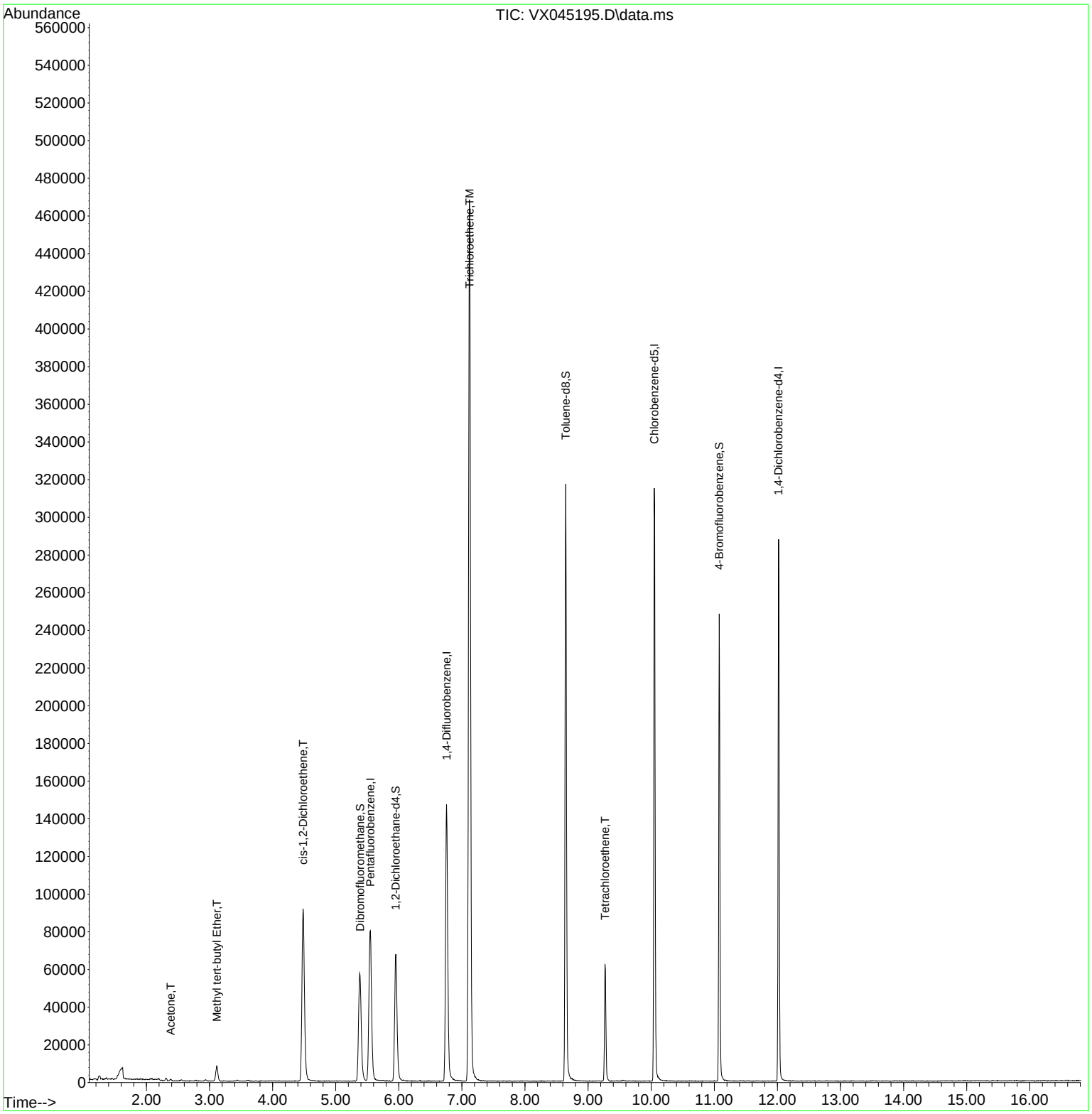
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	74943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	148068	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62897	52.762	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.520%			
35) Dibromofluoromethane	5.385	113	51044	51.555	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.100%			
50) Toluene-d8	8.647	98	185339	51.635	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.260%			
62) 4-Bromofluorobenzene	11.079	95	62654	52.676	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.360%			
Target Compounds						Qvalue
16) Acetone	2.386	43	980	1.772	ug/l #	79
19) Methyl tert-butyl Ether	3.117	73	8469	2.741	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	56193	50.035	ug/l	96
44) Trichloroethene	7.123	130	178887	177.682	ug/l	98
64) Tetrachloroethene	9.269	164	11463	13.058	ug/l	97

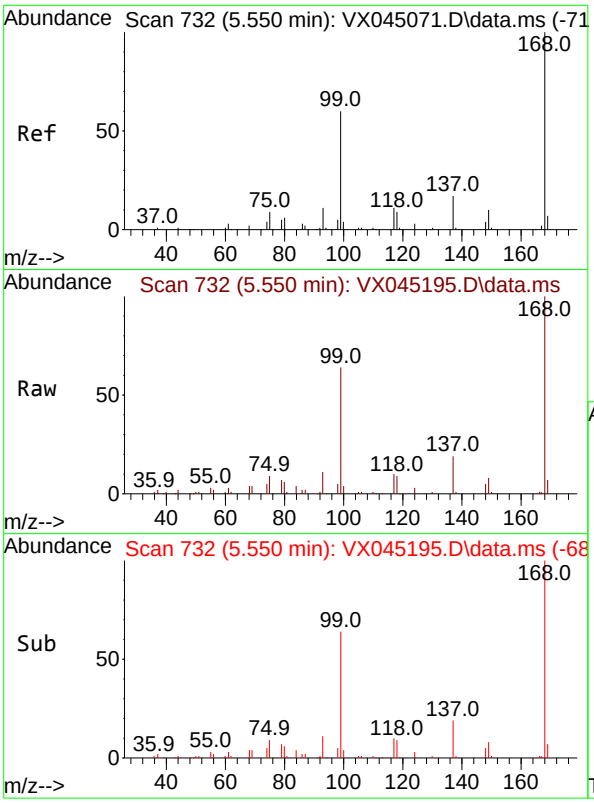
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045195.D
Acq On : 10 Mar 2025 14:53
Operator : JC/MD
Sample : Q1500-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

Quant Time: Mar 11 03:56:32 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



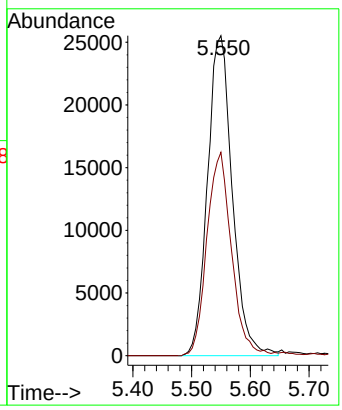


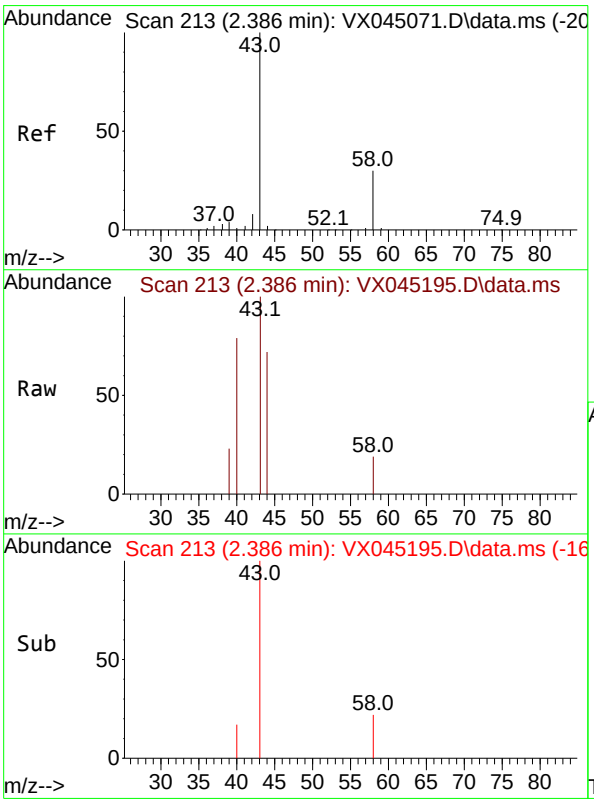
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

Tgt Ion:168 Resp: 74943

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.2	72.4

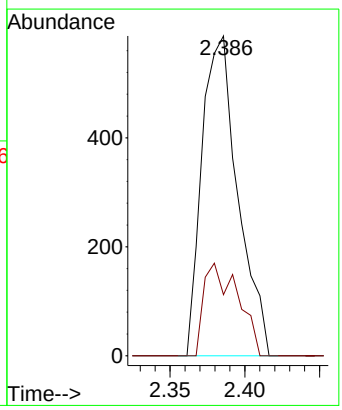


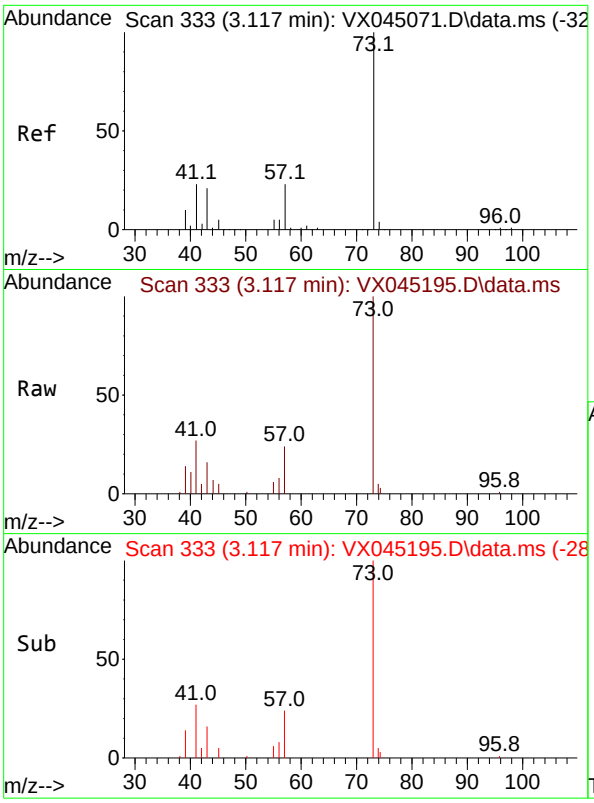


#16
Acetone
Concen: 1.772 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Tgt Ion: 43 Resp: 980

Ion	Ratio	Lower	Upper
43	100		
58	19.1	24.2	36.4#



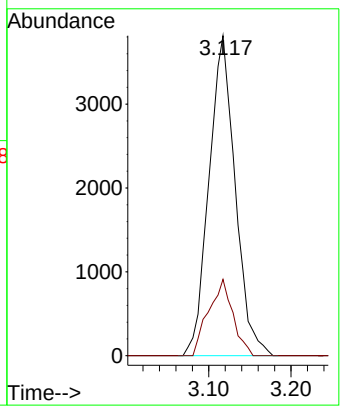


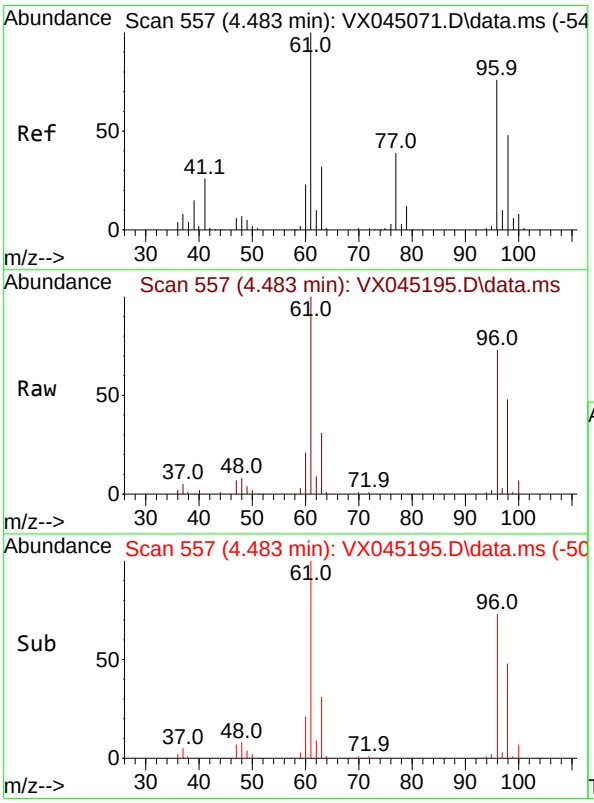
#19
Methyl tert-butyl Ether
Concen: 2.741 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

Tgt Ion: 73 Resp: 8469

Ion	Ratio	Lower	Upper
73	100		
57	23.9	18.5	27.7

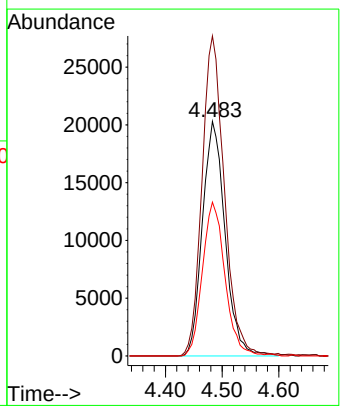


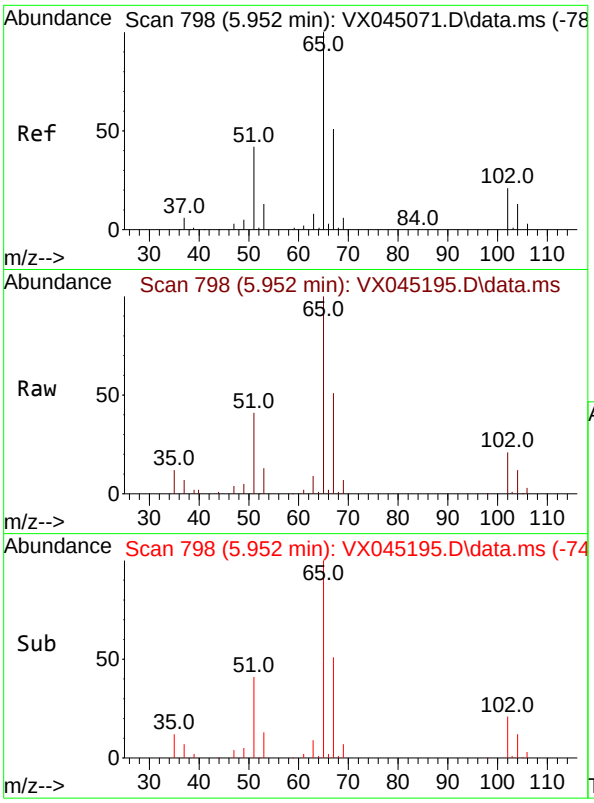


#27
cis-1,2-Dichloroethene
Concen: 50.035 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Tgt Ion: 96 Resp: 56193

Ion	Ratio	Lower	Upper
96	100		
61	135.0	0.0	283.2
98	65.2	0.0	128.0



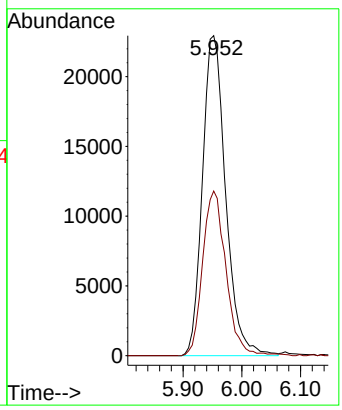


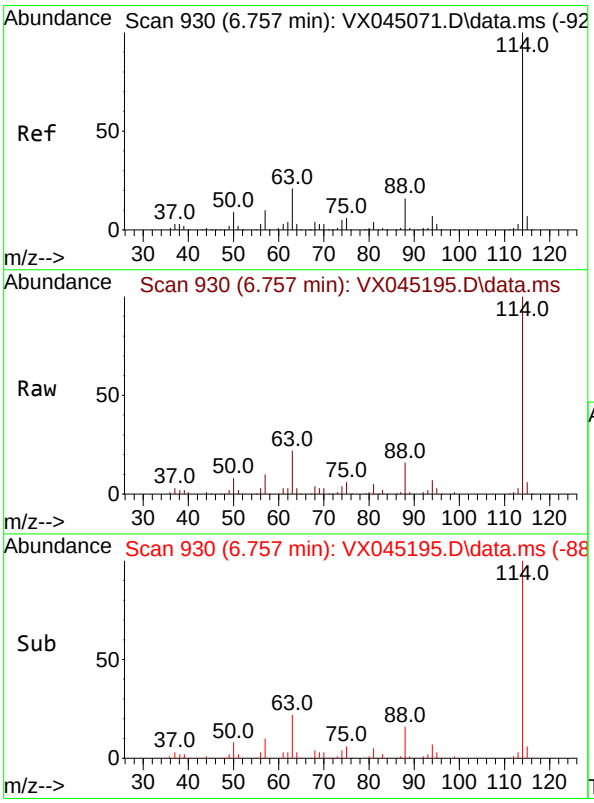
#33
1,2-Dichloroethane-d4
Concen: 52.762 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

Tgt Ion: 65 Resp: 62897

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.2

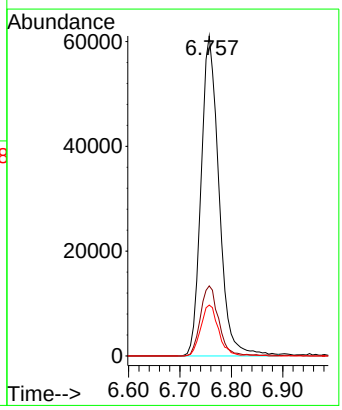


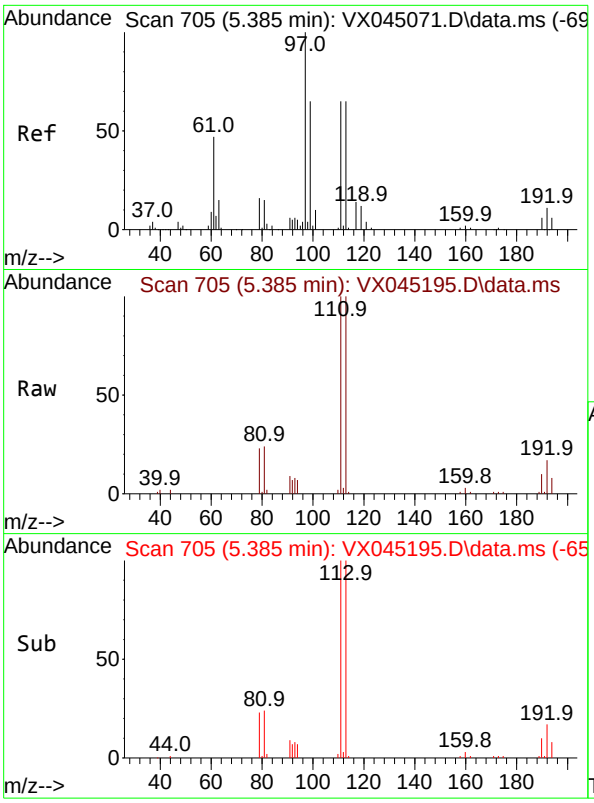


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Tgt Ion:114 Resp: 148068

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	41.8
88	15.9	0.0	32.8



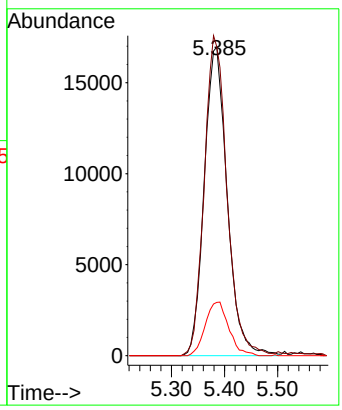


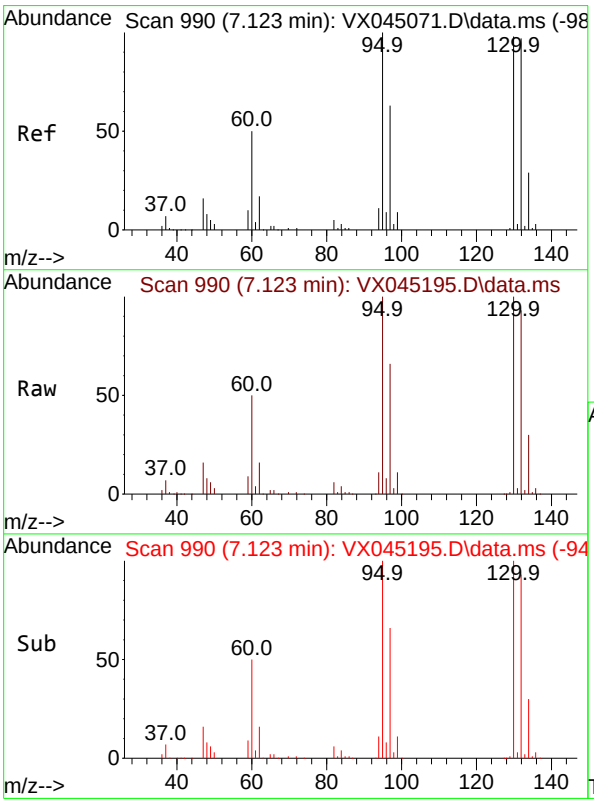
#35
Dibromofluoromethane
Concen: 51.555 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

Tgt Ion:113 Resp: 51044

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	17.8	14.3	21.5

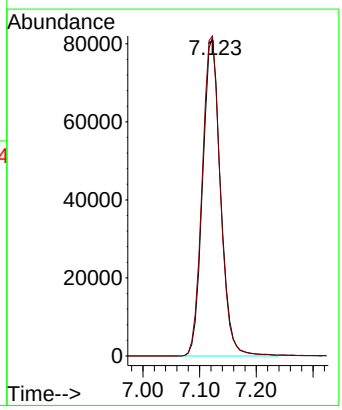


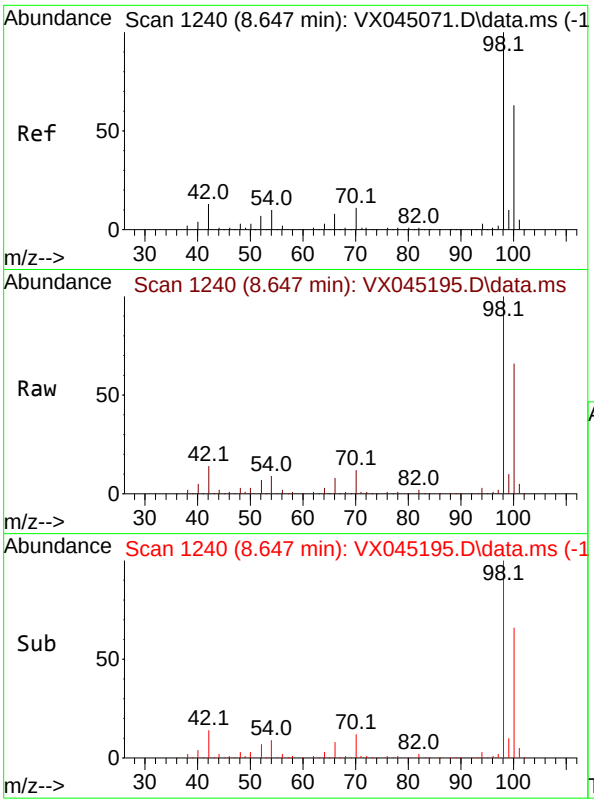


#44
Trichloroethene
Concen: 177.682 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Tgt Ion:130 Resp: 178887

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	205.0



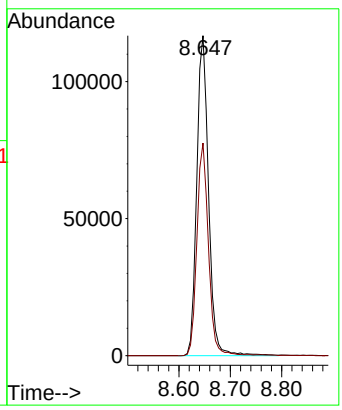


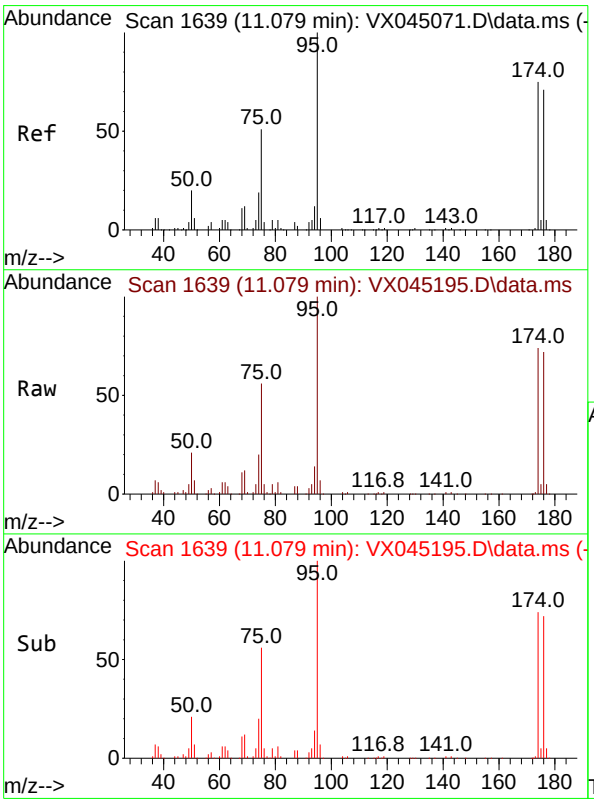
#50
Toluene-d8
Concen: 51.635 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

Tgt Ion: 98 Resp: 185339

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0

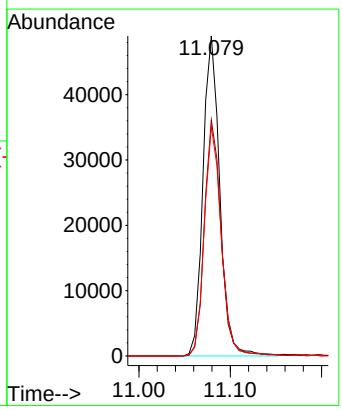


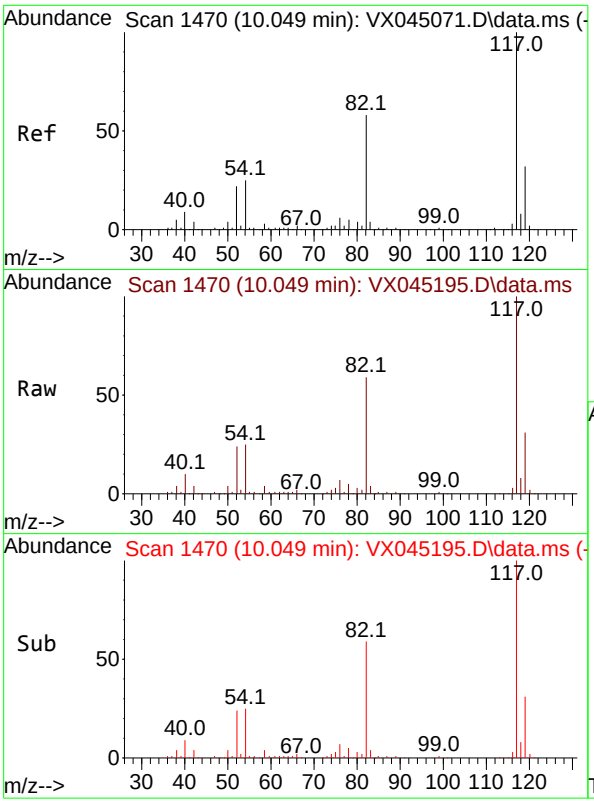


#62
4-Bromofluorobenzene
Concen: 52.676 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Tgt Ion: 95 Resp: 62654

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	148.2
176	72.5	0.0	141.4



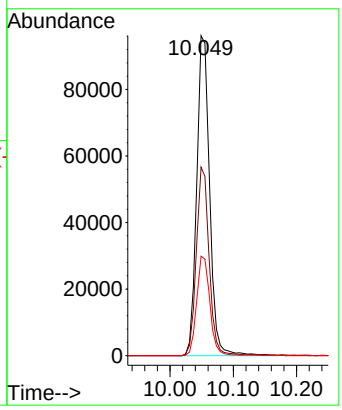


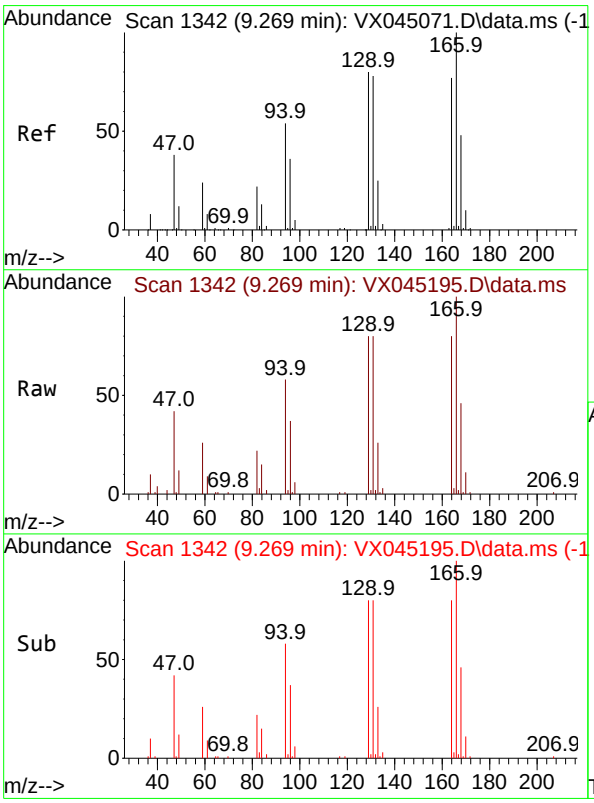
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

Tgt Ion:117 Resp: 137062

Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.3	69.5
119	31.1	25.7	38.5

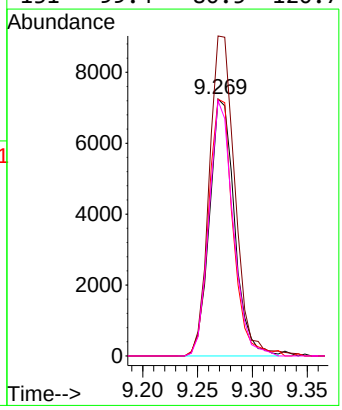


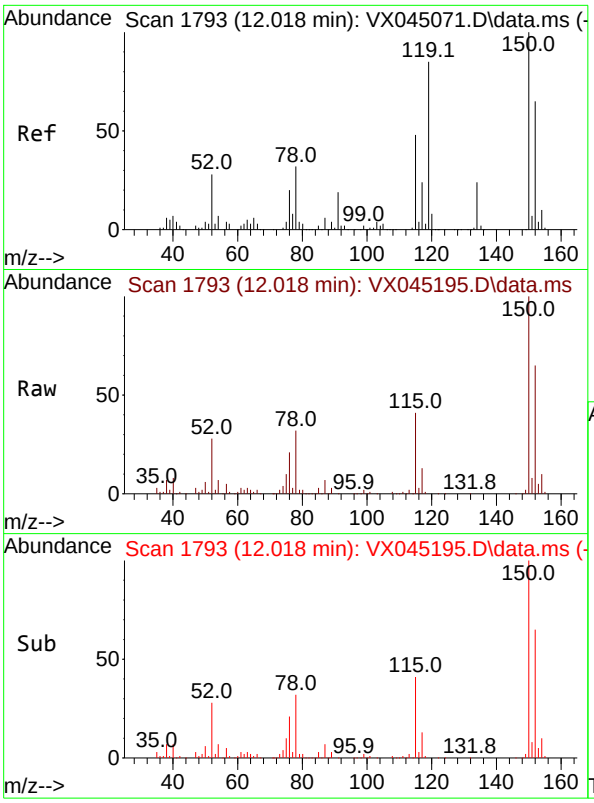


#64
Tetrachloroethene
Concen: 13.058 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Tgt Ion:164 Resp: 11463

Ion	Ratio	Lower	Upper
164	100		
166	124.5	103.6	155.4
129	99.9	82.7	124.1
131	99.4	80.5	120.7



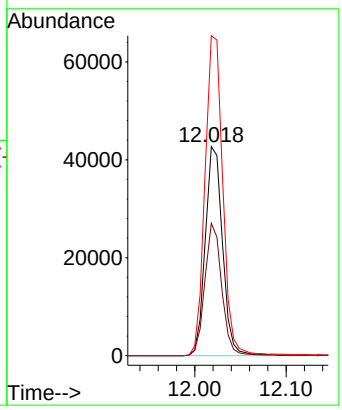


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045195.D
Acq: 10 Mar 2025 14:53

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305

Tgt Ion:152 Resp: 56025

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.2	132.6
150	158.4	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:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW179D-20250305DL	SDG No.:	Q1500
Lab Sample ID:	Q1500-07DL	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
VX045218.D	4		03/11/25 12:50	VX031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.00	UD	0.84	2.00	4.00	ug/L
74-87-3	Chloromethane	2.00	UD	1.40	2.00	4.00	ug/L
75-01-4	Vinyl Chloride	3.00	UD	1.40	3.00	4.00	ug/L
74-83-9	Bromomethane	15.0	UD	5.40	15.0	20.0	ug/L
75-00-3	Chloroethane	3.00	UD	2.20	3.00	4.00	ug/L
75-69-4	Trichlorofluoromethane	2.00	UD	1.40	2.00	4.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.00	UD	1.00	2.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	3.00	UD	1.00	3.00	4.00	ug/L
67-64-1	Acetone	15.0	UD	5.60	15.0	20.0	ug/L
75-15-0	Carbon Disulfide	3.00	UD	1.30	3.00	4.00	ug/L
1634-04-4	Methyl tert-butyl Ether	2.70	JD	0.64	2.00	4.00	ug/L
79-20-9	Methyl Acetate	3.00	UD	2.40	3.00	4.00	ug/L
75-09-2	Methylene Chloride	2.00	UD	1.30	2.00	4.00	ug/L
156-60-5	trans-1,2-Dichloroethene	2.00	UD	1.00	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	6.50	10.0	20.0	ug/L
78-93-3	2-Butanone	10.0	UD	5.20	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	54.7	D	1.00	3.00	4.00	ug/L
74-97-5	Bromochloromethane	2.00	UD	0.72	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	0.76	2.00	4.00	ug/L
108-87-2	Methylcyclohexane	2.00	UD	0.76	2.00	4.00	ug/L
71-43-2	Benzene	2.00	UD	0.64	2.00	4.00	ug/L
107-06-2	1,2-Dichloroethane	2.00	UD	0.96	2.00	4.00	ug/L
79-01-6	Trichloroethene	190	D	1.30	3.00	4.00	ug/L
78-87-5	1,2-Dichloropropane	2.00	UD	0.76	2.00	4.00	ug/L
75-27-4	Bromodichloromethane	2.00	UD	0.96	2.00	4.00	ug/L
108-10-1	4-Methyl-2-Pentanone	10.0	UD	3.00	10.0	20.0	ug/L
108-88-3	Toluene	2.00	UD	0.72	2.00	4.00	ug/L

Raw Data: **VX045218.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW179D-20250305DL	SDG No.:	Q1500
Lab Sample ID:	Q1500-07DL	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
VX045218.D	4		03/11/25 12:50	VX031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.00	UD	0.84	2.00	4.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.00	UD	0.72	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	4.50	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	0.64	2.00	4.00	ug/L
127-18-4	Tetrachloroethene	14.2	D	1.00	2.00	4.00	ug/L
108-90-7	Chlorobenzene	2.00	UD	0.52	2.00	4.00	ug/L
100-41-4	Ethyl Benzene	2.00	UD	0.64	2.00	4.00	ug/L
179601-23-1	m/p-Xylenes	4.00	UD	1.20	4.00	8.00	ug/L
95-47-6	o-Xylene	2.00	UD	0.56	2.00	4.00	ug/L
100-42-5	Styrene	2.00	UD	0.64	2.00	4.00	ug/L
75-25-2	Bromoform	2.00	UD	0.84	2.00	4.00	ug/L
98-82-8	Isopropylbenzene	2.00	UD	0.52	2.00	4.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.00	UD	1.10	2.00	4.00	ug/L
541-73-1	1,3-Dichlorobenzene	2.00	UD	0.96	2.00	4.00	ug/L
106-46-7	1,4-Dichlorobenzene	2.00	UD	1.10	2.00	4.00	ug/L
95-50-1	1,2-Dichlorobenzene	2.00	UD	0.76	2.00	4.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	3.00	UD	1.80	3.00	4.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.00	UD	1.70	2.00	4.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	3.00	UD	2.00	3.00	4.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.4		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.7		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.4		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	69900	5.544				
540-36-3	1,4-Difluorobenzene	137000	6.757				
3114-55-4	Chlorobenzene-d5	130000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50800	12.018				

Raw Data: **VX045218.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	MW179D-20250305DL	SDG No.:	Q1500
Lab Sample ID:	Q1500-07DL	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
VX045218.D	4		03/11/25 12:50	VX031125

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\VX031125\
Data File : VX045218.D
Acq On : 11 Mar 2025 12:50
Operator : JC/MD
Sample : Q1500-07DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305DL

Quant Time: Mar 12 01:47:15 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

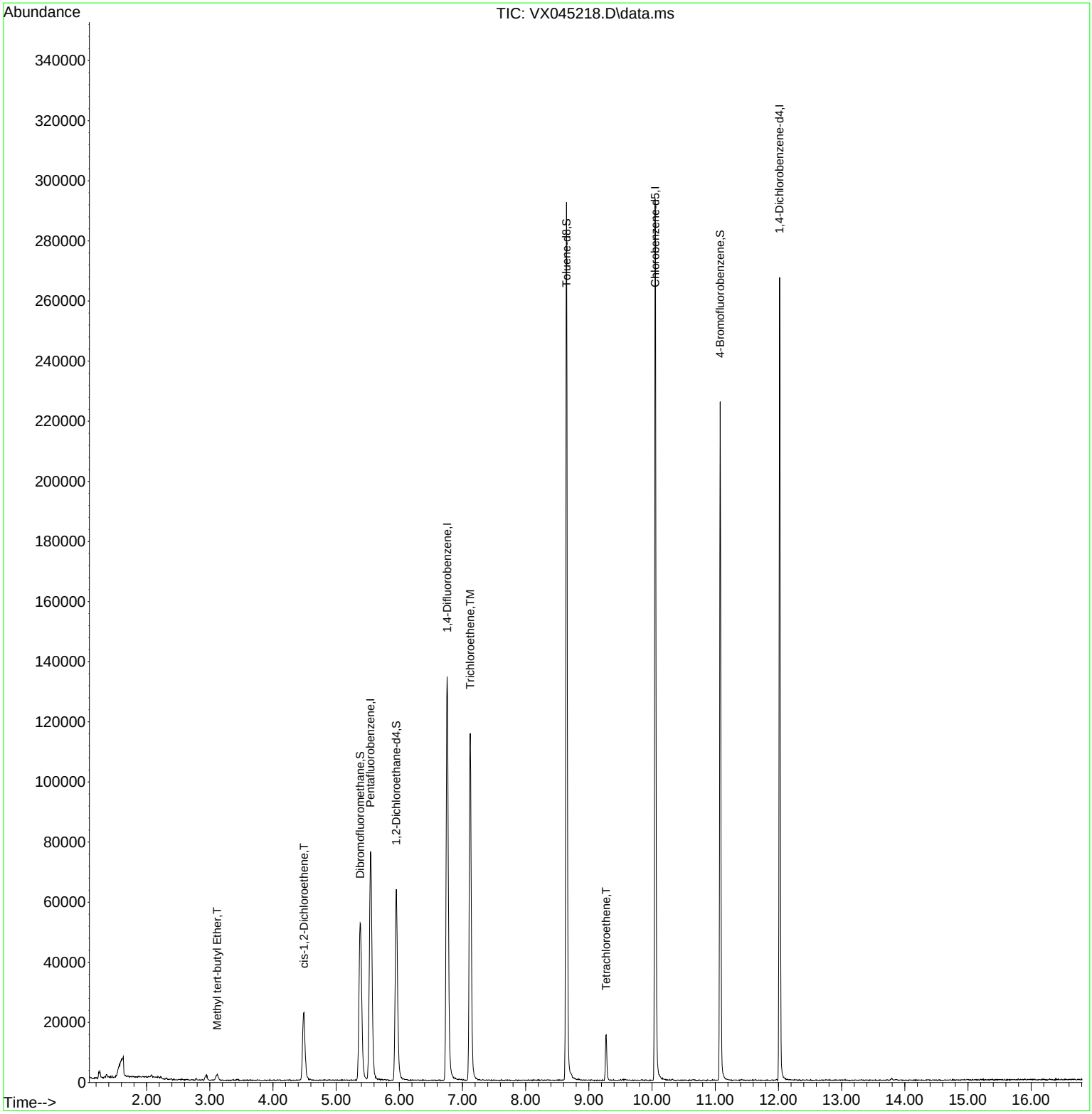
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	69879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136939	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58225	52.383	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.760%			
35) Dibromofluoromethane	5.379	113	47072	51.407	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.820%			
50) Toluene-d8	8.647	98	171563	51.681	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.360%			
62) 4-Bromofluorobenzene	11.079	95	58778	53.433	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.860%			
Target Compounds						Qvalue
19) Methyl tert-butyl Ether	3.117	73	1927	0.669	ug/l #	75
27) cis-1,2-Dichloroethene	4.489	96	14319	13.674	ug/l	94
44) Trichloroethene	7.123	130	44154	47.421	ug/l	96
64) Tetrachloroethene	9.275	164	2960	3.559	ug/l	89

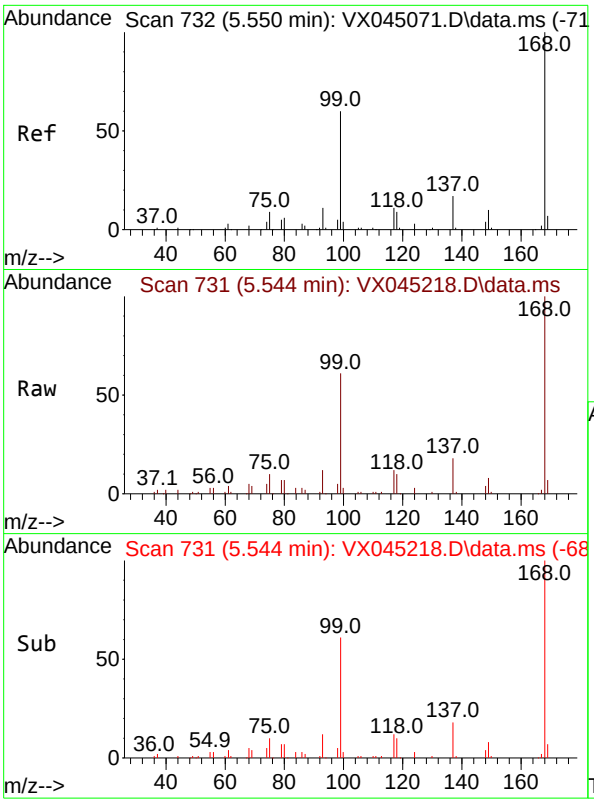
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045218.D
Acq On : 11 Mar 2025 12:50
Operator : JC/MD
Sample : Q1500-07DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305DL

Quant Time: Mar 12 01:47:15 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



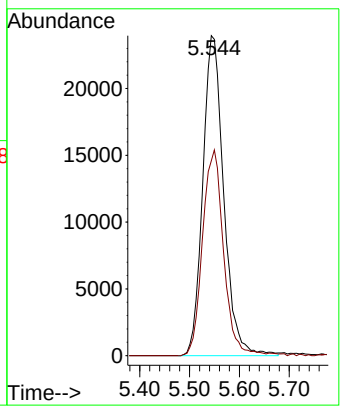


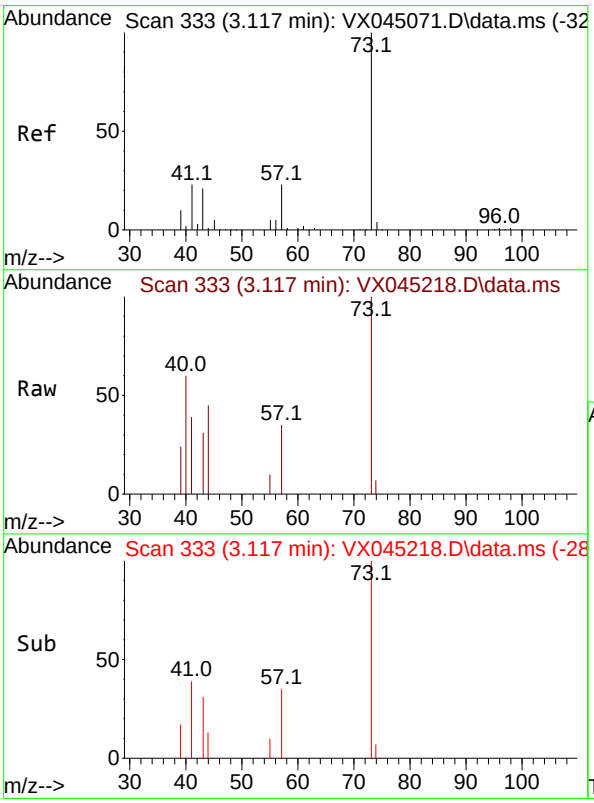
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305DL

Tgt Ion:168 Resp: 69879

Ion	Ratio	Lower	Upper
168	100		
99	60.9	48.2	72.4

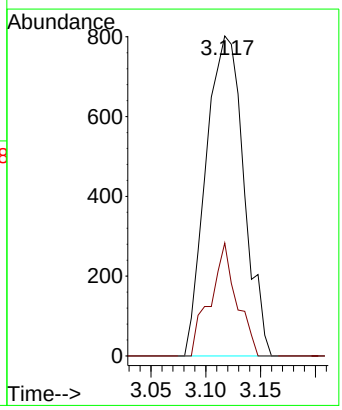


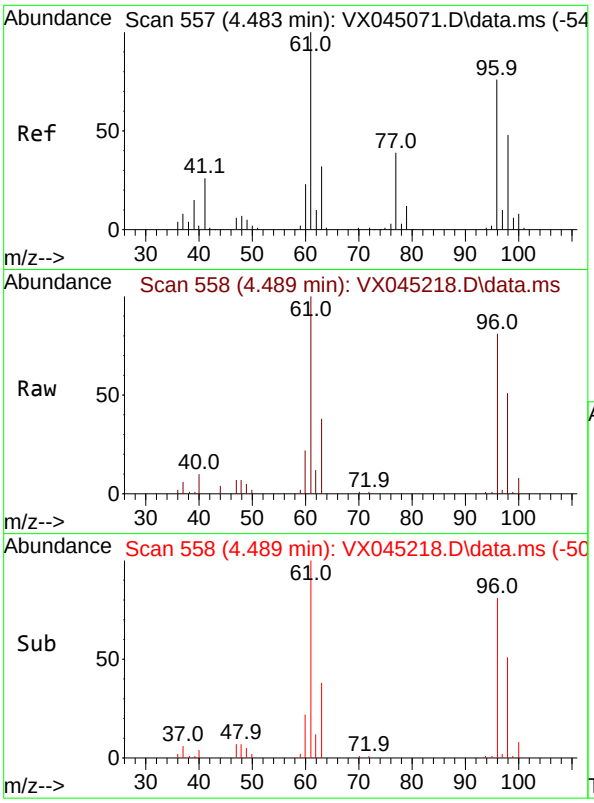


#19
Methyl tert-butyl Ether
Concen: 0.669 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion: 73 Resp: 1927

Ion	Ratio	Lower	Upper
73	100		
57	35.3	18.5	27.7#



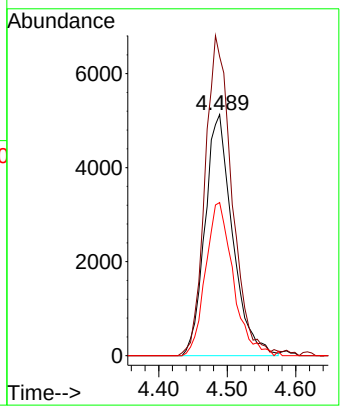


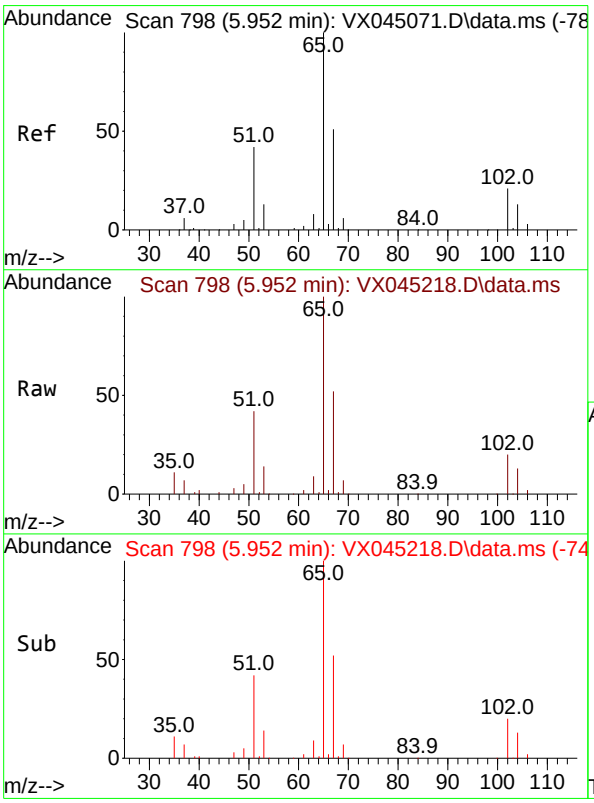
#27
cis-1,2-Dichloroethene
Concen: 13.674 ug/l
RT: 4.489 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305DL

Tgt Ion: 96 Resp: 14319

Ion	Ratio	Lower	Upper
96	100		
61	130.3	0.0	283.2
98	63.8	0.0	128.0

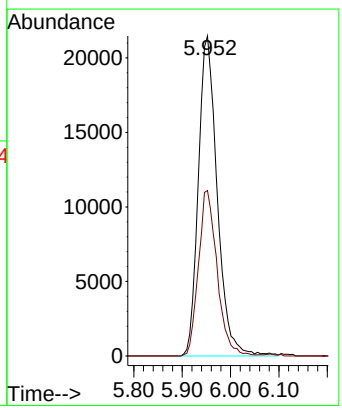


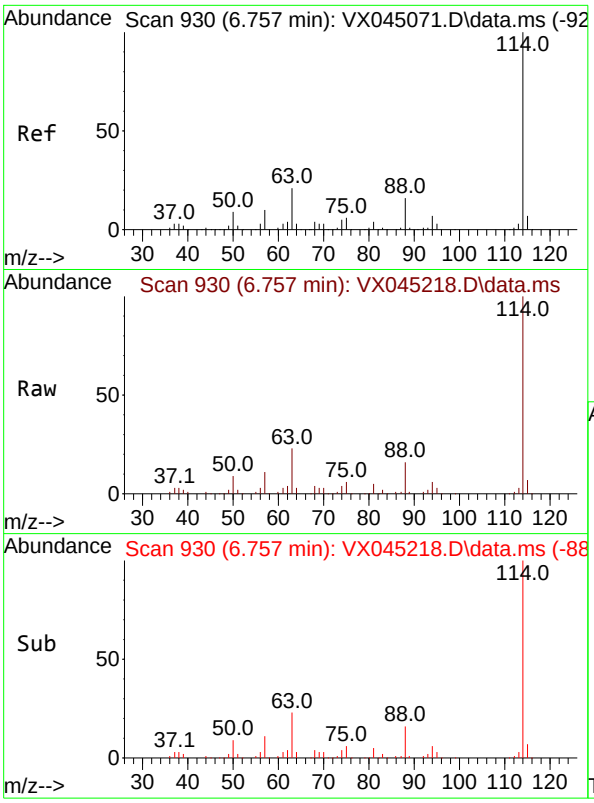


#33
1,2-Dichloroethane-d4
Concen: 52.383 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion: 65 Resp: 58225

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	106.2



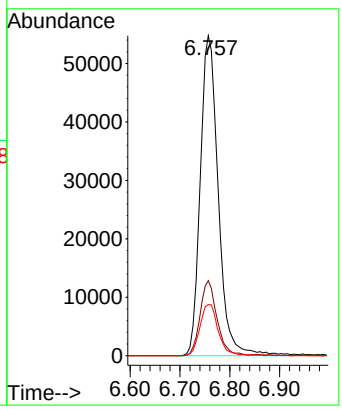


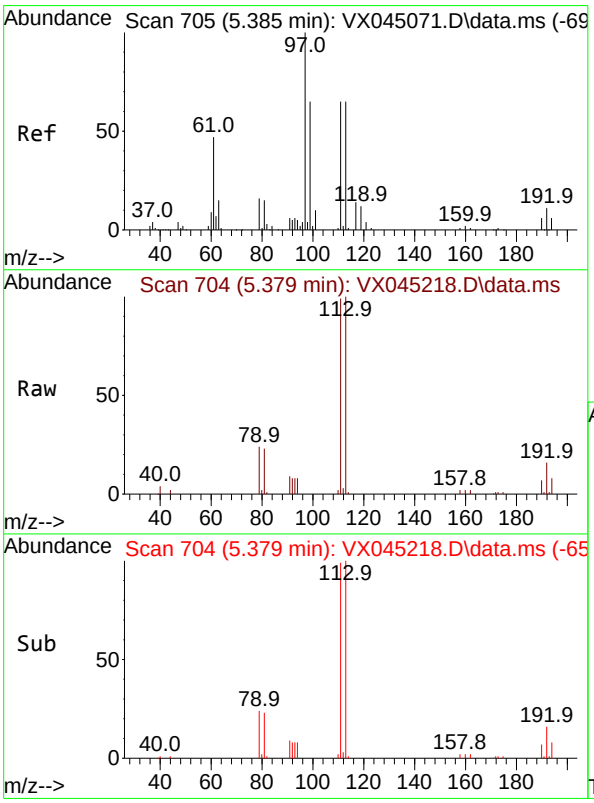
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305DL

Tgt Ion:114 Resp: 136939

Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	41.8
88	15.9	0.0	32.8

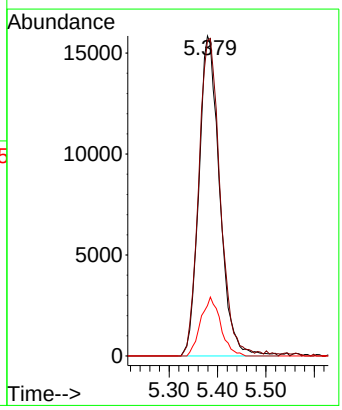


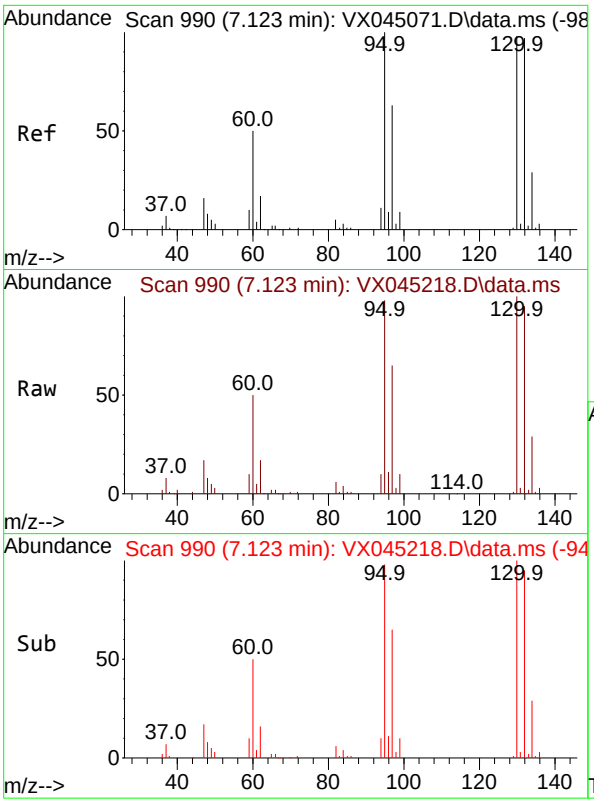


#35
Dibromofluoromethane
Concen: 51.407 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion:113 Resp: 47072

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.6
192	17.7	14.3	21.5



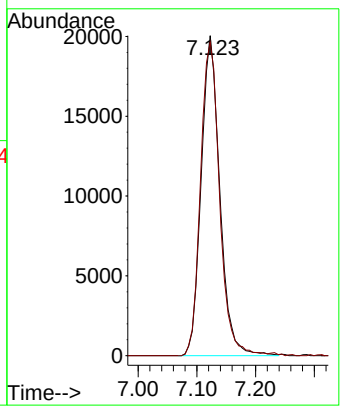


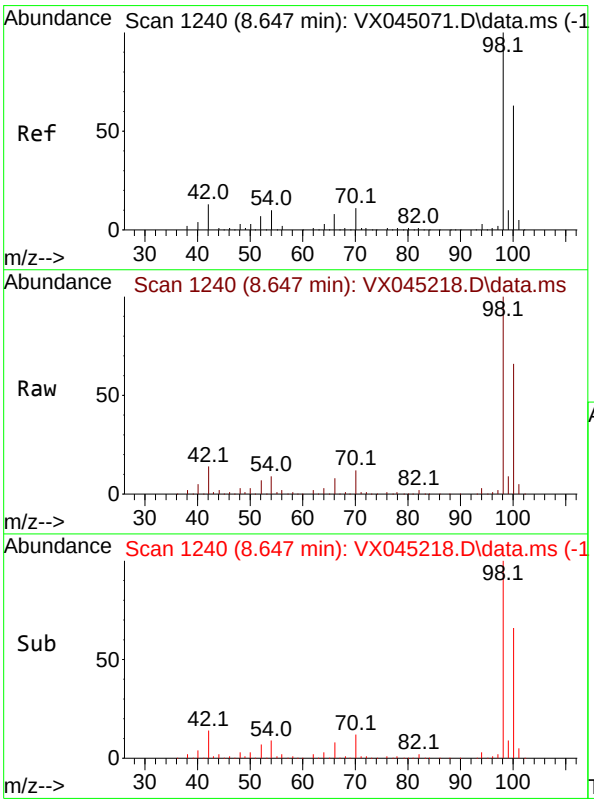
#44
Trichloroethene
Concen: 47.421 ug/l
RT: 7.123 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305DL

Tgt Ion:130 Resp: 44154

Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	205.0

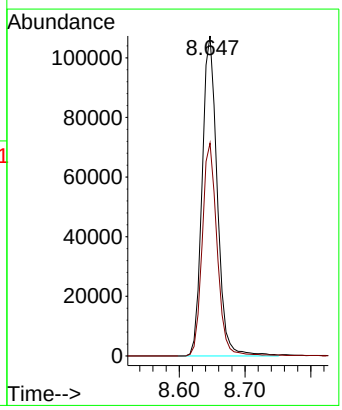


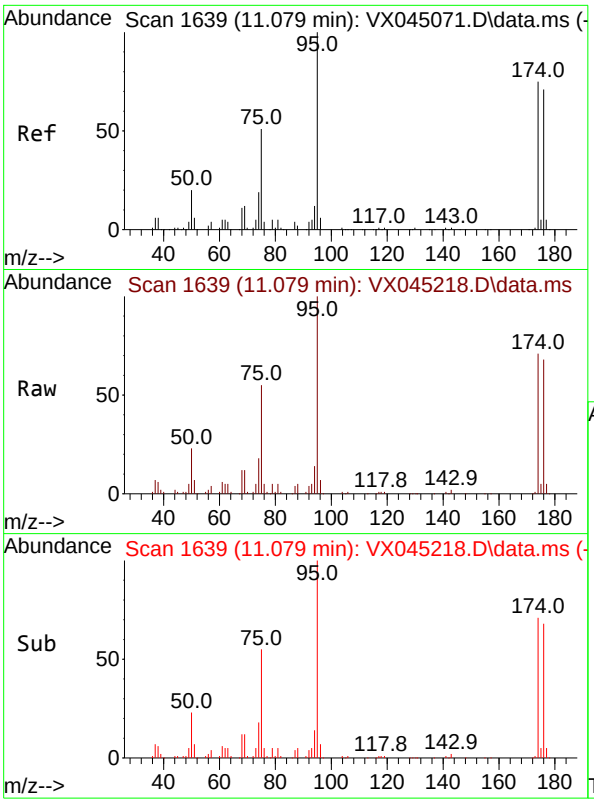


#50
Toluene-d8
Concen: 51.681 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion: 98 Resp: 171563

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.0	78.0



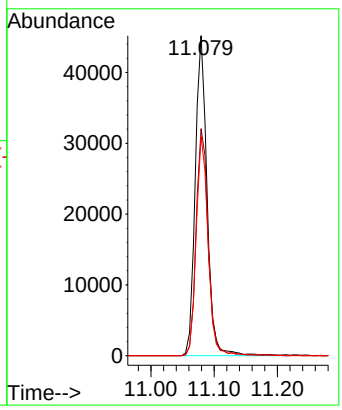


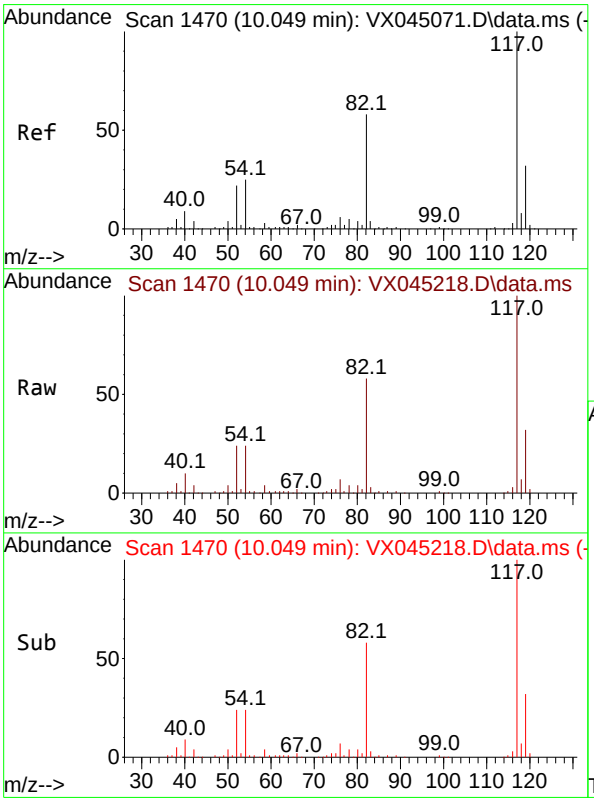
#62
4-Bromofluorobenzene
Concen: 53.433 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305DL

Tgt Ion: 95 Resp: 58778

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	148.2
176	68.6	0.0	141.4

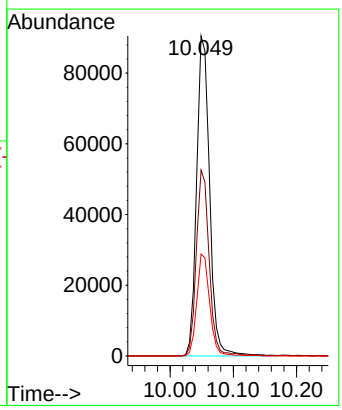


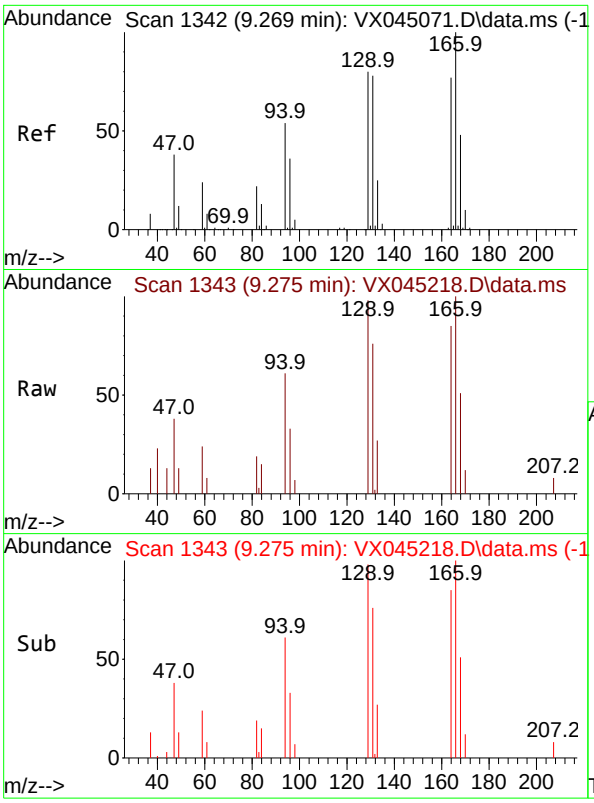


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion:117 Resp: 129865

Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.3	69.5
119	31.9	25.7	38.5



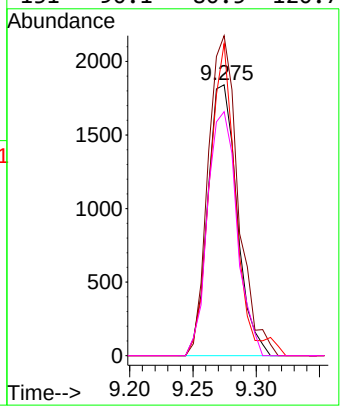


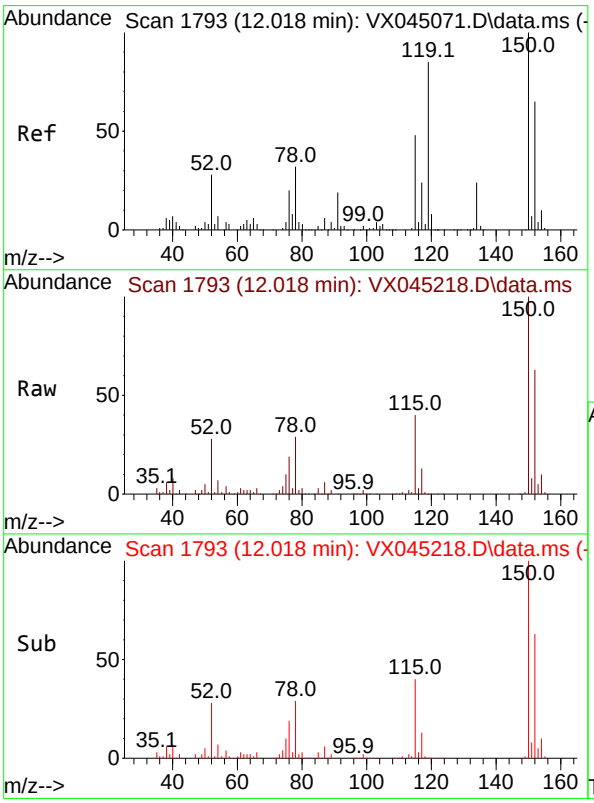
#64
Tetrachloroethene
Concen: 3.559 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20250305DL

Tgt Ion:164 Resp: 2960

Ion	Ratio	Lower	Upper
164	100		
166	118.1	103.6	155.4
129	115.3	82.7	124.1
131	90.1	80.5	120.7

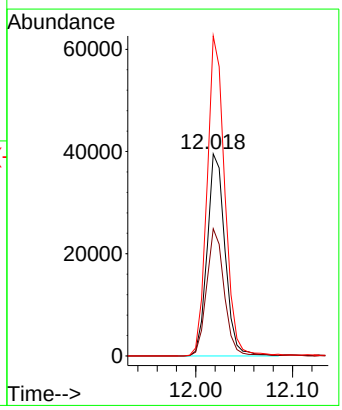




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045218.D
Acq: 11 Mar 2025 12:50

Tgt Ion:152 Resp: 50835

Ion	Ratio	Lower	Upper
152	100		
115	62.0	44.2	132.6
150	157.2	0.0	349.0



Raw Data: **VX045188.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	TB	SDG No.:	Q1500
Lab Sample ID:	Q1500-08	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
VX045188.D	1		03/10/25 12:10	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	2.50	J	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	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	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX045188.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	TB	SDG No.:	Q1500
Lab Sample ID:	Q1500-08	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
VX045188.D	1		03/10/25 12:10	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.2		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	51.7		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.0		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	71700	5.55				
540-36-3	1,4-Difluorobenzene	141000	6.757				
3114-55-4	Chlorobenzene-d5	132000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	55200	12.018				

Raw Data: **VX045188.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	03/05/25
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	03/05/25
Client Sample ID:	TB	SDG No.:	Q1500
Lab Sample ID:	Q1500-08	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
VX045188.D	1		03/10/25 12:10	VX031025

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\VX031025\
Data File : VX045188.D
Acq On : 10 Mar 2025 12:10
Operator : JC/MD
Sample : Q1500-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Mar 11 03:53:01 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

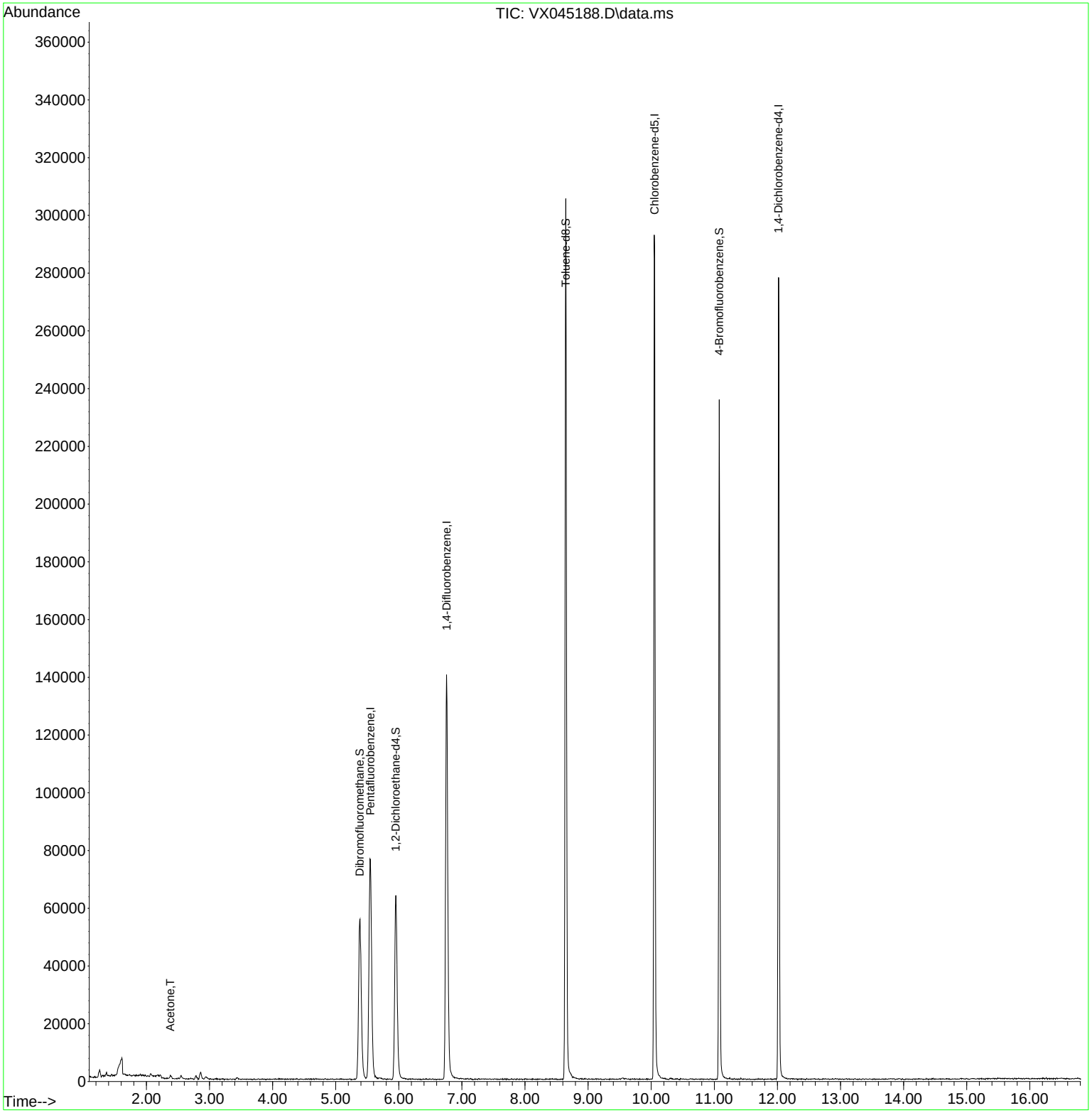
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	71688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141487	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131729	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61822	54.215	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.440%			
35) Dibromofluoromethane	5.379	113	50006	52.856	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.720%			
50) Toluene-d8	8.647	98	177385	51.717	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.440%			
62) 4-Bromofluorobenzene	11.079	95	60260	53.019	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.040%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1302	2.461	ug/l #	88

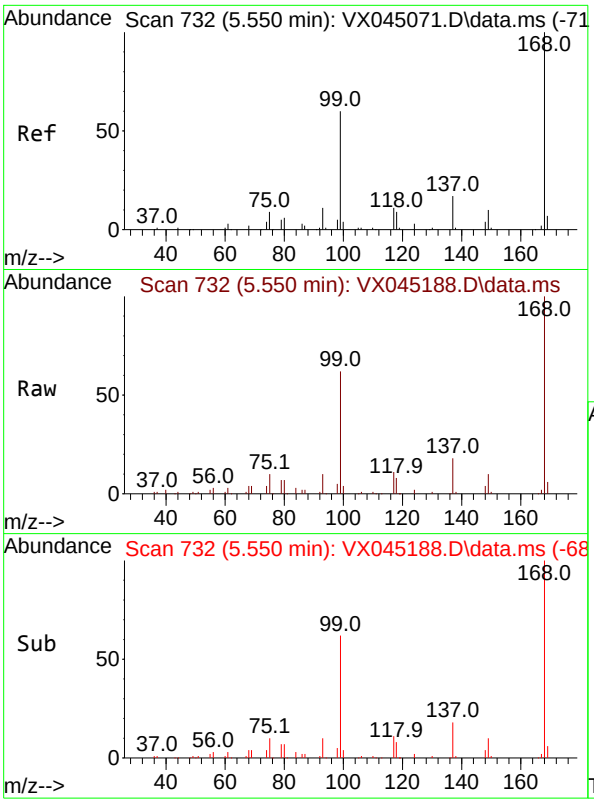
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045188.D
Acq On : 10 Mar 2025 12:10
Operator : JC/MD
Sample : Q1500-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Mar 11 03:53:01 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



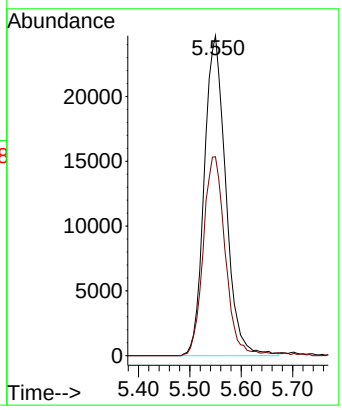


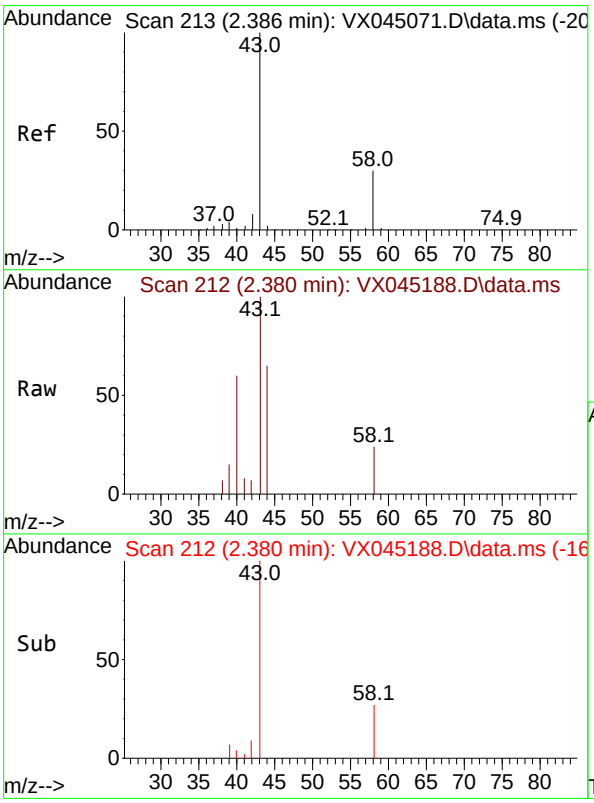
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045188.D
Acq: 10 Mar 2025 12:10

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:168 Resp: 71688

Ion	Ratio	Lower	Upper
168	100		
99	62.1	48.2	72.4

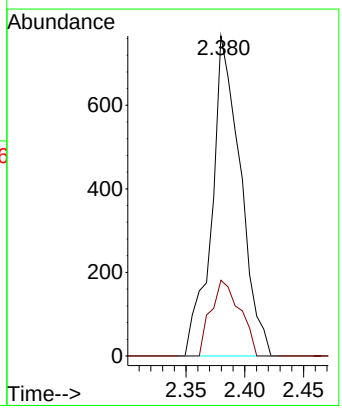


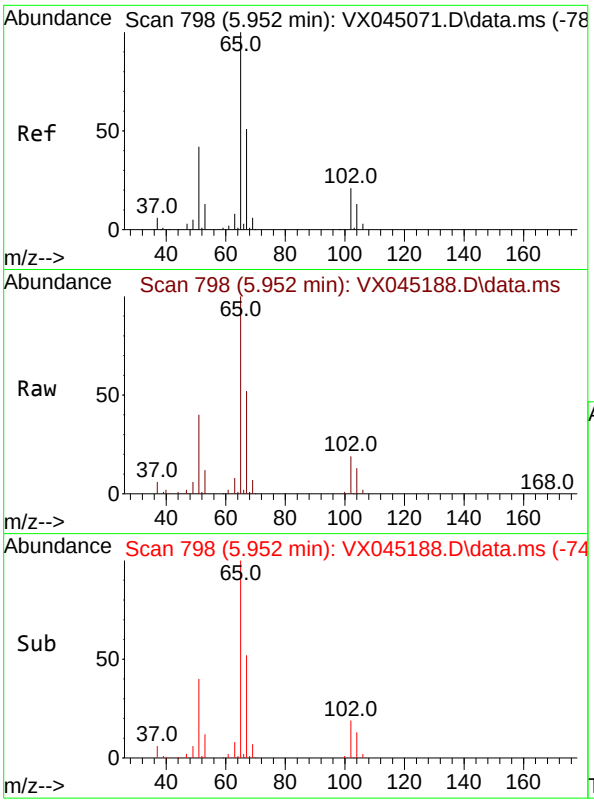


#16
Acetone
Concen: 2.461 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045188.D
Acq: 10 Mar 2025 12:10

Tgt Ion: 43 Resp: 1302

Ion	Ratio	Lower	Upper
43	100		
58	23.6	24.2	36.4#



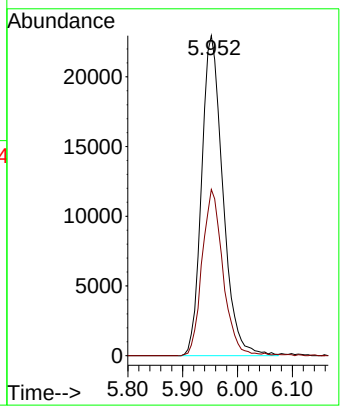


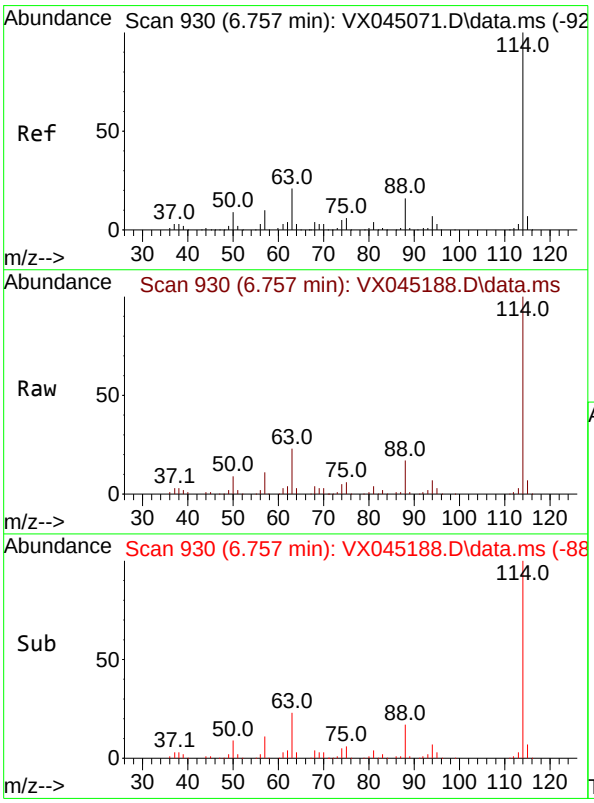
#33
1,2-Dichloroethane-d4
Concen: 54.215 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045188.D
Acq: 10 Mar 2025 12:10

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion: 65 Resp: 61822

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	106.2

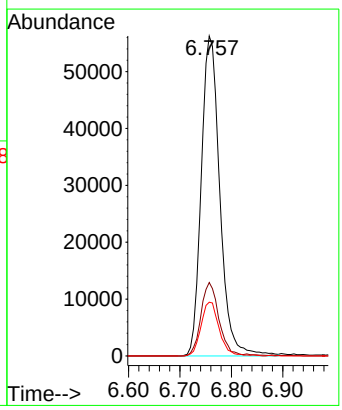


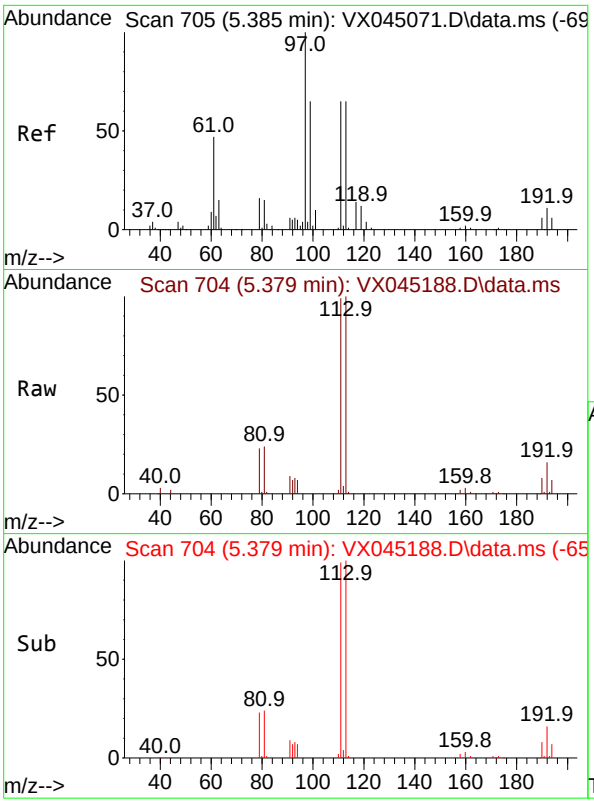


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045188.D
Acq: 10 Mar 2025 12:10

Tgt Ion:114 Resp: 141487

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	41.8
88	16.8	0.0	32.8



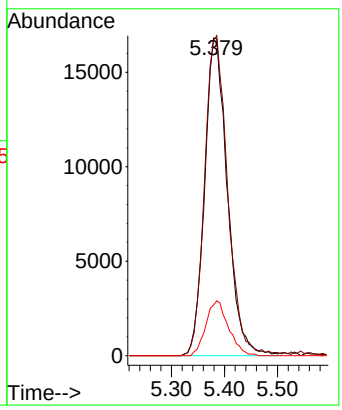


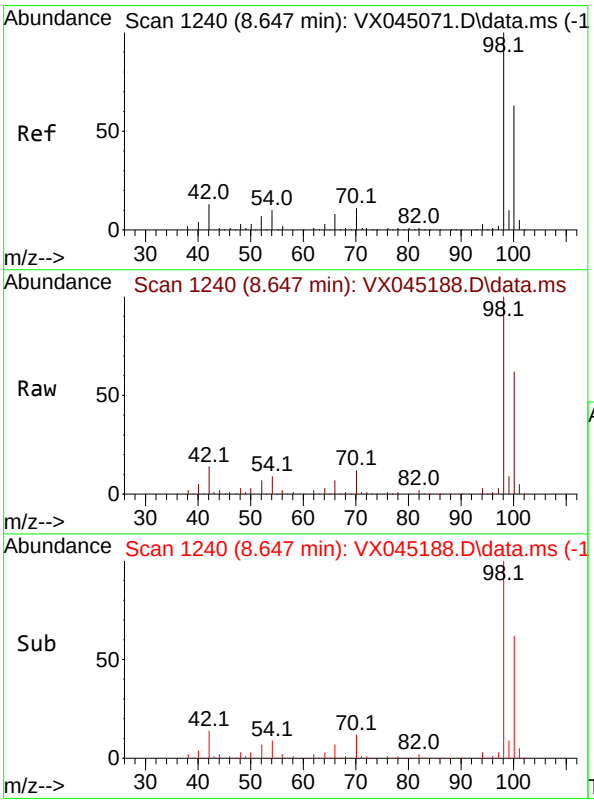
#35
Dibromofluoromethane
Concen: 52.856 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045188.D
Acq: 10 Mar 2025 12:10

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:113 Resp: 50006

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	17.2	14.3	21.5

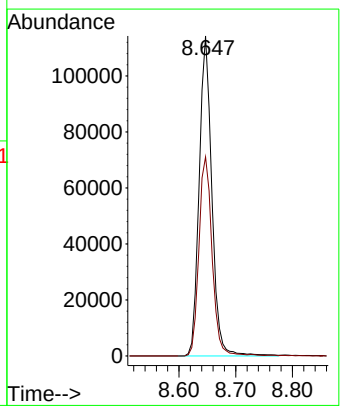


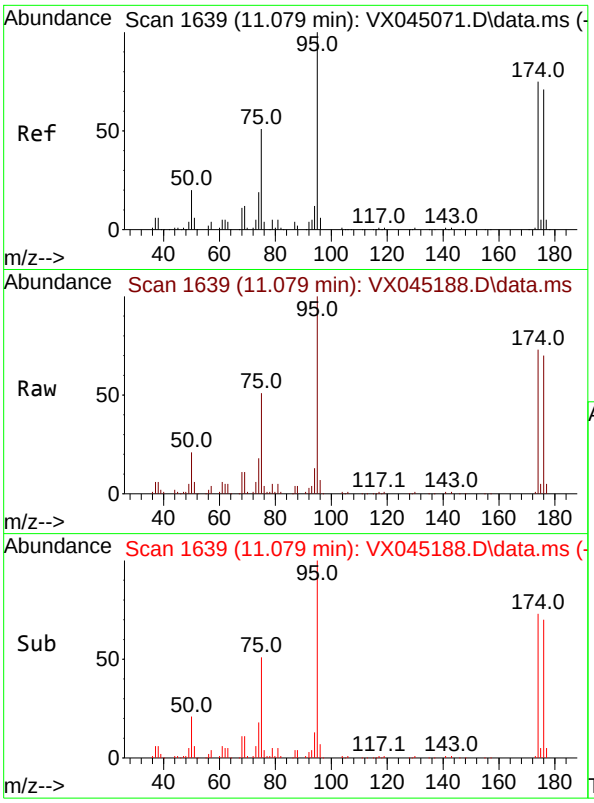


#50
Toluene-d8
Concen: 51.717 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045188.D
Acq: 10 Mar 2025 12:10

Tgt Ion: 98 Resp: 177385

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0



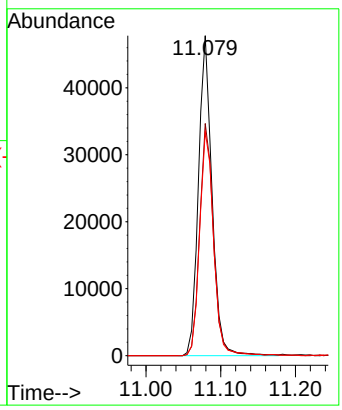


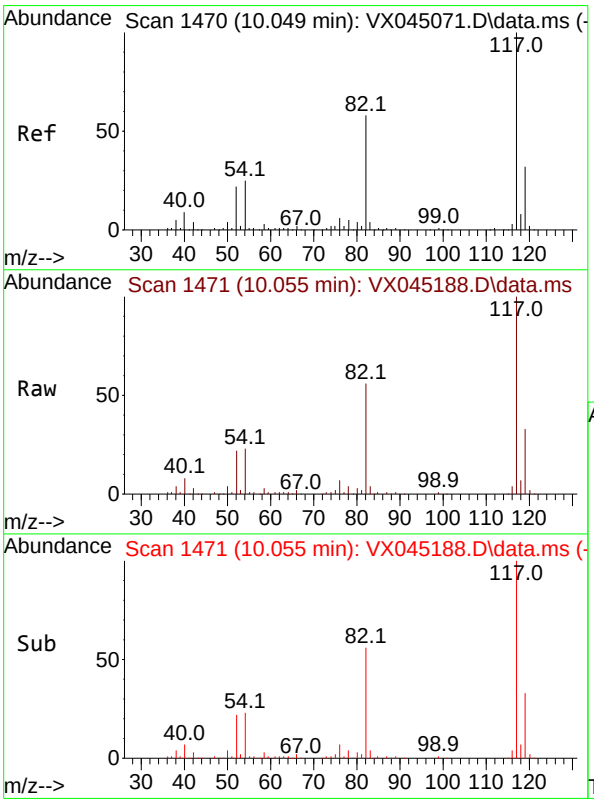
#62
4-Bromofluorobenzene
Concen: 53.019 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045188.D
Acq: 10 Mar 2025 12:10

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion: 95 Resp: 60260

Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	148.2
176	71.9	0.0	141.4

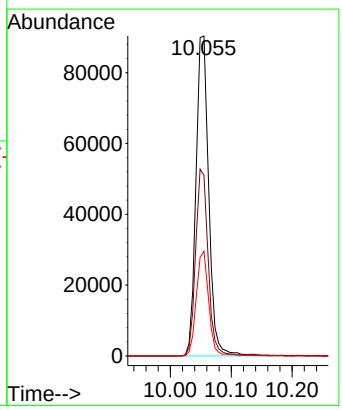


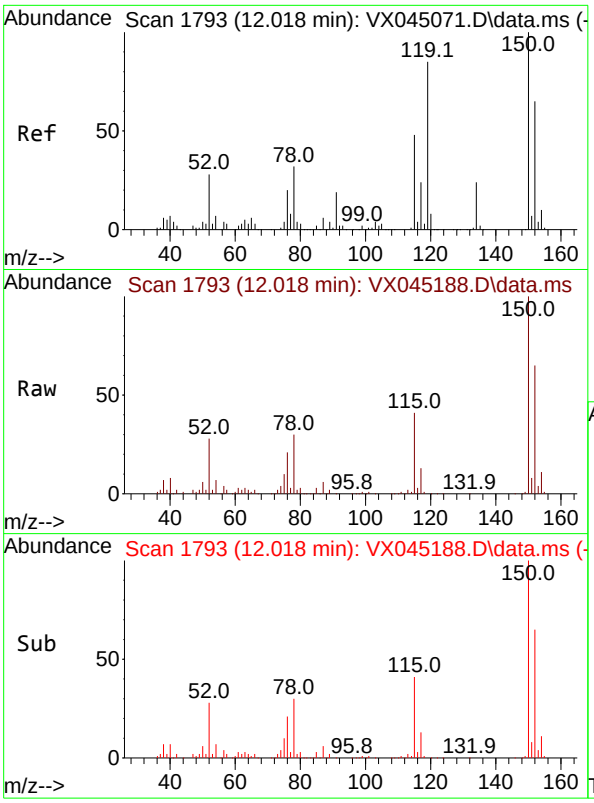


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045188.D
Acq: 10 Mar 2025 12:10

Tgt Ion:117 Resp: 131729

Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.3	69.5
119	32.7	25.7	38.5



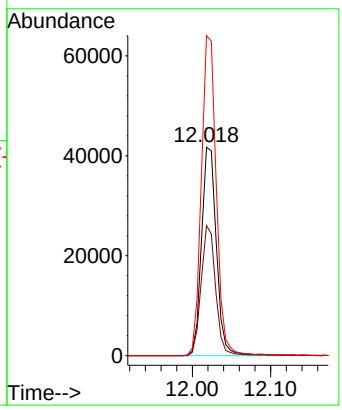


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045188.D
Acq: 10 Mar 2025 12:10

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:152 Resp: 55150

Ion	Ratio	Lower	Upper
152	100		
115	61.0	44.2	132.6
150	154.6	0.0	349.0



CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1500 SAS No.: Q1500 SDG No.: Q1500

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.

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1500 SAS No.: Q1500 SDG No.: Q1500

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)

ICAL Form

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)
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

Quantitation Report (QT Reviewed)

ICAL Form

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)
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

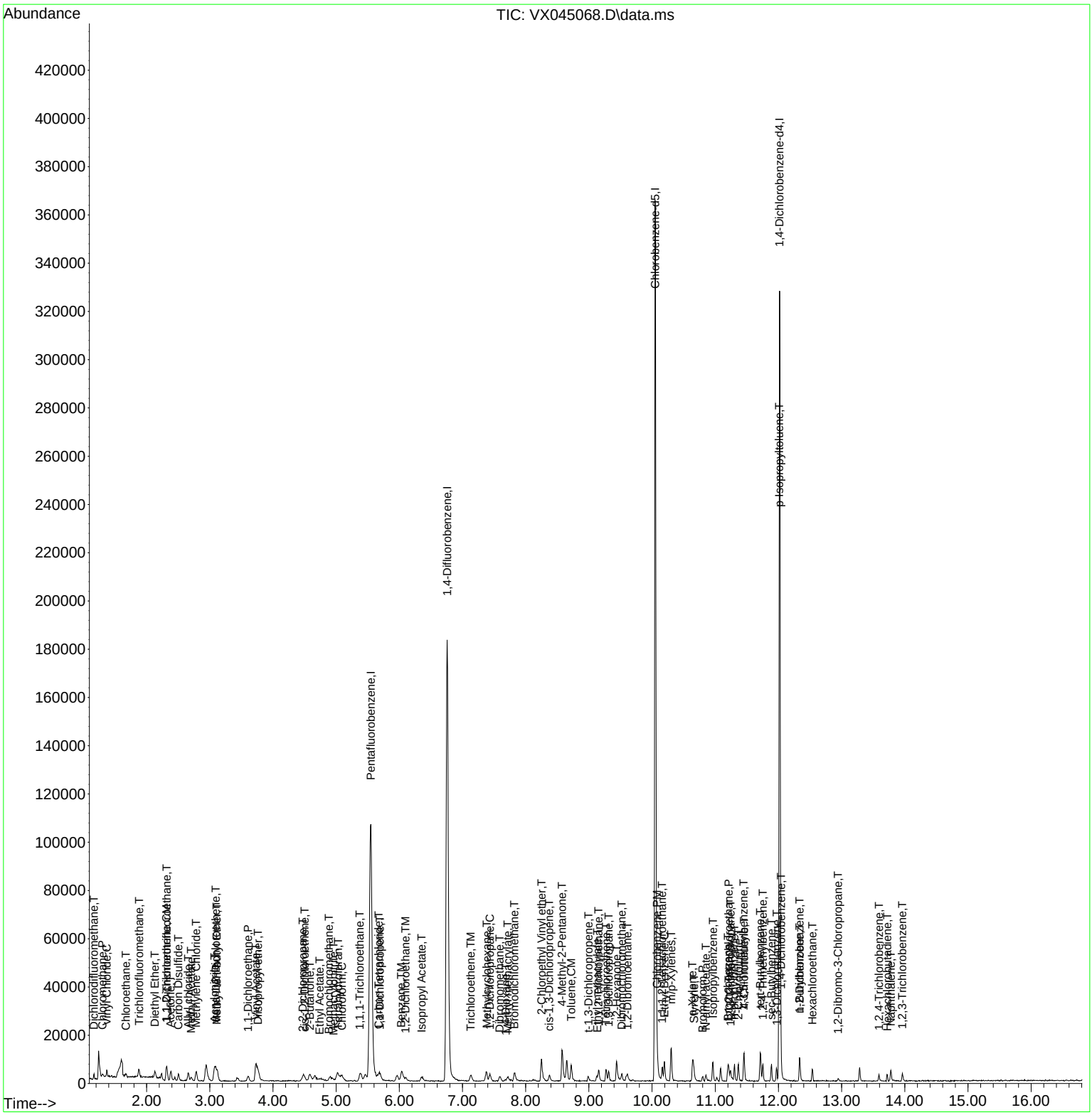
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Acq On : 28 Feb 2025 01:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

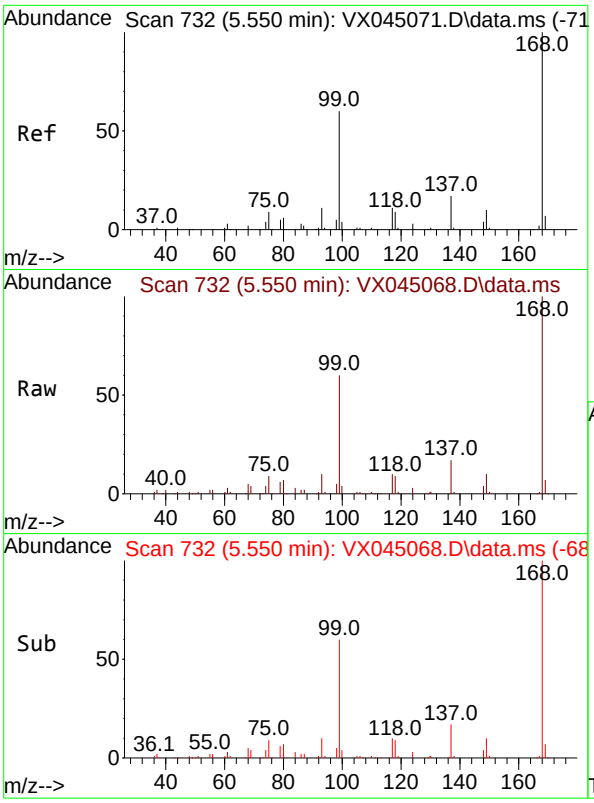
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:18:23 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

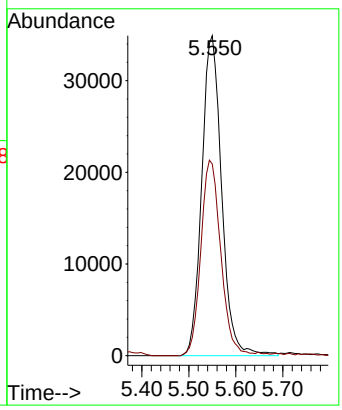




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:168 Resp: 10276

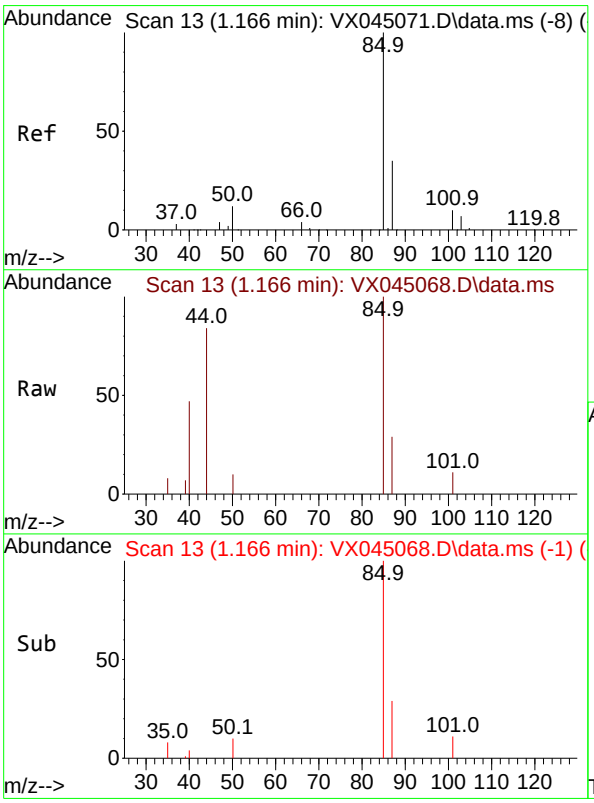
Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

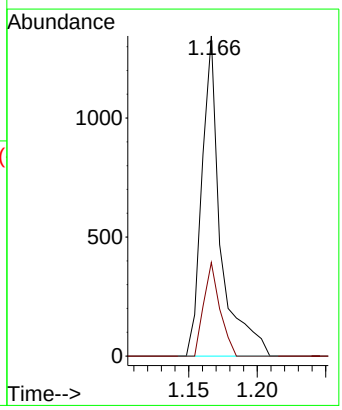
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

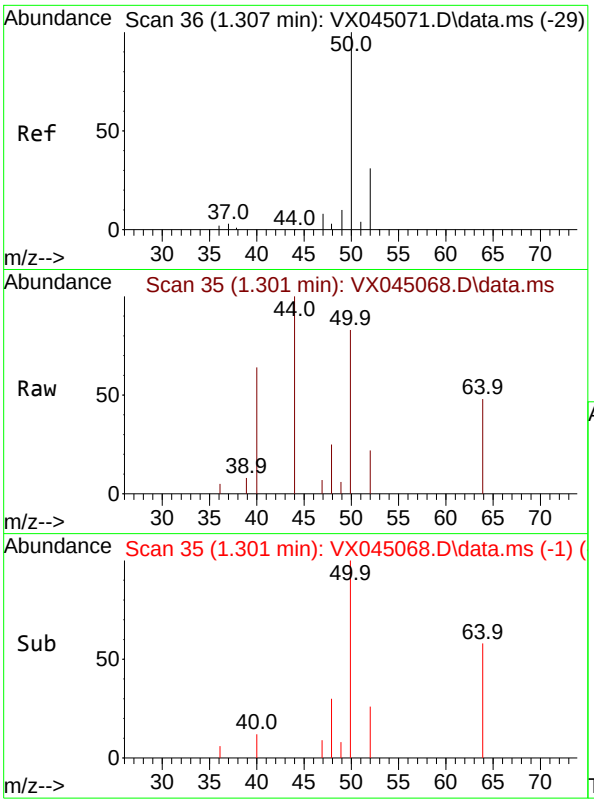


#2
Dichlorodifluoromethane
Concen: 1.007 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 85 Resp: 1282

Ion	Ratio	Lower	Upper
85	100		
87	29.2	17.4	52.3

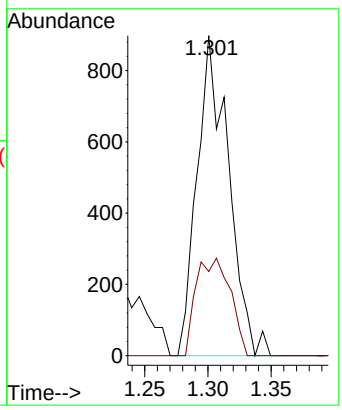




#3
Chloromethane
Concen: 0.975 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 50 Resp: 155

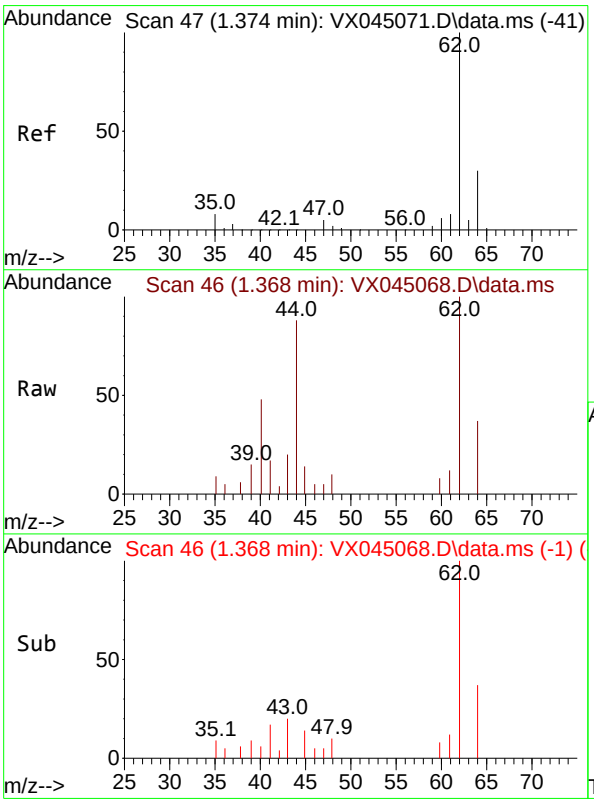
Ion	Ratio	Lower	Upper
50	100		
52	26.3	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

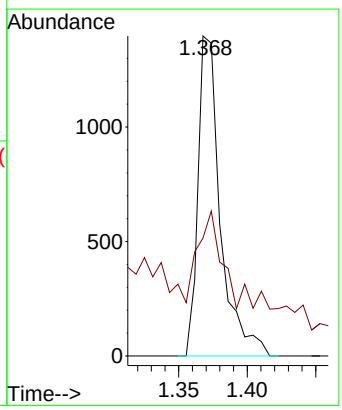
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

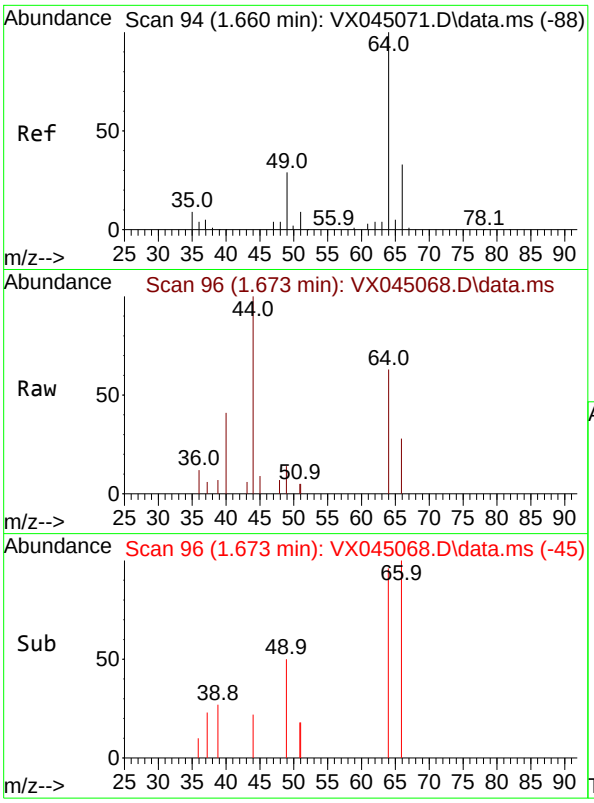


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1588

Ion	Ratio	Lower	Upper
62	100		
64	22.0	24.3	36.5#

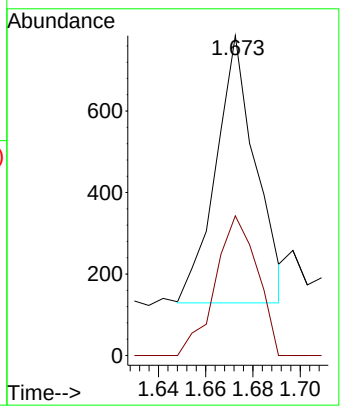




#6
Chloroethane
Concen: 0.992 ug/l m
RT: 1.673 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 64 Resp: 76

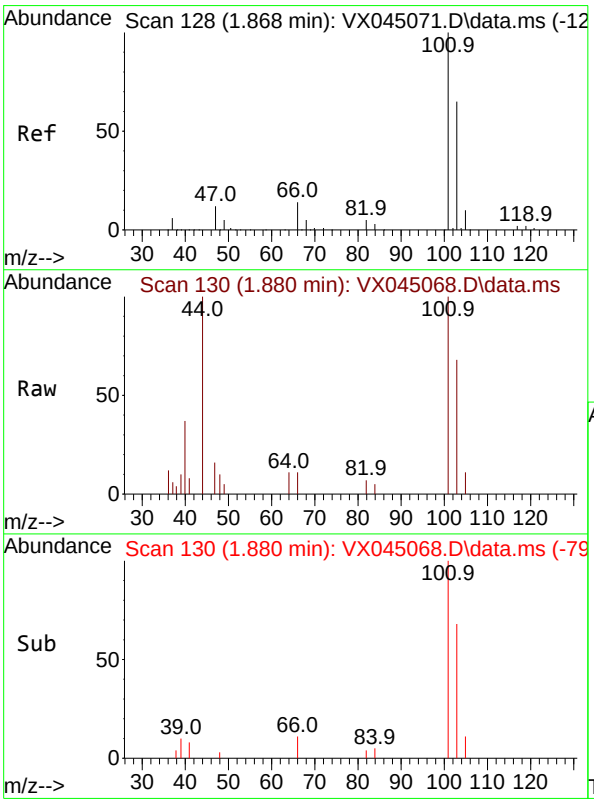
Ion	Ratio	Lower	Upper
64	100		
66	43.7	26.7	40.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

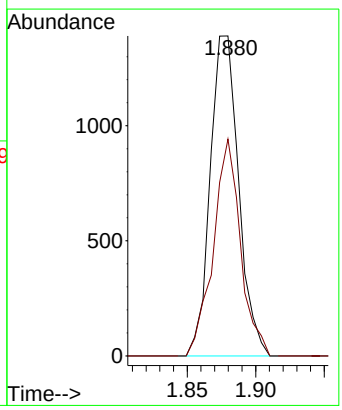
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

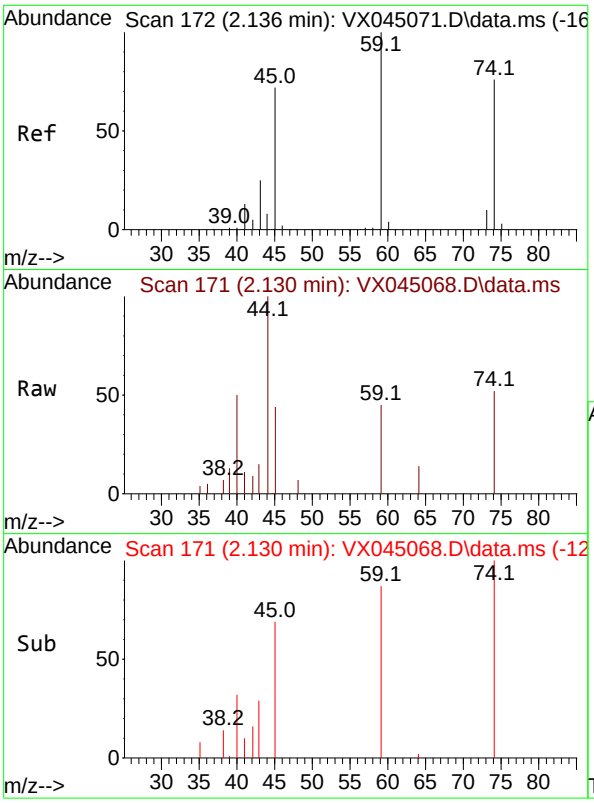


#7
Trichlorofluoromethane
Concen: 0.957 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

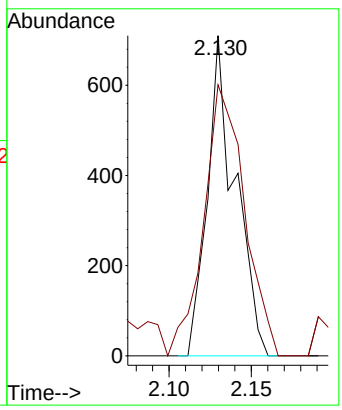
Tgt Ion: 74 Resp: 83

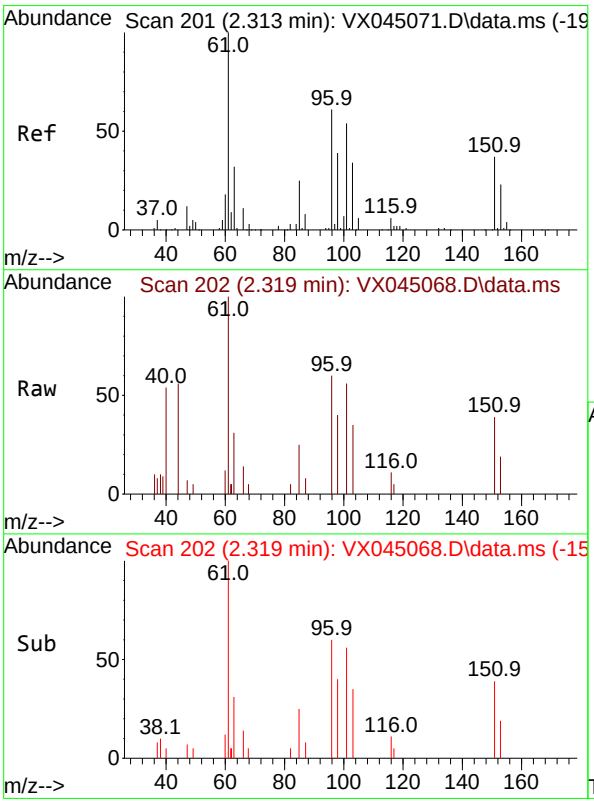
Ion	Ratio	Lower	Upper
74	100		
45	123.5	51.5	154.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

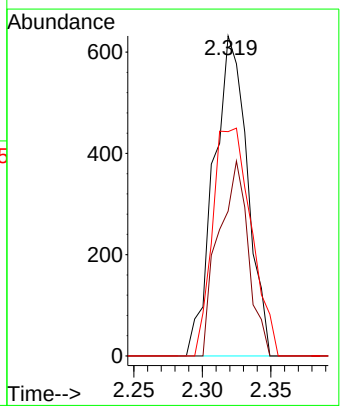


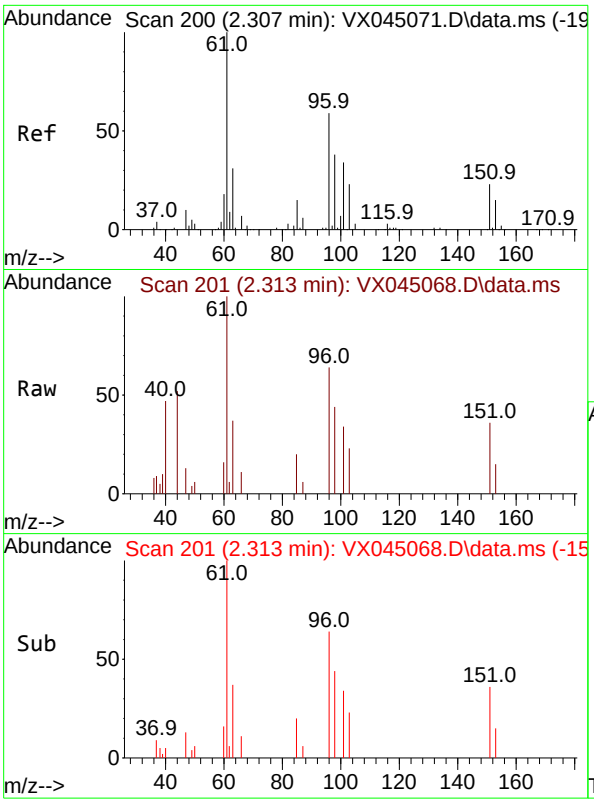


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.884 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

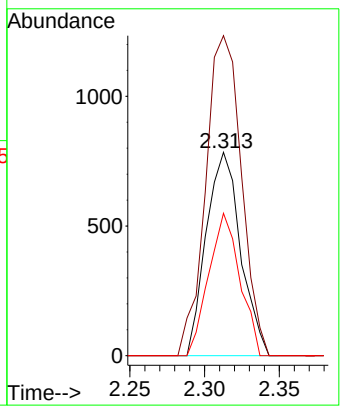




#12
1,1-Dichloroethene
Concen: 0.991 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 96 Resp: 125

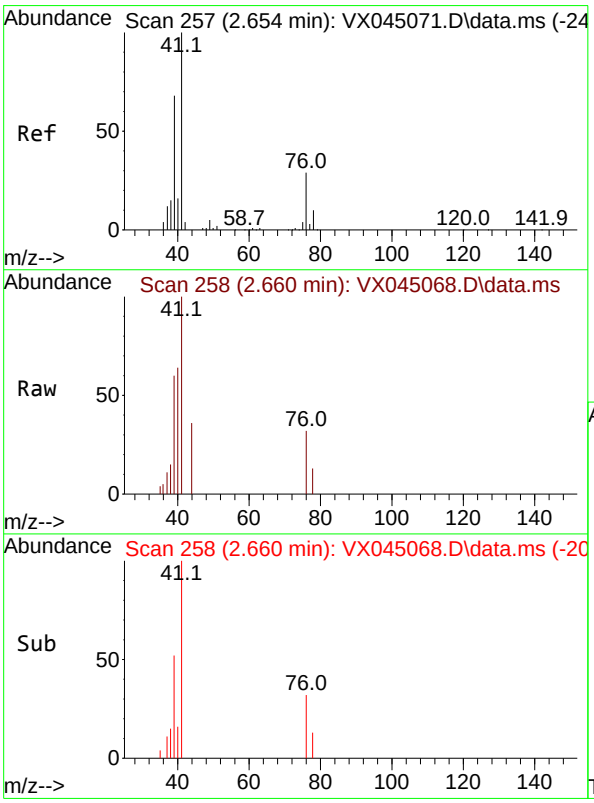
Ion	Ratio	Lower	Upper
96	100		
61	157.4	134.6	202.0
98	70.0	51.0	76.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

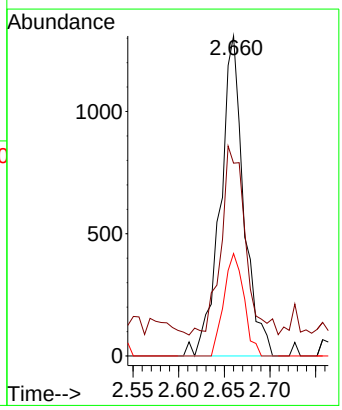
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

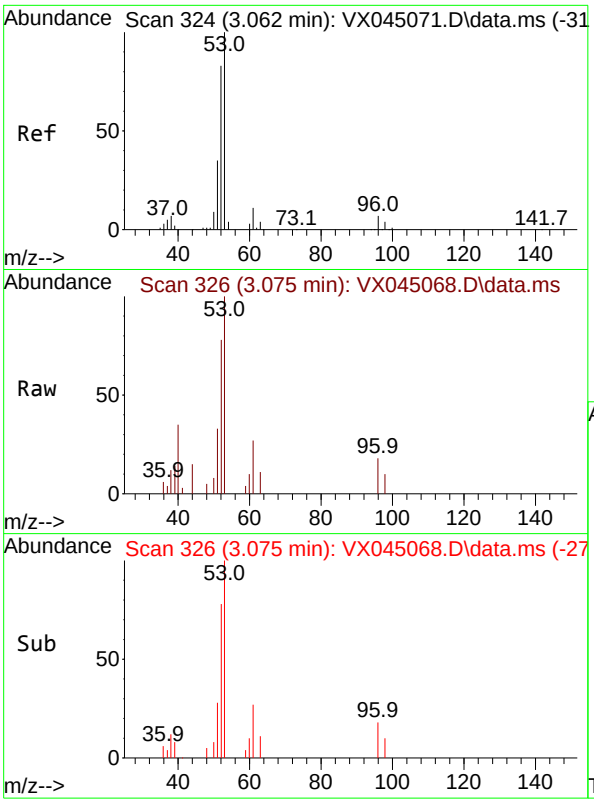


#14
Allyl chloride
Concen: 1.055 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

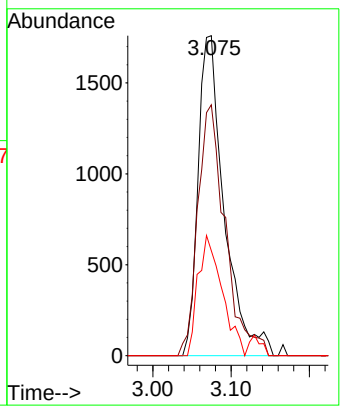
Tgt Ion: 53 Resp: 406

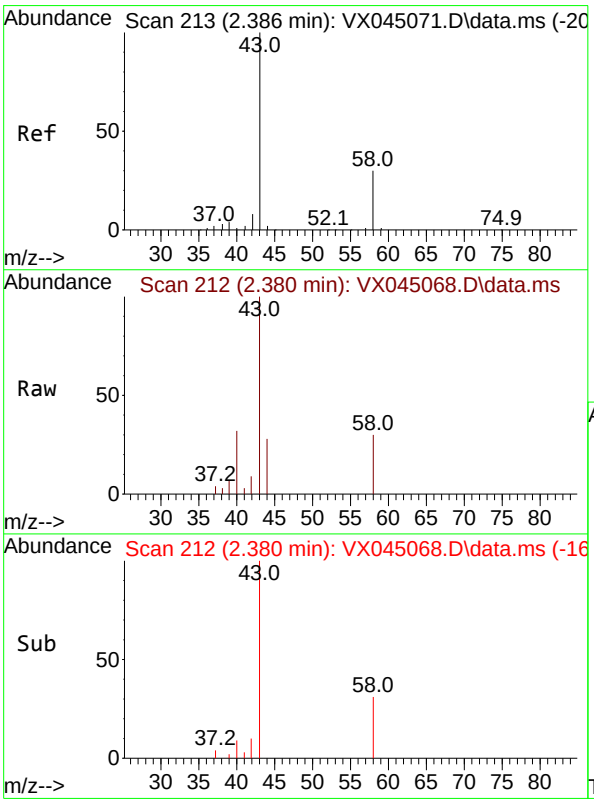
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	34.6	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

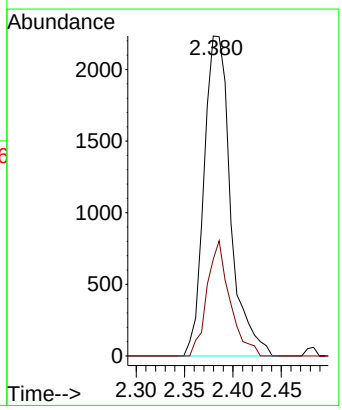


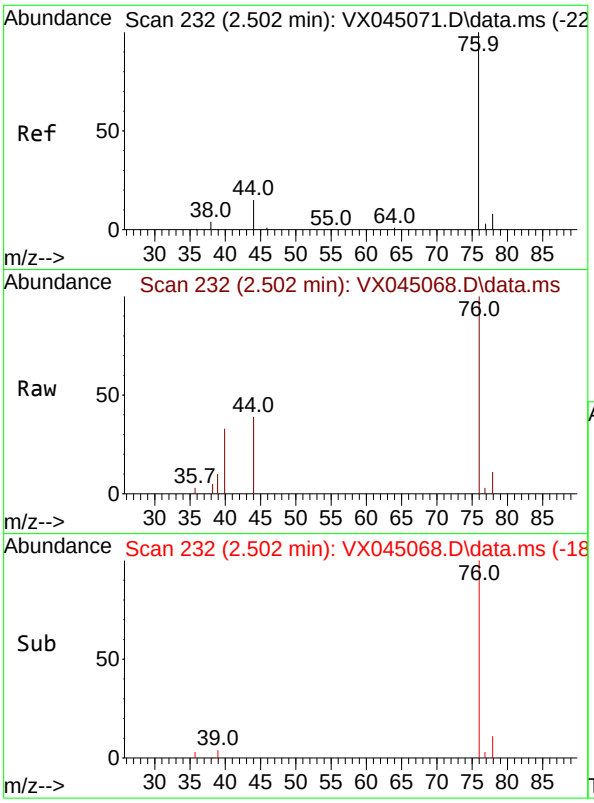


#16
Acetone
Concen: 5.635 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

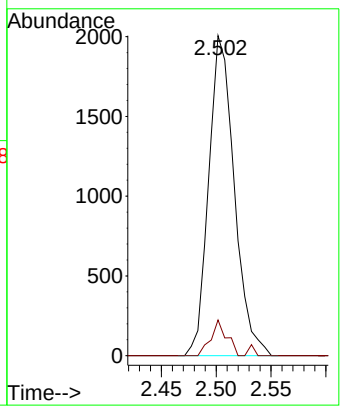
Tgt Ion: 76 Resp: 325

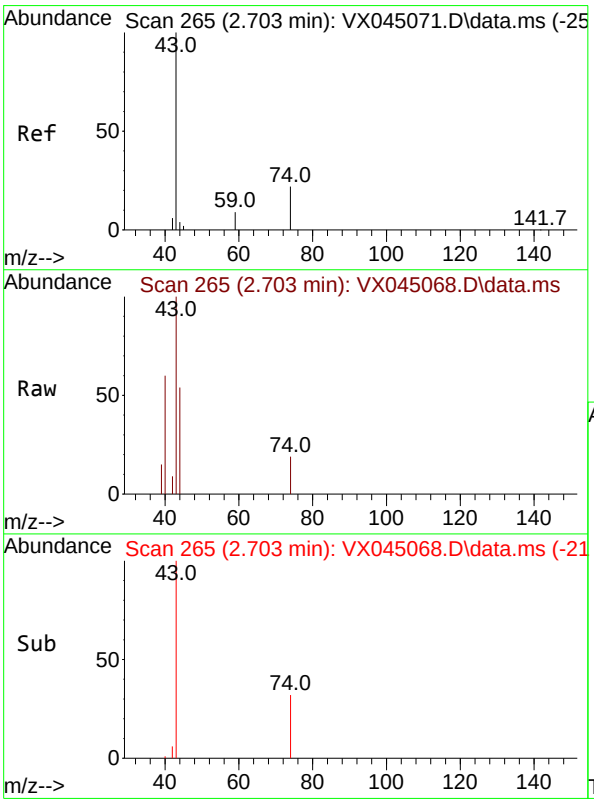
Ion	Ratio	Lower	Upper
76	100		
78	11.2	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

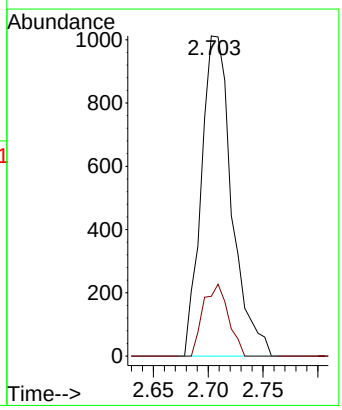


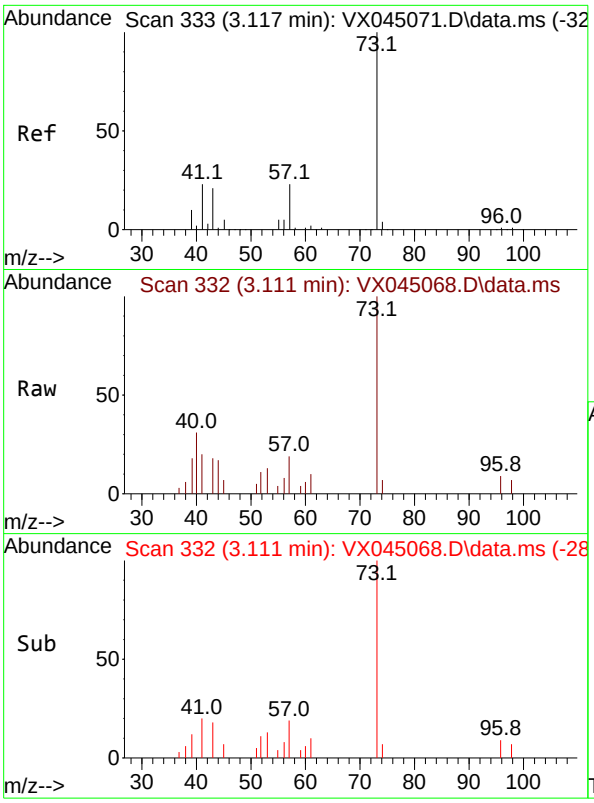


#18
Methyl Acetate
Concen: 1.066 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1960

Ion	Ratio	Lower	Upper
43	100		
74	18.5	17.4	26.2

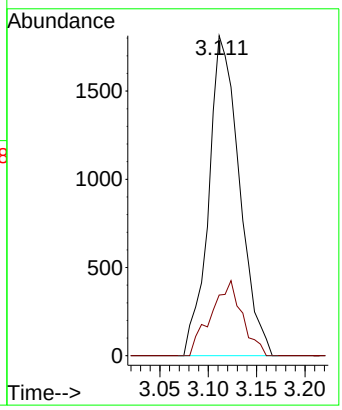




#19
Methyl tert-butyl Ether
Concen: 0.943 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 73 Resp: 401

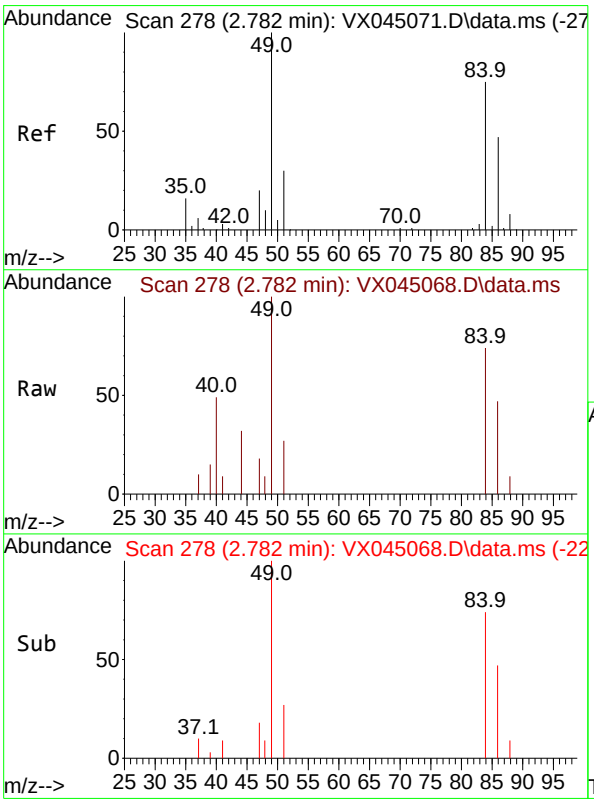
Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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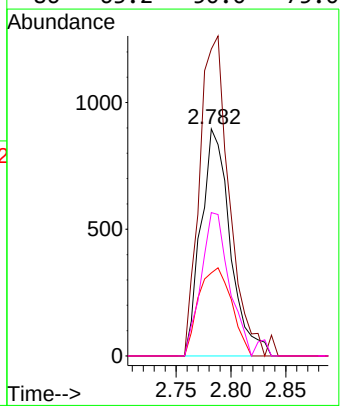
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

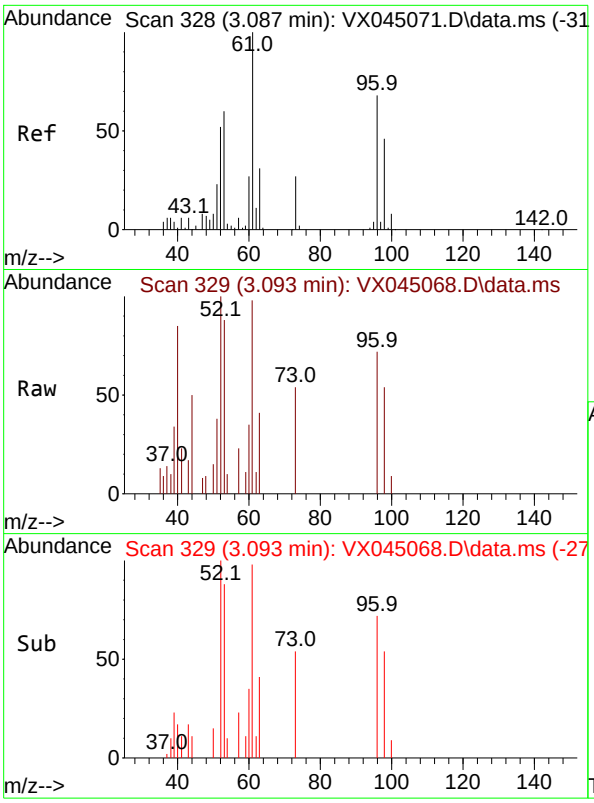


#20
Methylene Chloride
Concen: 1.095 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

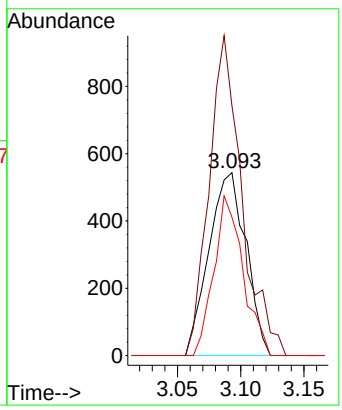
Tgt Ion: 96 Resp: 110

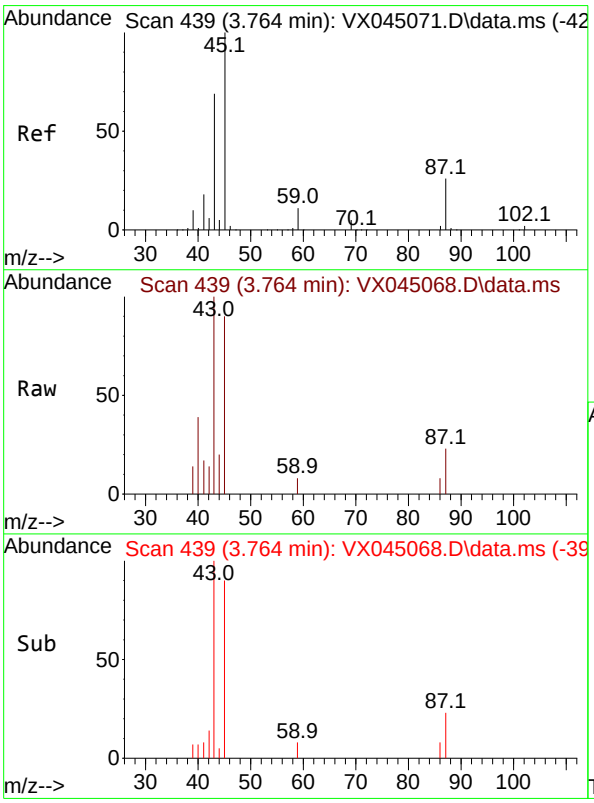
Ion	Ratio	Lower	Upper
96	100		
61	136.4	117.0	175.4
98	75.6	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

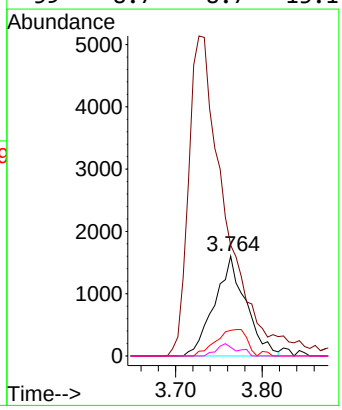


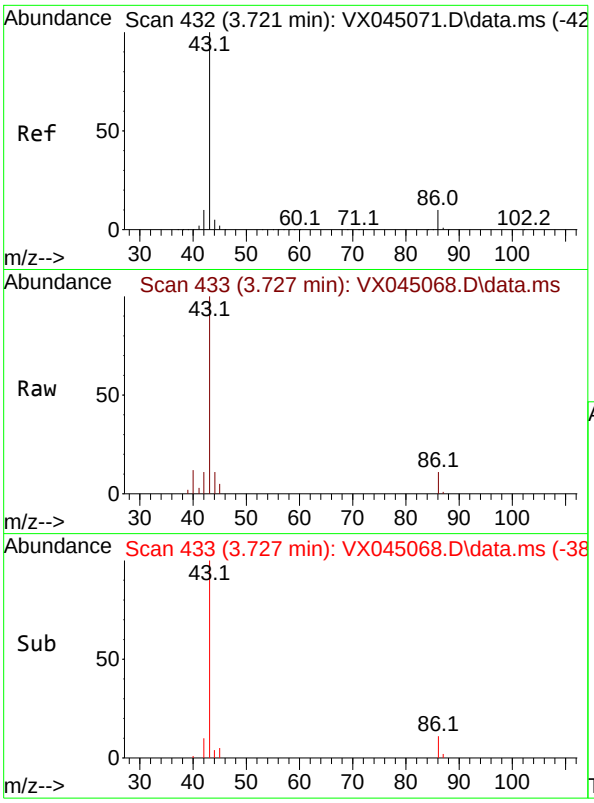


#22
Diisopropyl ether
Concen: 0.871 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

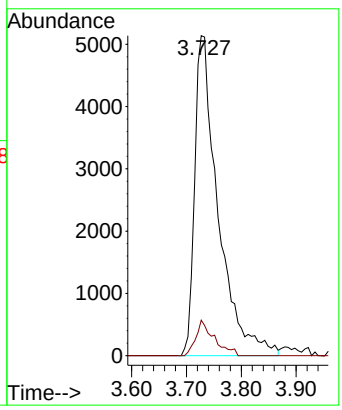
Tgt Ion: 43 Resp: 1527

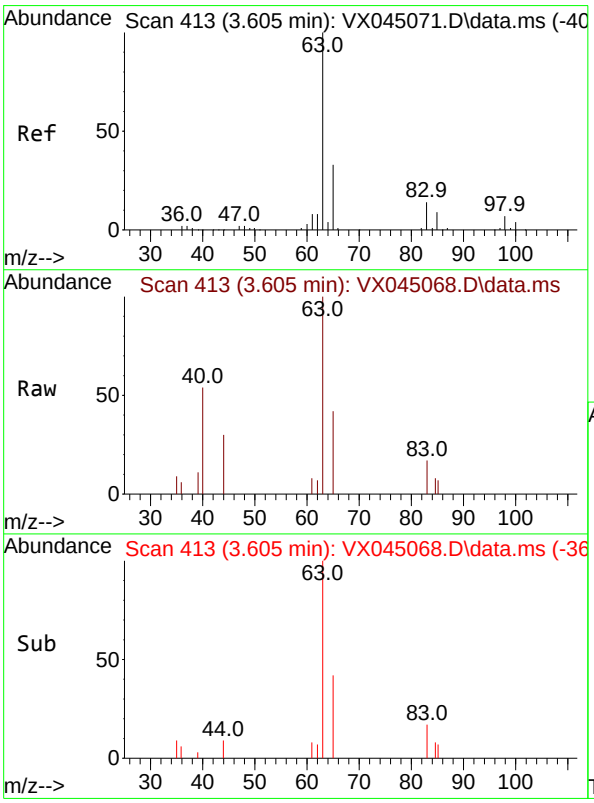
Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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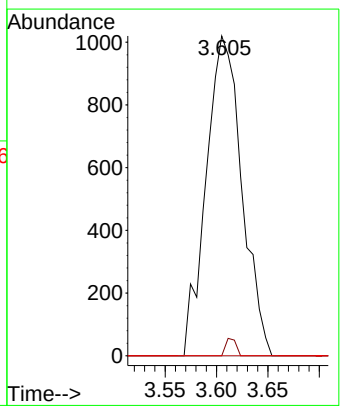


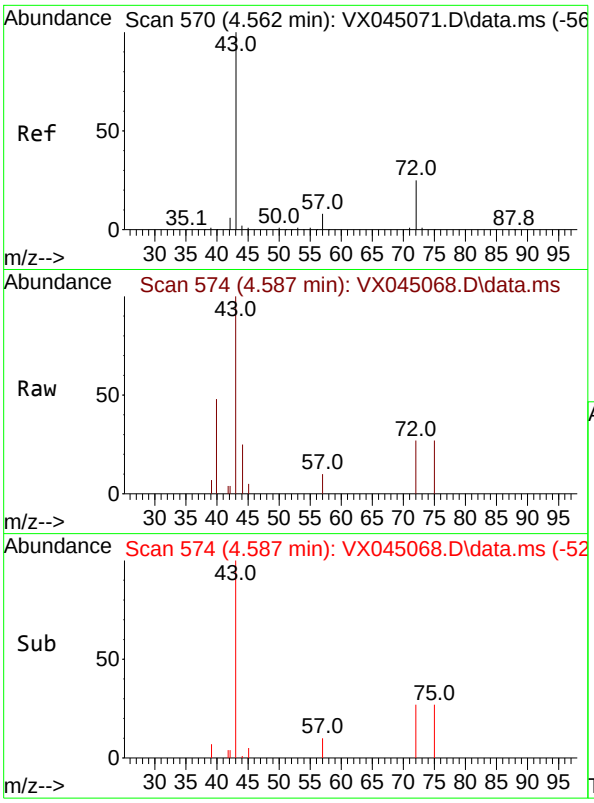


#24
1,1-Dichloroethane
Concen: 0.958 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

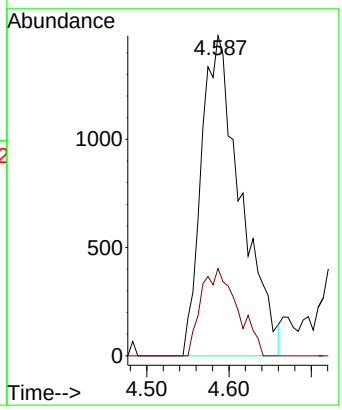
Tgt Ion: 43 Resp: 489

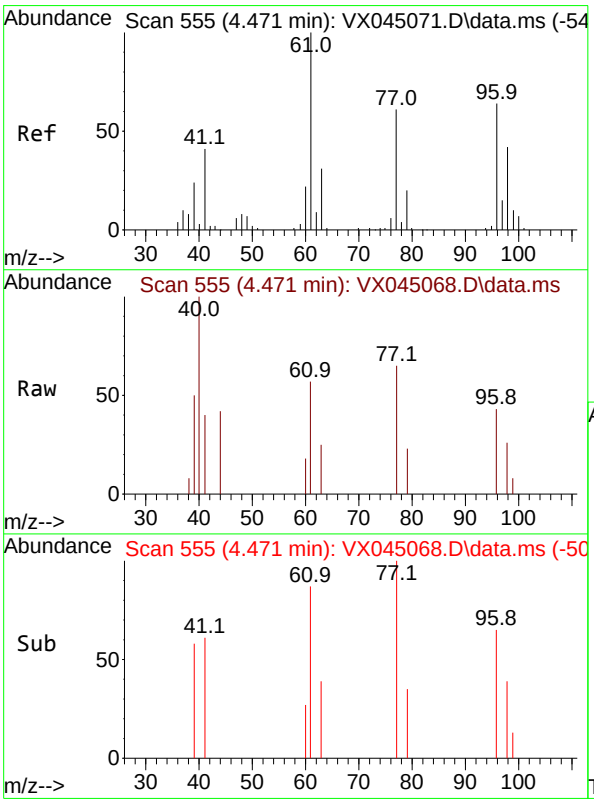
Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

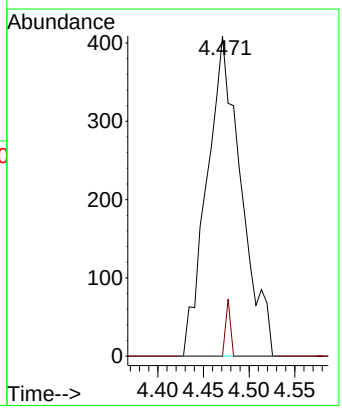


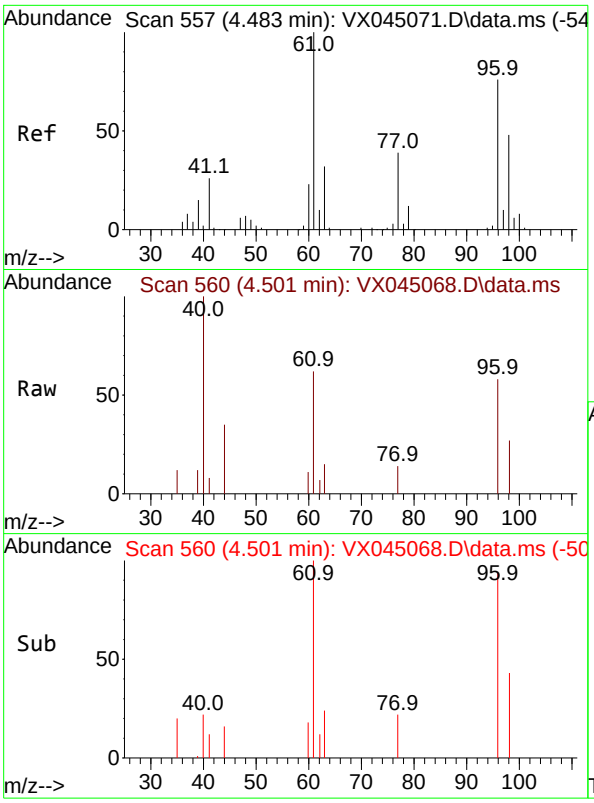


#26
2,2-Dichloropropane
Concen: 0.872 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

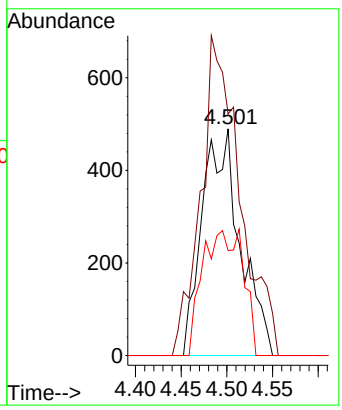
Tgt Ion: 96 Resp: 141

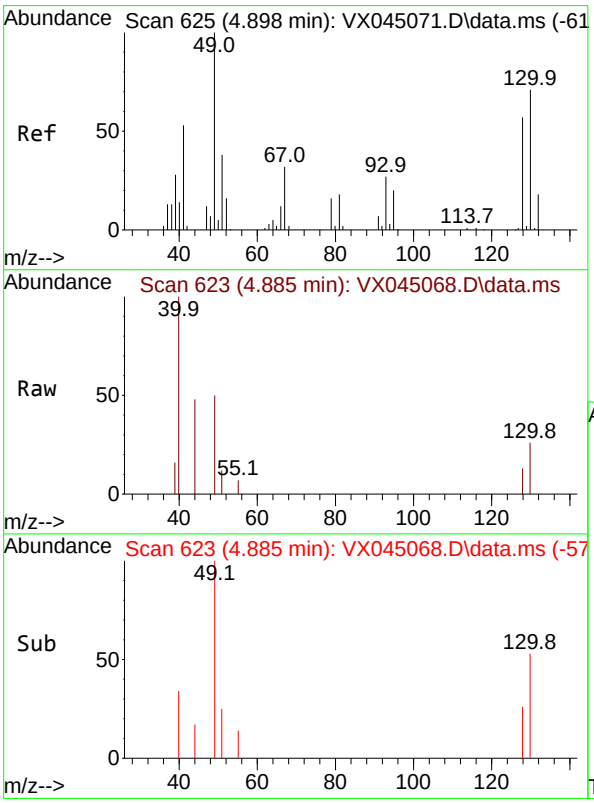
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	283.2
98	59.1	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

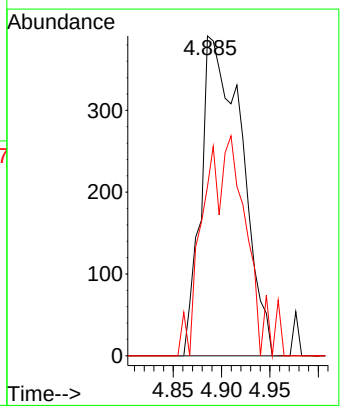


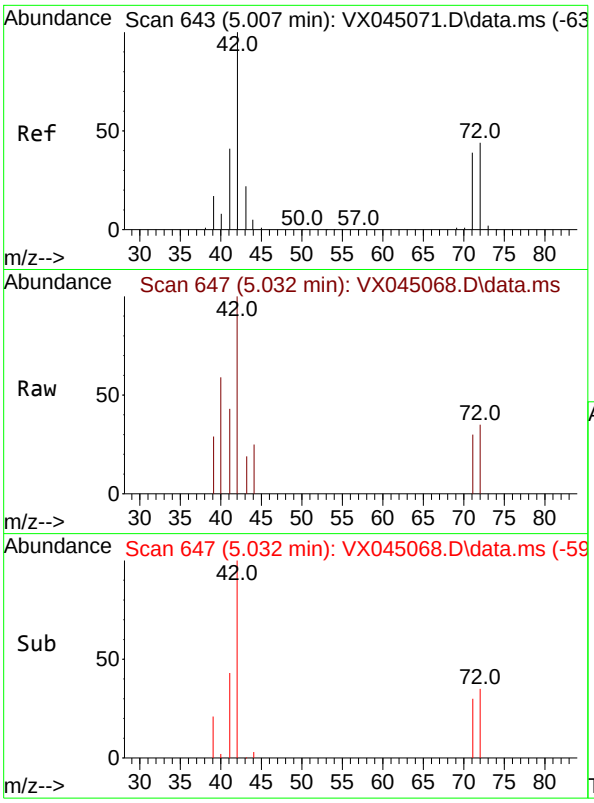


#28
Bromochloromethane
Concen: 0.958 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

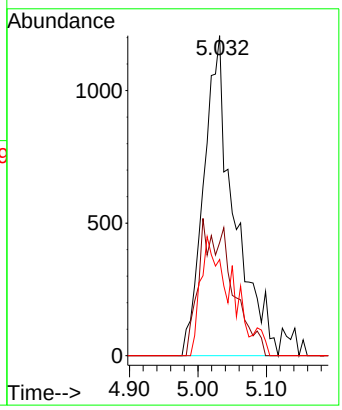
Tgt Ion: 42 Resp: 3719

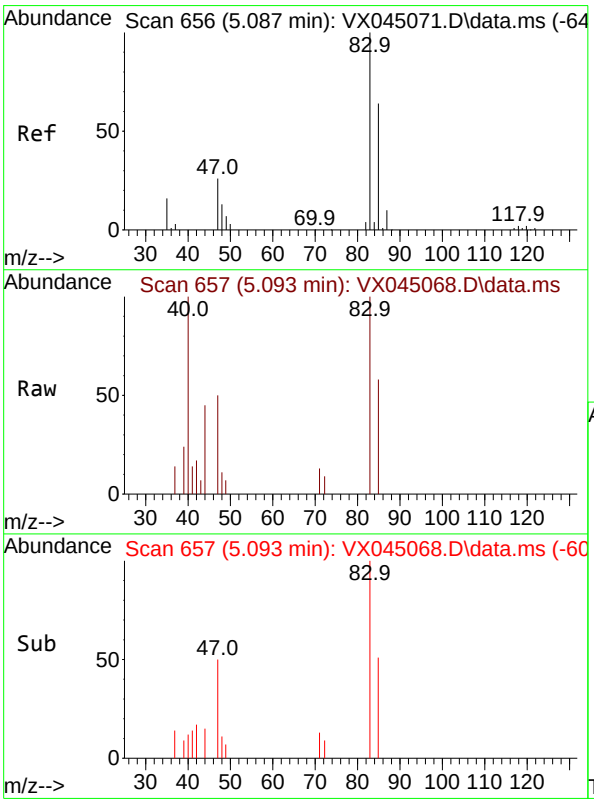
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.1	51.1#
71	0.0	31.4	47.0#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

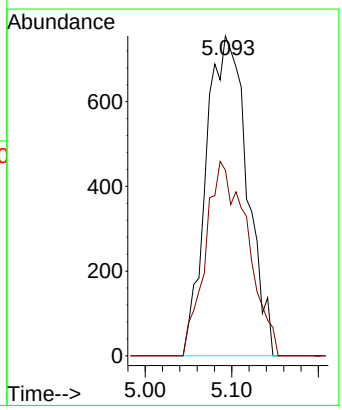


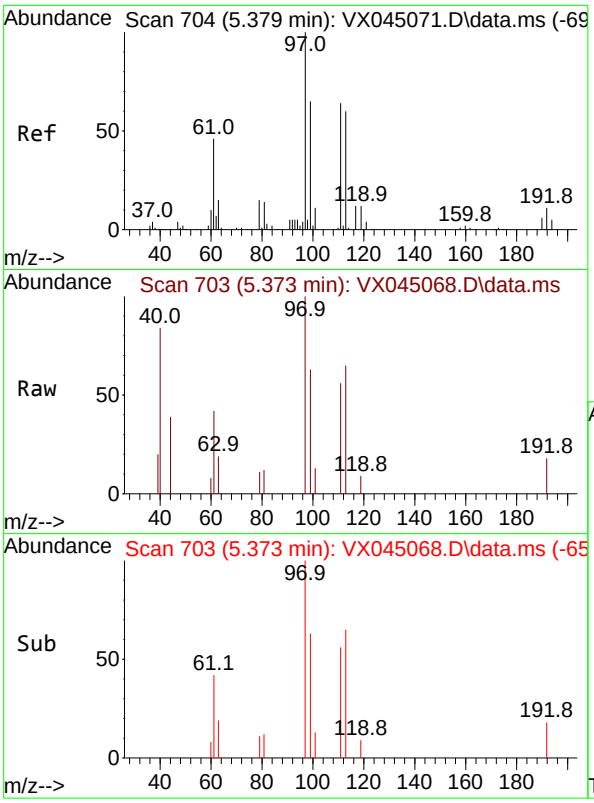


#30
Chloroform
Concen: 0.978 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

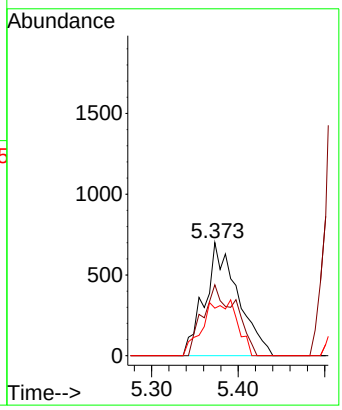
Tgt Ion: 97 Resp: 186

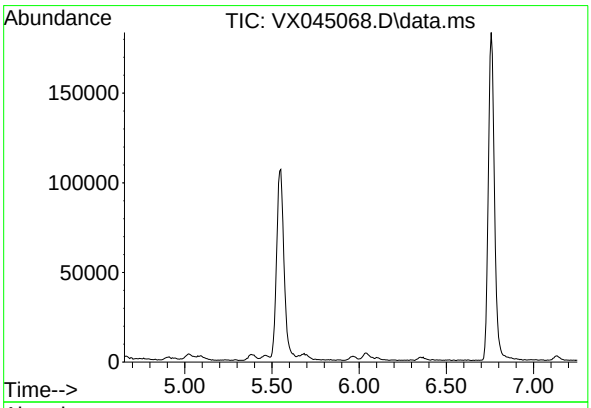
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	50.0	38.4	57.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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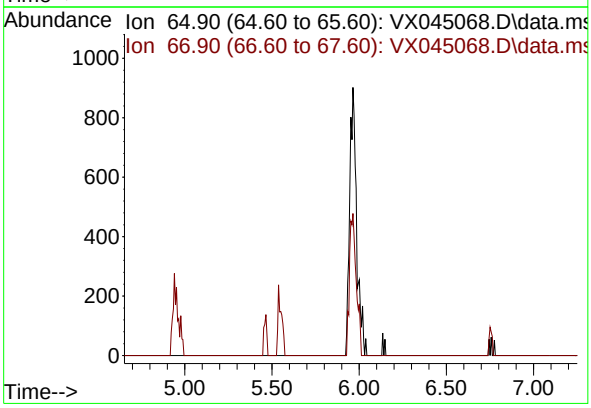


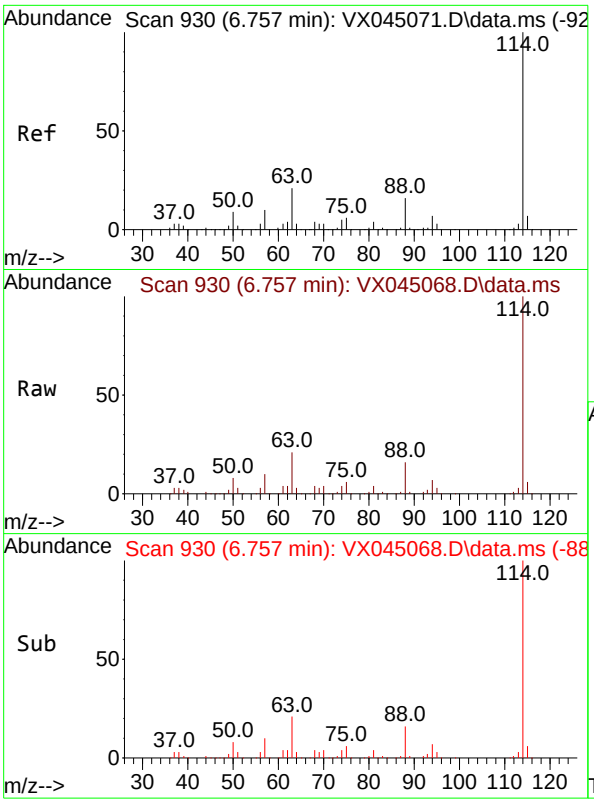
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

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

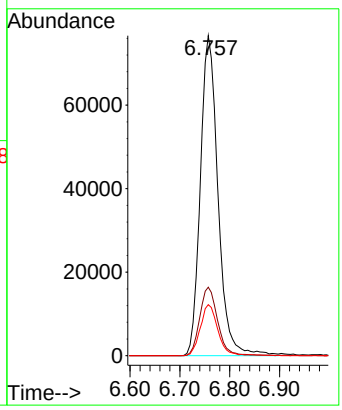
Tgt Ion:114 Resp: 18864

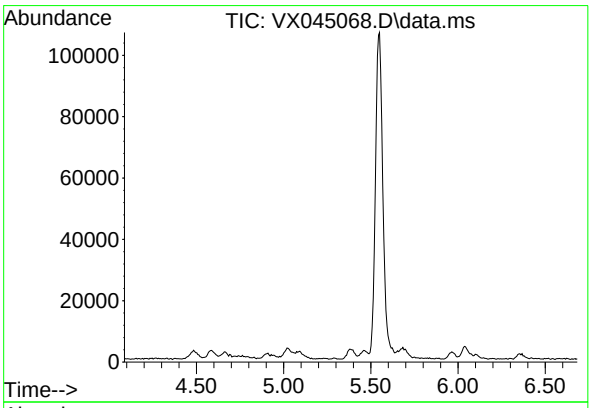
Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	41.8
88	16.0	0.0	32.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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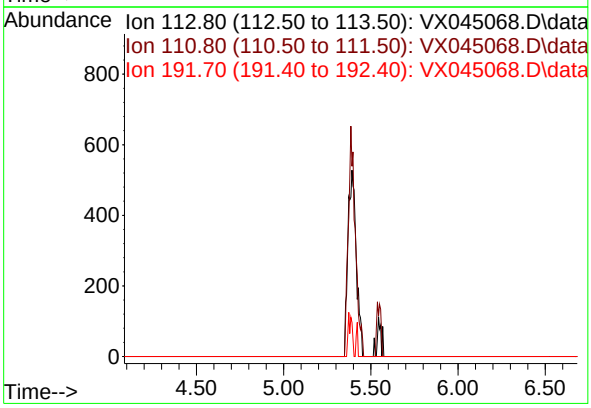


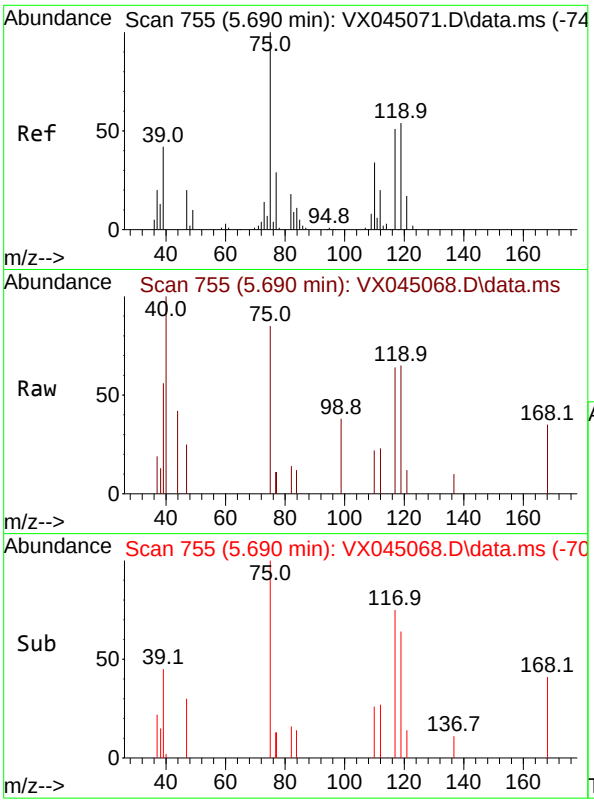
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.39 min

Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	102.2
192	17.9

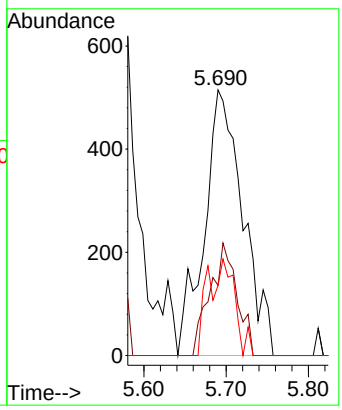




#36
1,1-Dichloropropene
Concen: 0.967 ug/l
RT: 5.690 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 168

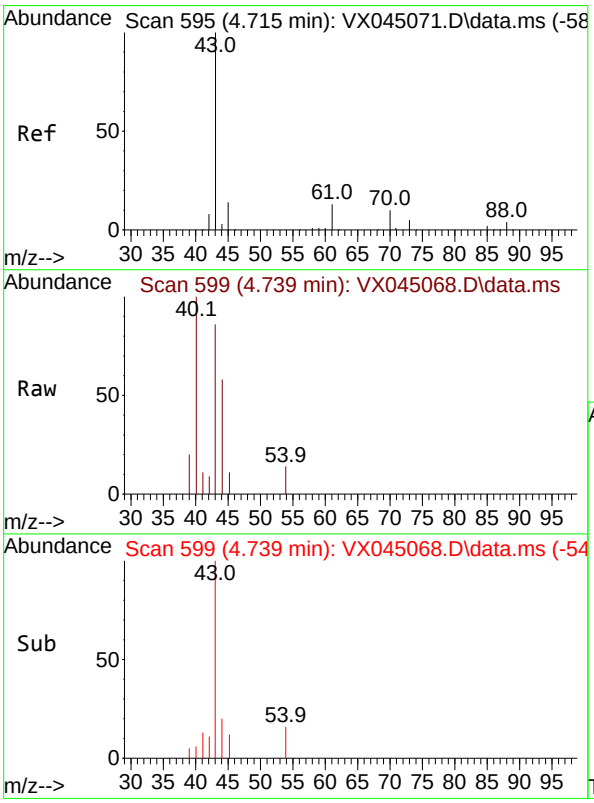
Ion	Ratio	Lower	Upper
75	100		
110	29.6	16.9	50.6
77	16.4	24.5	36.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

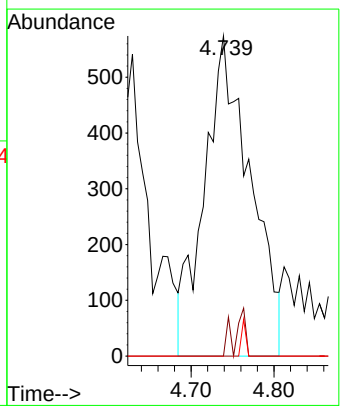
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

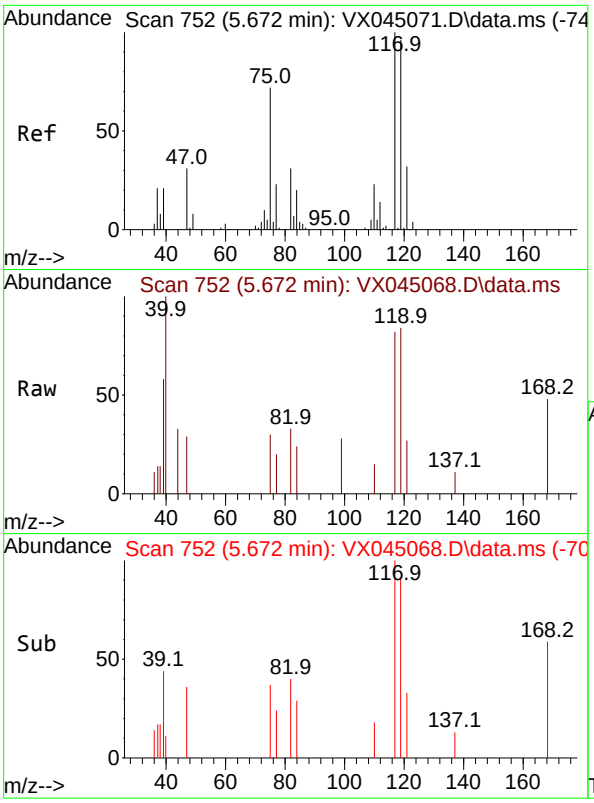


#37
Ethyl Acetate
Concen: 0.988 ug/l m
RT: 4.739 min Scan# 599
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

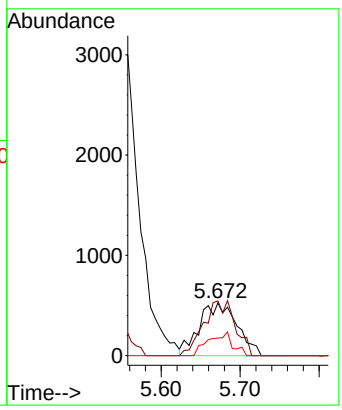




#38
Carbon Tetrachloride
Concen: 0.987 ug/l m
RT: 5.672 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 174

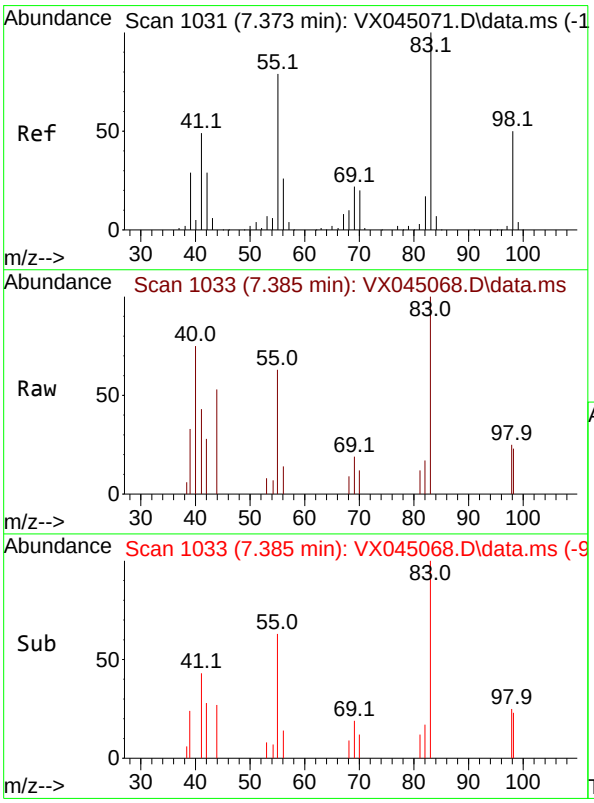
Ion	Ratio	Lower	Upper
117	100		
119	103.4	76.7	115.1
121	33.2	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

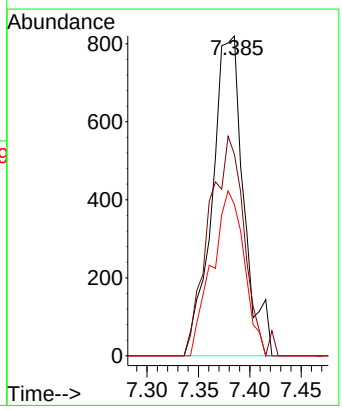
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

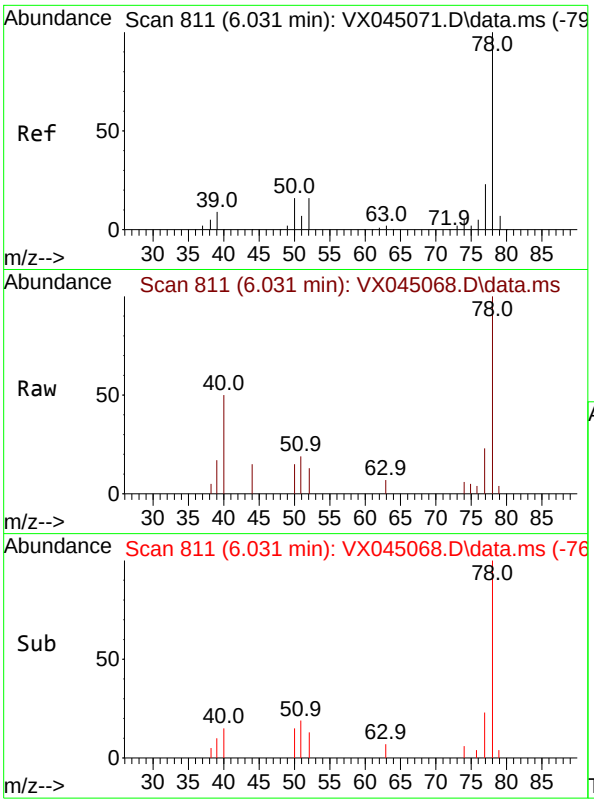


#39
Methylcyclohexane
Concen: 0.831 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

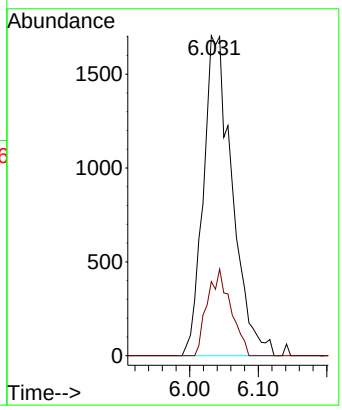




#40
Benzene
Concen: 0.907 ug/l
RT: 6.031 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 78 Resp: 498

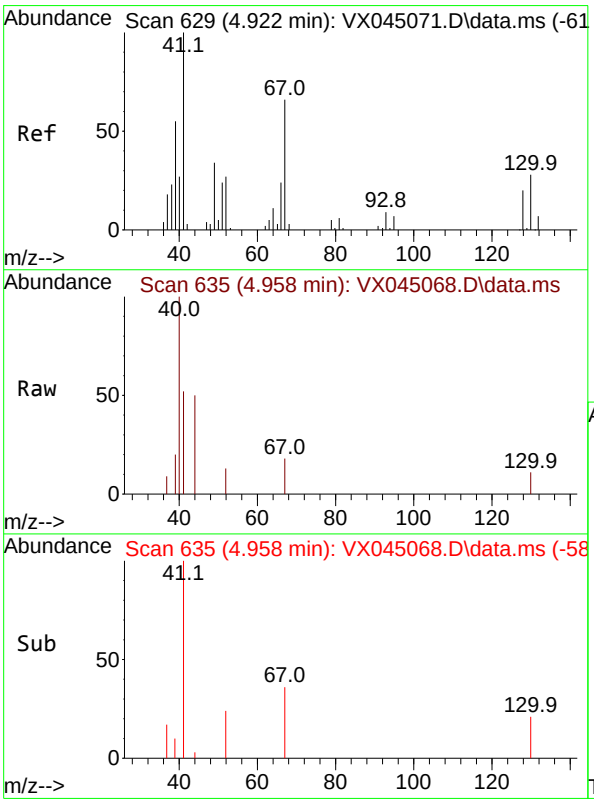
Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

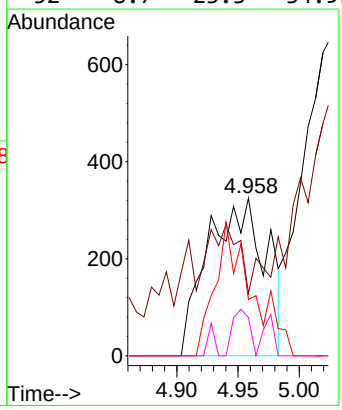
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

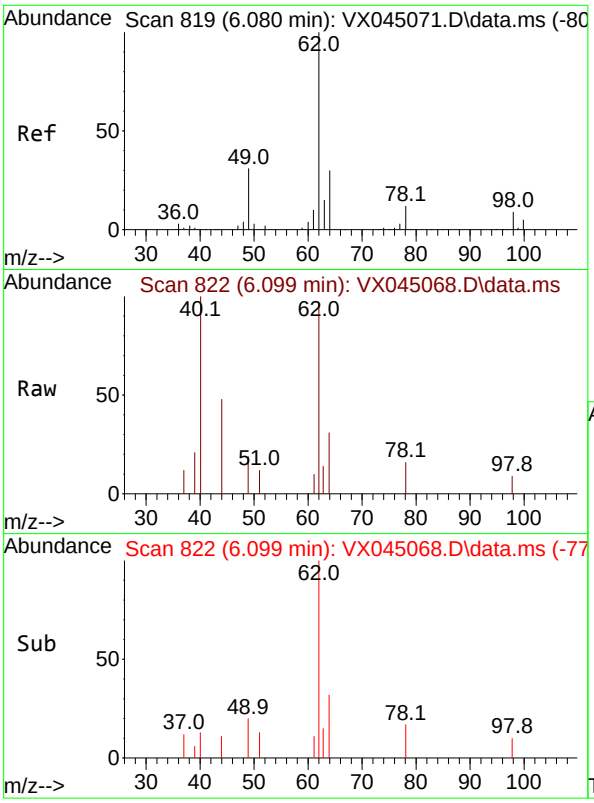


#41
Methacrylonitrile
Concen: 0.879 ug/l m
RT: 4.958 min Scan# 635
Delta R.T. 0.037 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

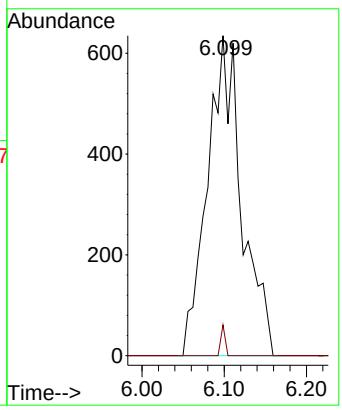




#42
1,2-Dichloroethane
Concen: 0.924 ug/l
RT: 6.099 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 183

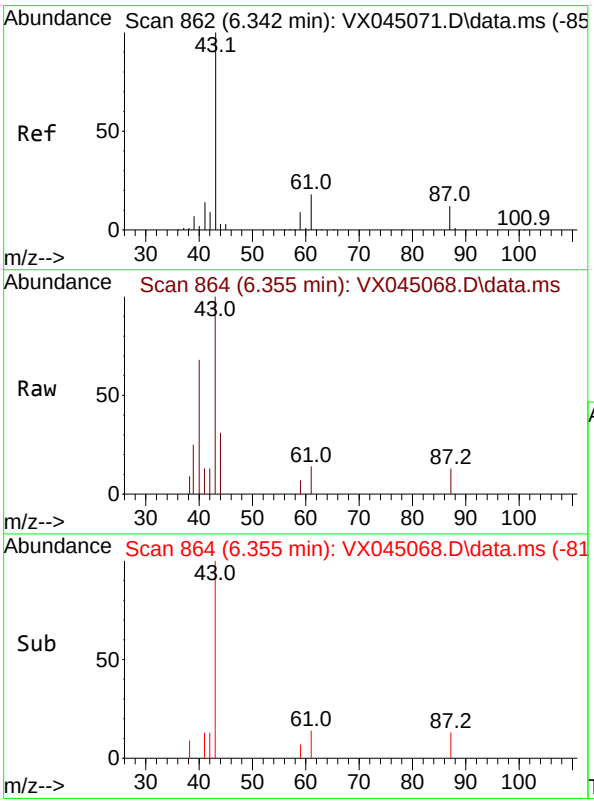
Ion	Ratio	Lower	Upper
62	100		
98	1.2	0.0	18.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

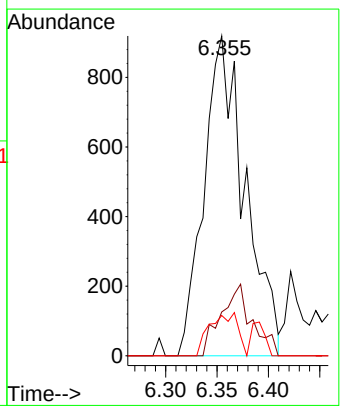
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

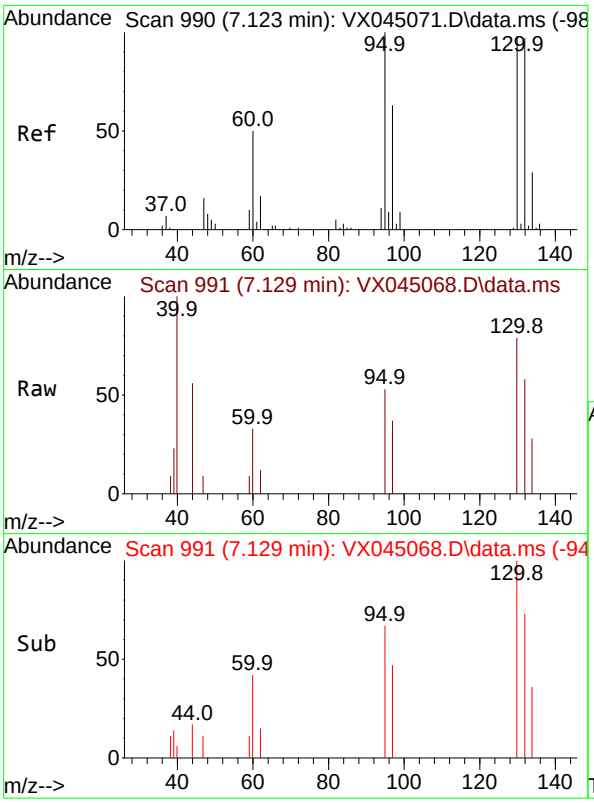


#43
Isopropyl Acetate
Concen: 0.767 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

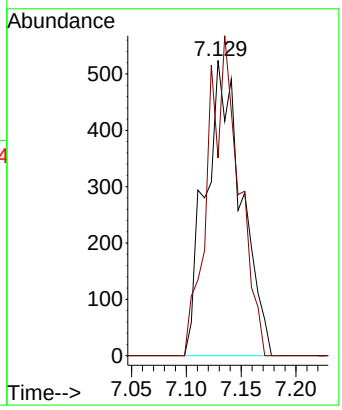
Tgt Ion:130 Resp: 120

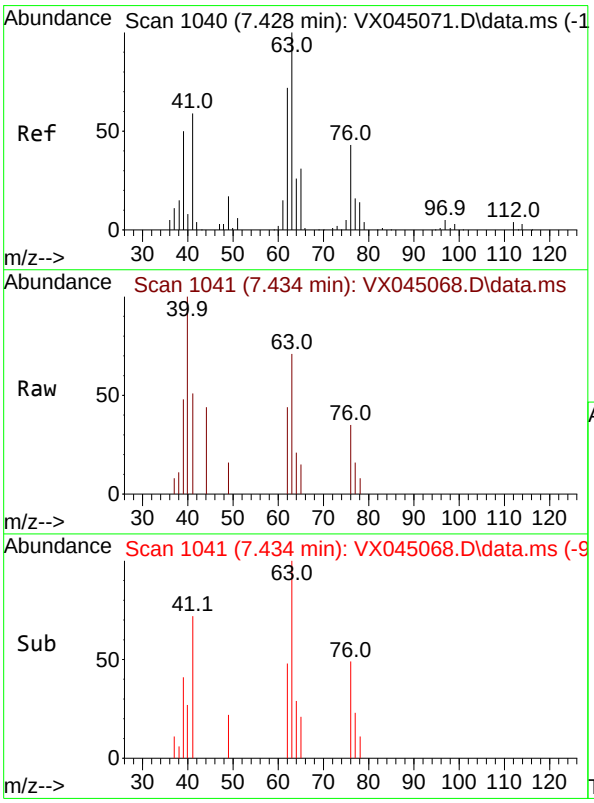
Ion	Ratio	Lower	Upper
130	100		
95	67.0	0.0	205.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

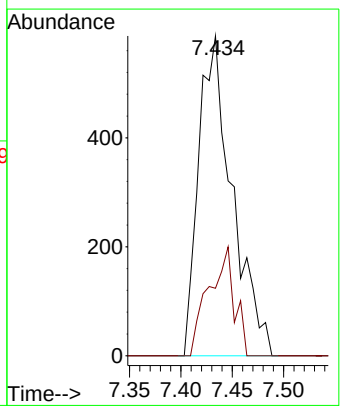


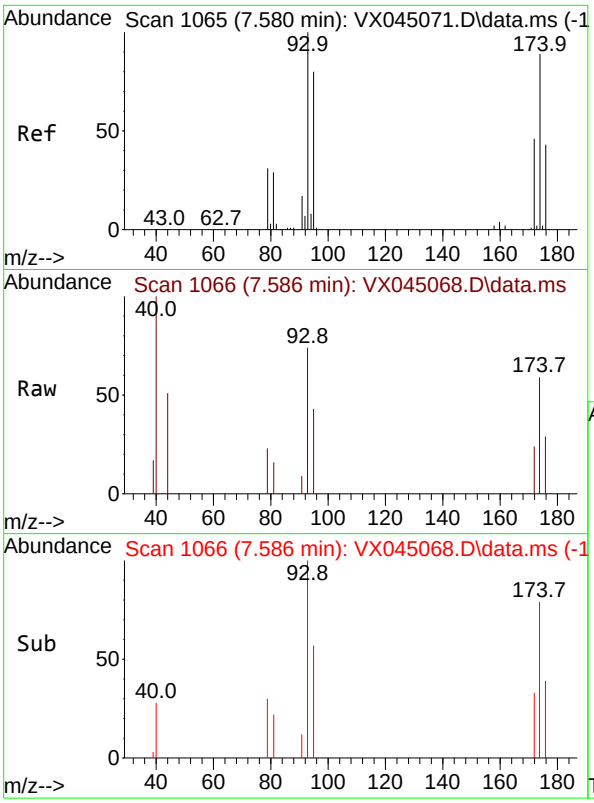


#45
1,2-Dichloropropane
Concen: 0.971 ug/l
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 1334

Ion	Ratio	Lower	Upper
63	100		
65	21.1	24.7	37.1#

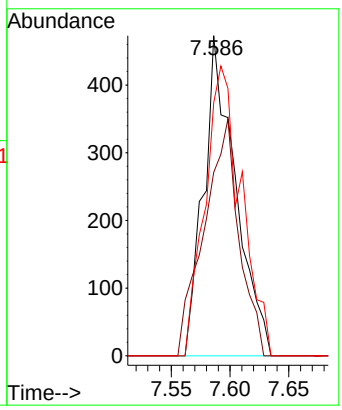




#46
Dibromomethane
Concen: 0.897 ug/l
RT: 7.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 93 Resp: 89

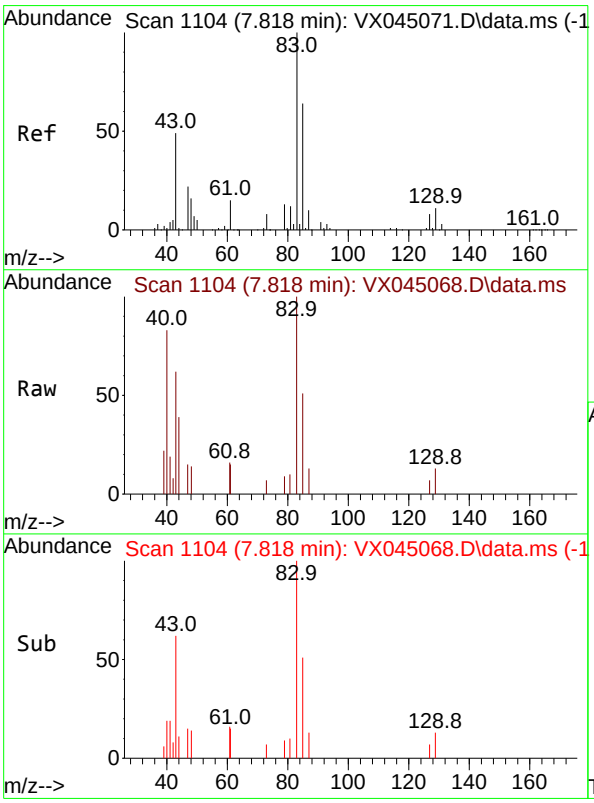
Ion	Ratio	Lower	Upper
93	100		
95	80.9	65.8	98.8
174	102.8	72.2	108.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

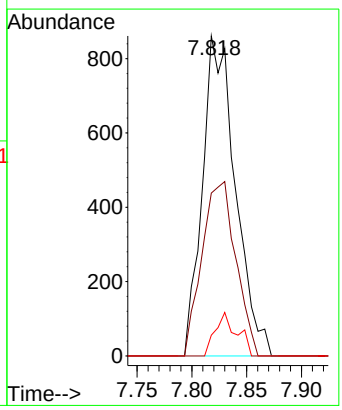
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

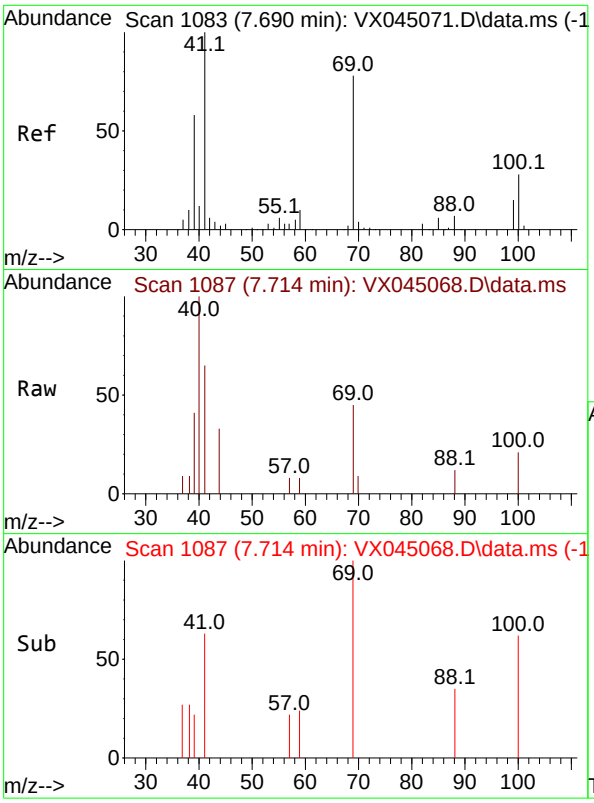


#47
Bromodichloromethane
Concen: 0.927 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

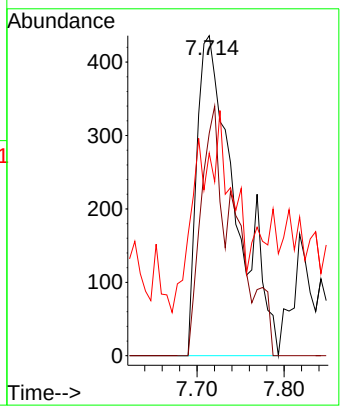
Tgt Ion: 41 Resp: 132

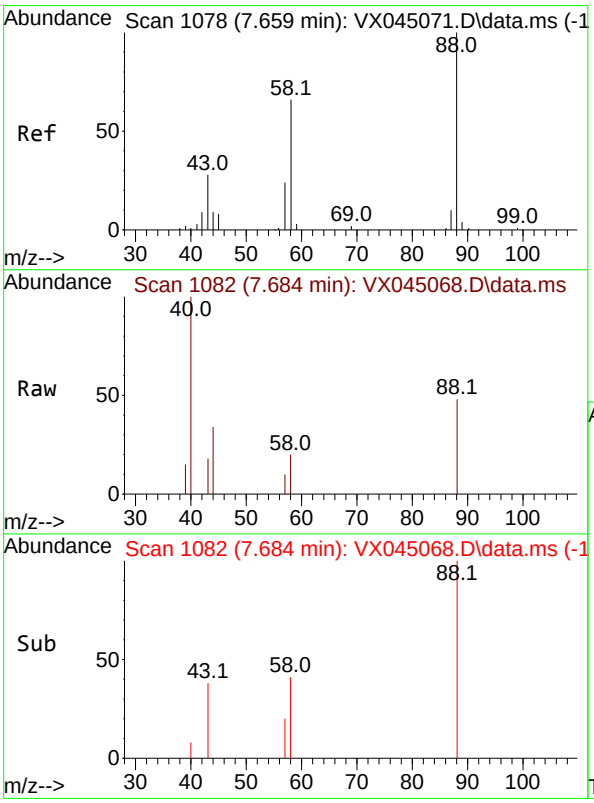
Ion	Ratio	Lower	Upper
41	100		
69	41.4	63.0	94.6#
39	20.7	47.5	71.3#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

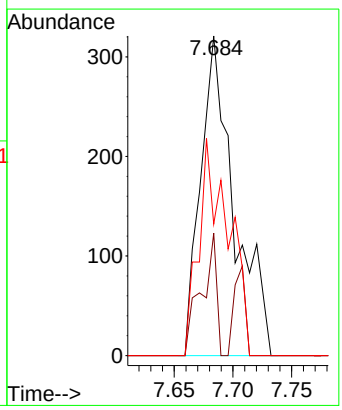


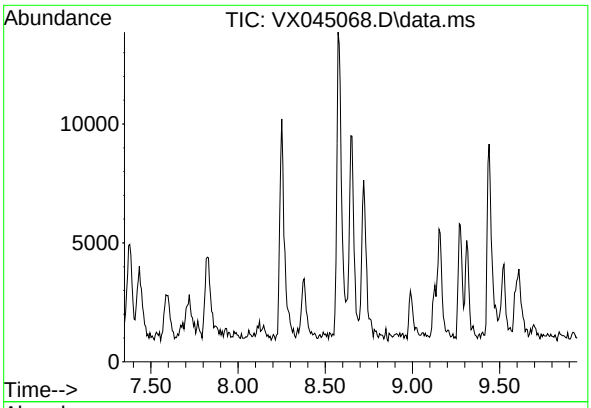


#49
1,4-Dioxane
Concen: 18.144 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

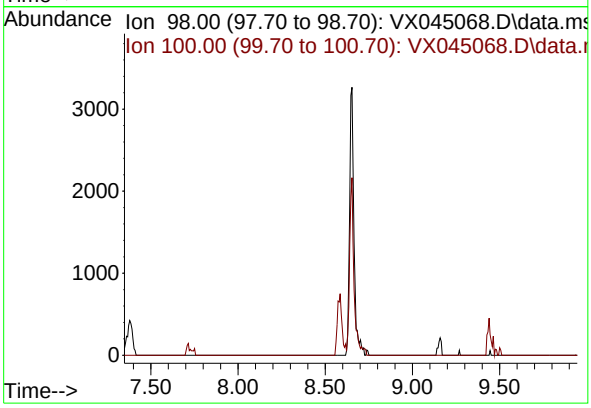
Tgt Ion: 98

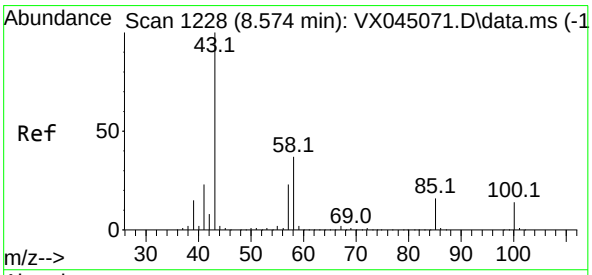
Sig	Exp Ratio
98	100
100	65.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

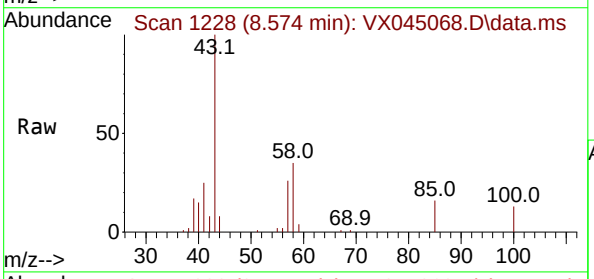


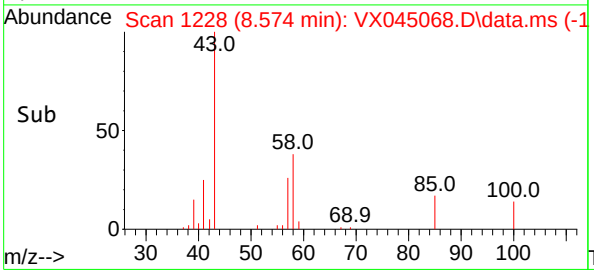


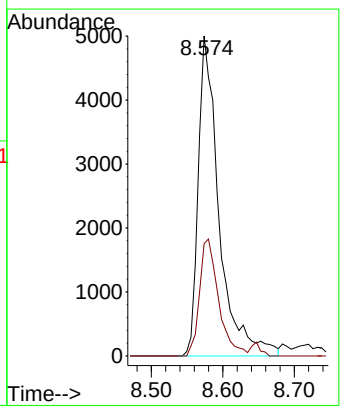
#51
4-Methyl-2-Pentanone
Concen: 4.567 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

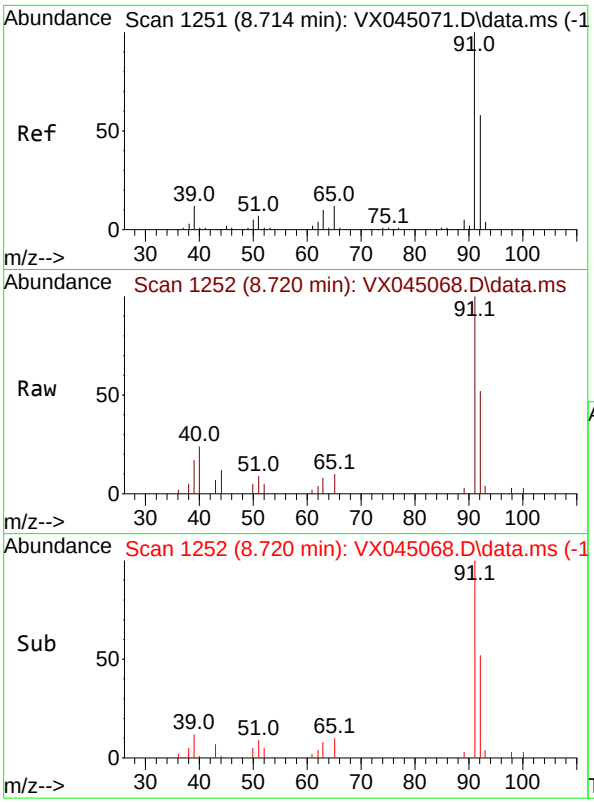
Tgt Ion: 43 Resp: 10091

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

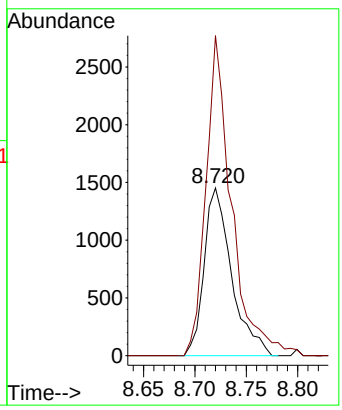
Tgt Ion: 92 Resp: 270

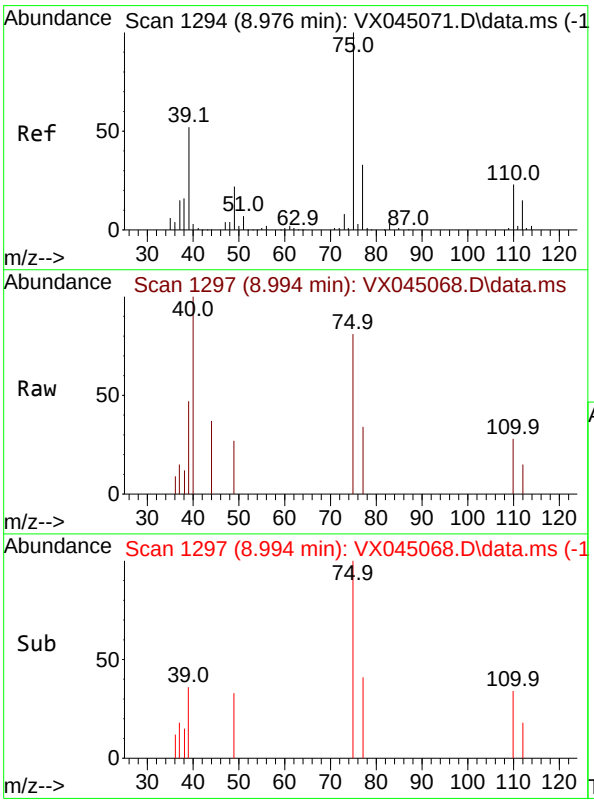
Ion	Ratio	Lower	Upper
92	100		
91	177.7	138.9	208.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

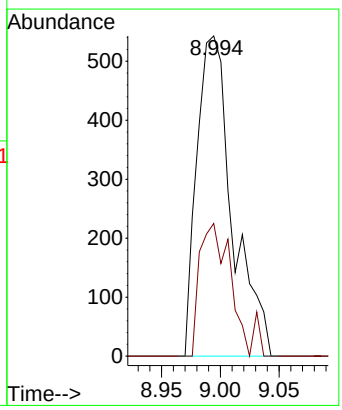


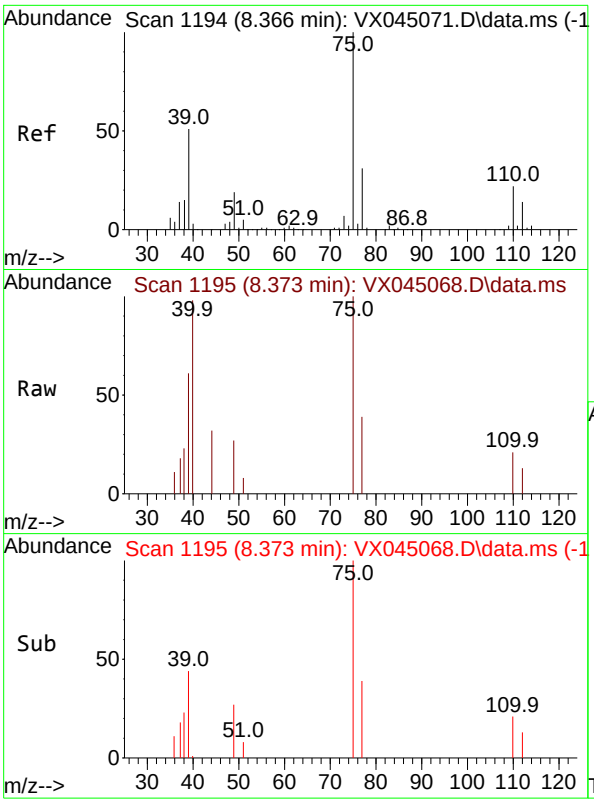


#53
t-1,3-Dichloropropene
Concen: 0.700 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1147

Ion	Ratio	Lower	Upper
75	100		
77	41.4	26.5	39.7#

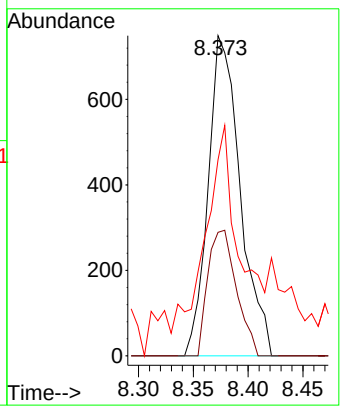




#54
cis-1,3-Dichloropropene
Concen: 0.804 ug/l
RT: 8.373 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 152

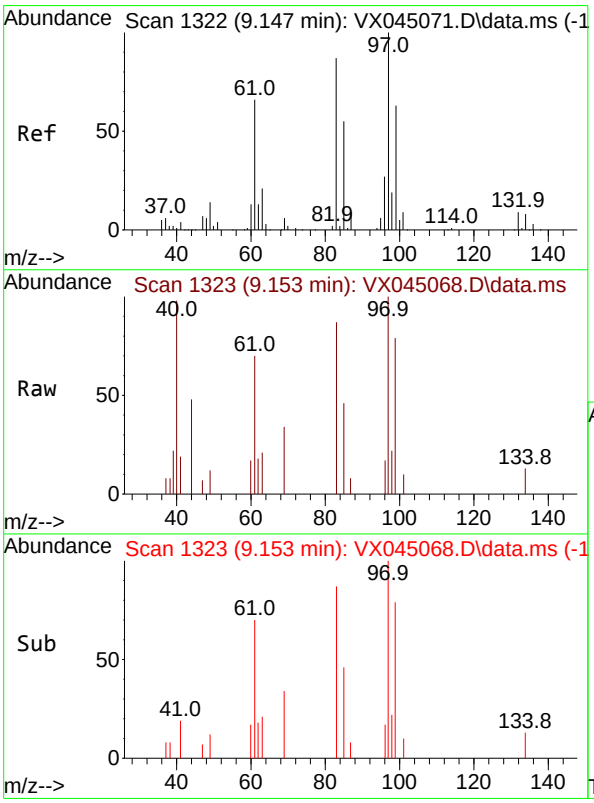
Ion	Ratio	Lower	Upper
75	100		
77	38.6	24.7	37.1#
39	45.1	40.7	61.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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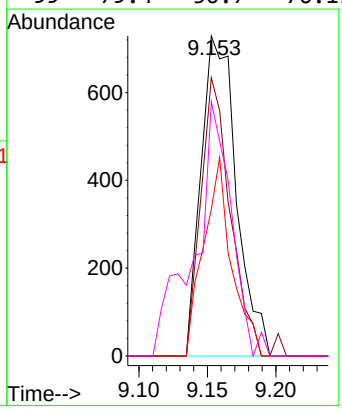
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

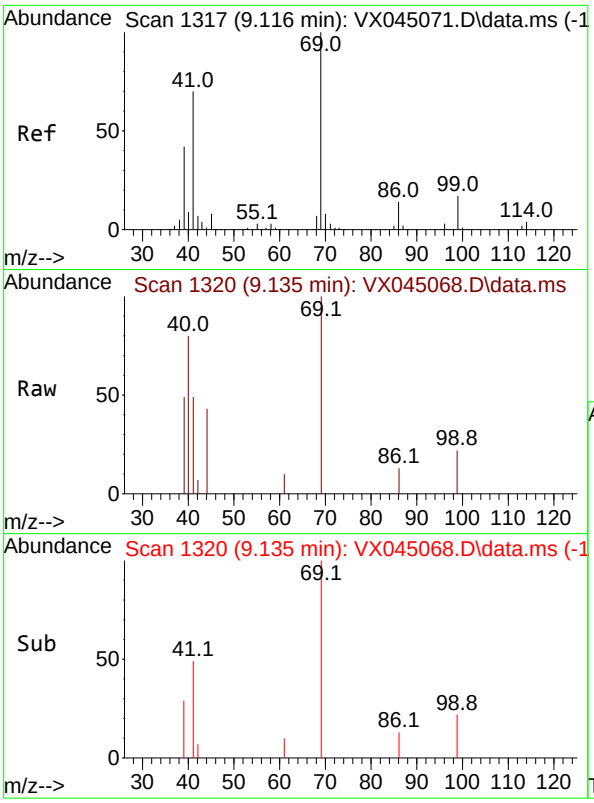


#55
1,1,2-Trichloroethane
Concen: 1.004 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

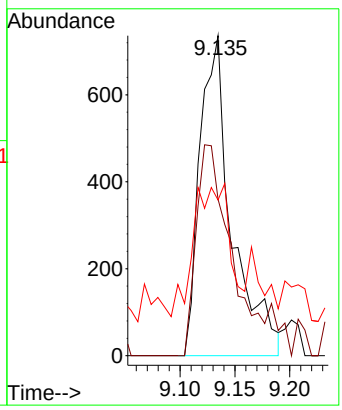
Tgt Ion: 69 Resp: 149

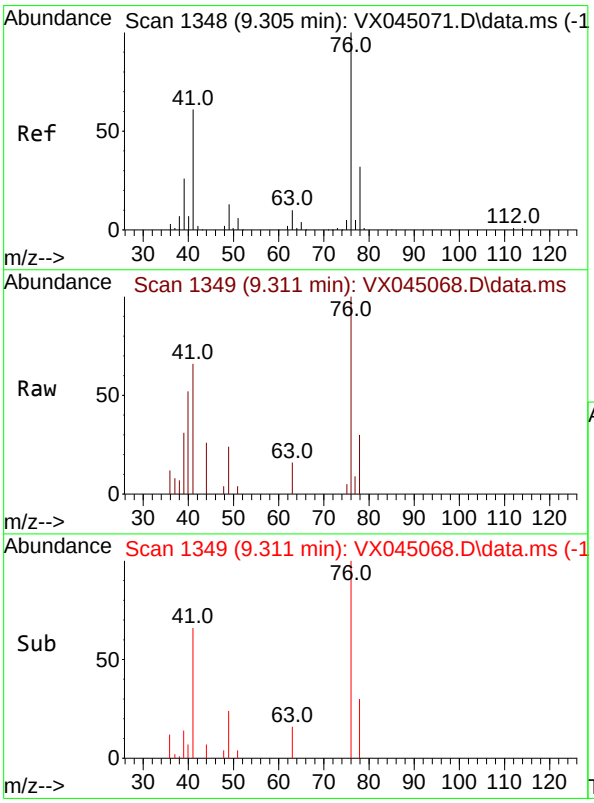
Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.0	85.4
39	54.6	34.2	51.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

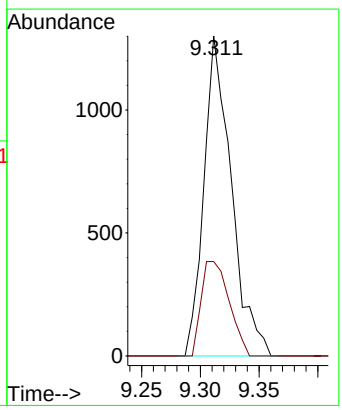


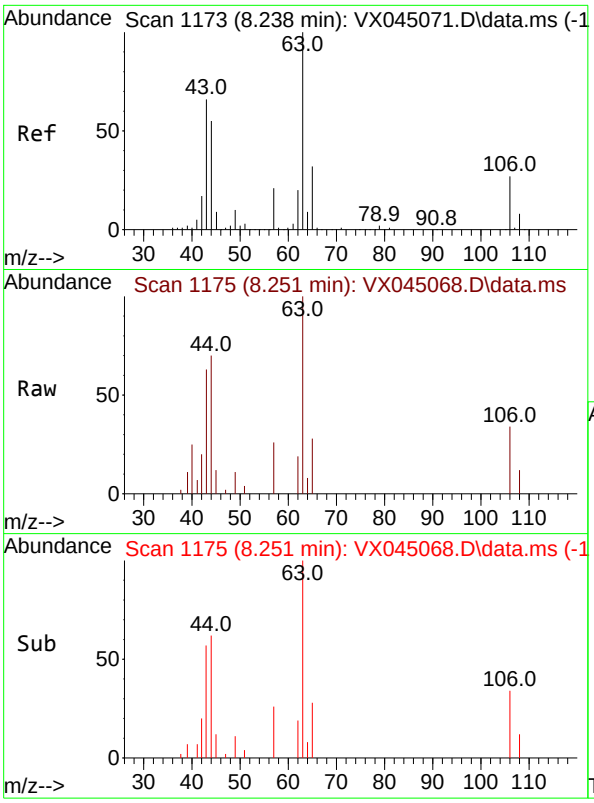


#57
1,3-Dichloropropane
Concen: 0.920 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

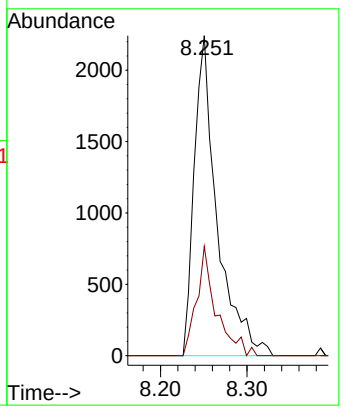
Tgt Ion: 63 Resp: 411

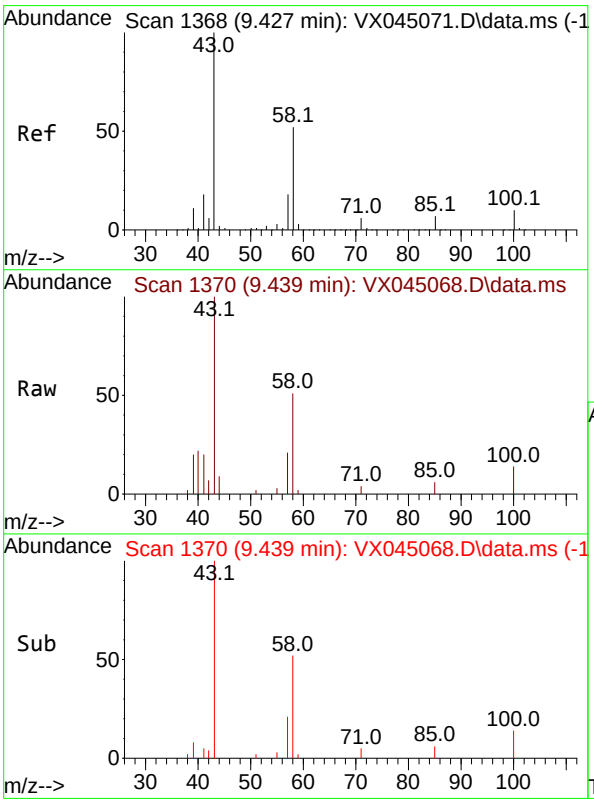
Ion	Ratio	Lower	Upper
63	100		
106	29.2	21.5	32.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

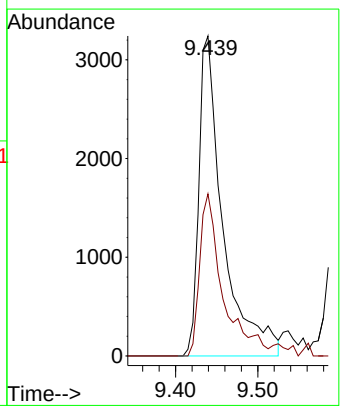


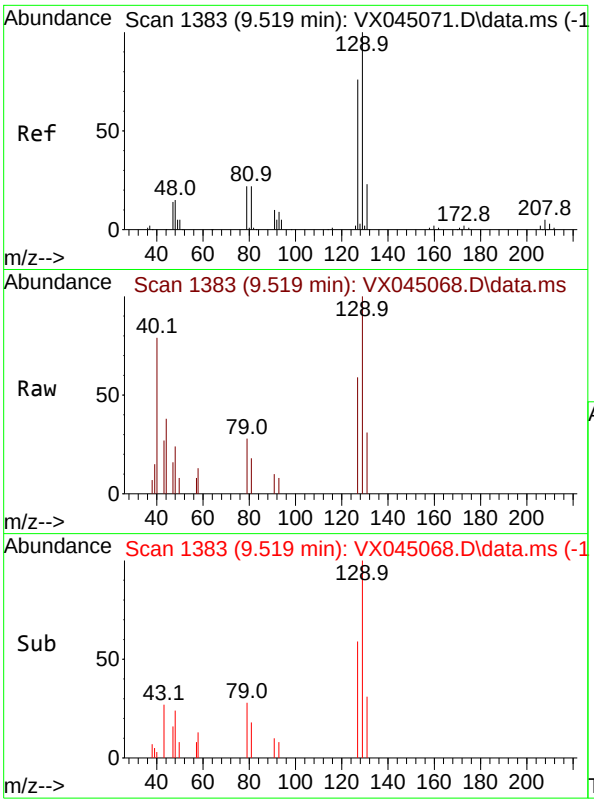


#59
2-Hexanone
Concen: 4.153 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 6582

Ion	Ratio	Lower	Upper
43	100		
58	48.7	25.9	77.6

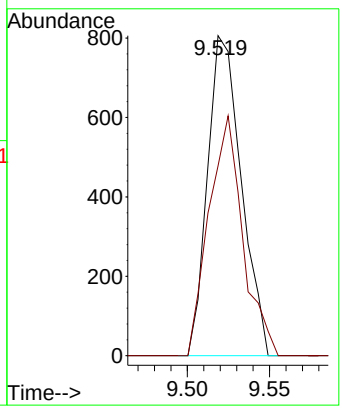




#60
Dibromochloromethane
Concen: 0.835 ug/l
RT: 9.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:129 Resp: 115

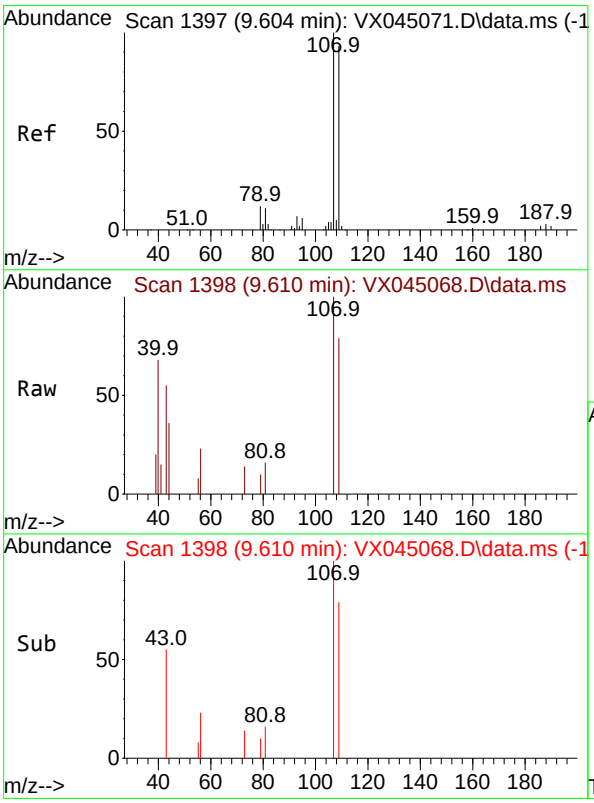
Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.5	115.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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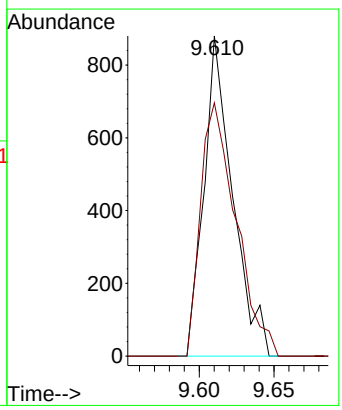
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

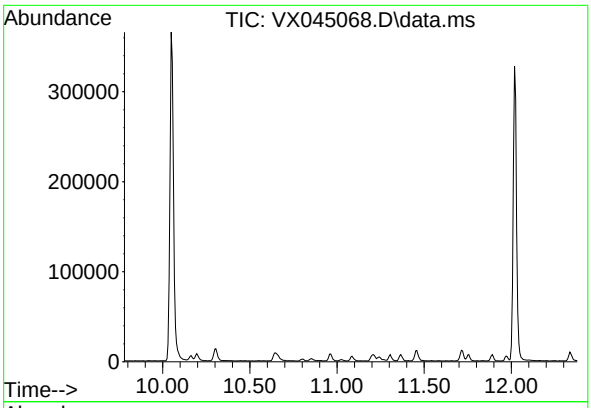


#61
1,2-Dibromoethane
Concen: 0.890 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

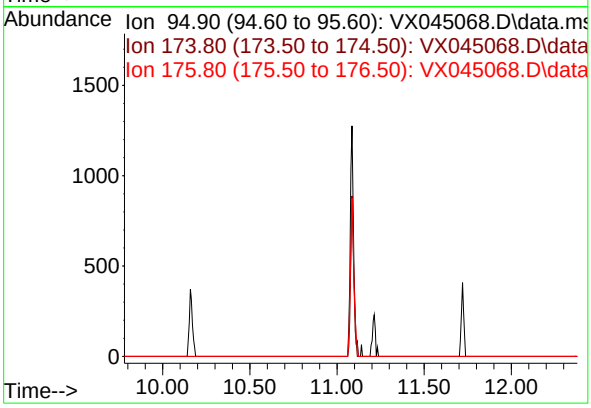
Tgt Ion: 95

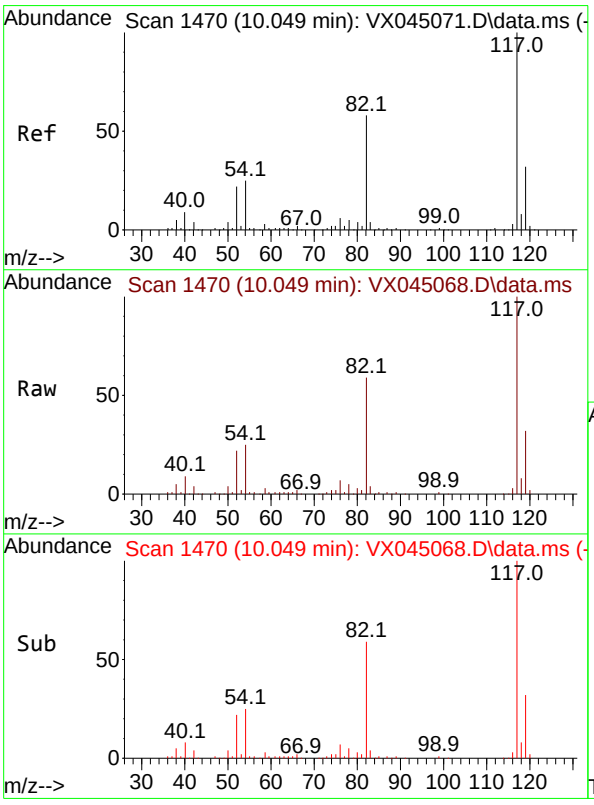
Sig	Exp Ratio
95	100
174	74.1
176	70.7

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

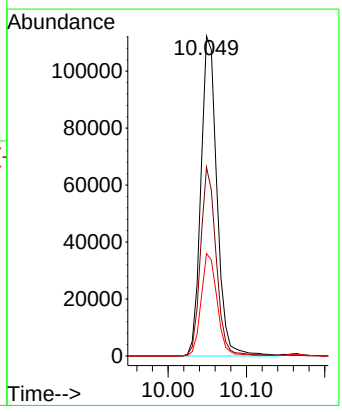


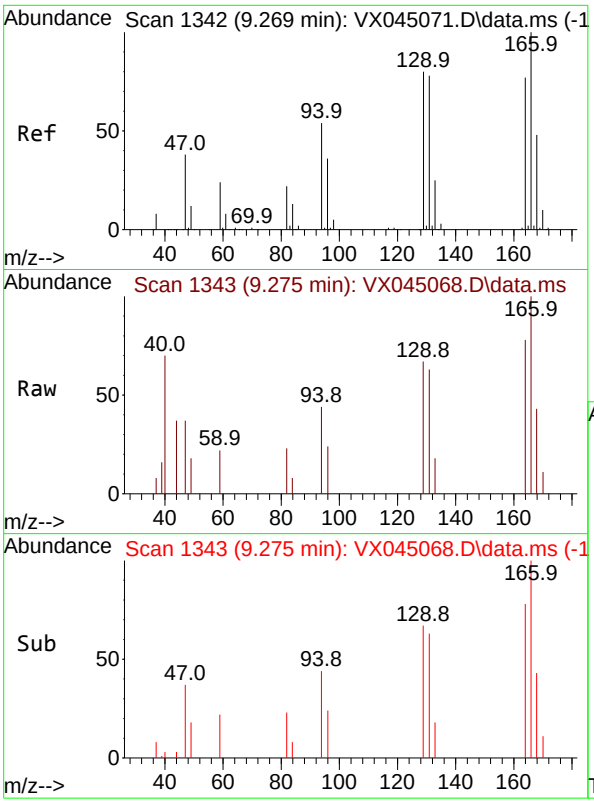


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

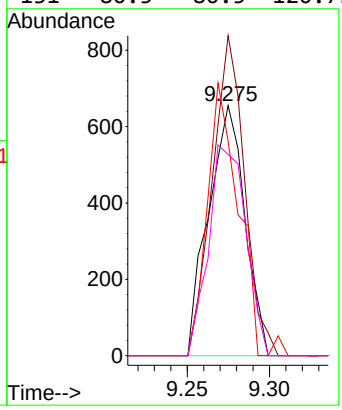




#64
Tetrachloroethene
Concen: 0.986 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:164 Resp: 100

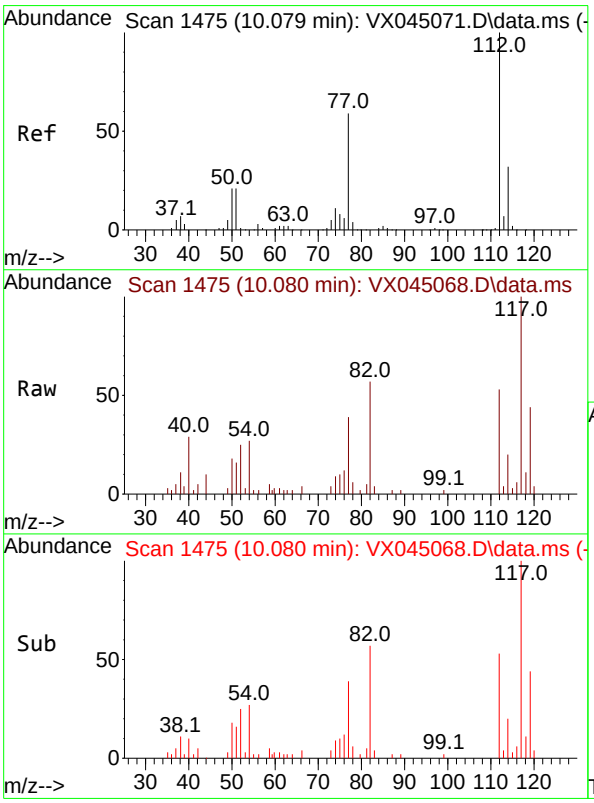
Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.6	155.4
129	85.8	82.7	124.1
131	80.5	80.5	120.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

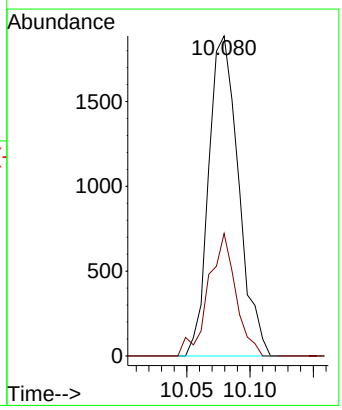
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

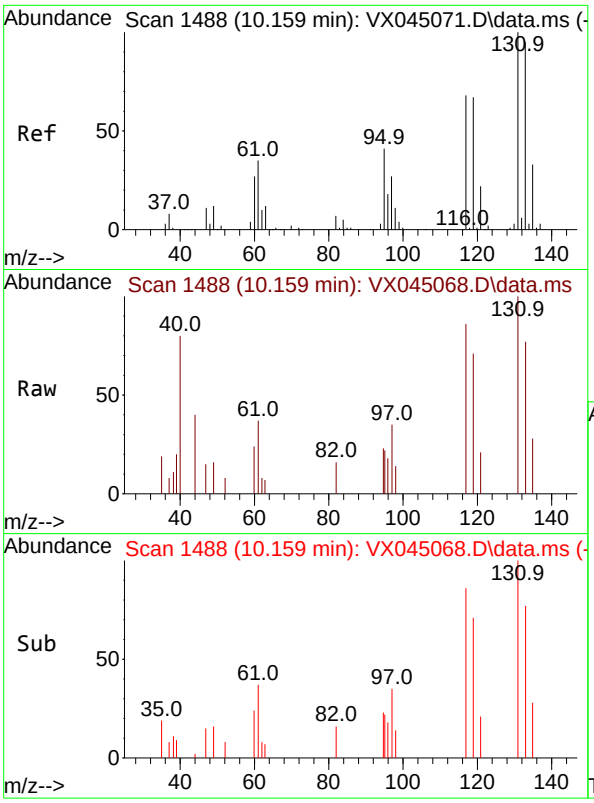


#65
Chlorobenzene
Concen: 0.908 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

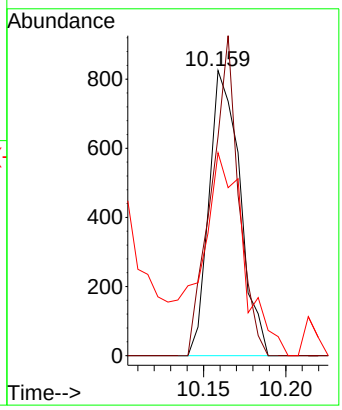
Tgt Ion:131 Resp: 107

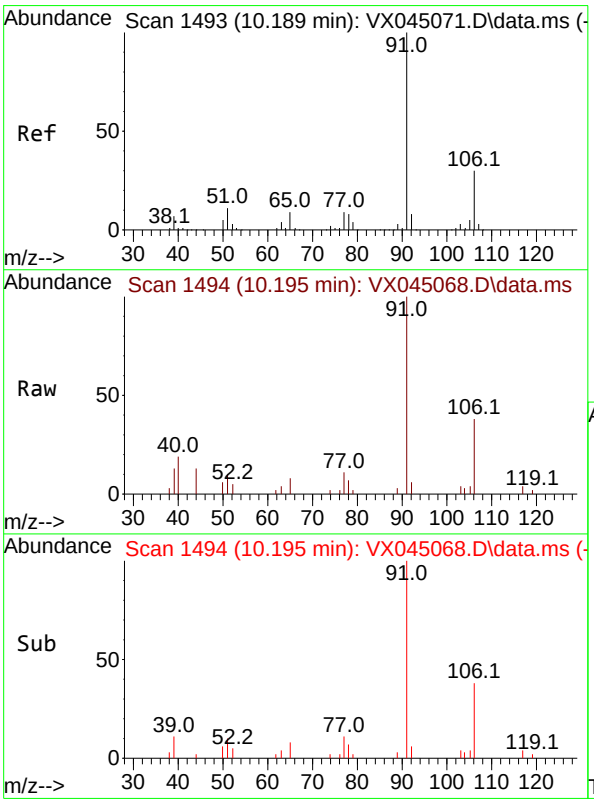
Ion	Ratio	Lower	Upper
131	100		
133	98.6	48.6	145.9
119	0.0	33.9	101.7#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

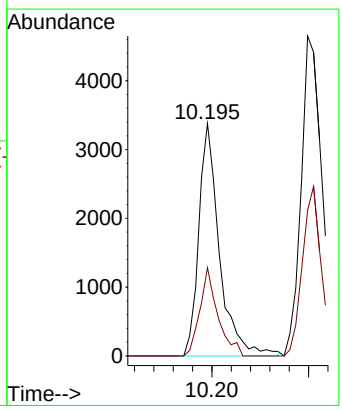


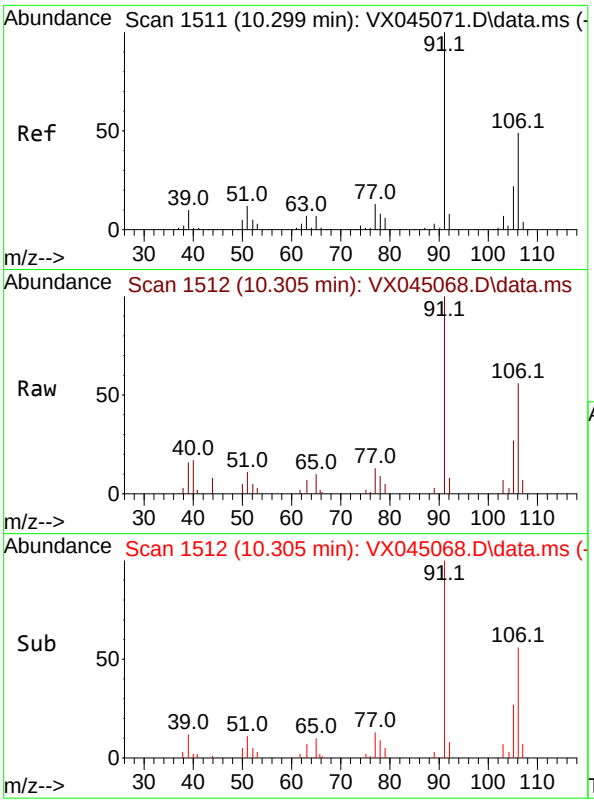


#67
Ethyl Benzene
Concen: 0.846 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

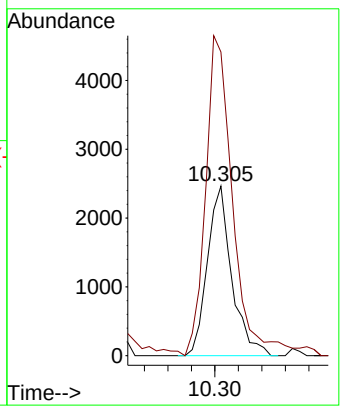
Tgt Ion:106 Resp: 355

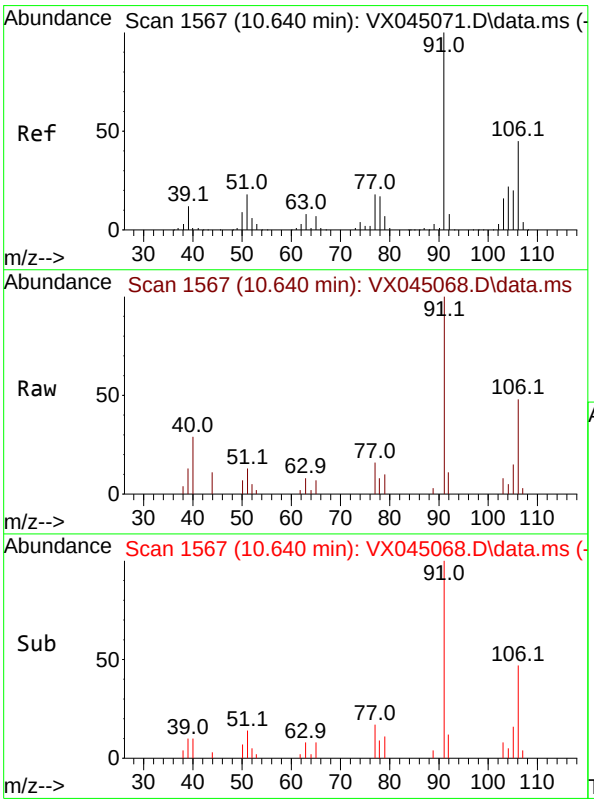
Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

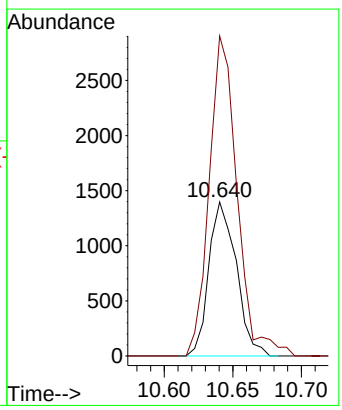


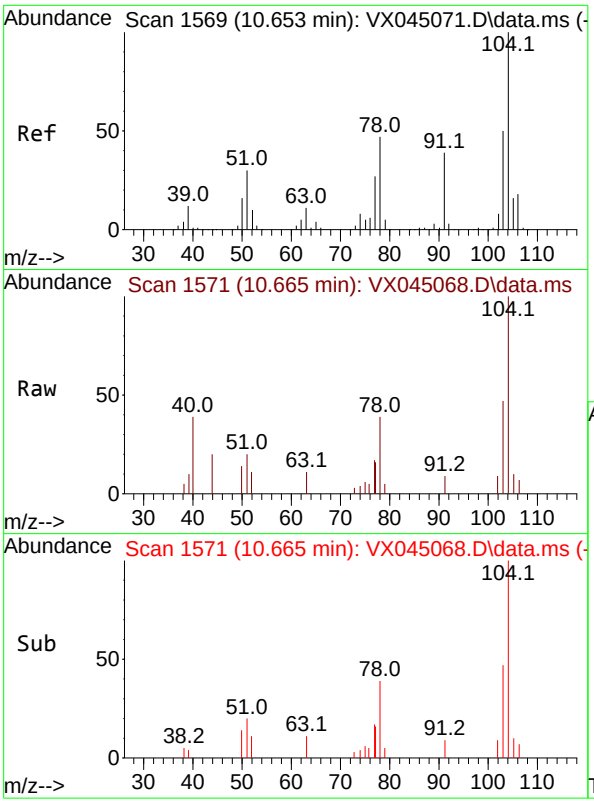


#69
o-Xylene
Concen: 0.891 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 1949

Ion	Ratio	Lower	Upper
106	100		
91	211.0	109.9	329.6

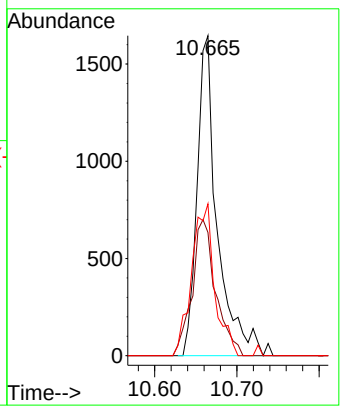




#70
Styrene
Concen: 0.802 ug/l
RT: 10.665 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:104 Resp: 281

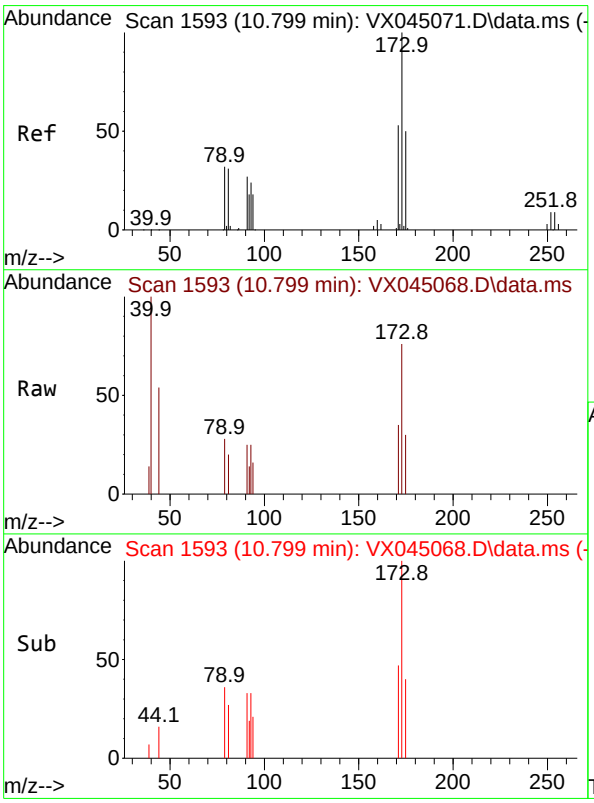
Ion	Ratio	Lower	Upper
104	100		
78	49.7	42.2	63.4
103	53.6	43.8	65.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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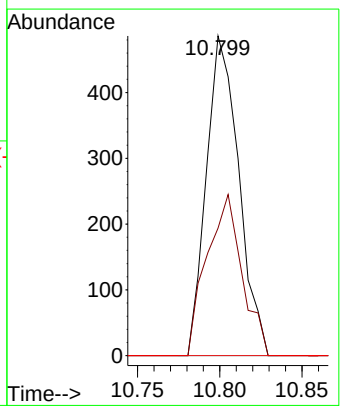
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

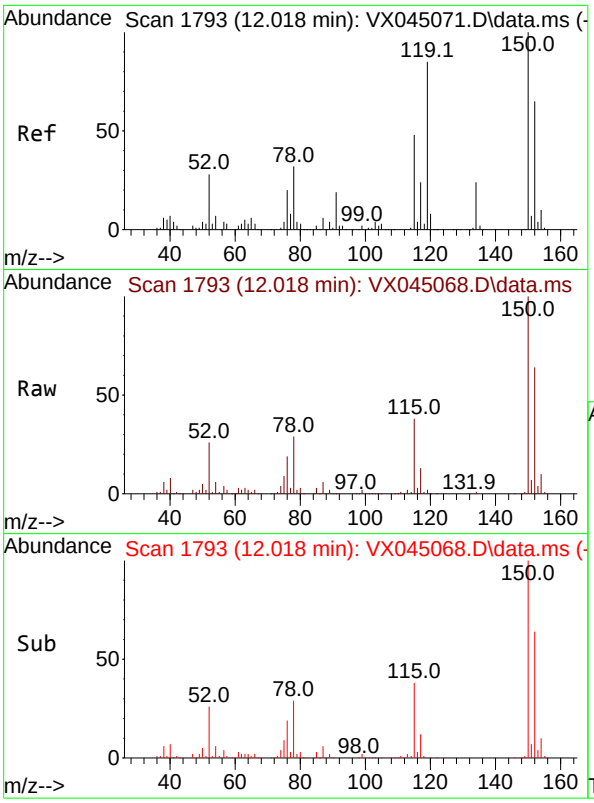


#71
Bromoform
Concen: 0.768 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

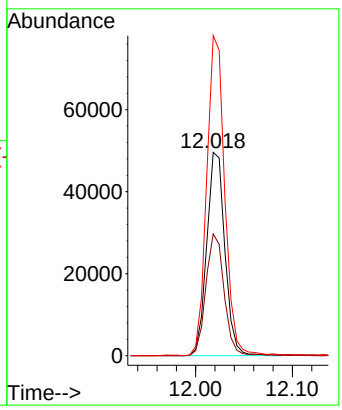




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:152 Resp: 6484

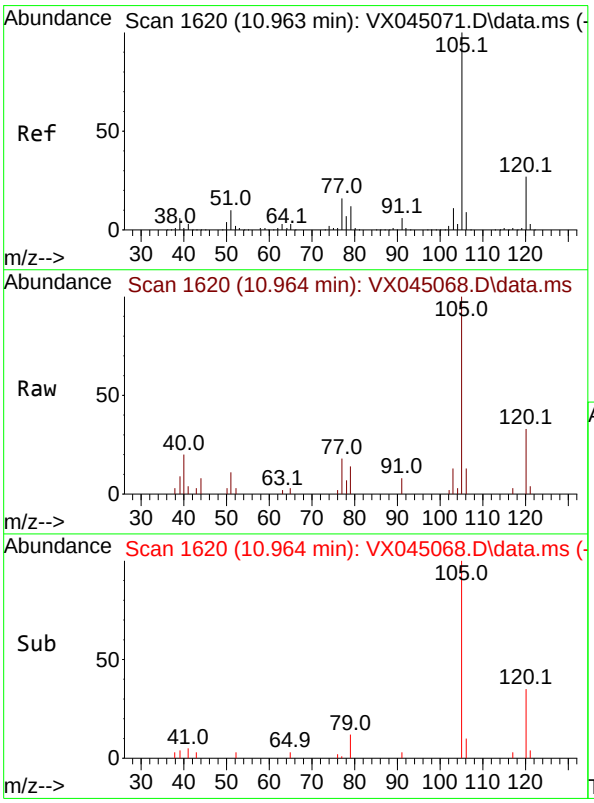
Ion	Ratio	Lower	Upper
152	100		
115	60.3	44.2	132.6
150	157.1	0.0	349.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

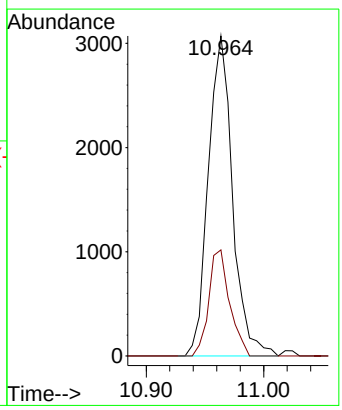
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

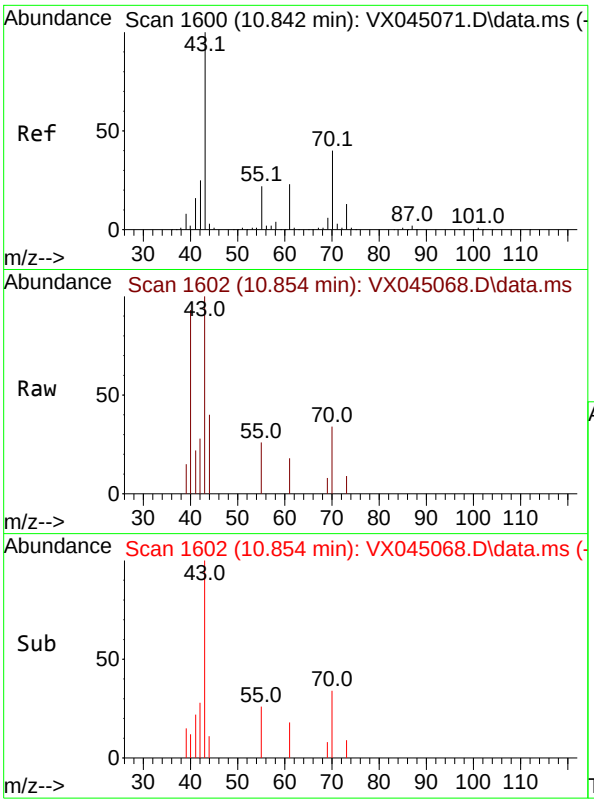


#73
Isopropylbenzene
Concen: 0.858 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 4405

Ion	Ratio	Lower	Upper
105	100		
120	28.5	13.2	39.5

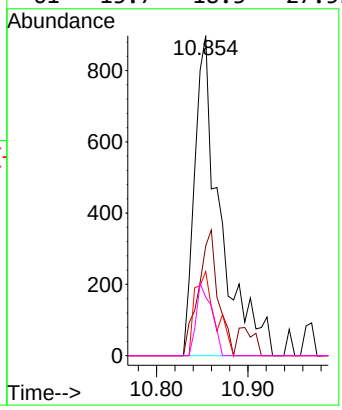




#74
N-amyl acetate
Concen: 0.732 ug/l
RT: 10.854 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 175

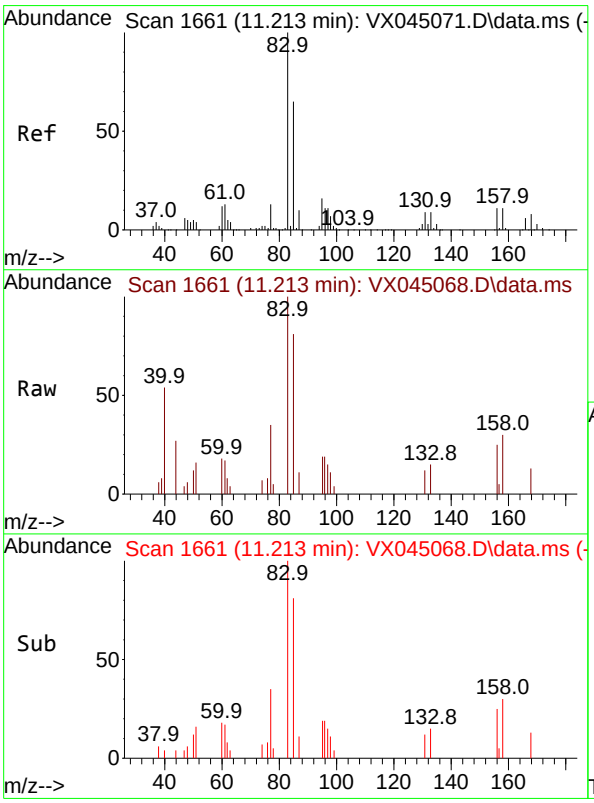
Ion	Ratio	Lower	Upper
43	100		
70	30.1	31.8	47.6#
55	20.9	18.3	27.5
61	13.7	18.3	27.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

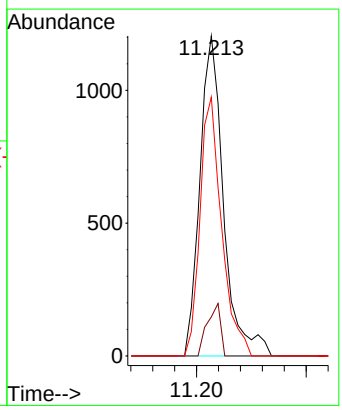
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

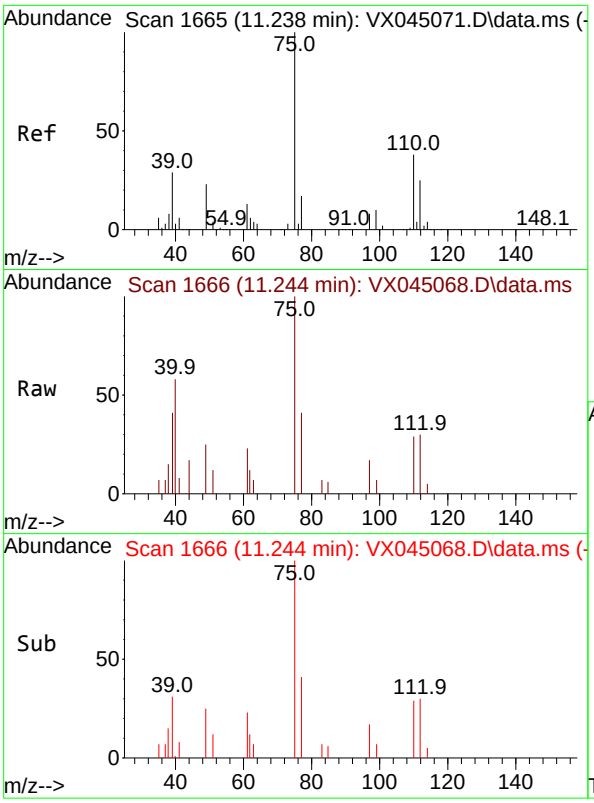


#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

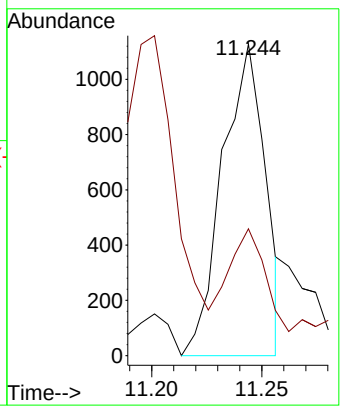
Tgt Ion: 75 Resp: 153

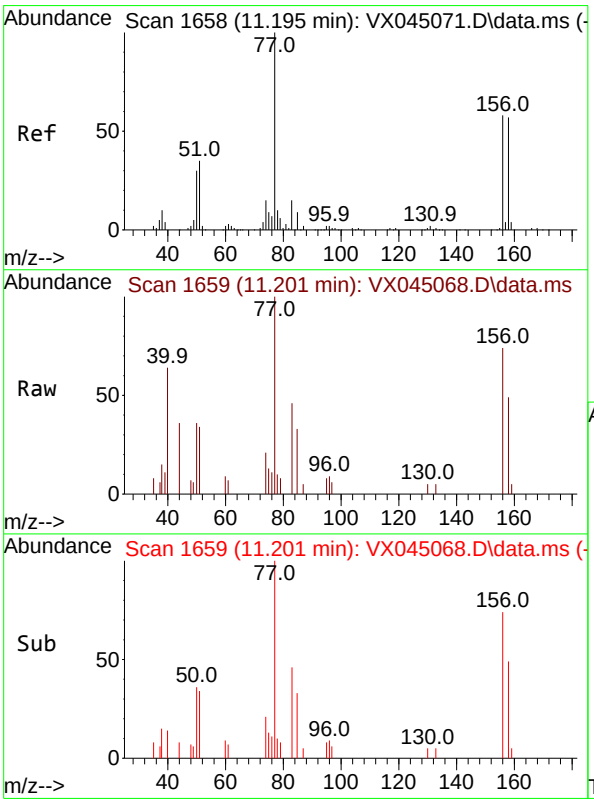
Ion	Ratio	Lower	Upper
75	100		
77	40.0	20.7	62.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

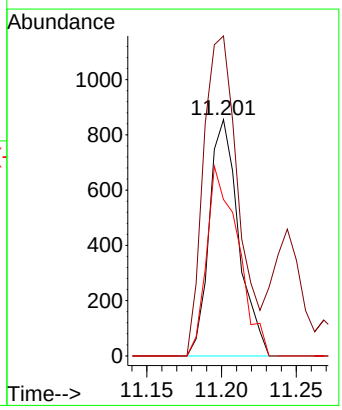


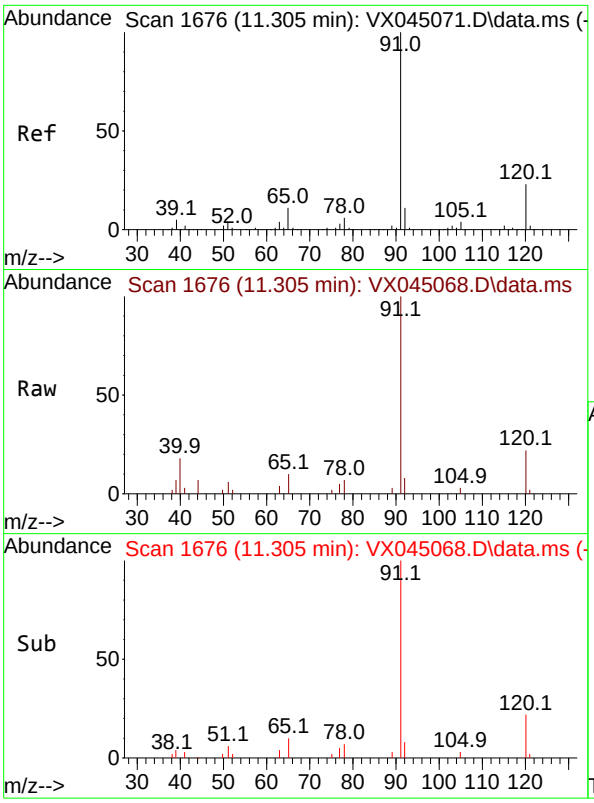


#77
Bromobenzene
Concen: 0.972 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

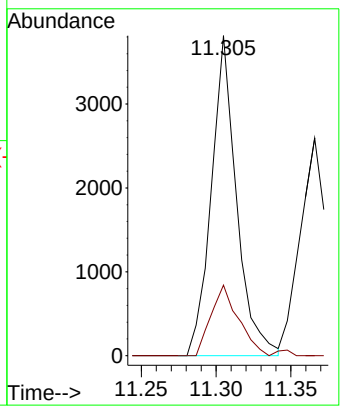




#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 447

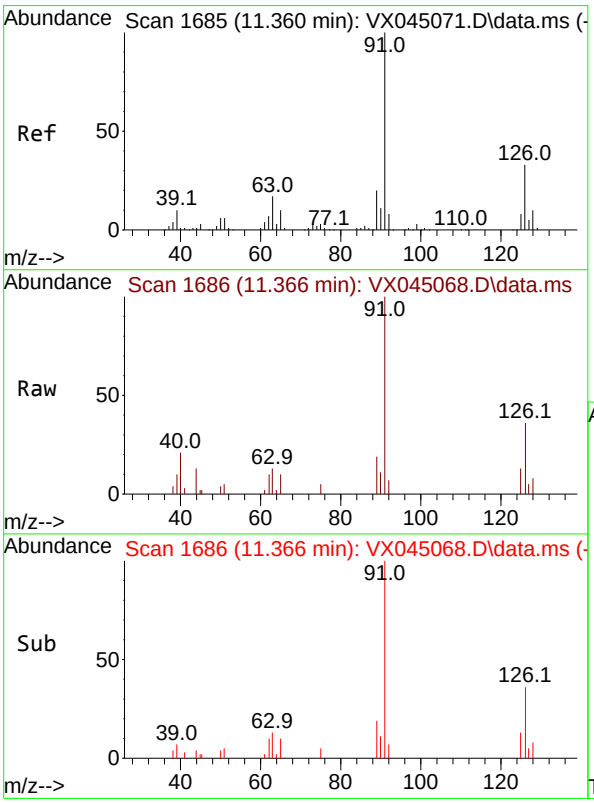
Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.2	33.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

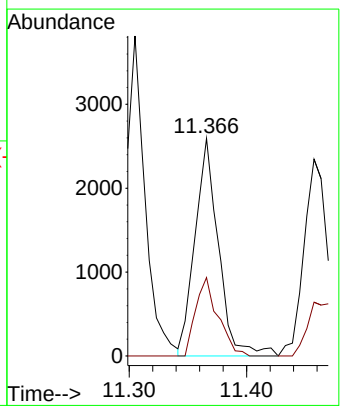
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

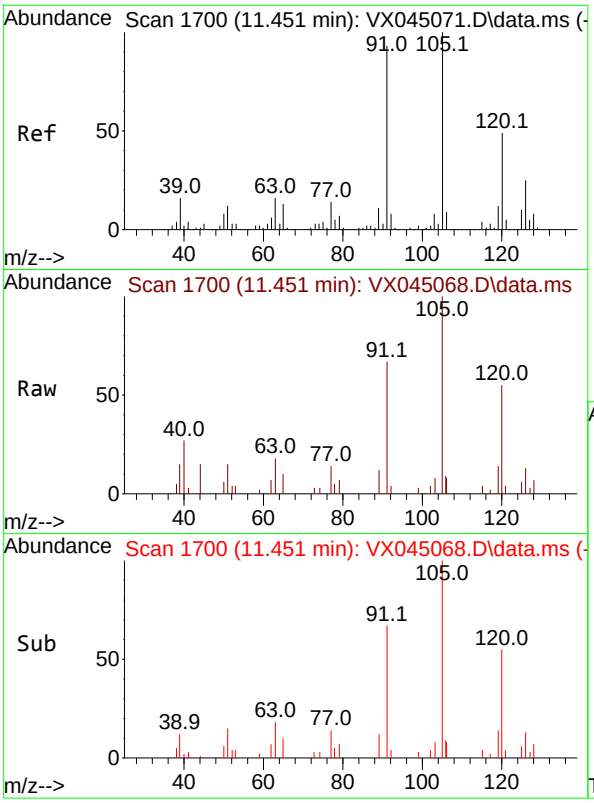


#79
2-Chlorotoluene
Concen: 0.986 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3616

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.4

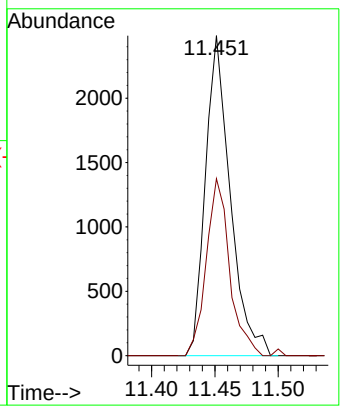




#80
1,3,5-Trimethylbenzene
Concen: 0.815 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 338

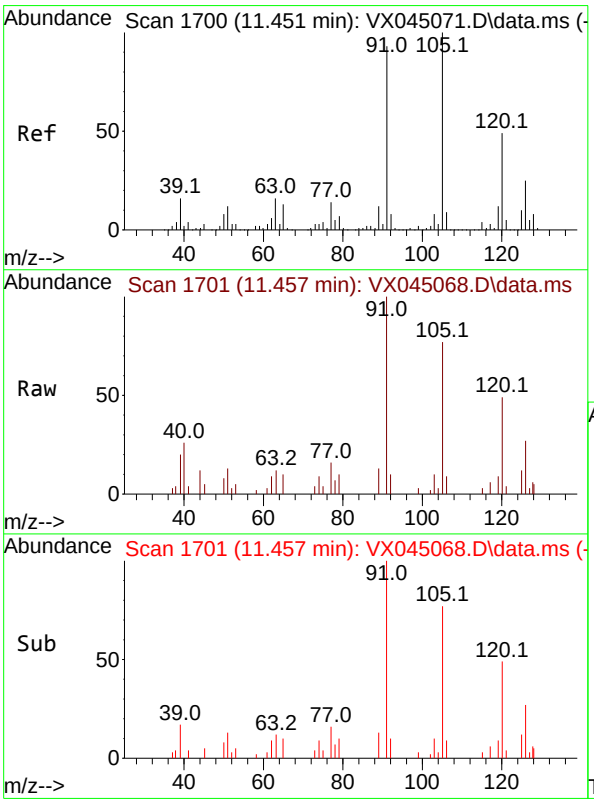
Ion	Ratio	Lower	Upper
105	100		
120	52.2	24.1	72.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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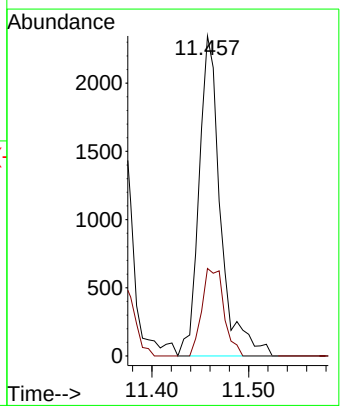
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

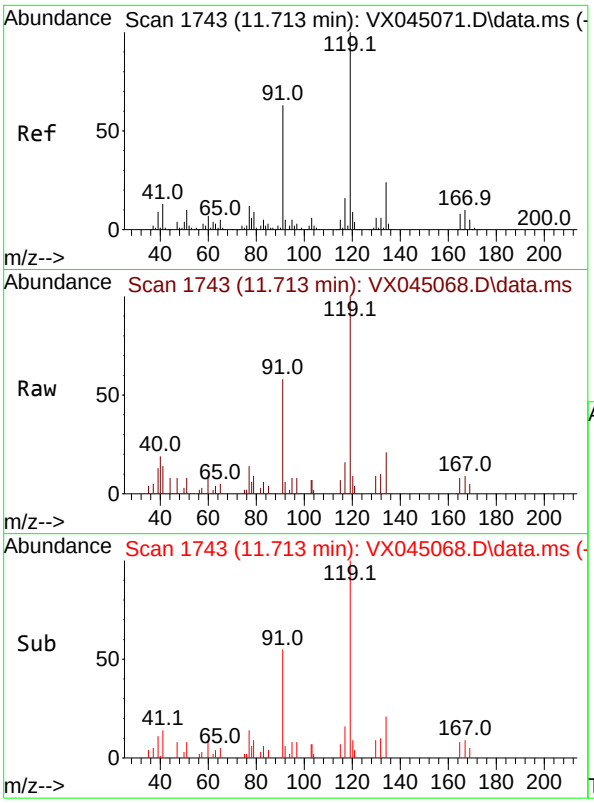


#82
4-Chlorotoluene
Concen: 0.904 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3631

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4

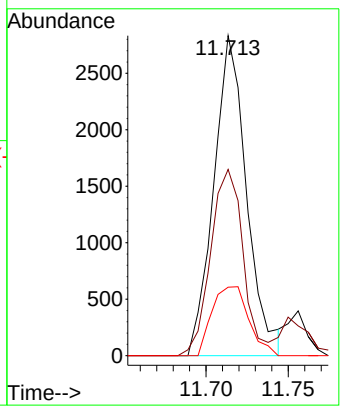




#83
tert-Butylbenzene
Concen: 0.929 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:119 Resp: 392

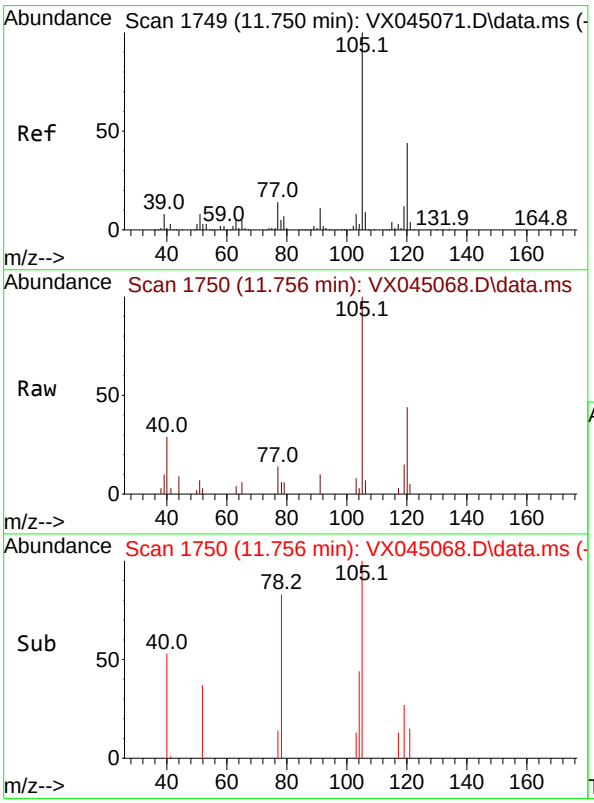
Ion	Ratio	Lower	Upper
119	100		
91	57.7	30.7	92.1
134	24.2	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

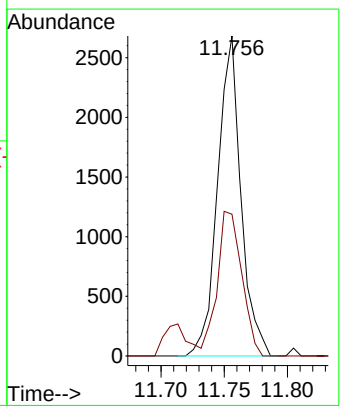
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

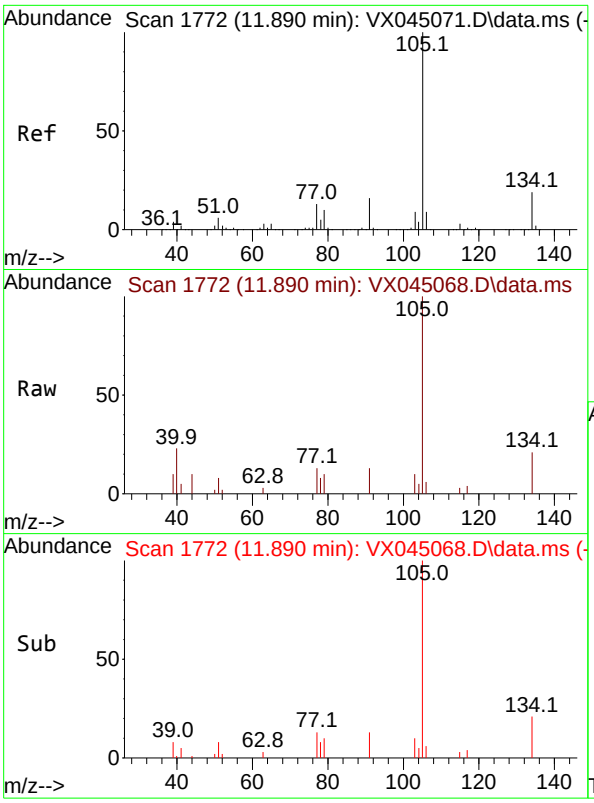


#84
1,2,4-Trimethylbenzene
Concen: 0.827 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

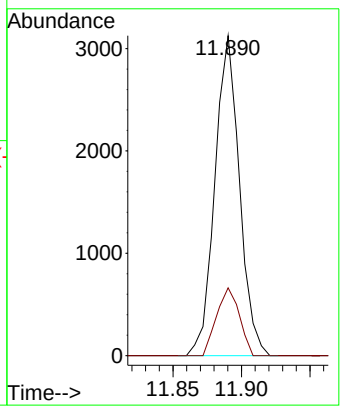
Tgt Ion:105 Resp: 389

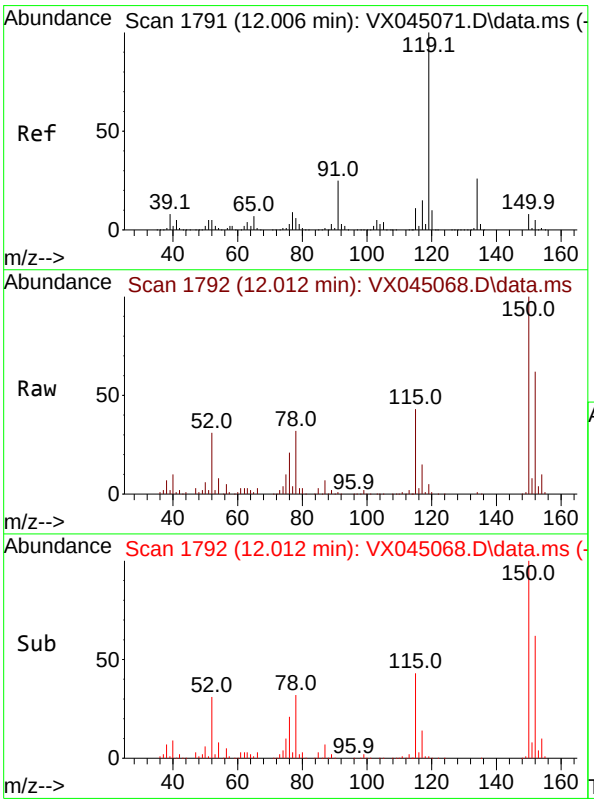
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

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

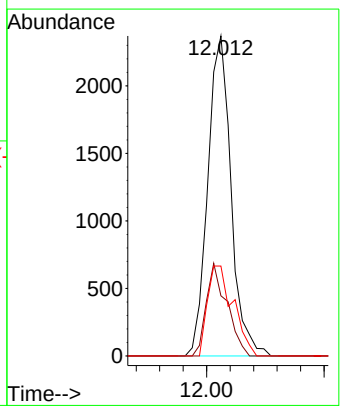


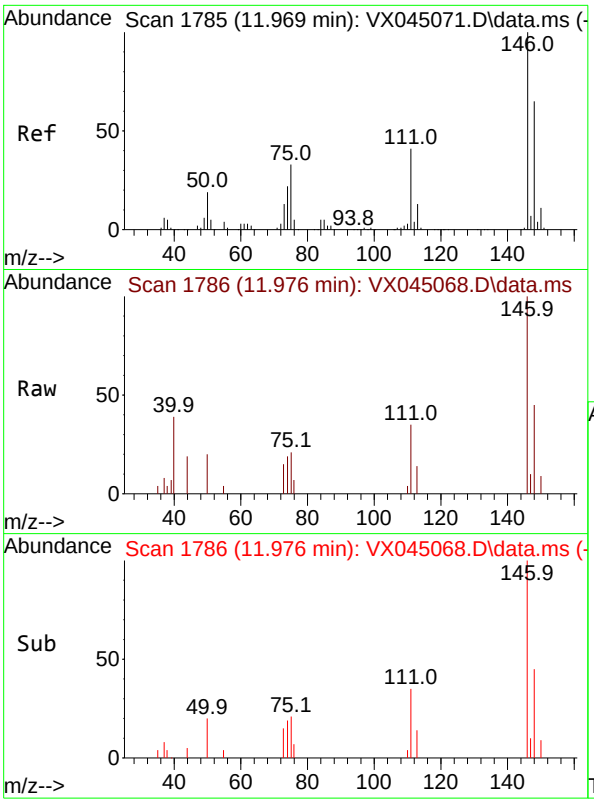


#86
p-Isopropyltoluene
Concen: 0.797 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

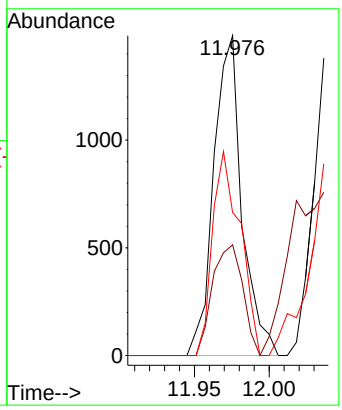




#87
1,3-Dichlorobenzene
Concen: 0.913 ug/l
RT: 11.976 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 194

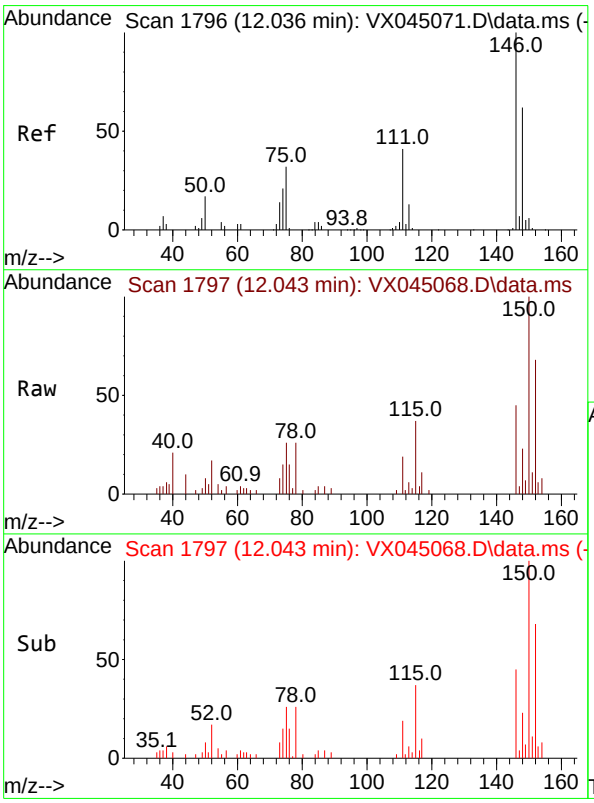
Ion	Ratio	Lower	Upper
146	100		
111	37.1	21.1	63.4
148	62.4	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

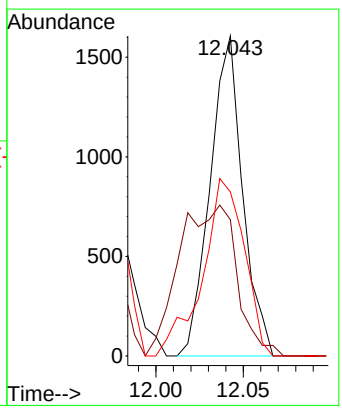
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

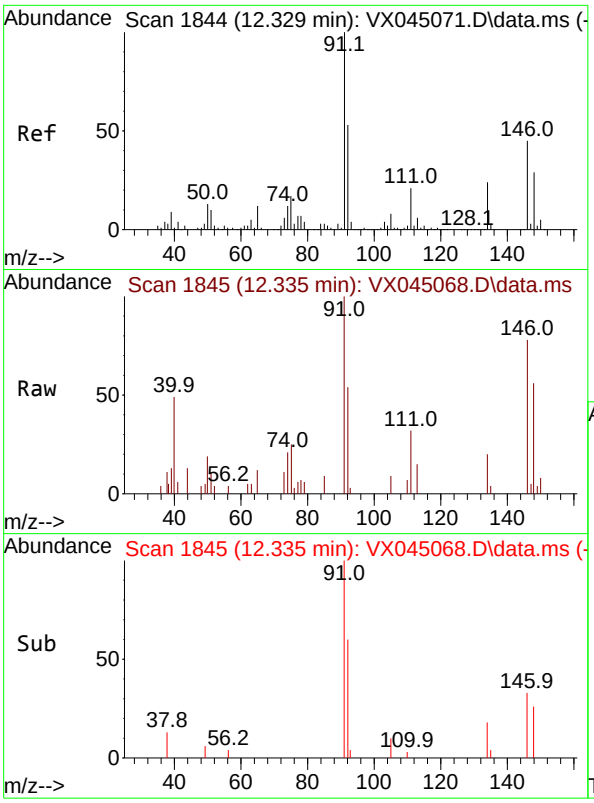


#88
1,4-Dichlorobenzene
Concen: 0.962 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

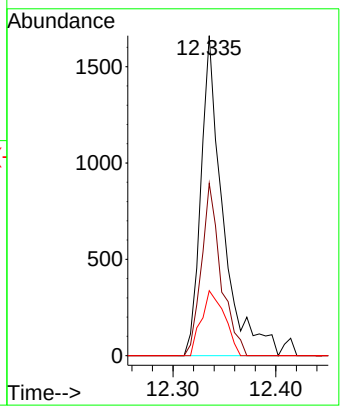




#89
n-Butylbenzene
Concen: 0.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 247

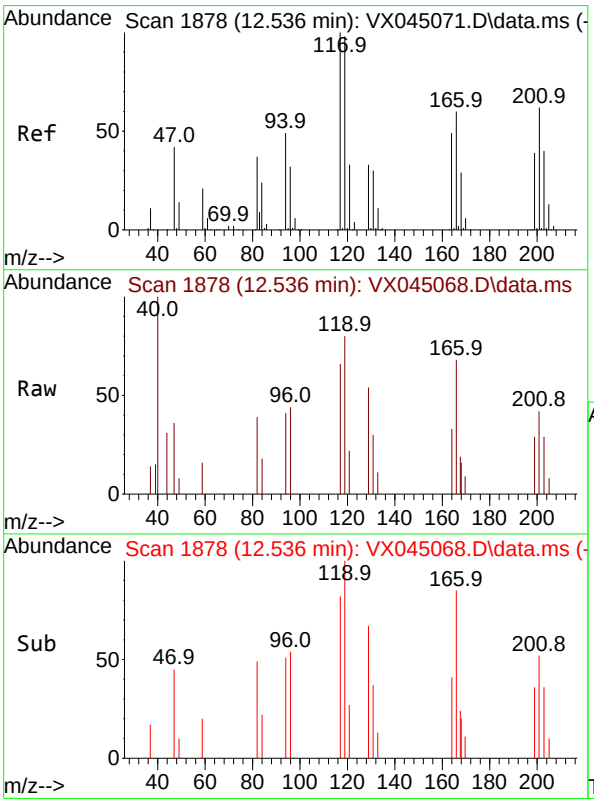
Ion	Ratio	Lower	Upper
91	100		
92	48.0	26.7	80.0
134	21.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

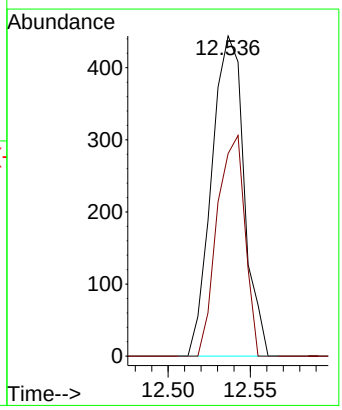
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

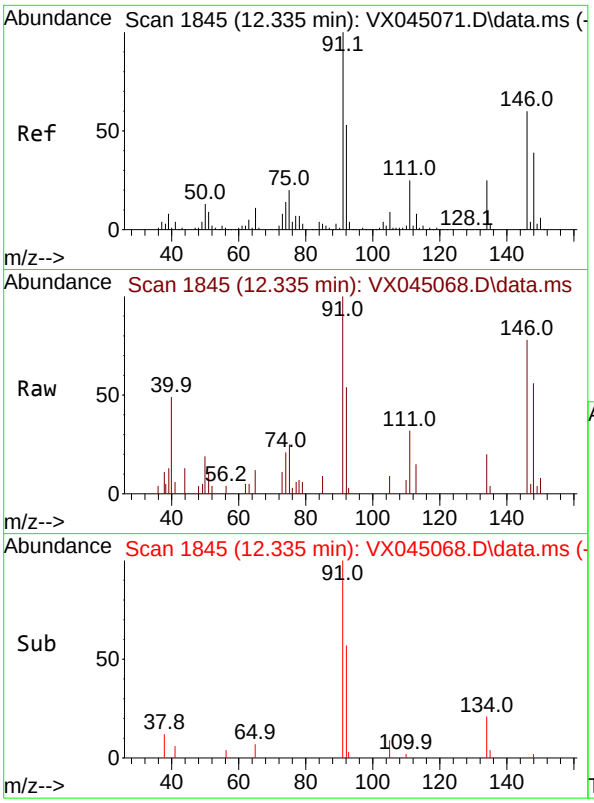


#90
Hexachloroethane
Concen: 0.805 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 609

Ion	Ratio	Lower	Upper
117	100		
201	58.9	31.9	95.9

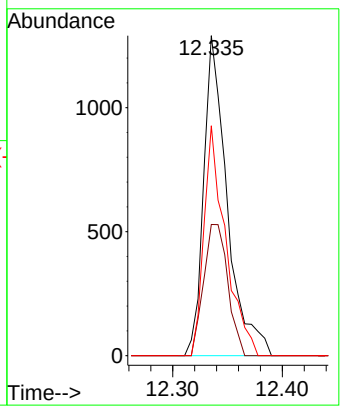




#91
1,2-Dichlorobenzene
Concen: 0.890 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:146 Resp: 191

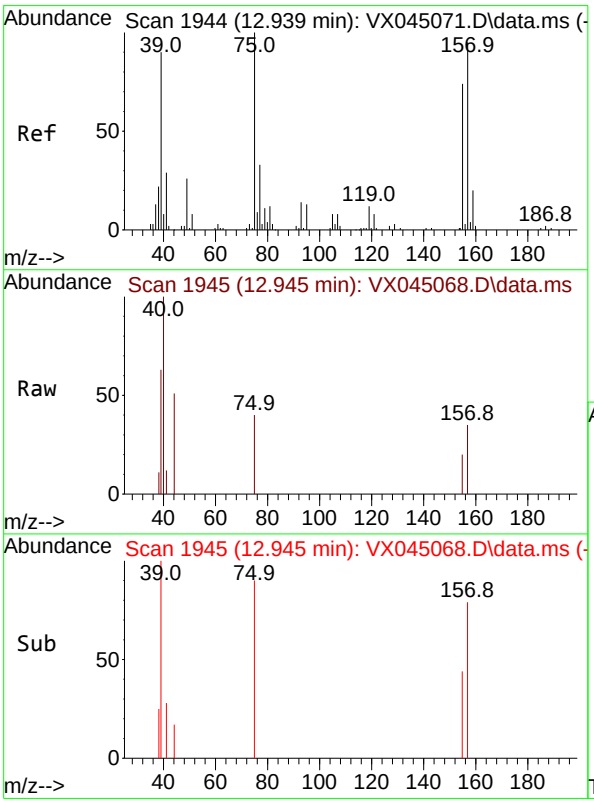
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	65.0
148	66.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

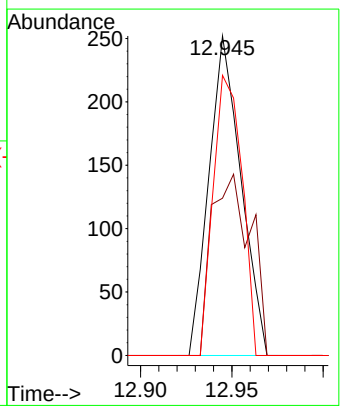
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

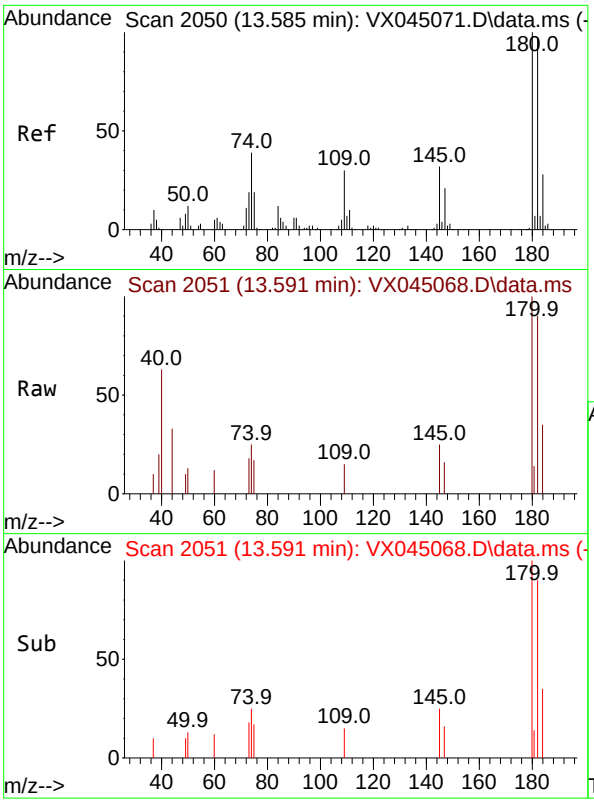


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.859 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

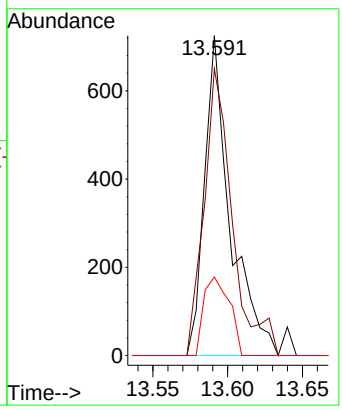




#93
1,2,4-Trichlorobenzene
Concen: 0.706 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:180 Resp: 86

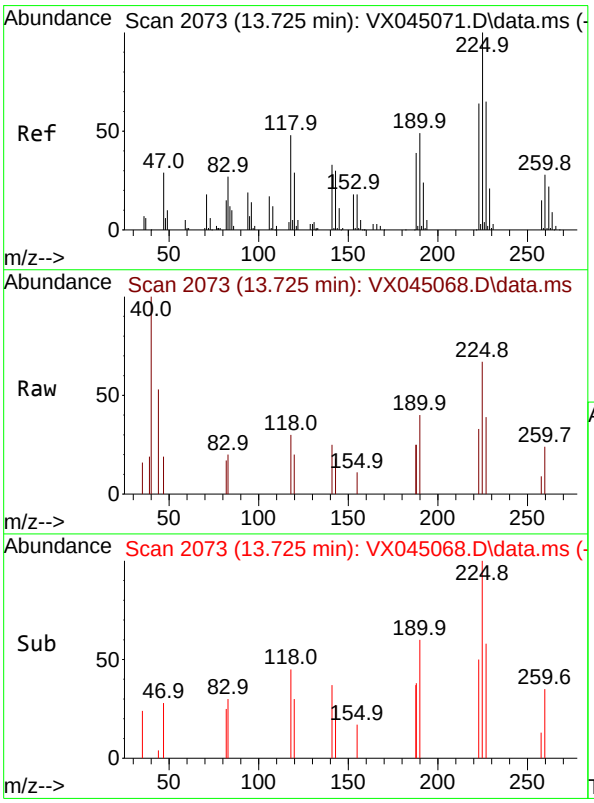
Ion	Ratio	Lower	Upper
180	100		
182	98.7	47.3	141.9
145	24.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

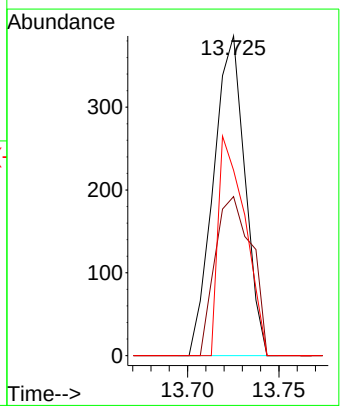
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

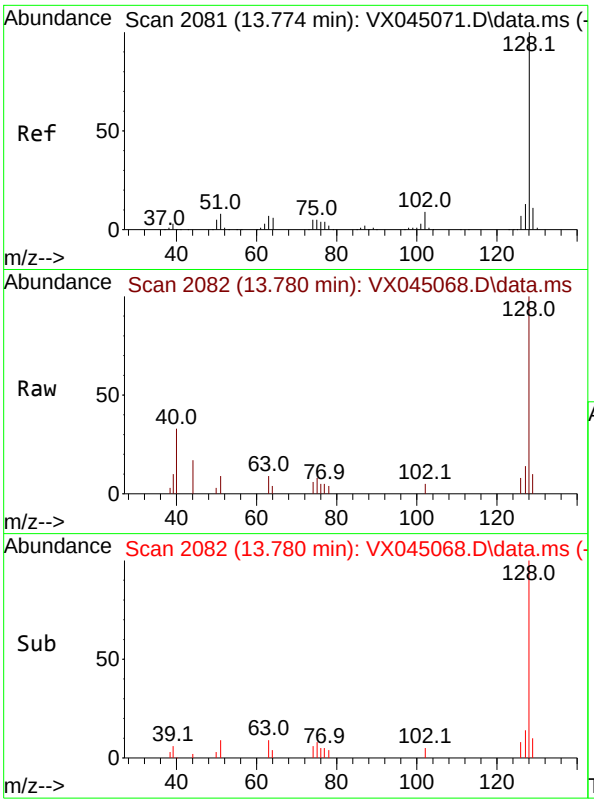


#94
Hexachlorobutadiene
Concen: 0.917 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

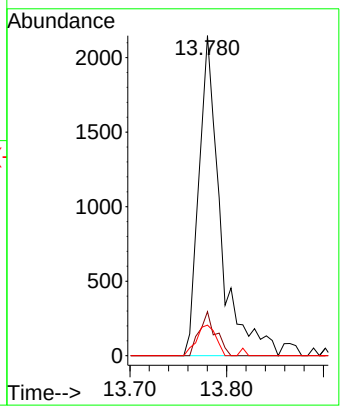




#95
Naphthalene
Concen: 0.707 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:128 Resp: 333

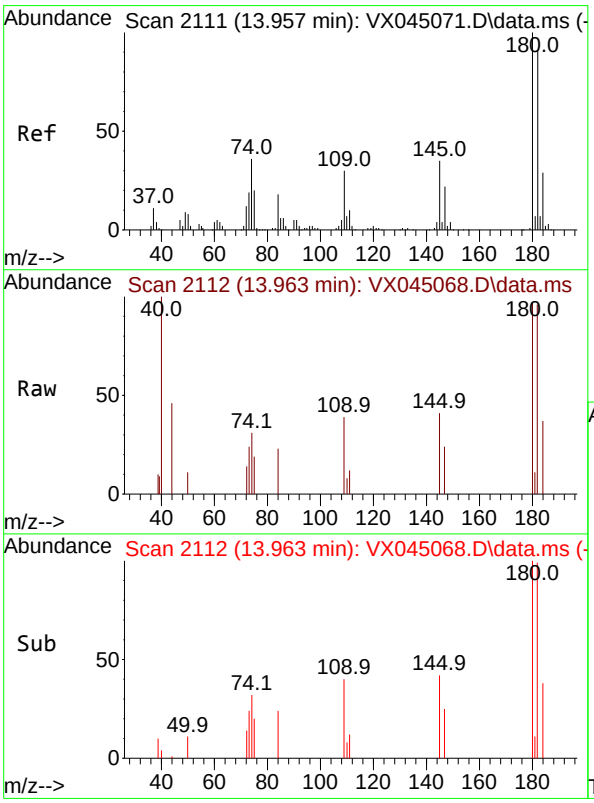
Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.3	15.5
129	8.6	8.7	13.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

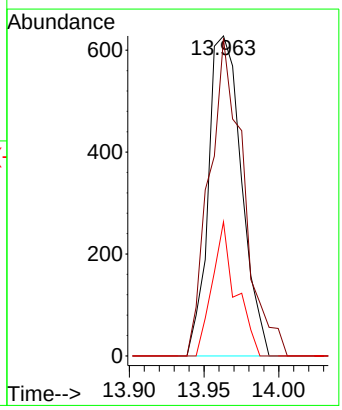
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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



Quantitation Report (QT Reviewed)

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

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

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

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

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

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

ICAL Form

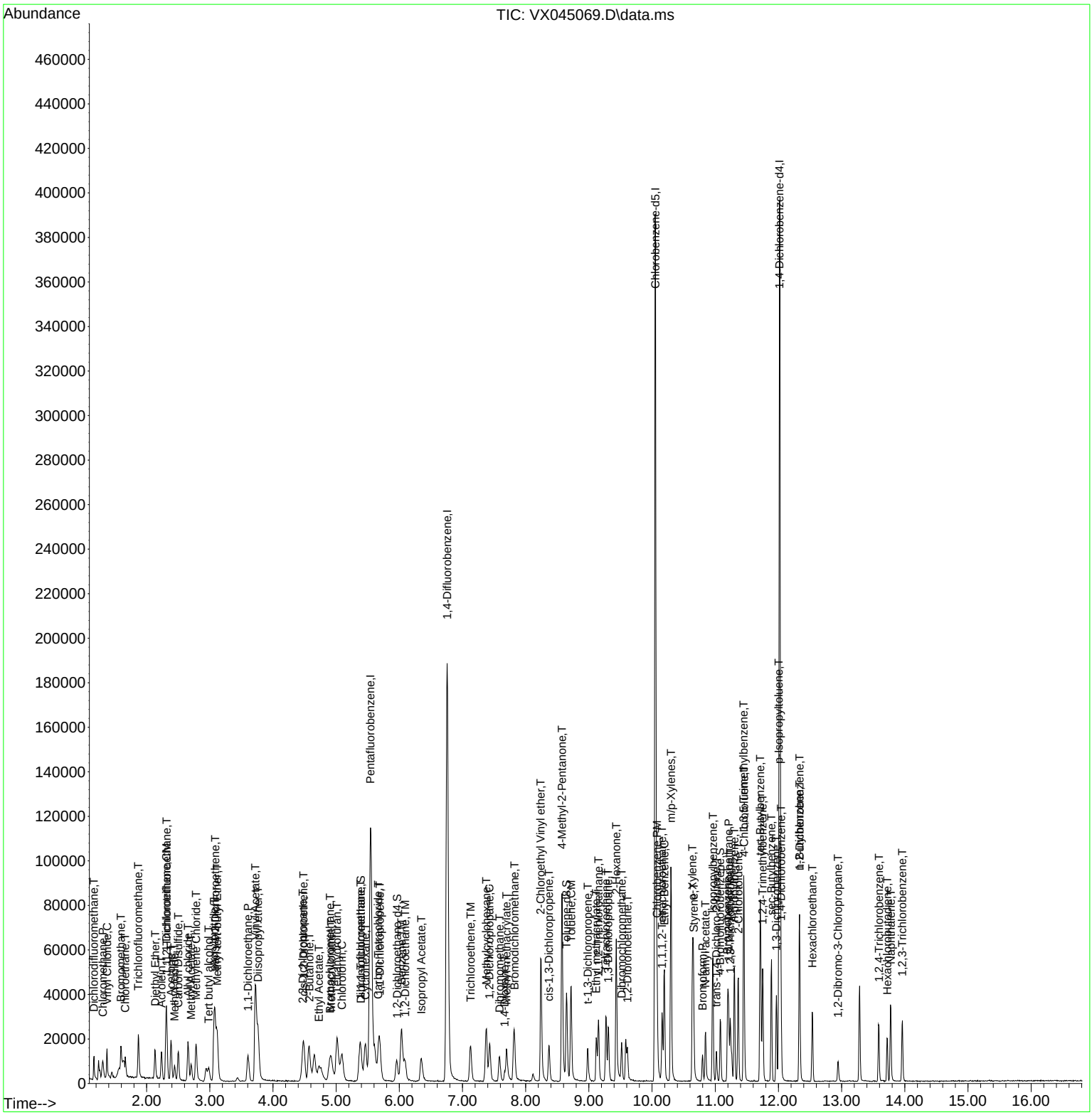
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045069.D
Acq On : 28 Feb 2025 02:13
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

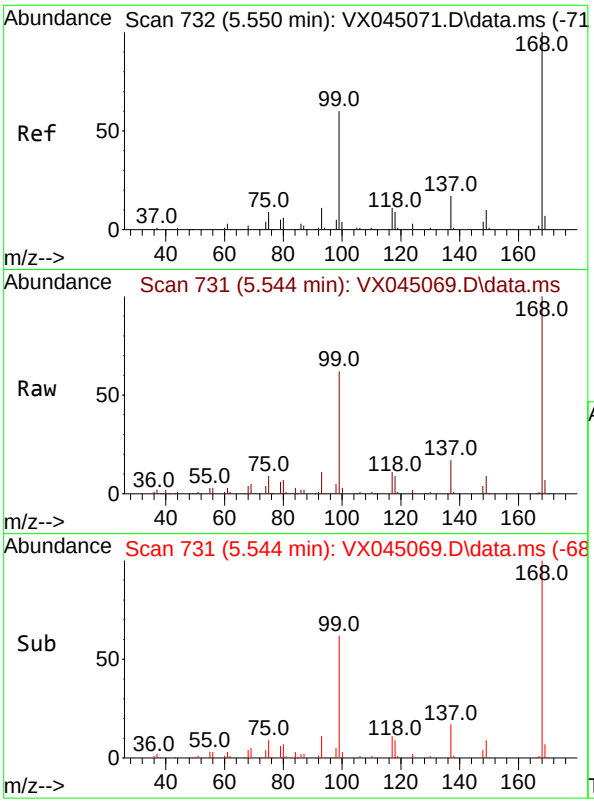
Quant Time: Feb 28 05:32:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

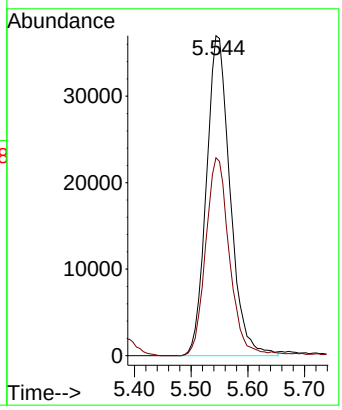




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:168 Resp: 10739

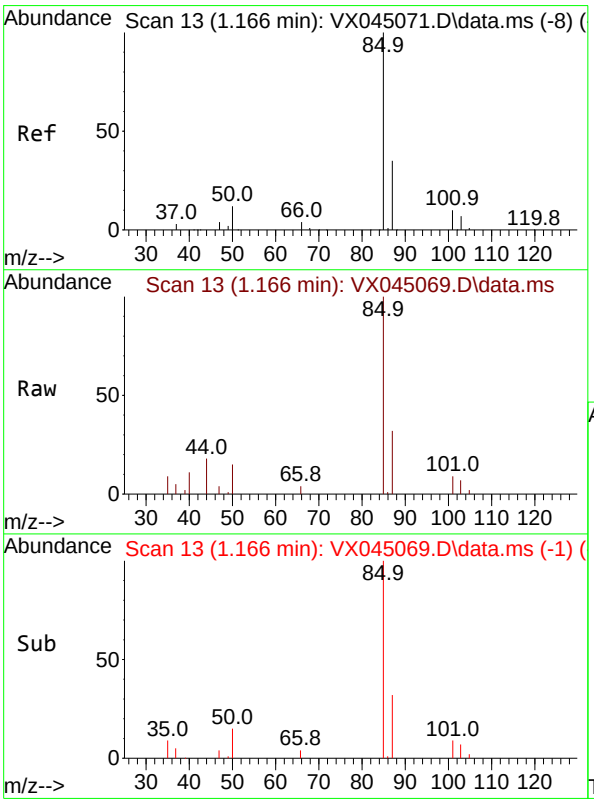
Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

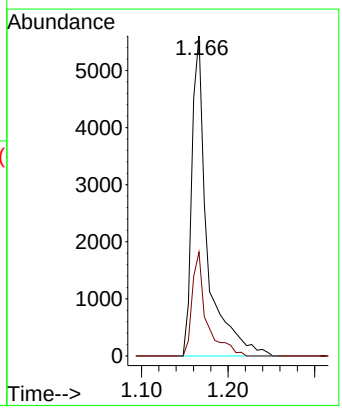
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

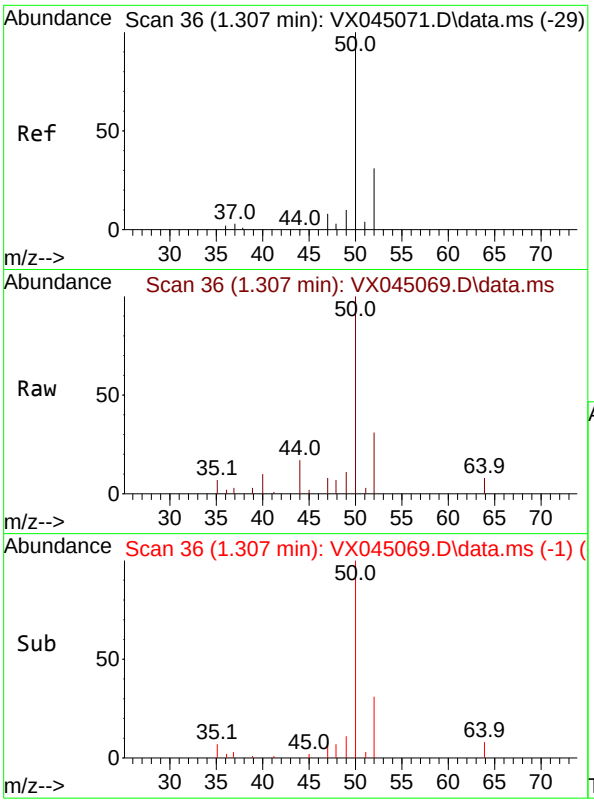


#2
Dichlorodifluoromethane
Concen: 4.689 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 85 Resp: 6941

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.4	52.3

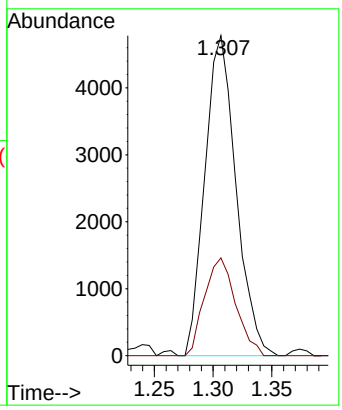




#3
Chloromethane
Concen: 4.896 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 50 Resp: 881

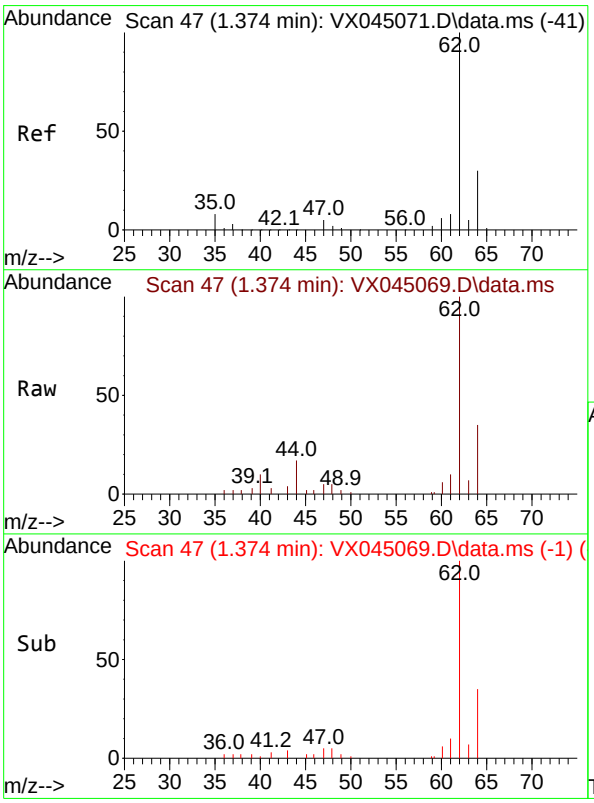
Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

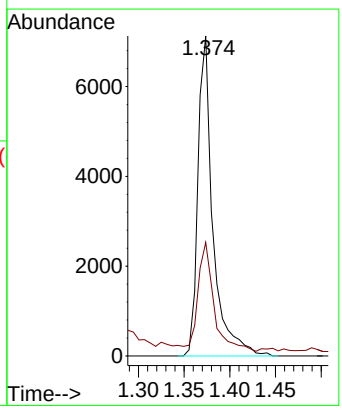
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

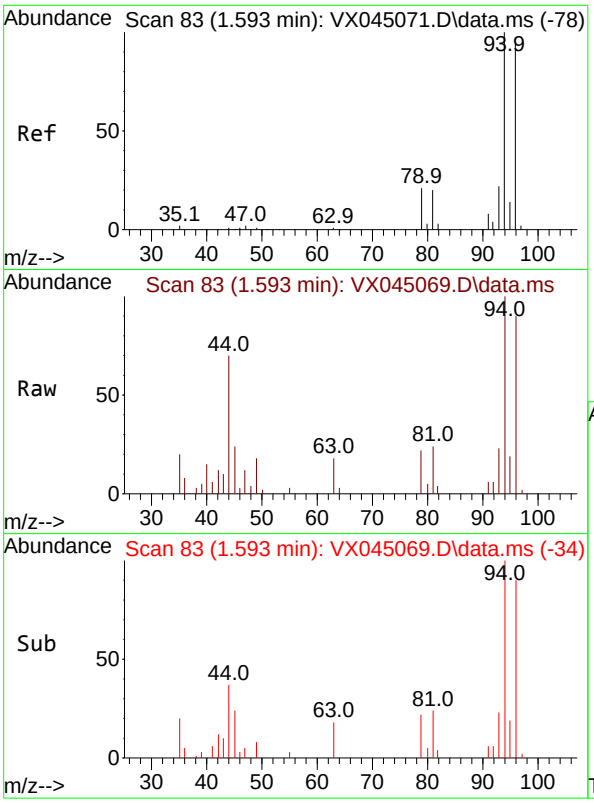


#4
Vinyl Chloride
Concen: 4.608 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 8106

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.3	36.5

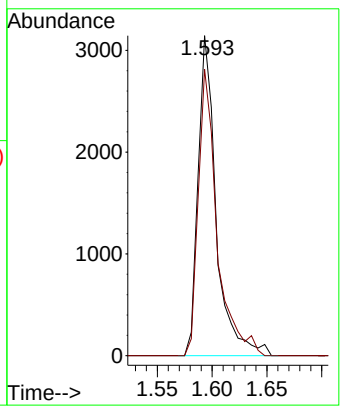




#5
Bromomethane
Concen: 6.582 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 94 Resp: 362

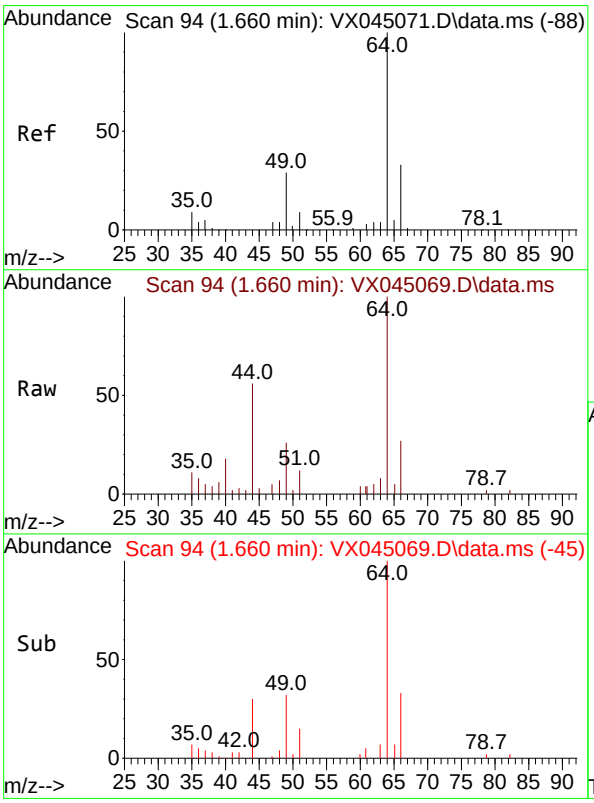
Ion	Ratio	Lower	Upper
94	100		
96	89.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

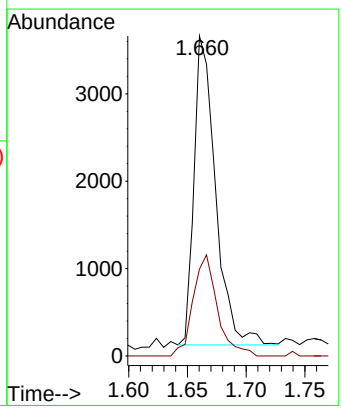
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

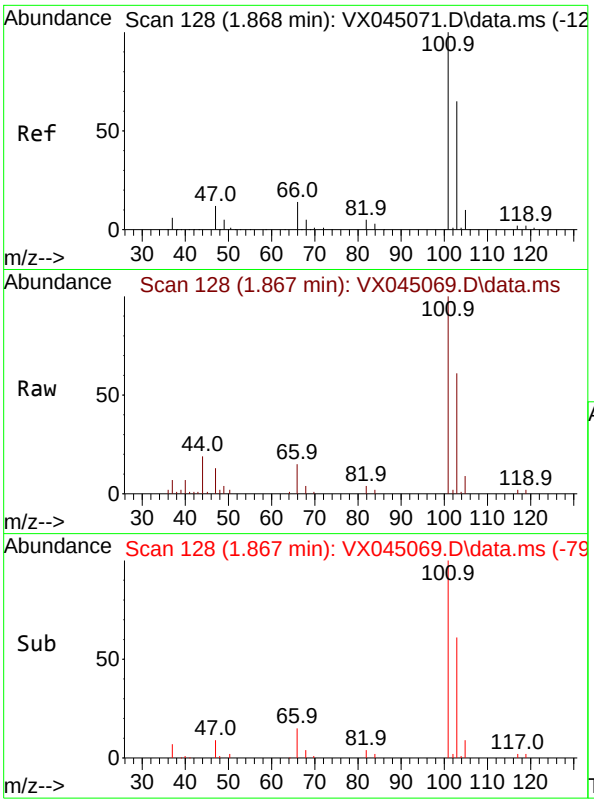


#6
Chloroethane
Concen: 6.746 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 64 Resp: 4517

Ion	Ratio	Lower	Upper
64	100		
66	28.1	26.7	40.1

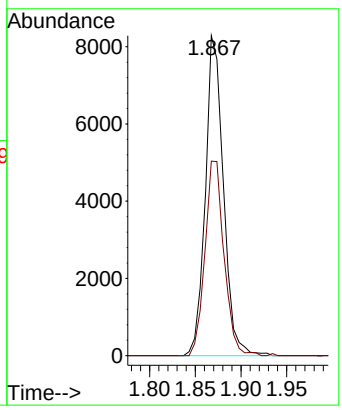




#7
Trichlorofluoromethane
Concen: 5.056 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:101 Resp: 1139

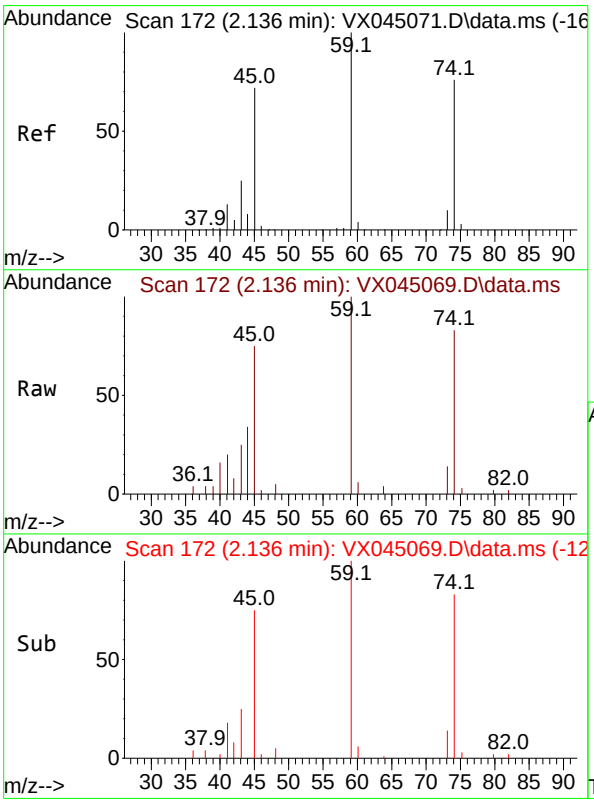
Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

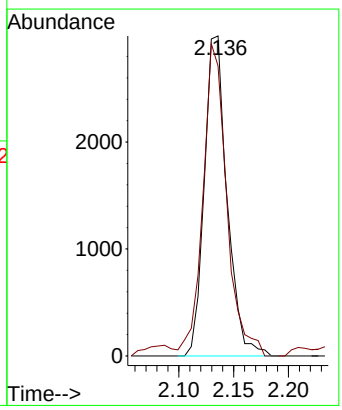
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

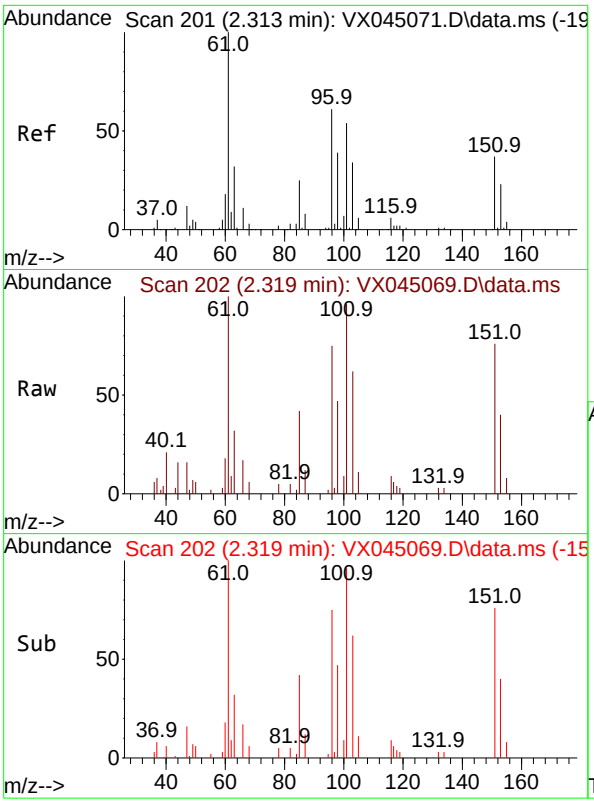


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

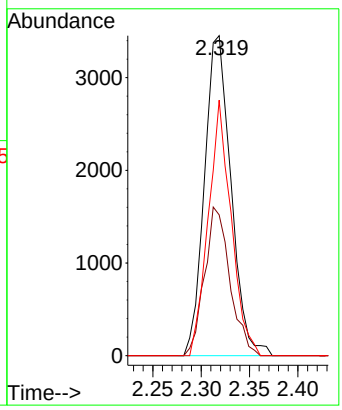
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

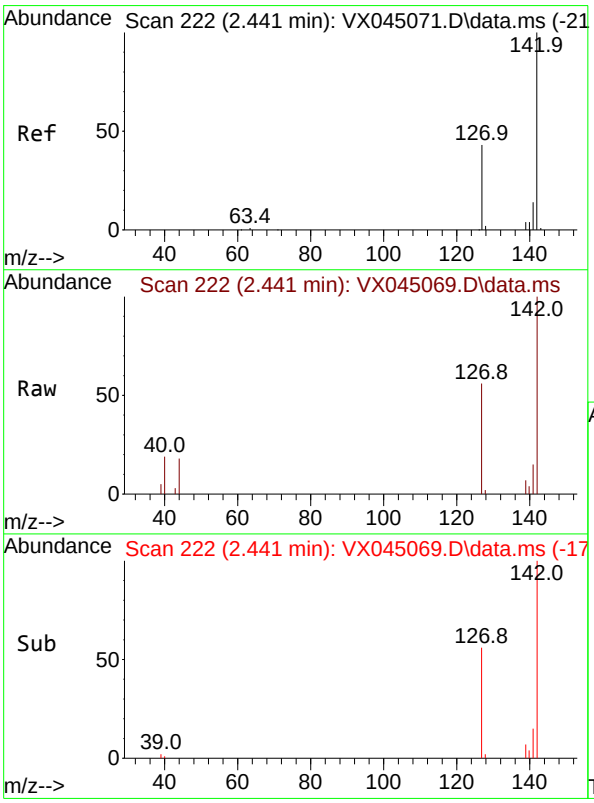
Tgt Ion:101 Resp: 658(

Ion	Ratio	Lower	Upper
101	100		
85	44.4	36.2	54.4
151	69.0	56.4	84.6

Manual Integrations
APPROVED

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

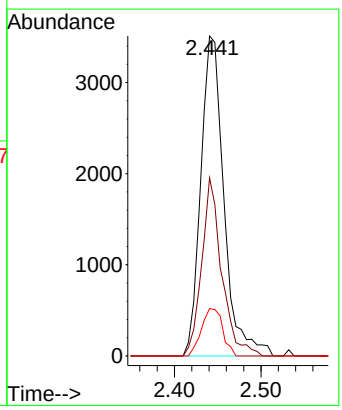


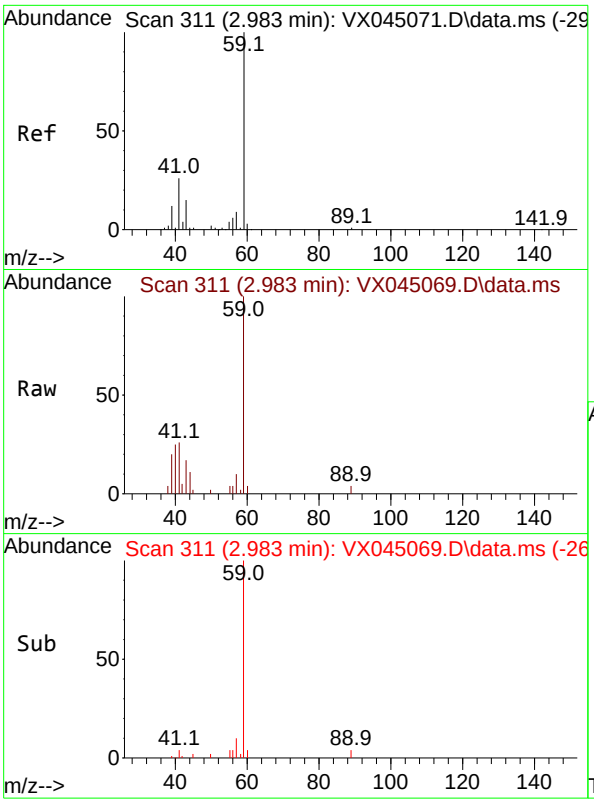


#10
Methyl Iodide
Concen: 3.780 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

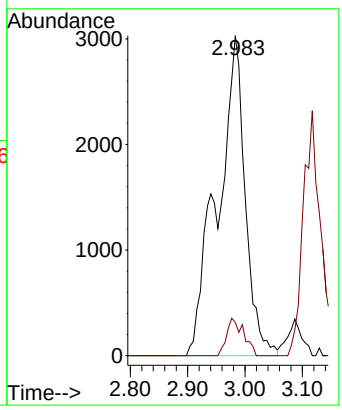
Tgt Ion: 59 Resp: 1016

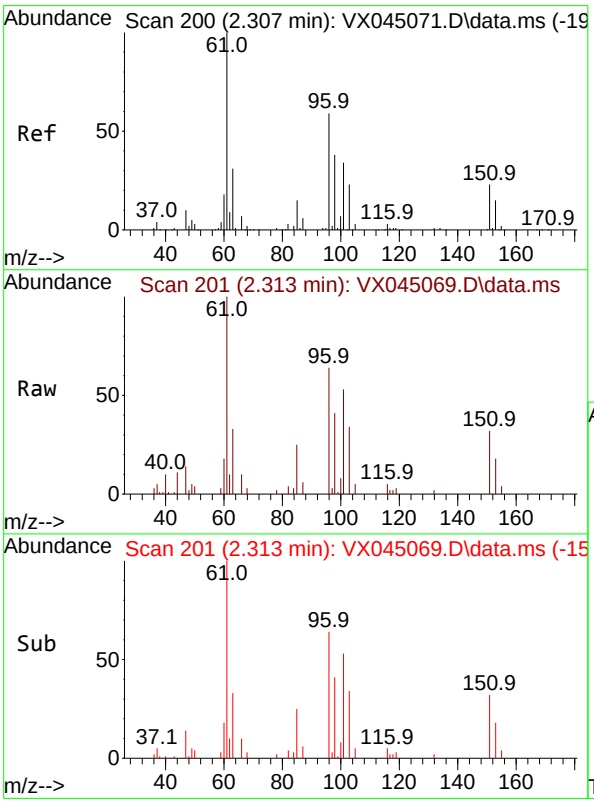
Ion	Ratio	Lower	Upper
59	100		
57	7.2	7.8	11.8#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

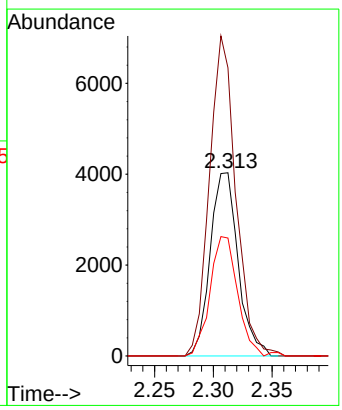


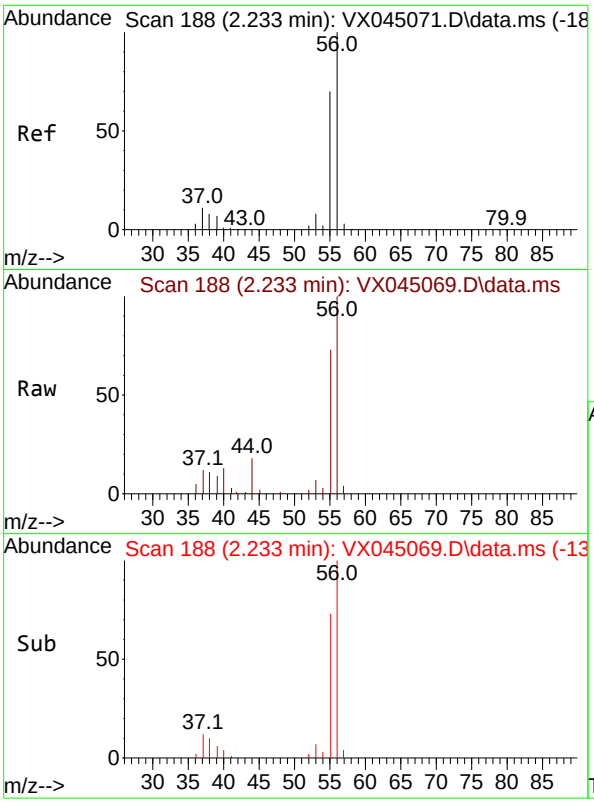


#12
1,1-Dichloroethene
Concen: 4.819 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

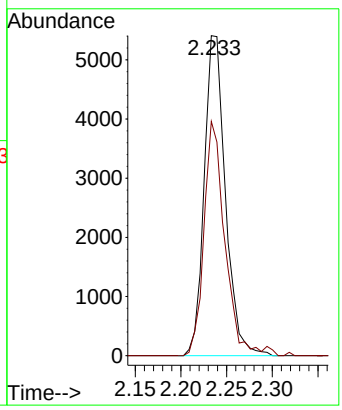




#13
Acrolein
Concen: 27.725 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 56 Resp: 872

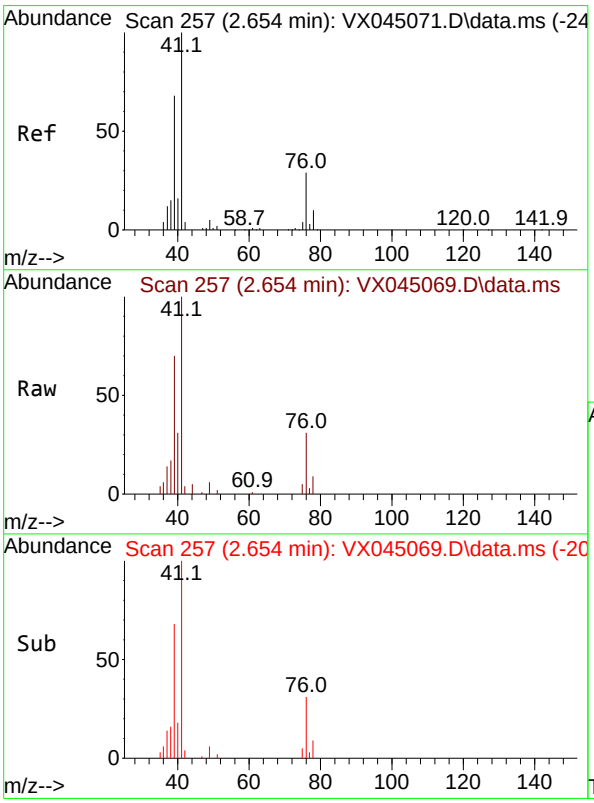
Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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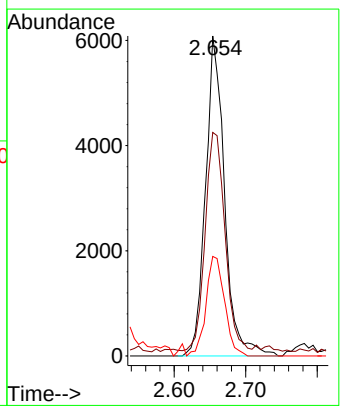
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

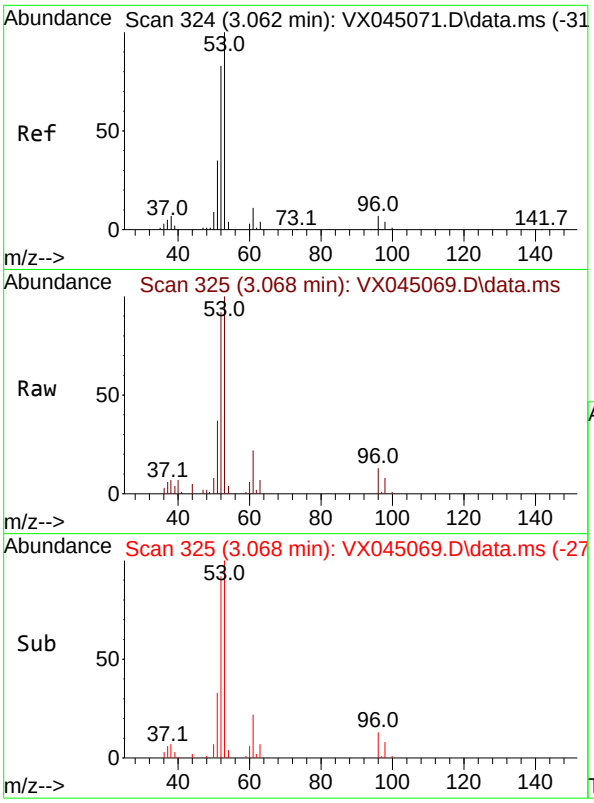


#14
Allyl chloride
Concen: 4.527 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

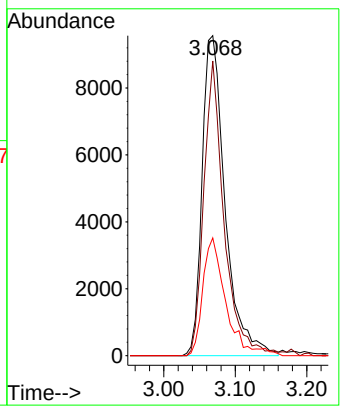




#15
Acrylonitrile
Concen: 27.072 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 53 Resp: 2138

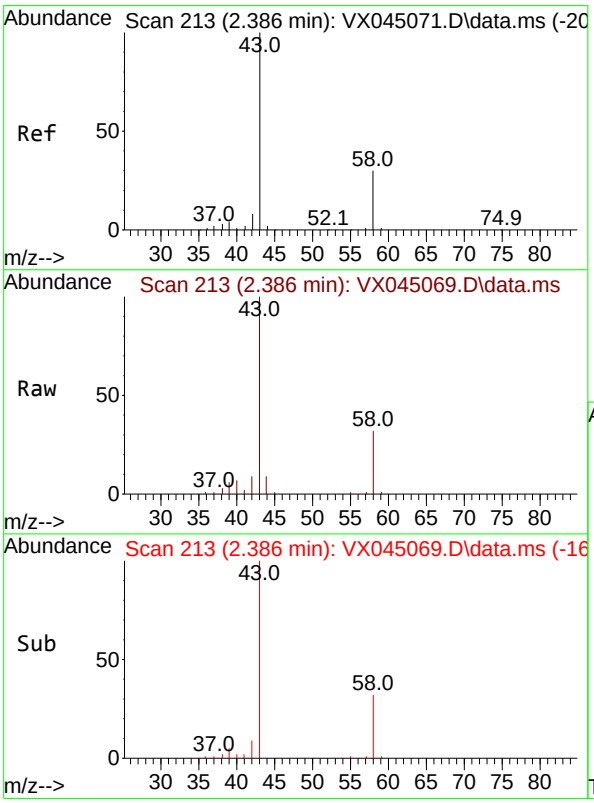
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	36.7	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

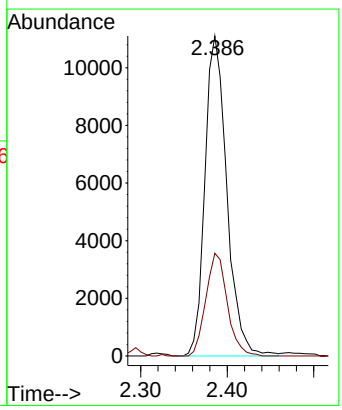
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

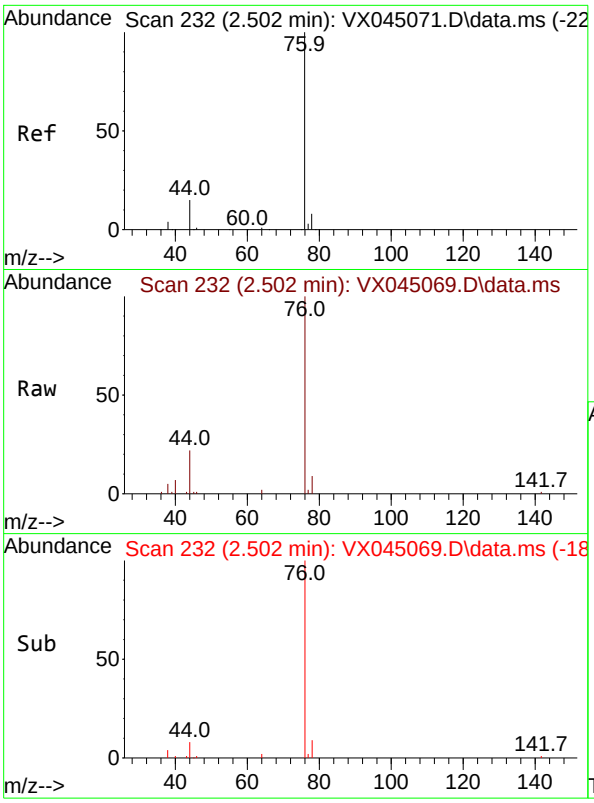


#16
Acetone
Concen: 29.891 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

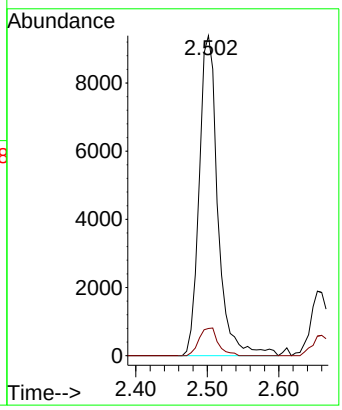
Tgt Ion: 76 Resp: 1698

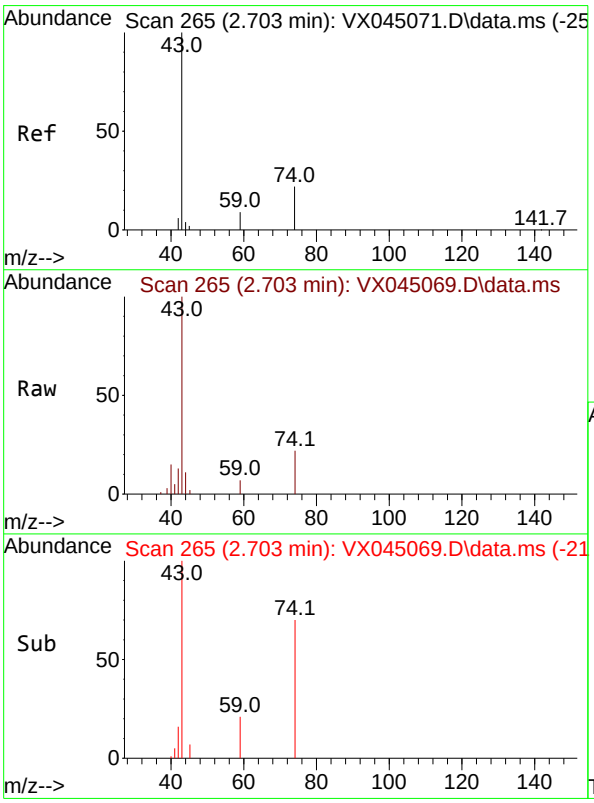
Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

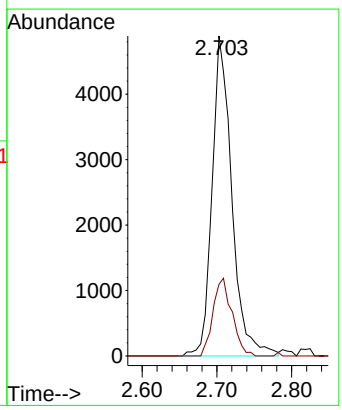


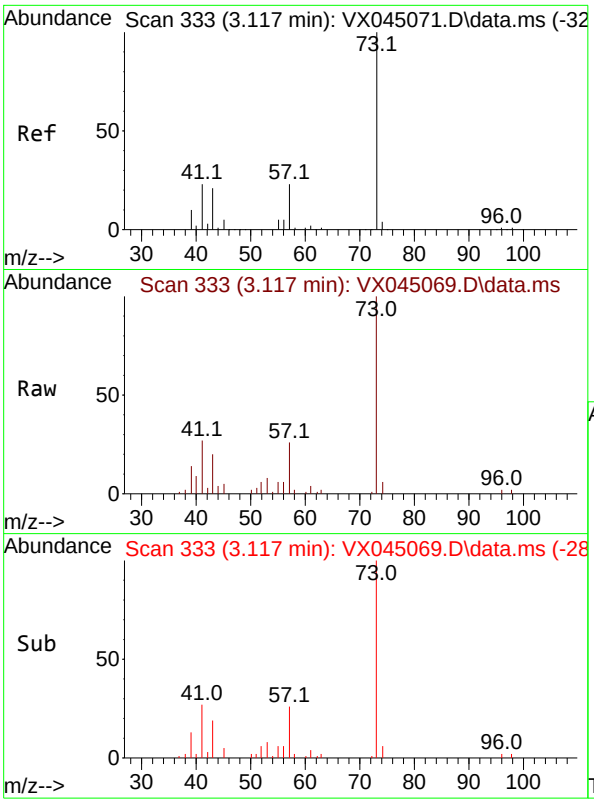


#18
Methyl Acetate
Concen: 4.559 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

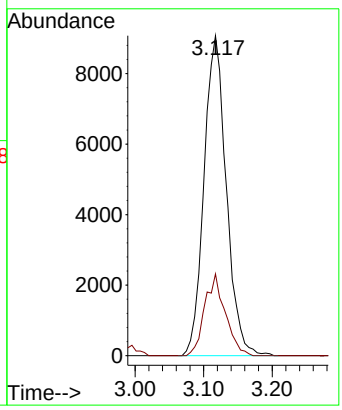
Tgt Ion: 73 Resp: 2054

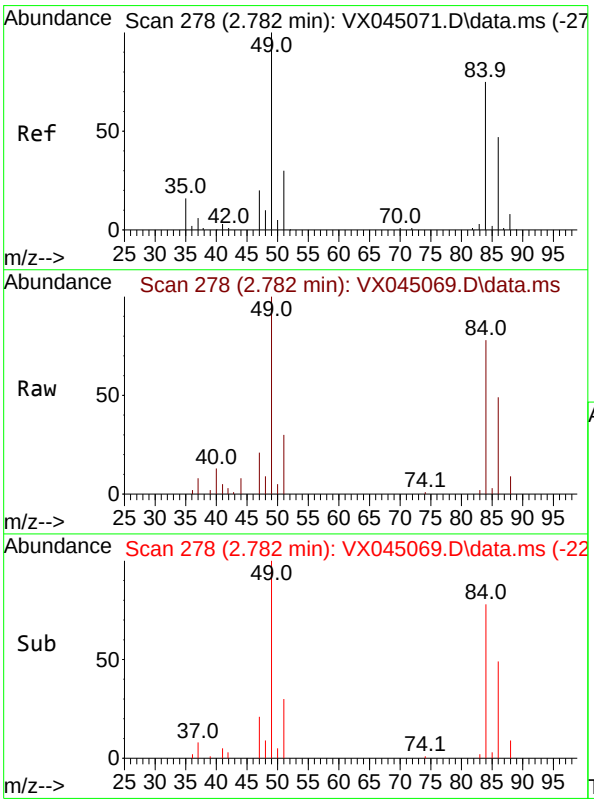
Ion	Ratio	Lower	Upper
73	100		
57	25.6	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

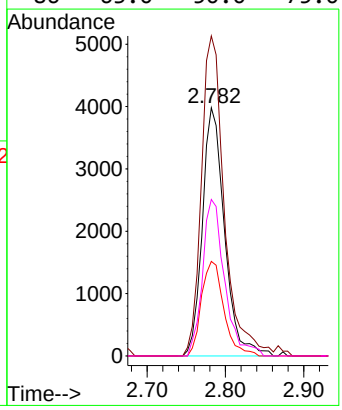


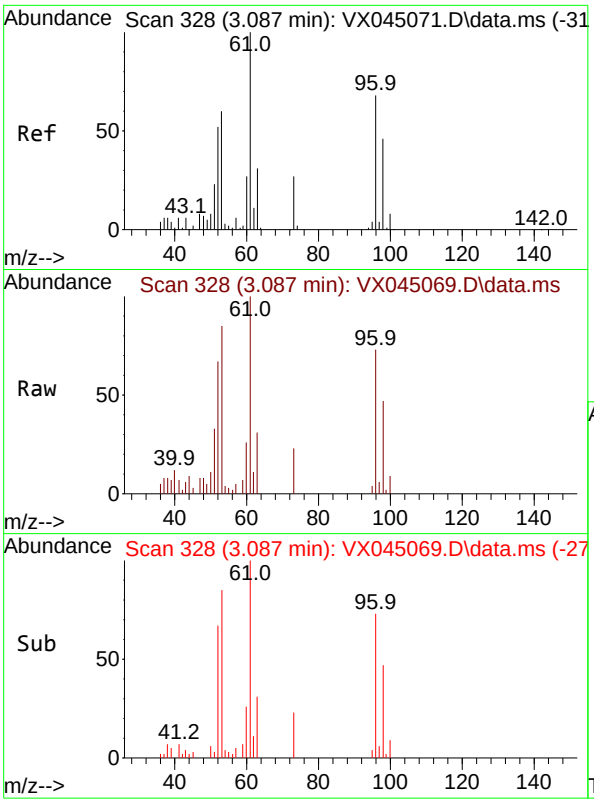


#20
Methylene Chloride
Concen: 5.068 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

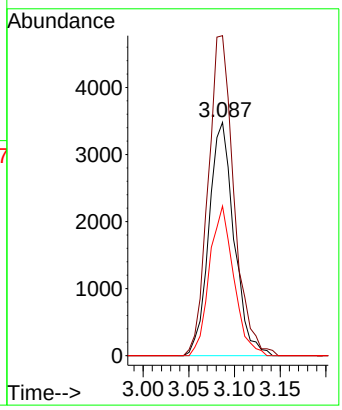




#21
trans-1,2-Dichloroethene
Concen: 4.895 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 96 Resp: 665

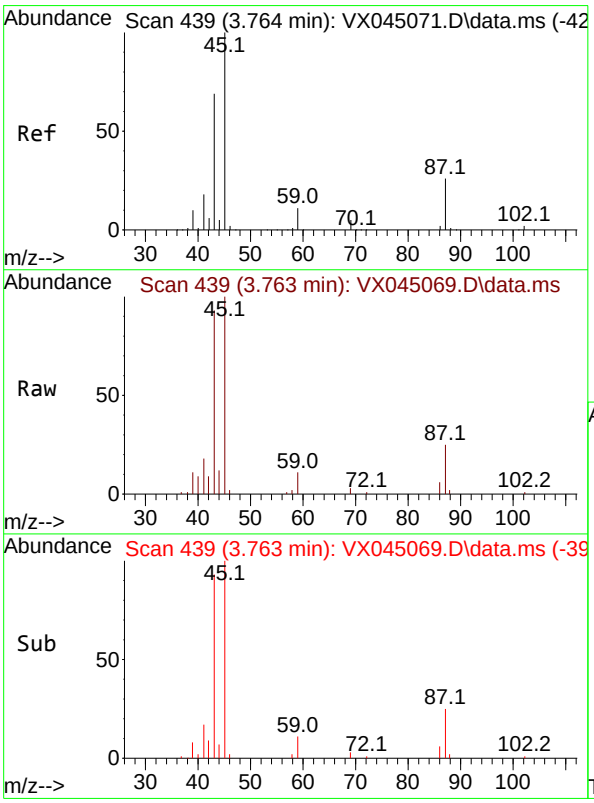
Ion	Ratio	Lower	Upper
96	100		
61	137.2	117.0	175.4
98	64.1	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

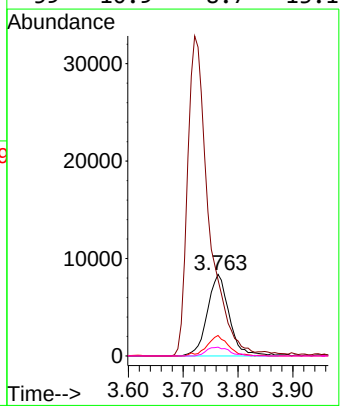
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

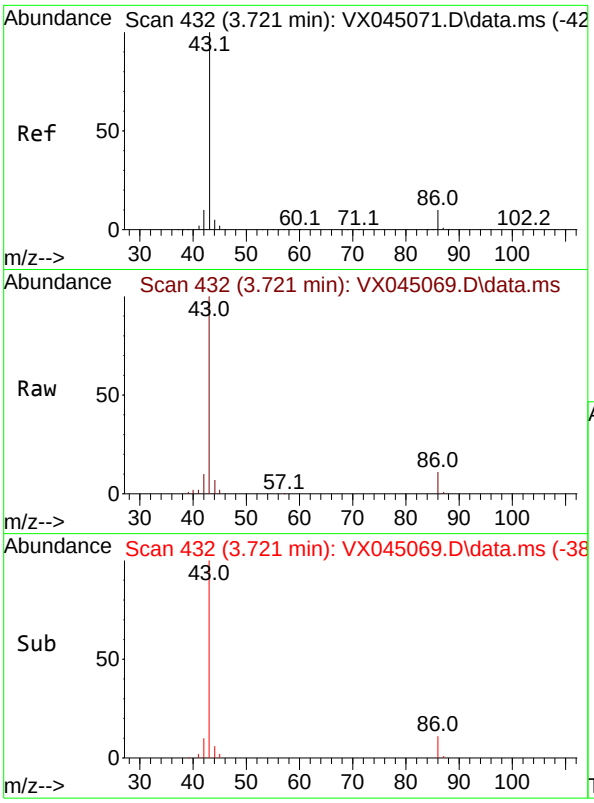


#22
Diisopropyl ether
Concen: 4.875 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

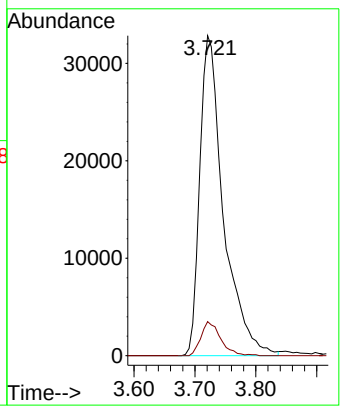
Tgt Ion: 43 Resp: 8885

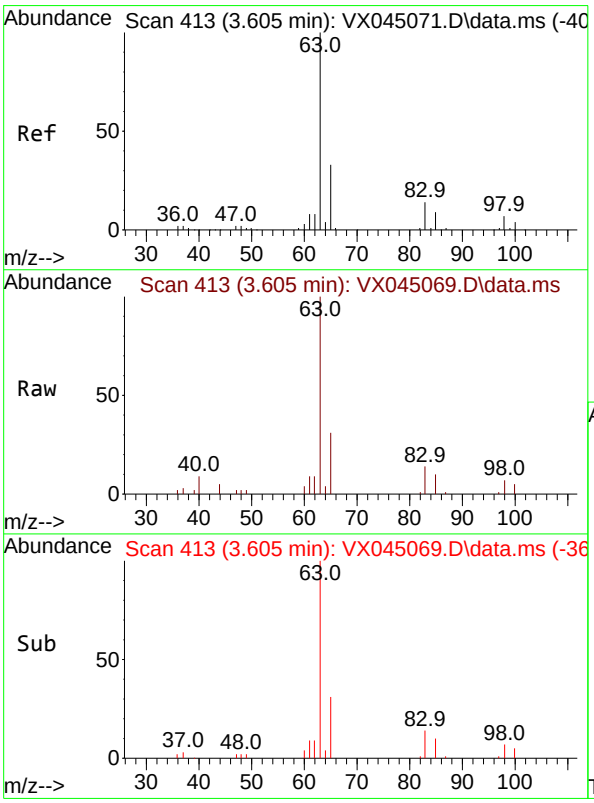
Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

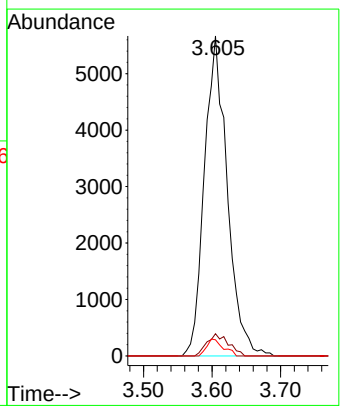


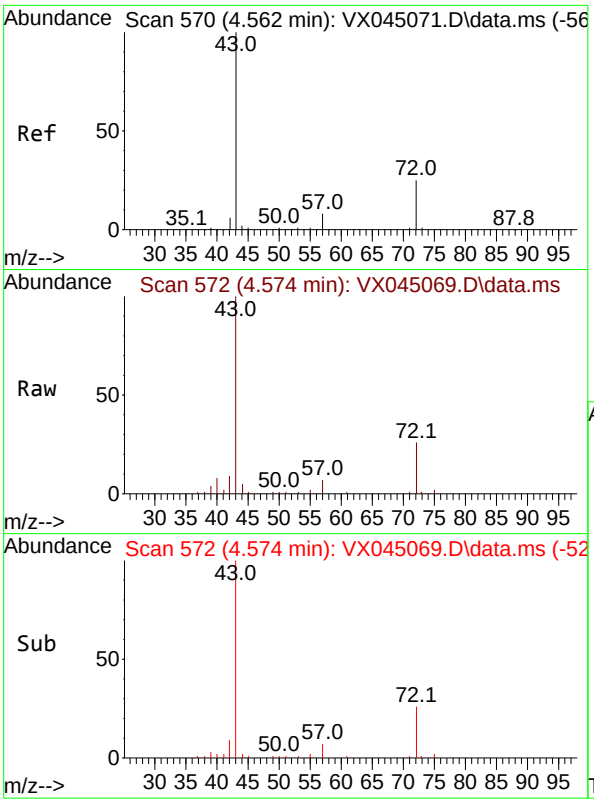


#24
1,1-Dichloroethane
Concen: 4.949 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

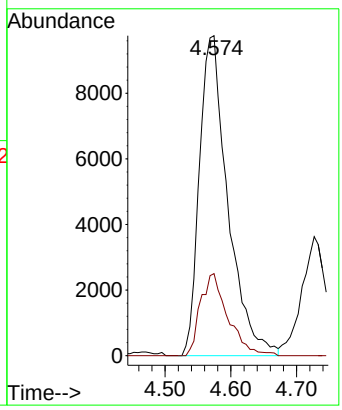
Tgt Ion: 43 Resp: 2927

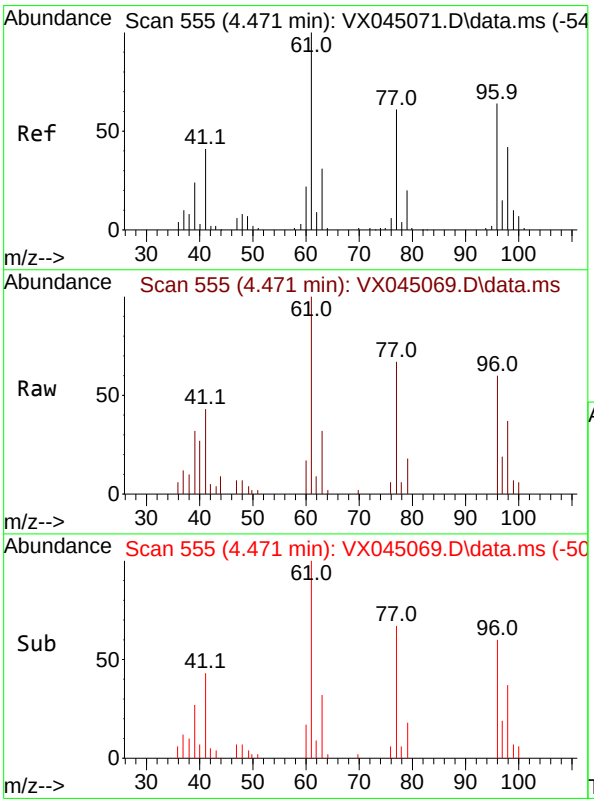
Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 02/28/2025
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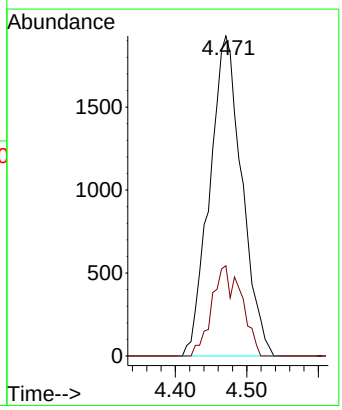


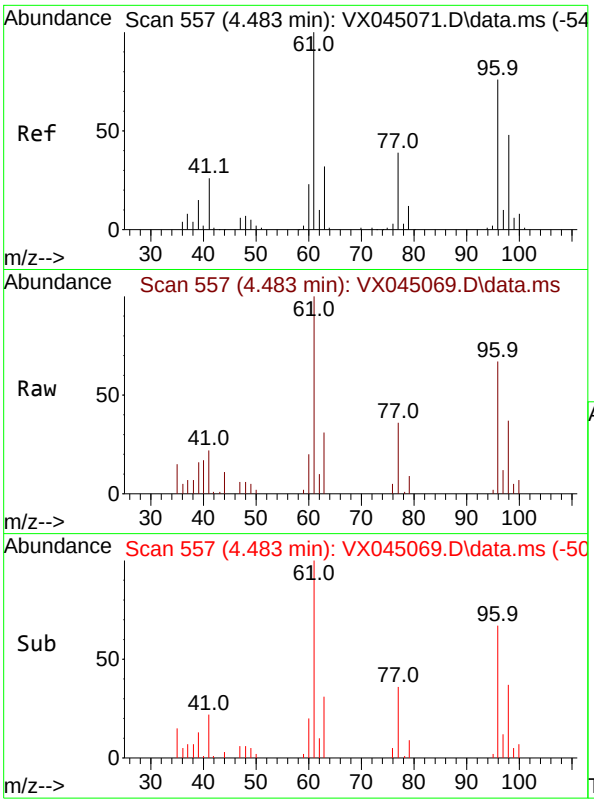


#26
2,2-Dichloropropane
Concen: 3.059 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

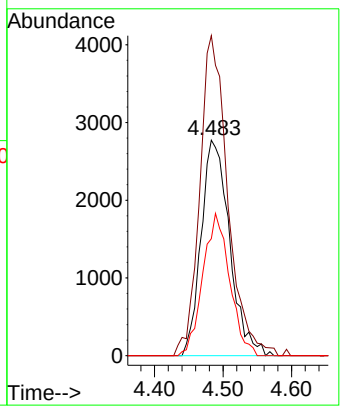
Tgt Ion: 96 Resp: 801

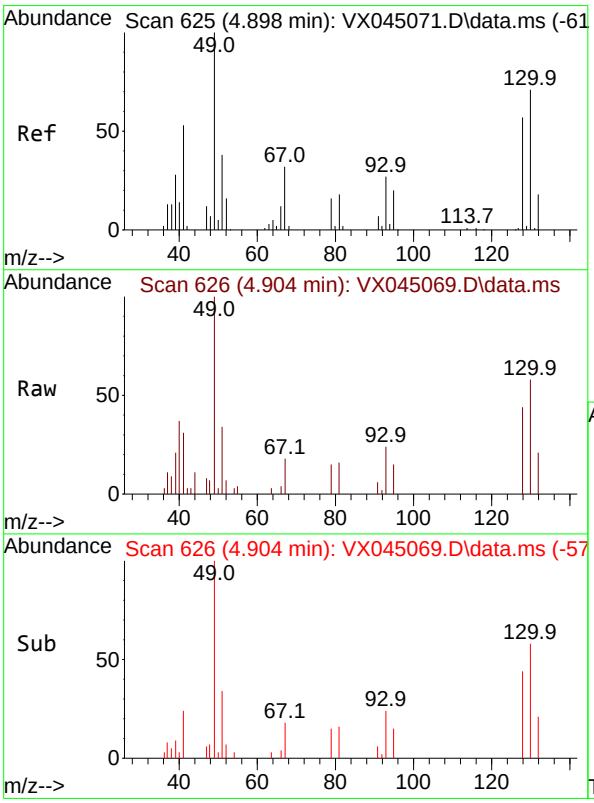
Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	283.2
98	62.0	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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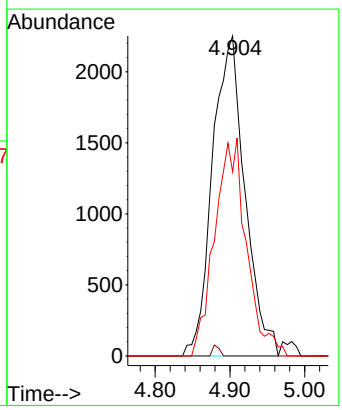


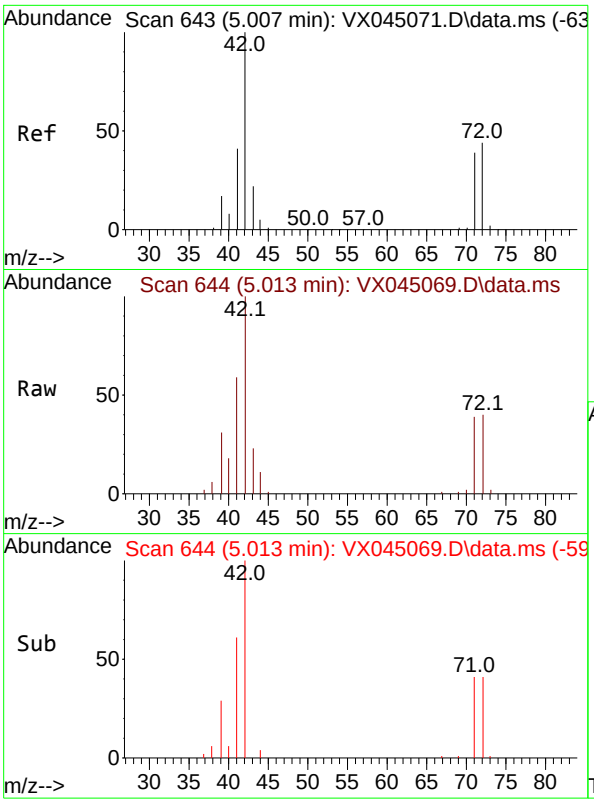


#28
Bromochloromethane
Concen: 5.311 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

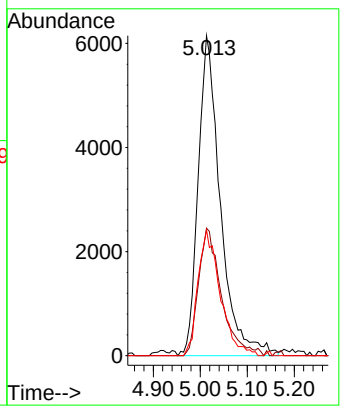
Tgt Ion: 42 Resp: 2018

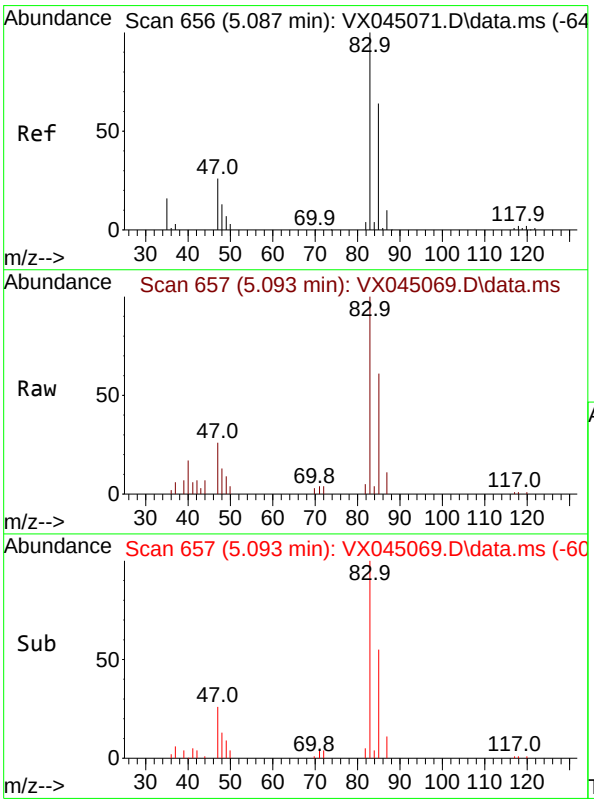
Ion	Ratio	Lower	Upper
42	100		
72	41.2	34.1	51.1
71	39.3	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

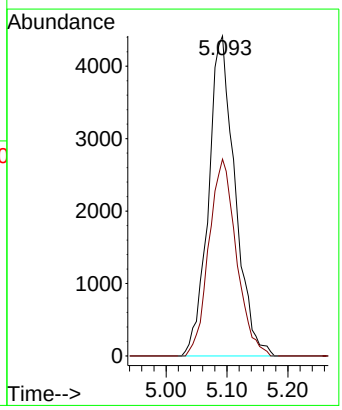


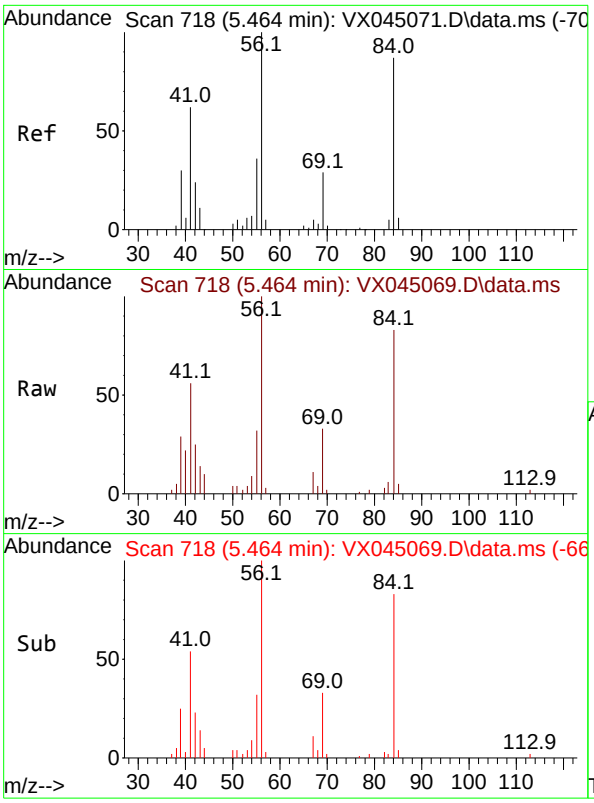


#30
Chloroform
Concen: 5.159 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

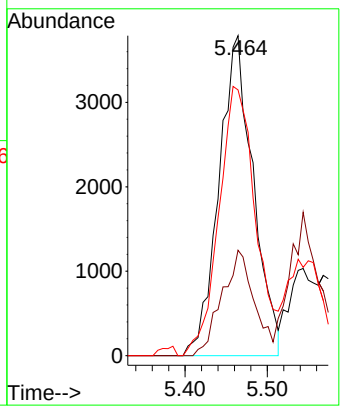
Tgt Ion: 56 Resp: 1096

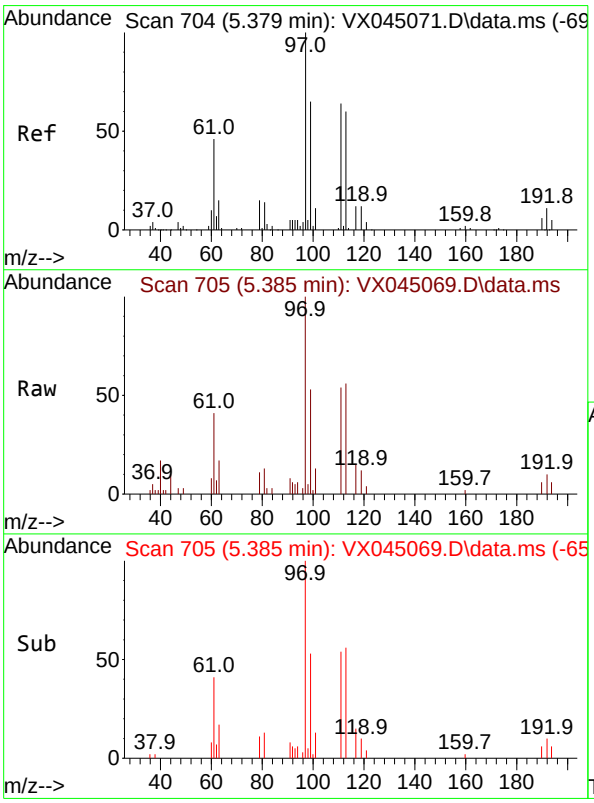
Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.4	35.2
84	83.1	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

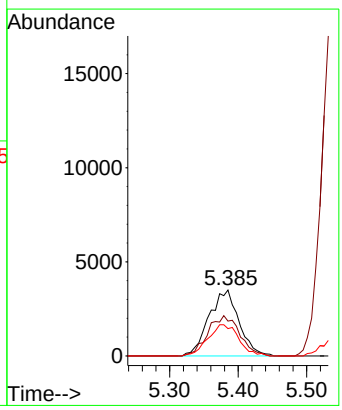


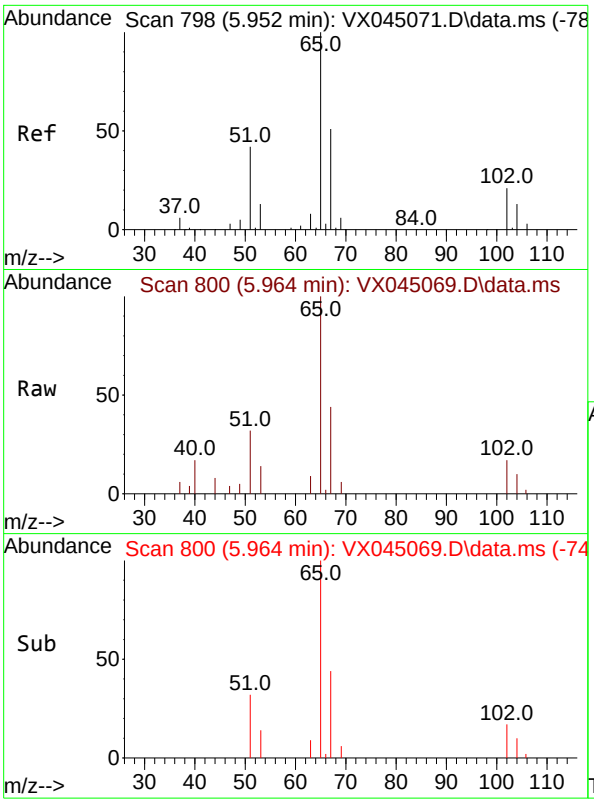


#32
1,1,1-Trichloroethane
Concen: 4.876 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

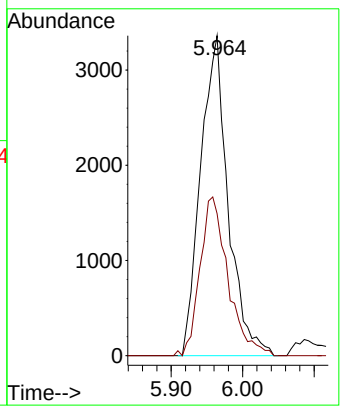




#33
1,2-Dichloroethane-d4
Concen: 5.659 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 65 Resp: 897

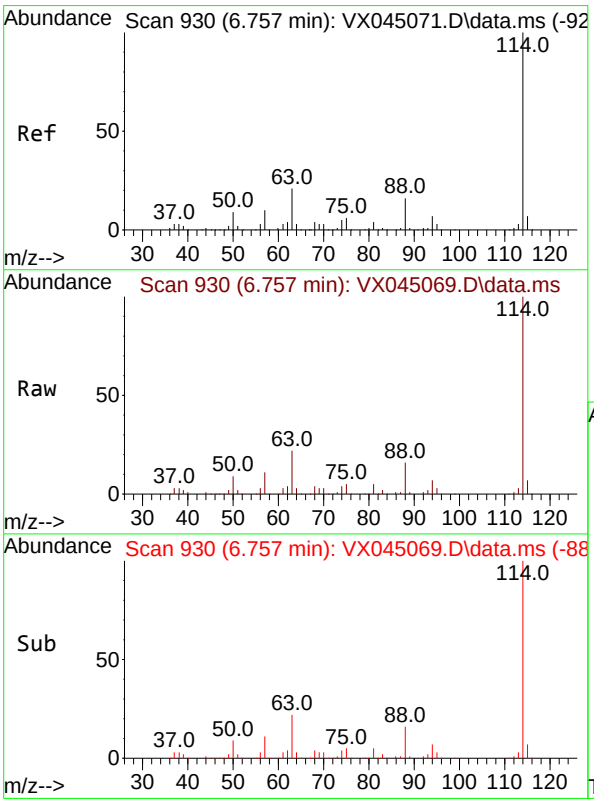
Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

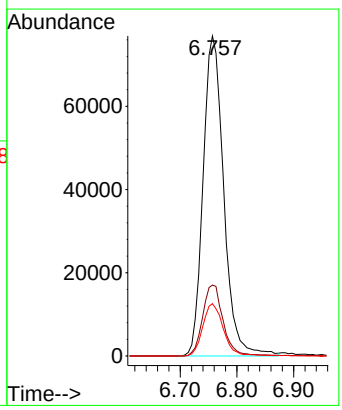
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

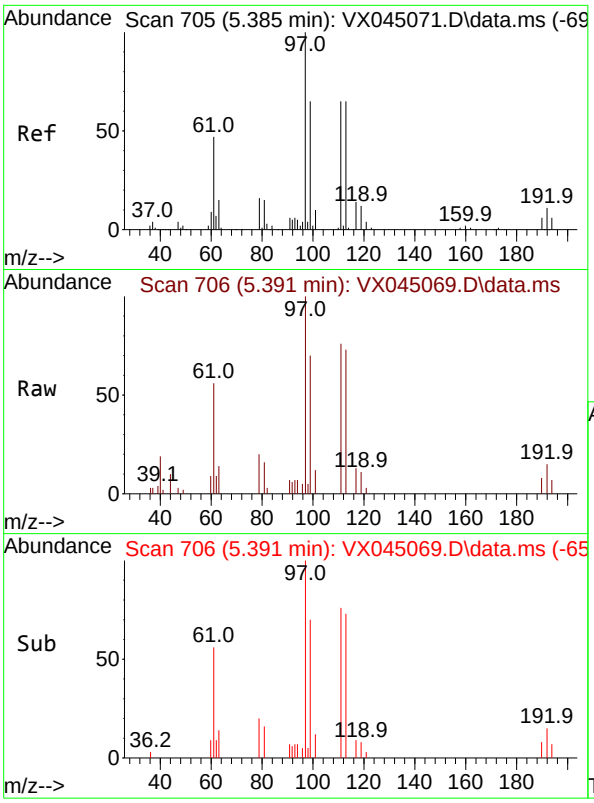


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

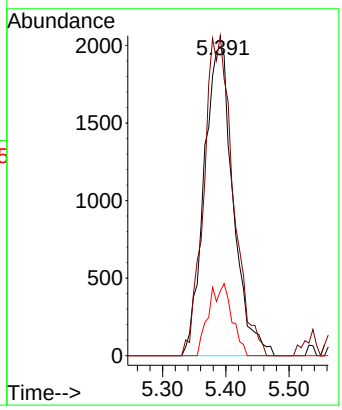




#35
Dibromofluoromethane
Concen: 5.039 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:113 Resp: 639

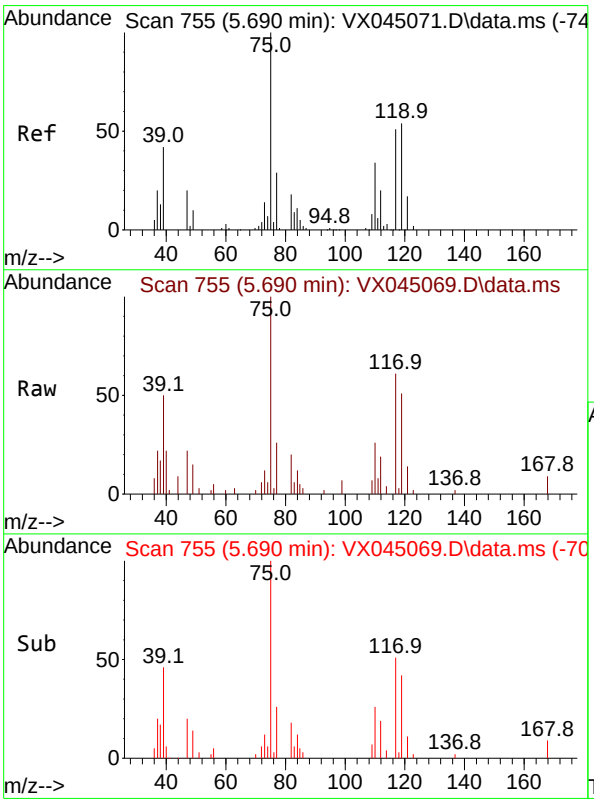
Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.8	122.6
192	18.3	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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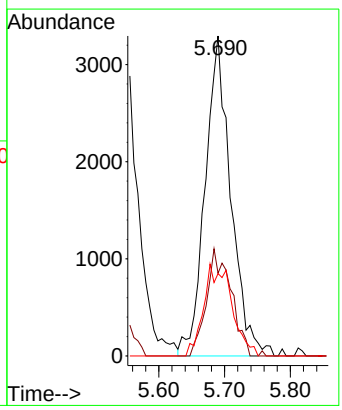
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

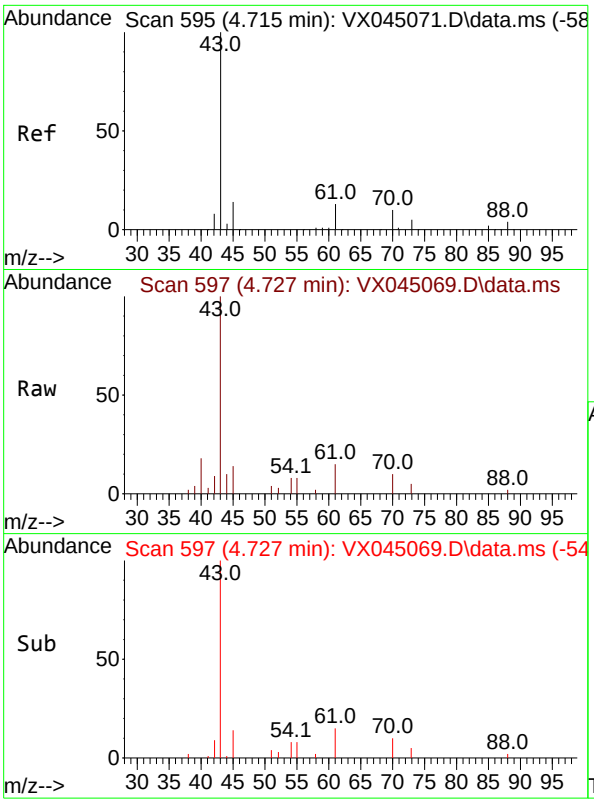


#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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#

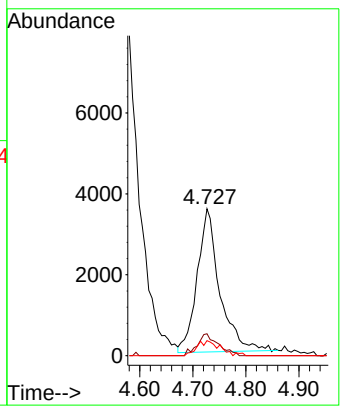




#37
Ethyl Acetate
Concen: 5.035 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 1045

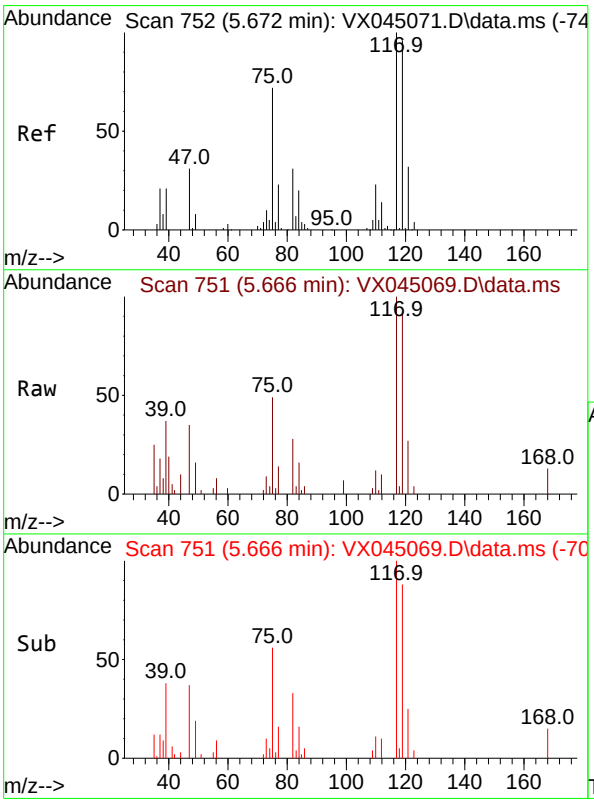
Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.8	16.2
70	10.2	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

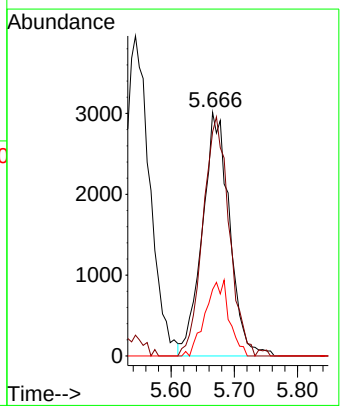
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

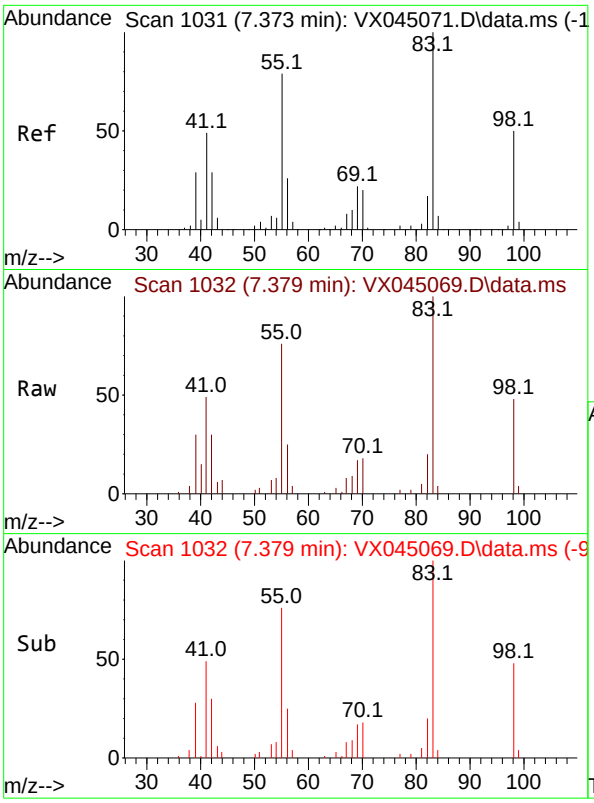


#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

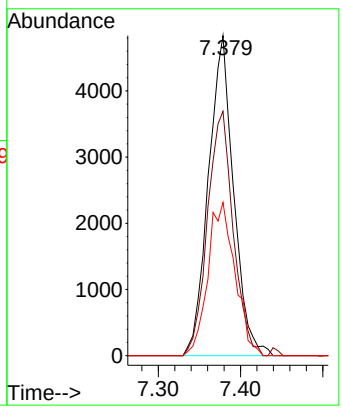




#39
Methylcyclohexane
Concen: 4.414 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 1029

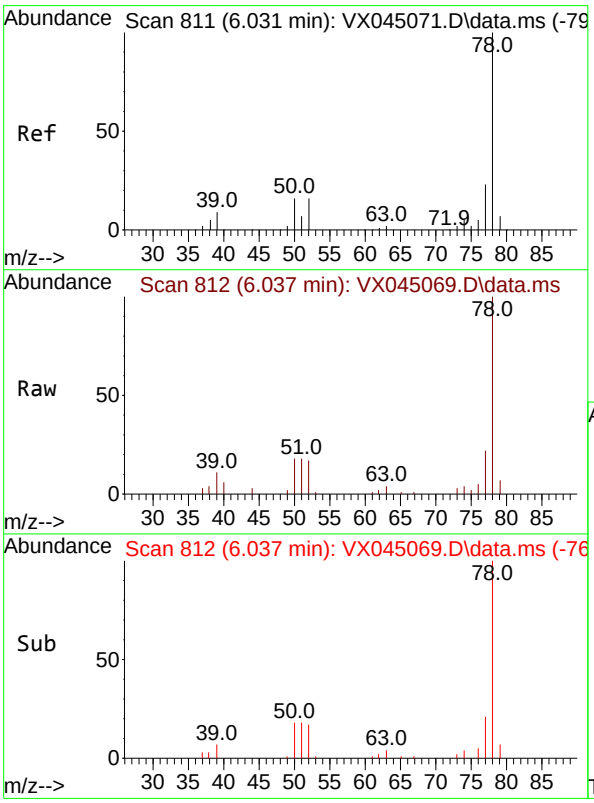
Ion	Ratio	Lower	Upper
83	100		
55	76.4	63.0	94.4
98	47.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

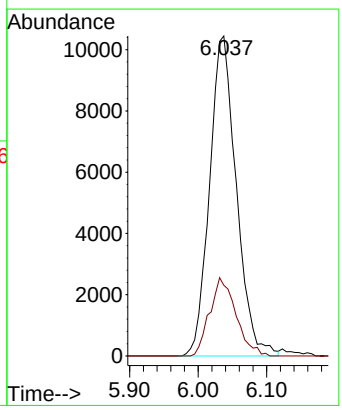
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

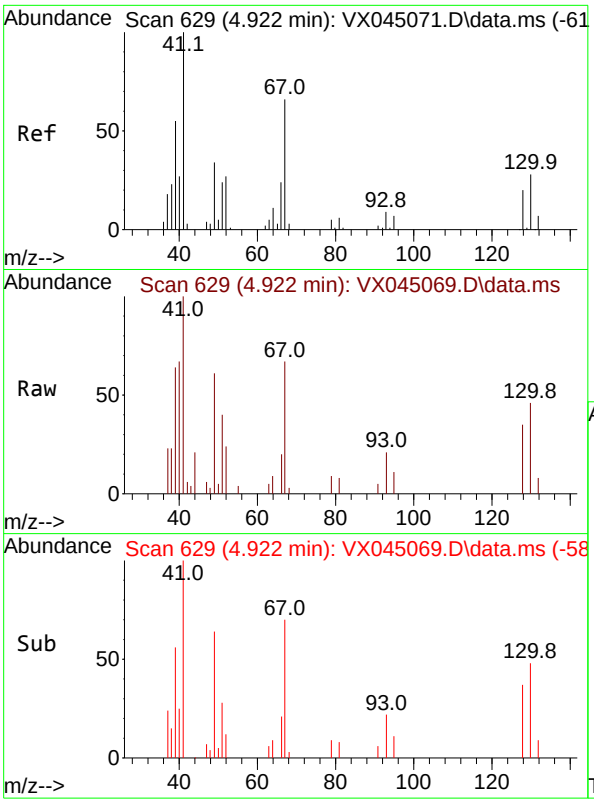


#40
Benzene
Concen: 4.966 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 78 Resp: 28339

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.8	28.2

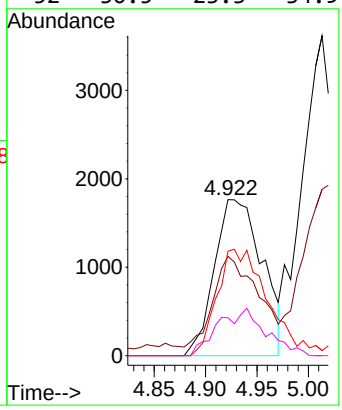




#41
Methacrylonitrile
Concen: 5.136 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 41 Resp: 570

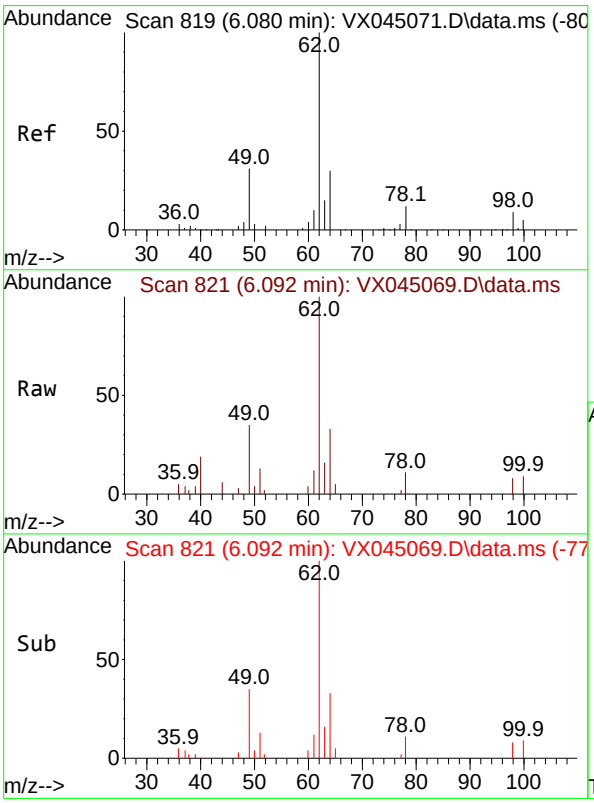
Ion	Ratio	Lower	Upper
41	100		
39	53.3	44.6	67.0
67	73.4	53.9	80.9
52	30.5	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

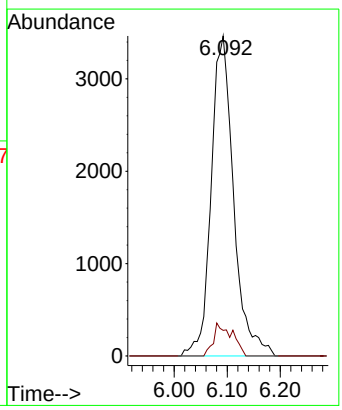
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

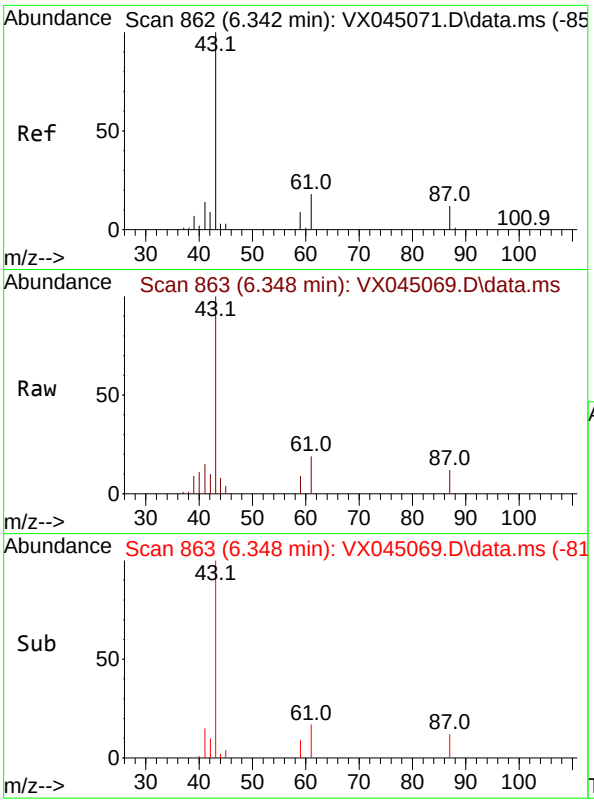


#42
1,2-Dichloroethane
Concen: 5.510 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 10189

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2

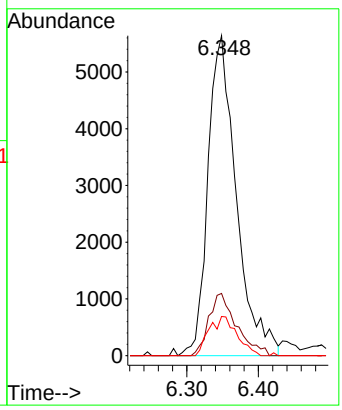




#43
Isopropyl Acetate
Concen: 4.700 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 1554

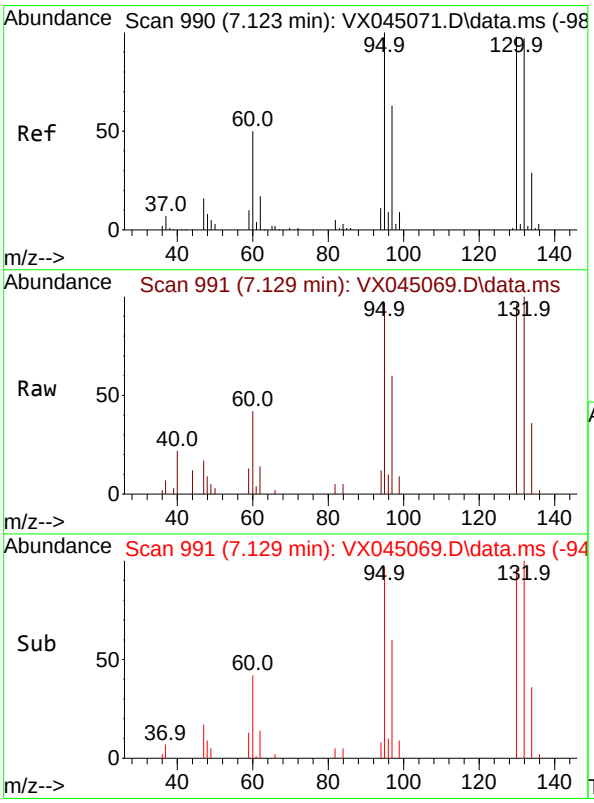
Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.9	22.3
87	12.1	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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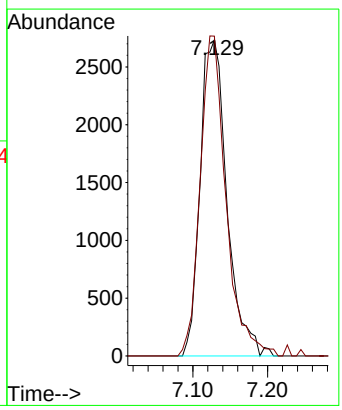
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

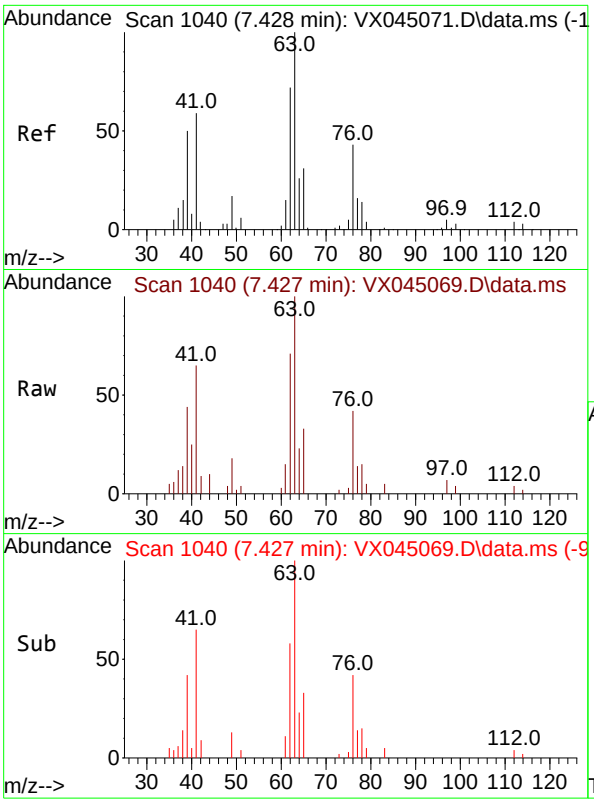


#44
Trichloroethene
Concen: 5.234 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

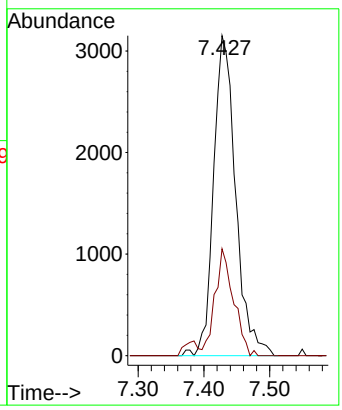
Tgt Ion: 63 Resp: 734

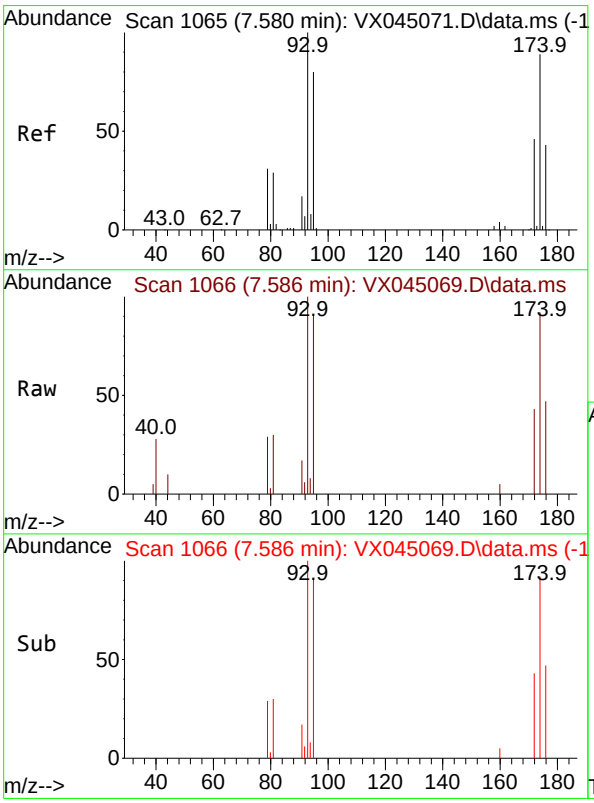
Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

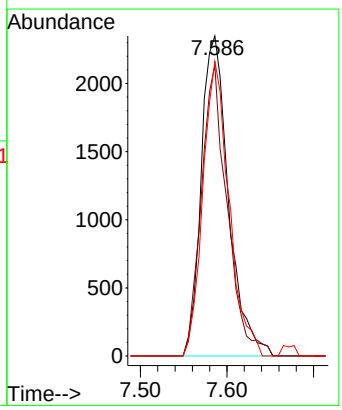


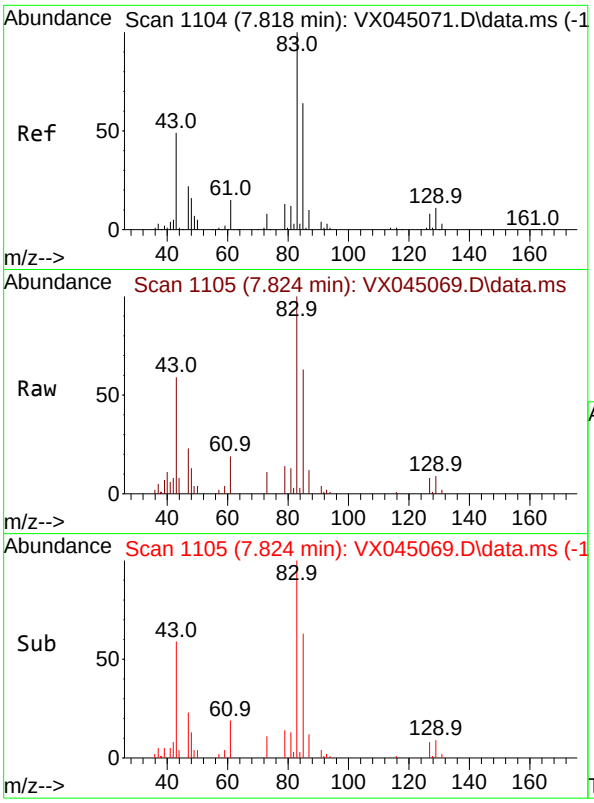


#46
Dibromomethane
Concen: 5.195 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

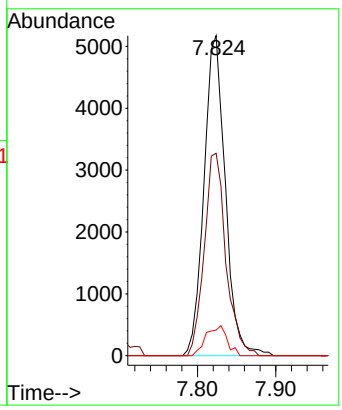
Tgt Ion: 83 Resp: 977

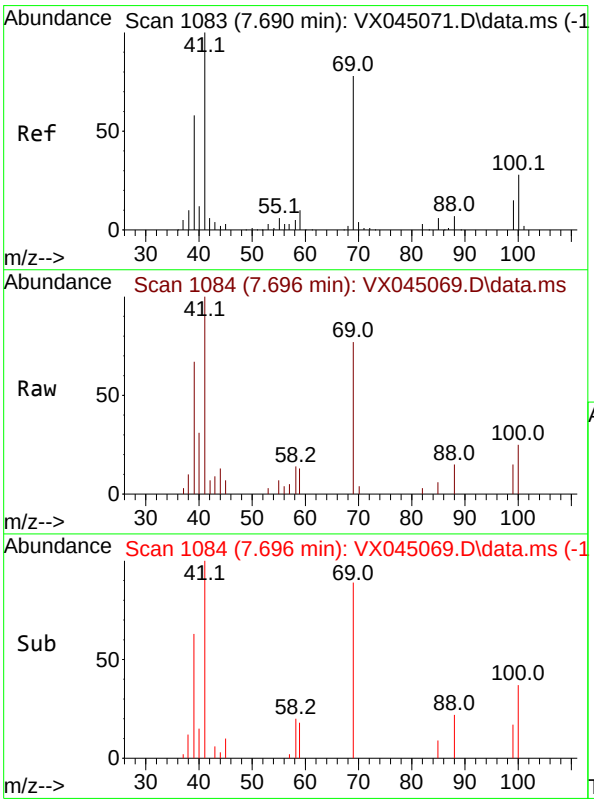
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.0	6.4	9.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

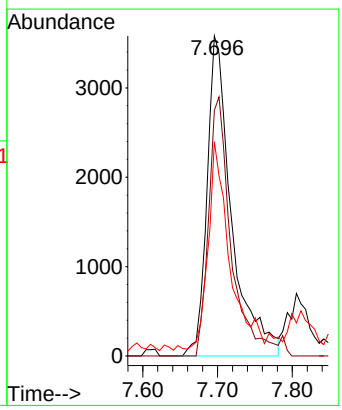


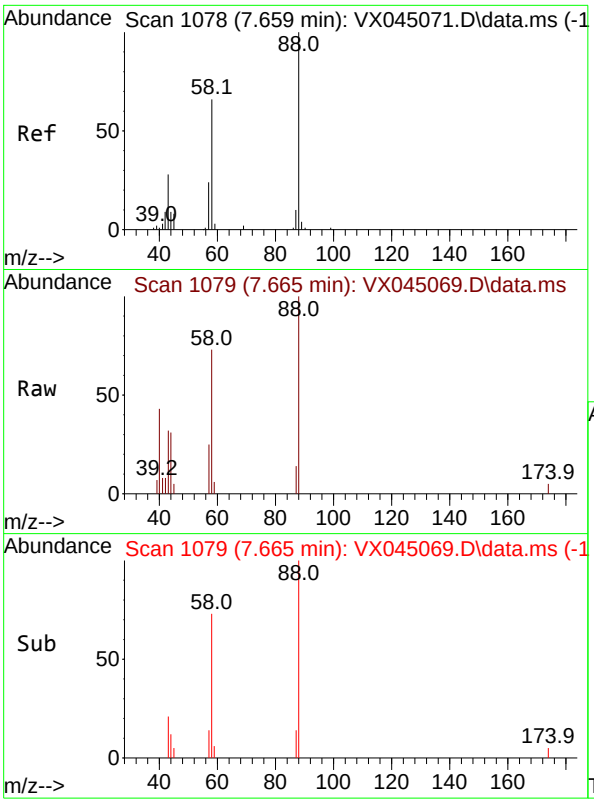


#48
Methyl methacrylate
Concen: 5.224 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

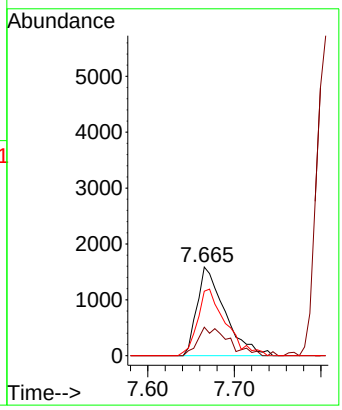
Tgt Ion: 88 Resp: 353

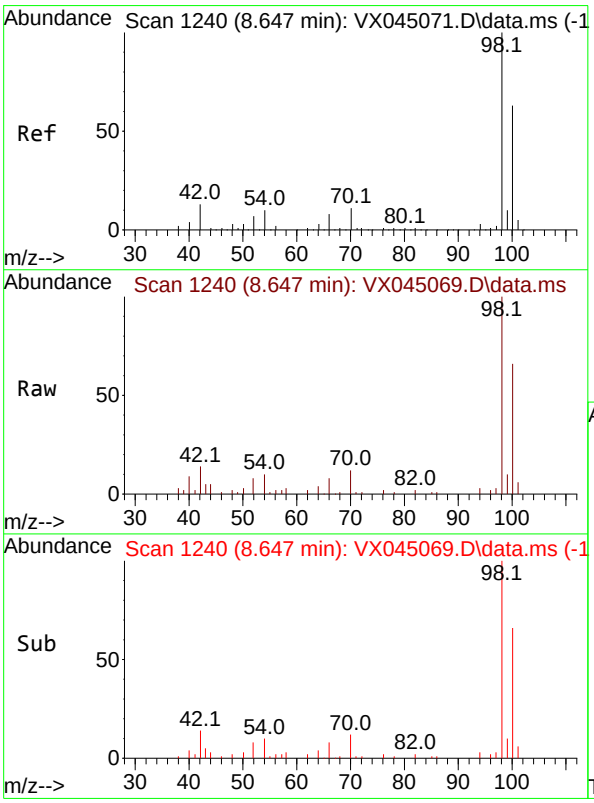
Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.7	43.1
58	75.9	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

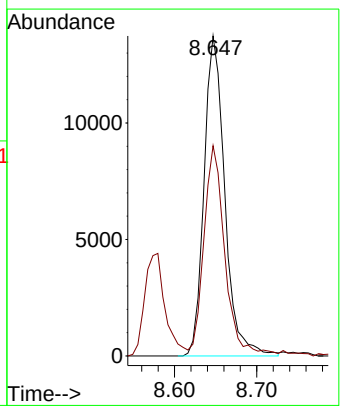


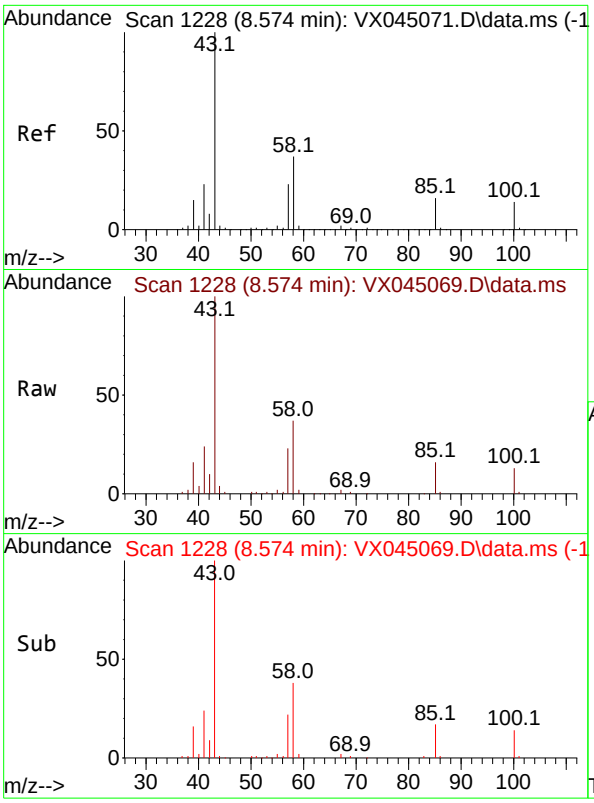


#50
Toluene-d8
Concen: 5.057 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

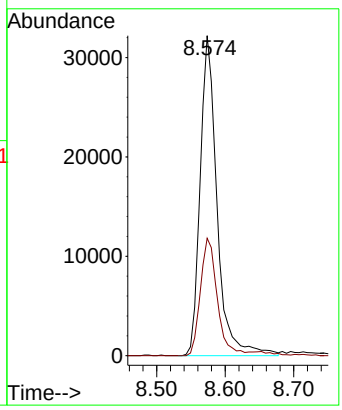
Tgt Ion: 43 Resp: 5532

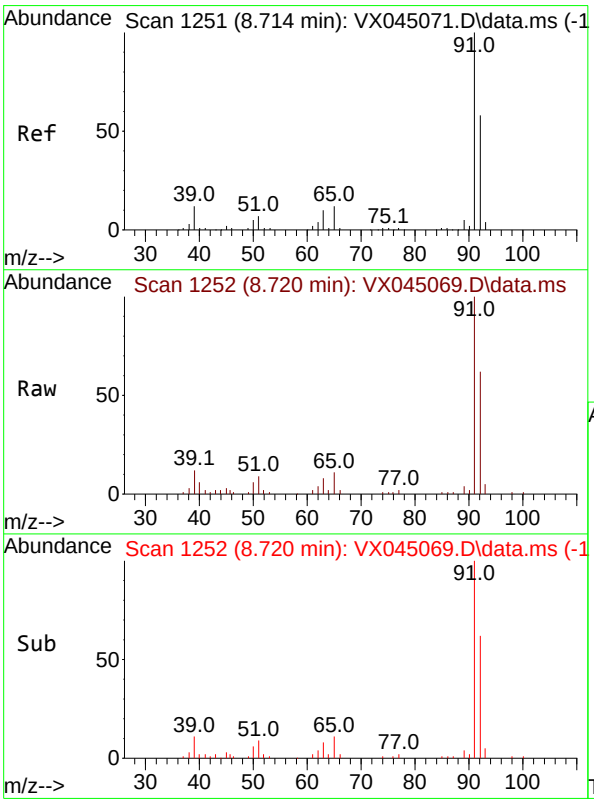
Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

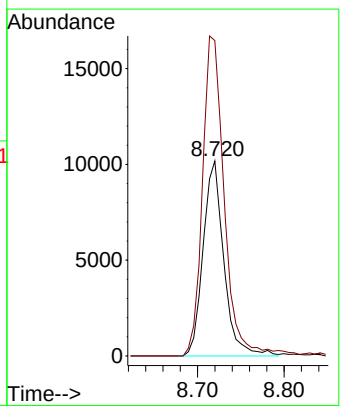


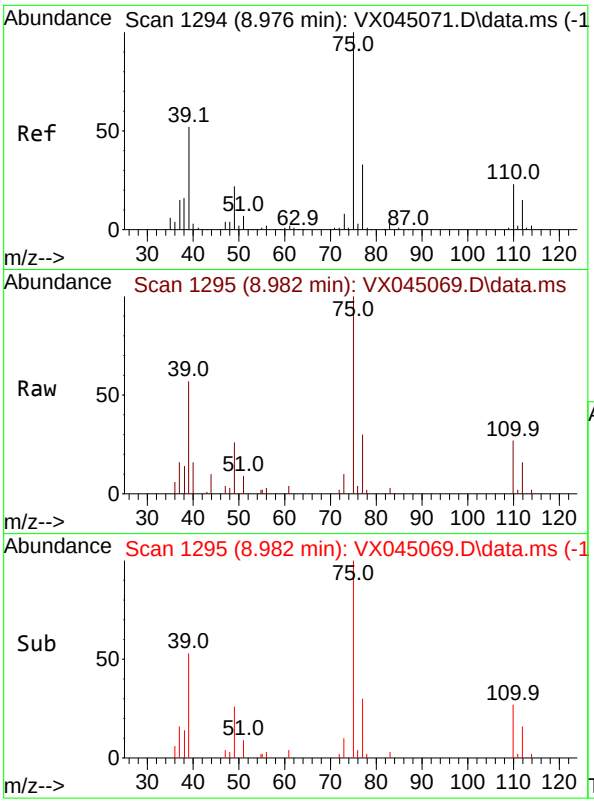


#52
Toluene
Concen: 4.997 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 92 Resp: 16933

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.9	208.3

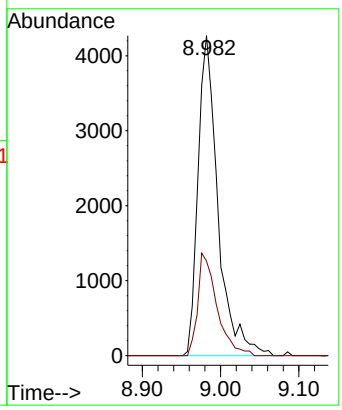




#53
t-1,3-Dichloropropene
Concen: 3.985 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 754

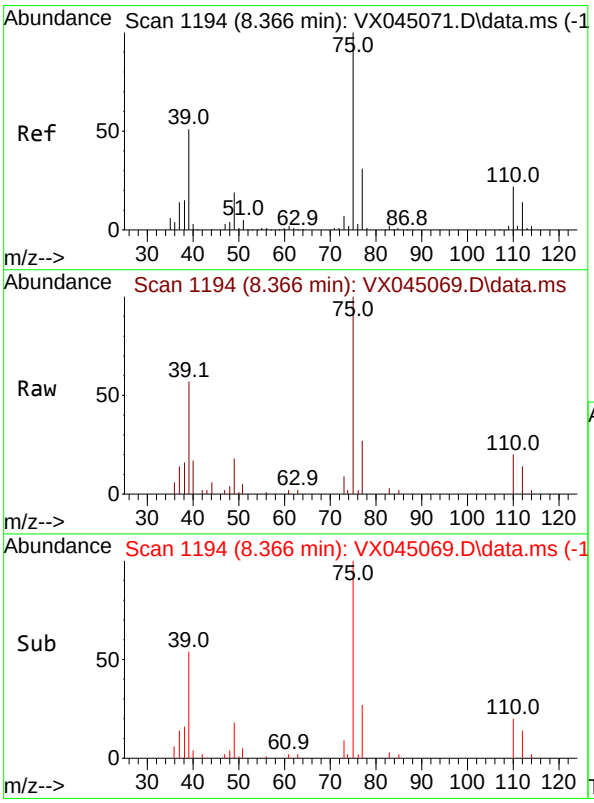
Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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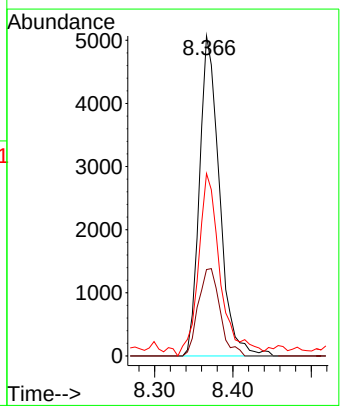
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

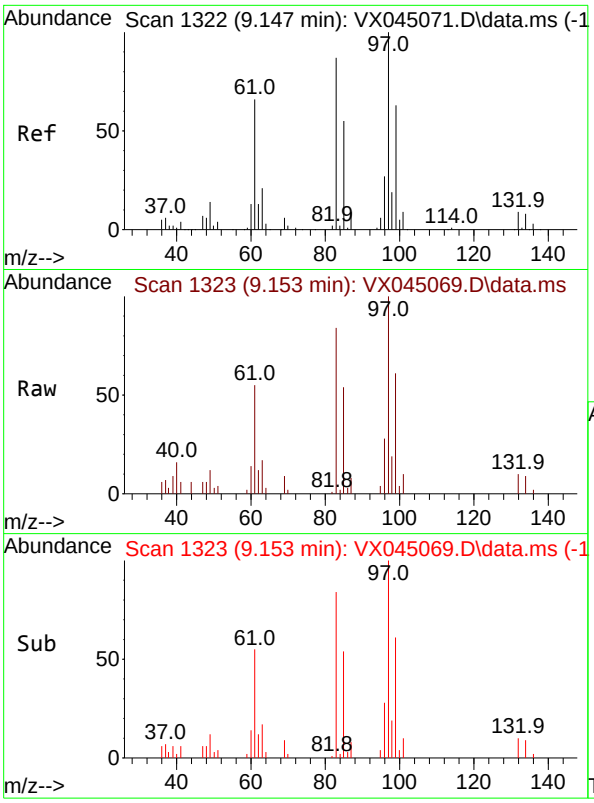


#54
cis-1,3-Dichloropropene
Concen: 4.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

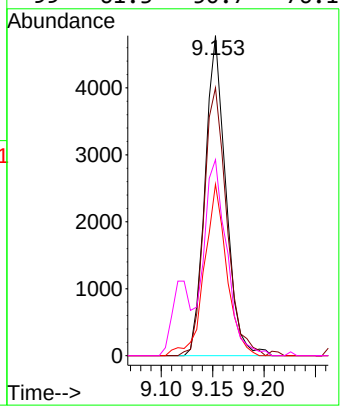




#55
1,1,2-Trichloroethane
Concen: 5.151 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 97 Resp: 675

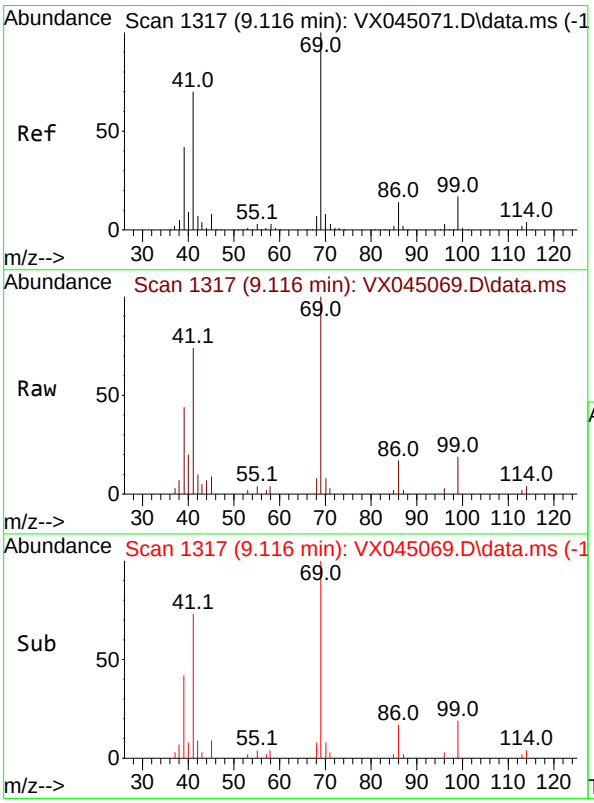
Ion	Ratio	Lower	Upper
97	100		
83	83.7	69.4	104.2
85	53.6	44.1	66.1
99	61.3	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

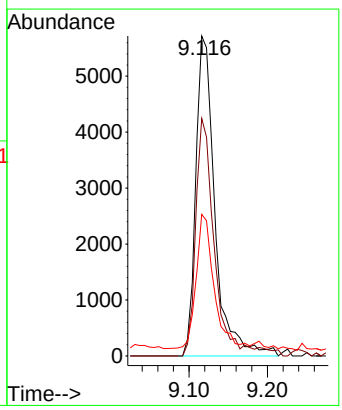
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

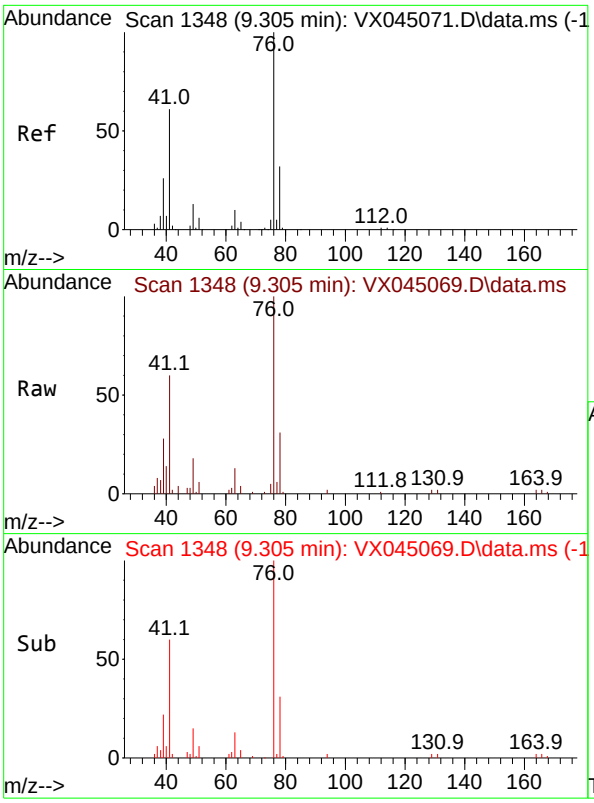


#56
Ethyl methacrylate
Concen: 4.628 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

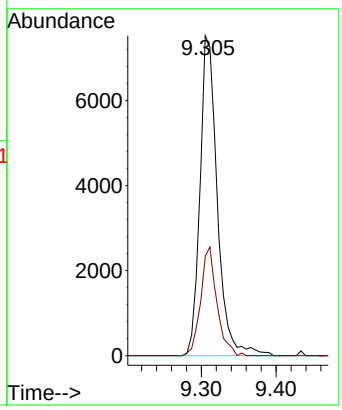




#57
1,3-Dichloropropane
Concen: 5.289 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 76 Resp: 1210

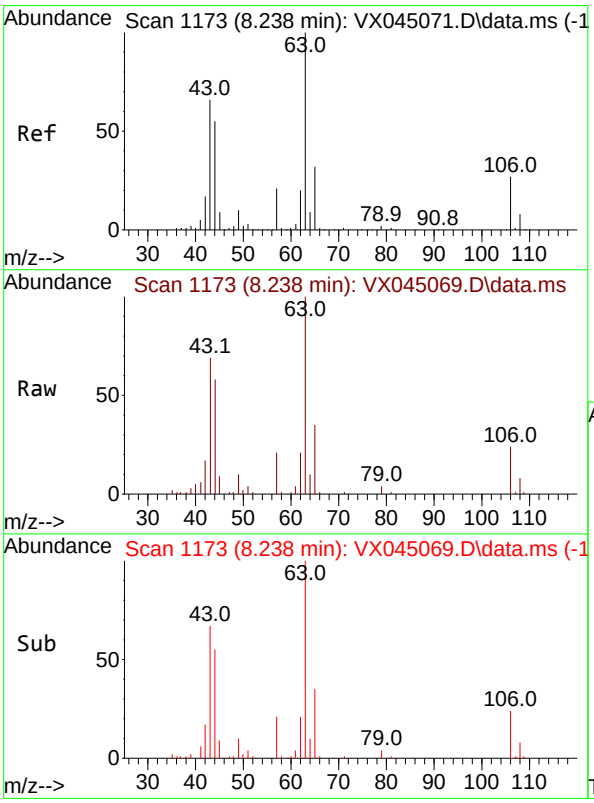
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

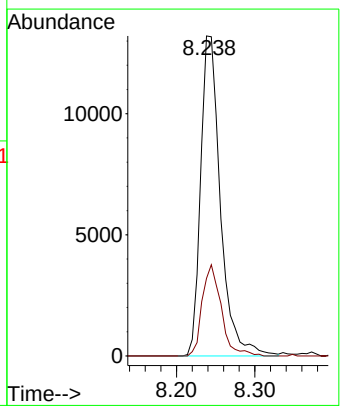
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

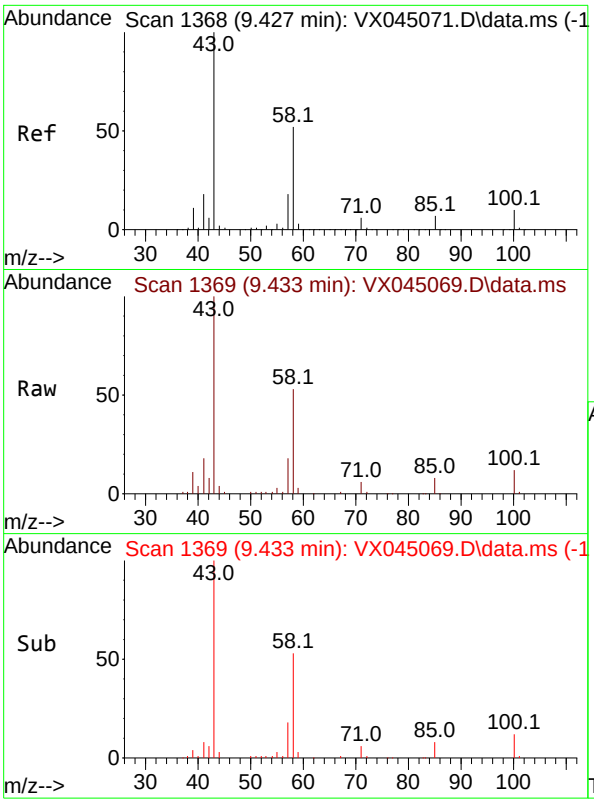


#58
2-Chloroethyl Vinyl ether
Concen: 22.527 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

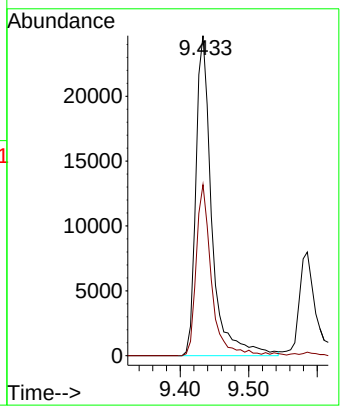
Tgt Ion: 43 Resp: 3999

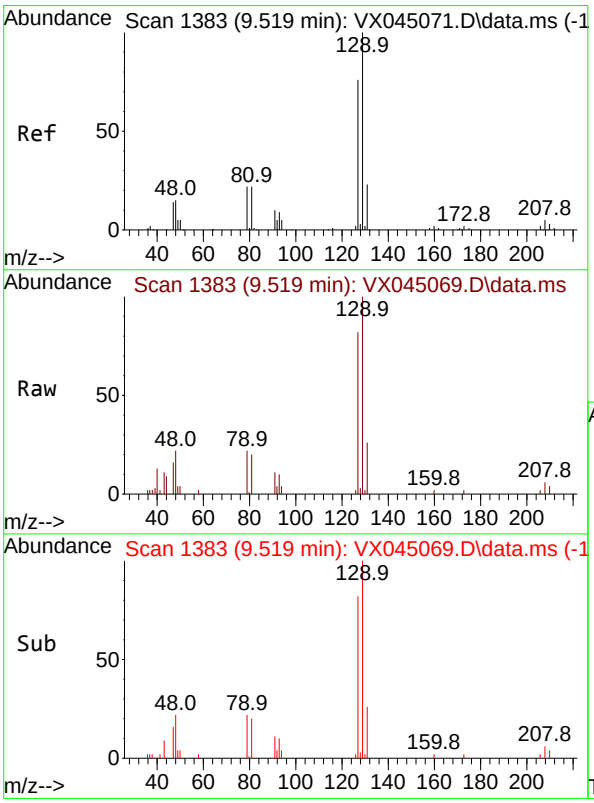
Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

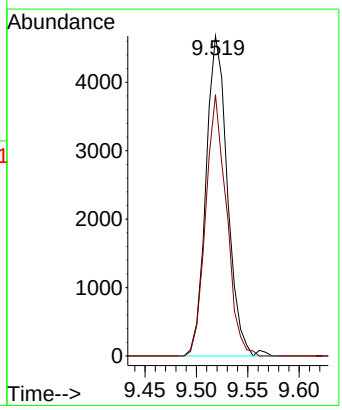


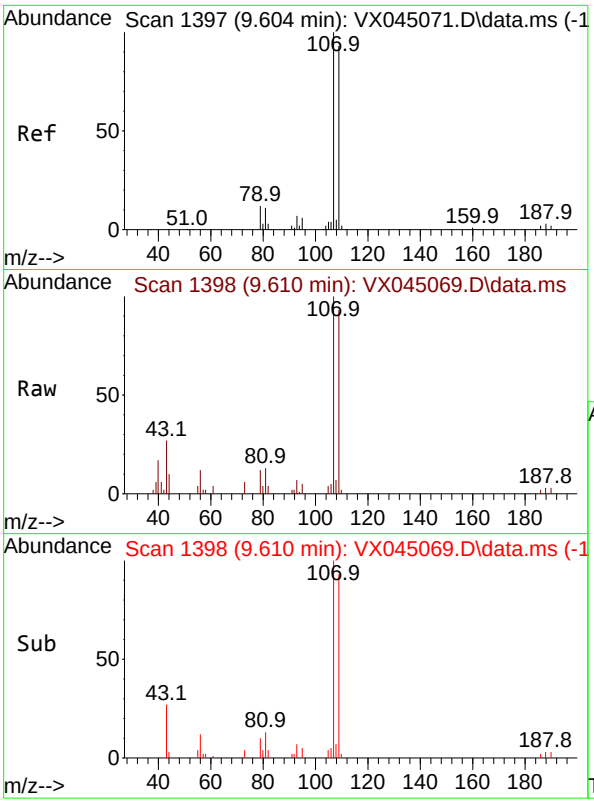


#60
Dibromochloromethane
Concen: 4.846 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

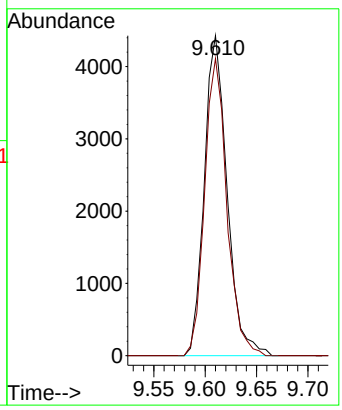
Tgt Ion:107 Resp: 683

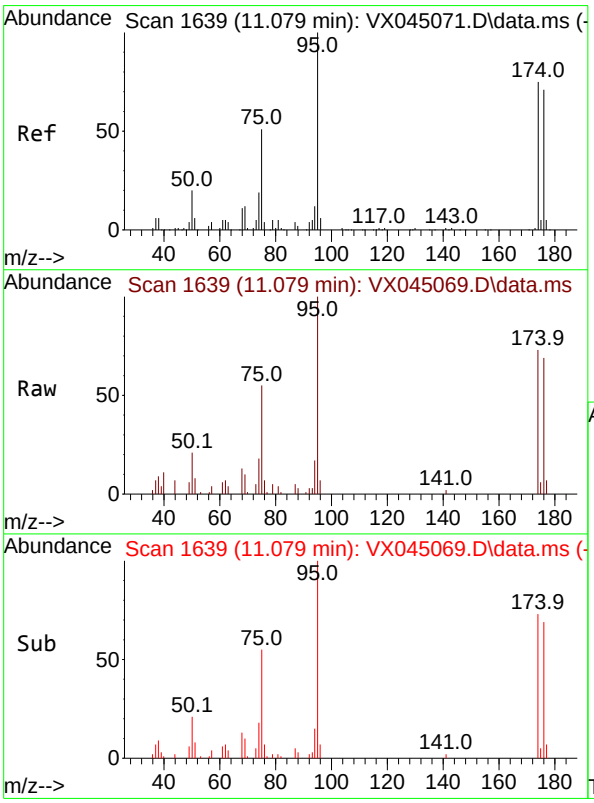
Ion	Ratio	Lower	Upper
107	100		
109	90.7	76.1	114.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

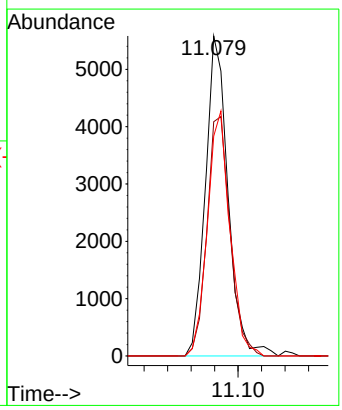


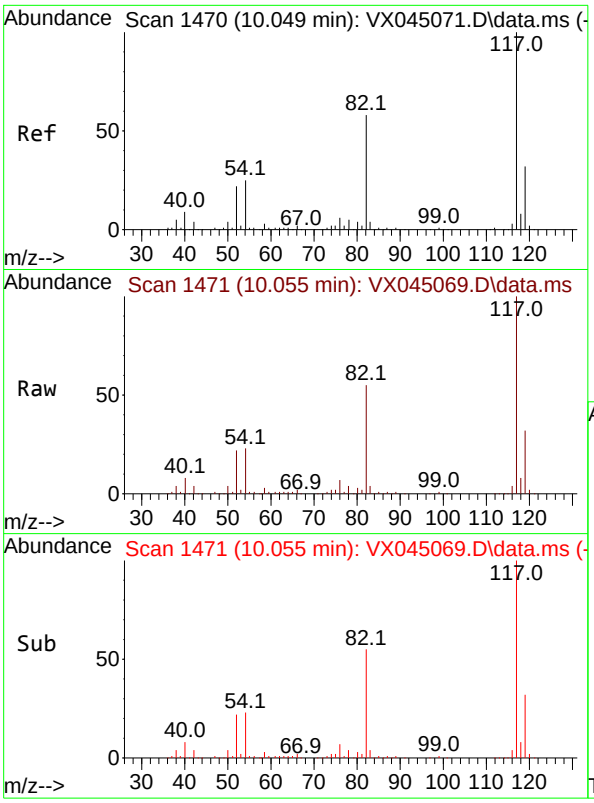


#62
4-Bromofluorobenzene
Concen: 4.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

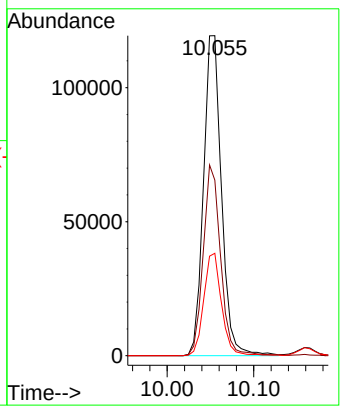




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 17236

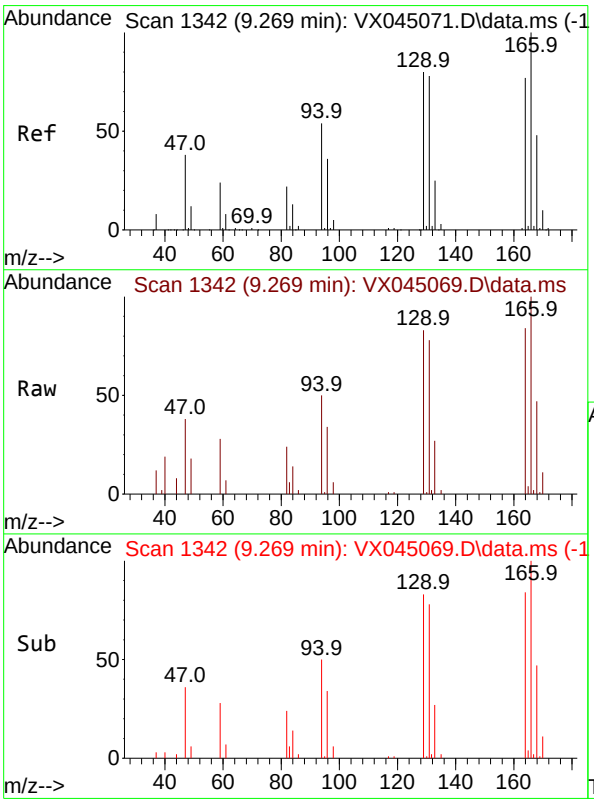
Ion	Ratio	Lower	Upper
117	100		
82	54.8	46.3	69.5
119	32.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

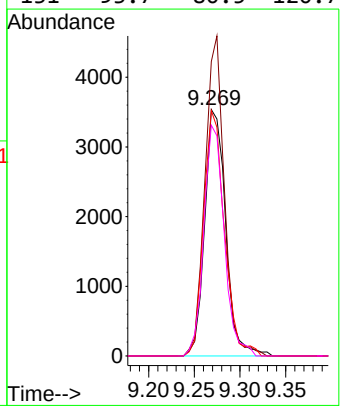
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

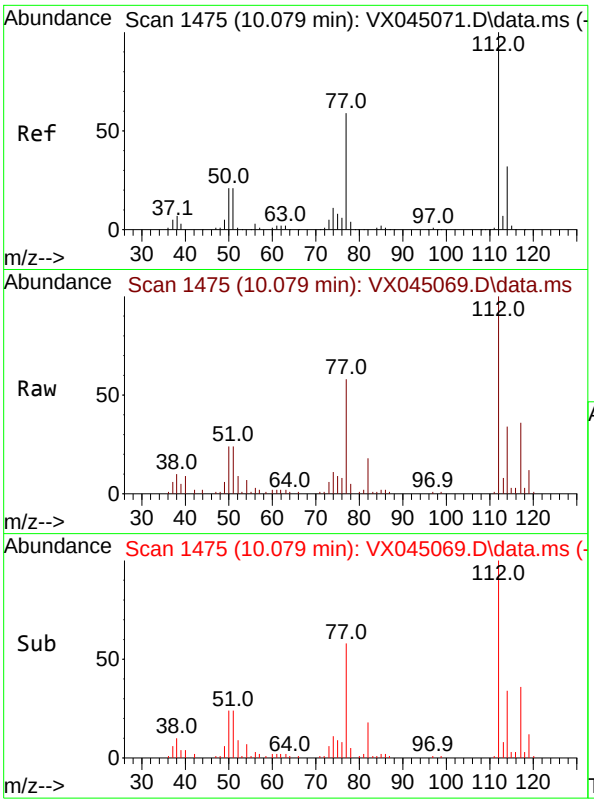


#64
Tetrachloroethene
Concen: 5.128 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

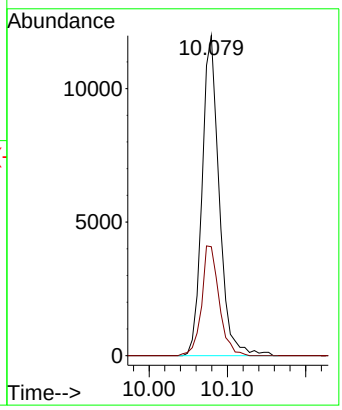




#65
Chlorobenzene
Concen: 4.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:112 Resp: 1816

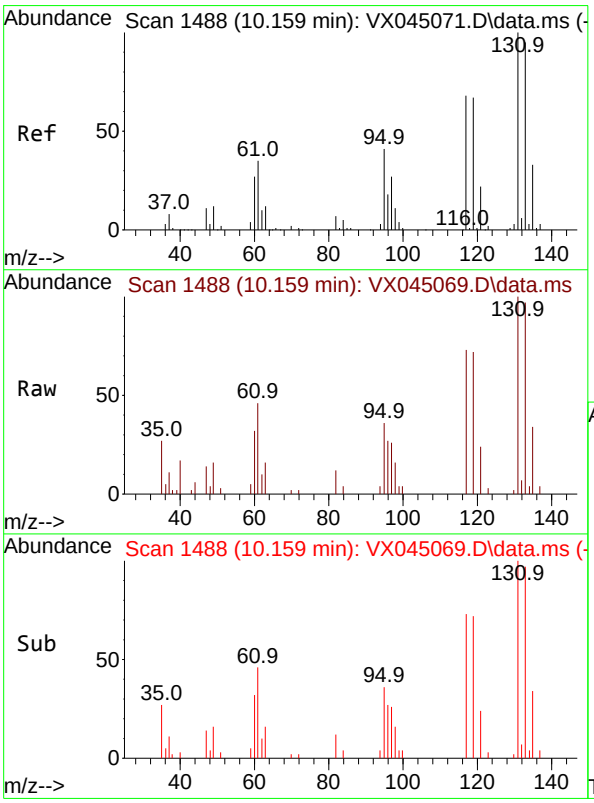
Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

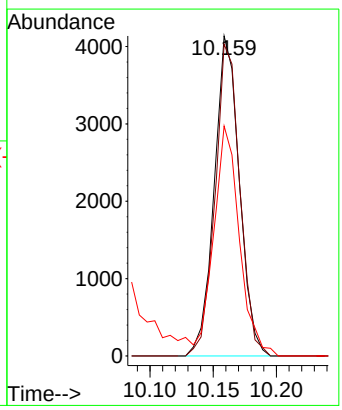
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

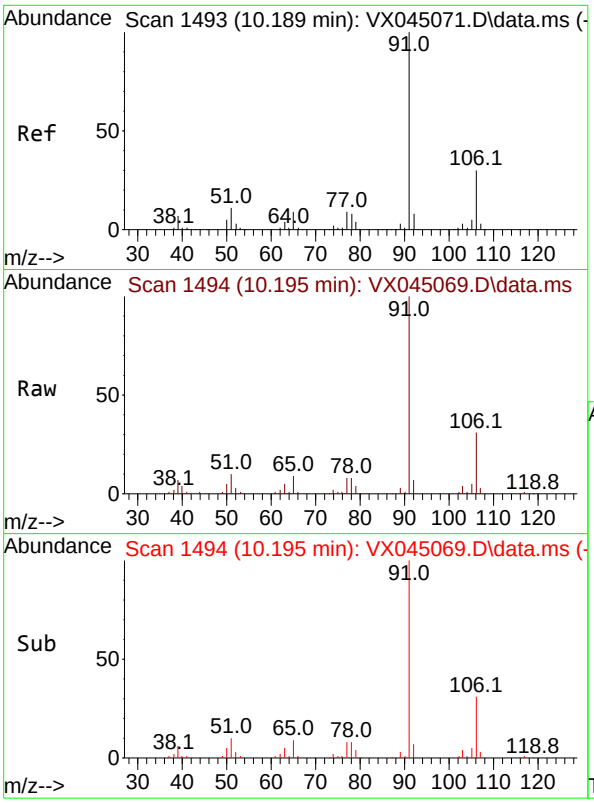


#66
1,1,1,2-Tetrachloroethane
Concen: 4.781 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

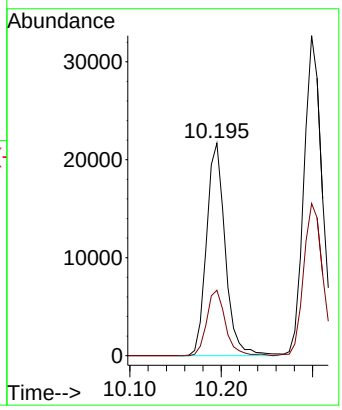




#67
Ethyl Benzene
Concen: 4.725 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 3091

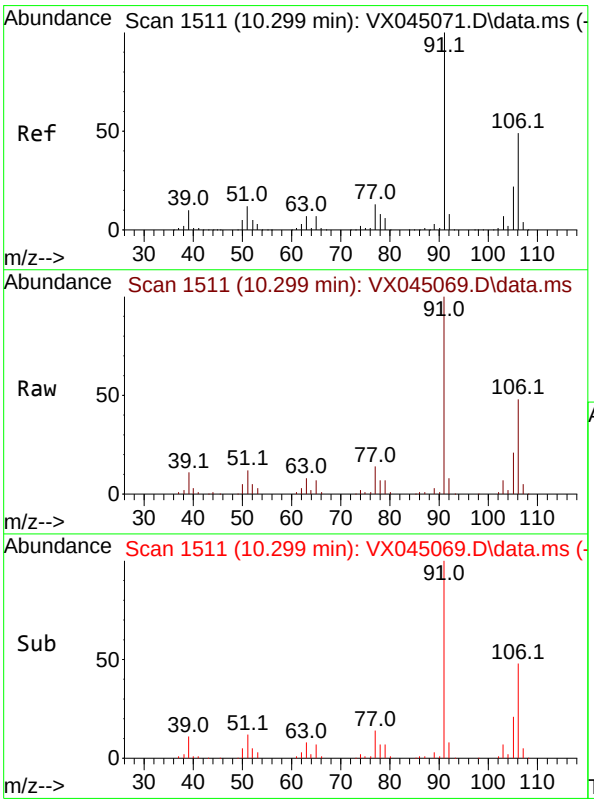
Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

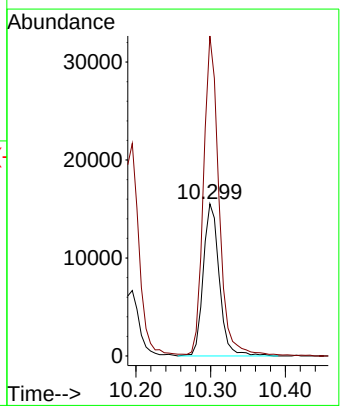
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

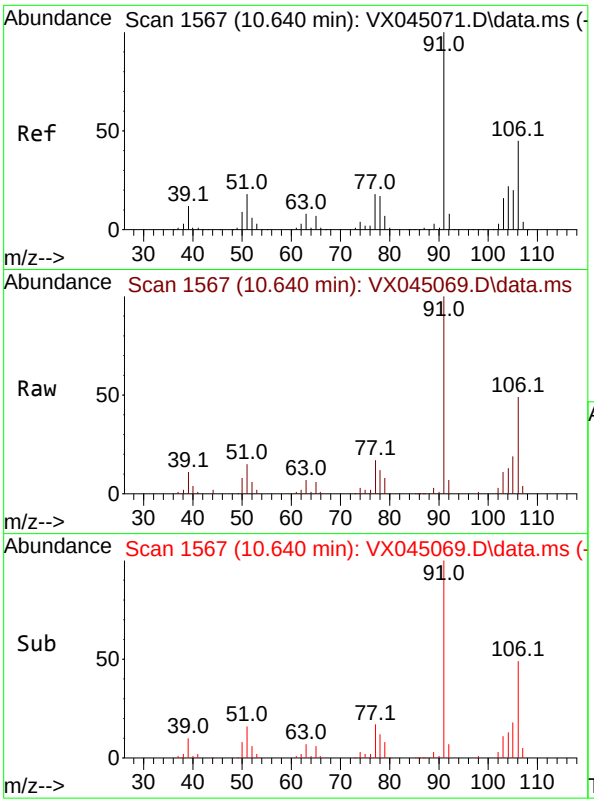


#68
m/p-Xylenes
Concen: 9.608 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 23152

Ion	Ratio	Lower	Upper
106	100		
91	202.7	165.4	248.0

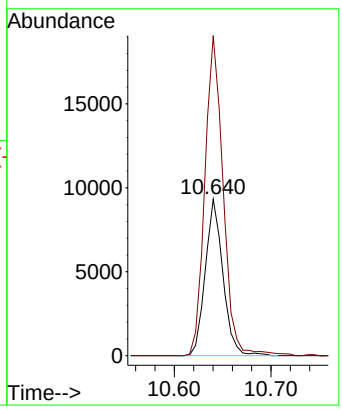




#69
o-Xylene
Concen: 4.914 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 1188

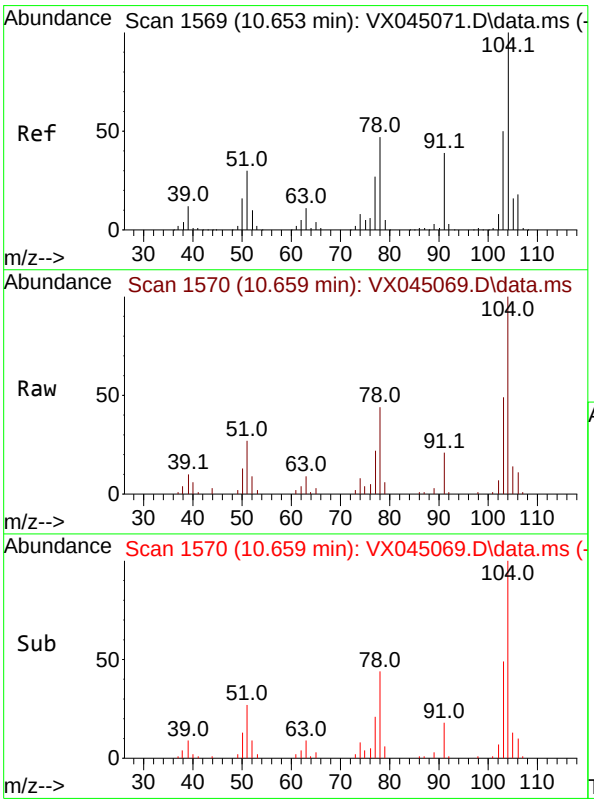
Ion	Ratio	Lower	Upper
106	100		
91	211.7	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

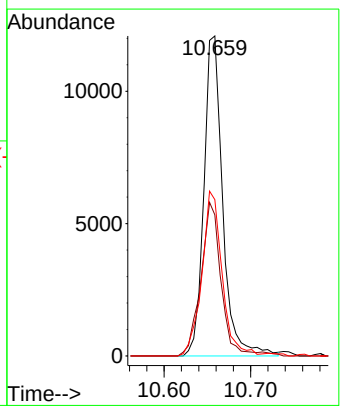
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

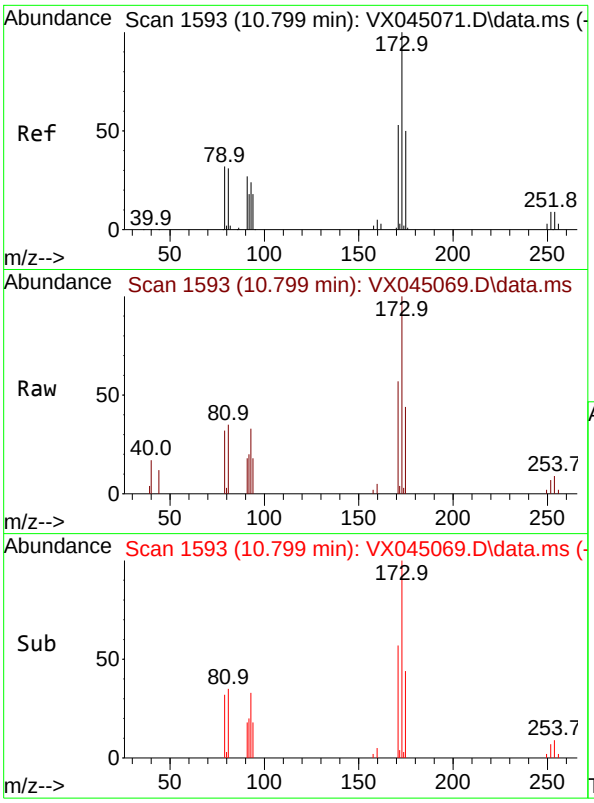


#70
Styrene
Concen: 4.704 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

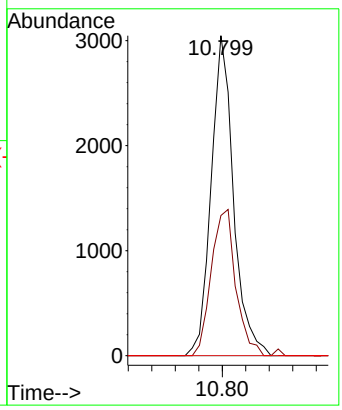




#71
Bromoform
Concen: 4.541 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:173 Resp: 402

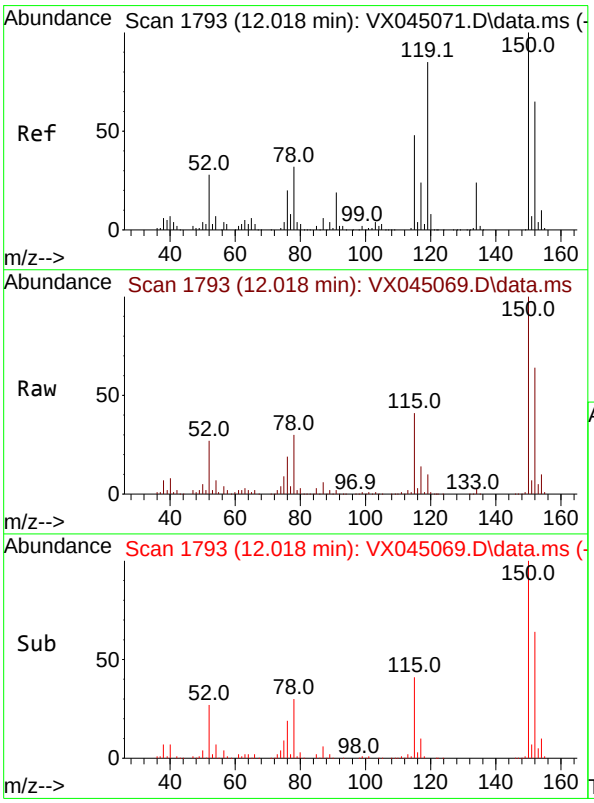
Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

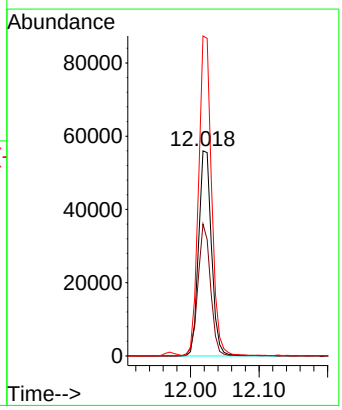
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

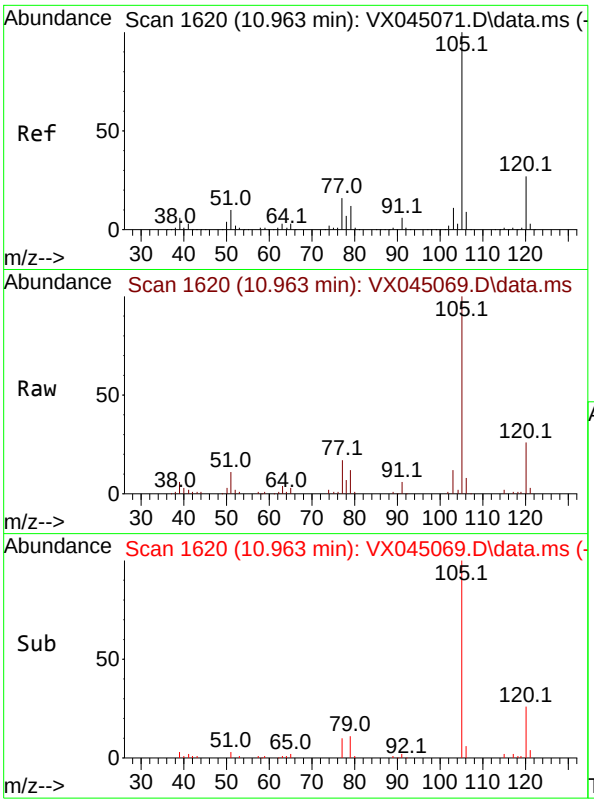


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

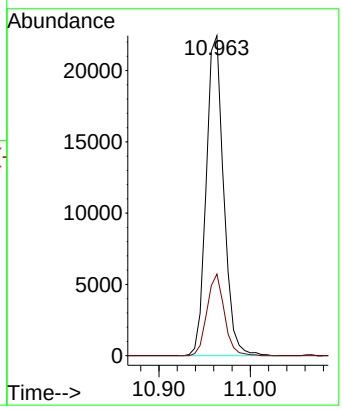
Tgt Ion:105 Resp: 2968

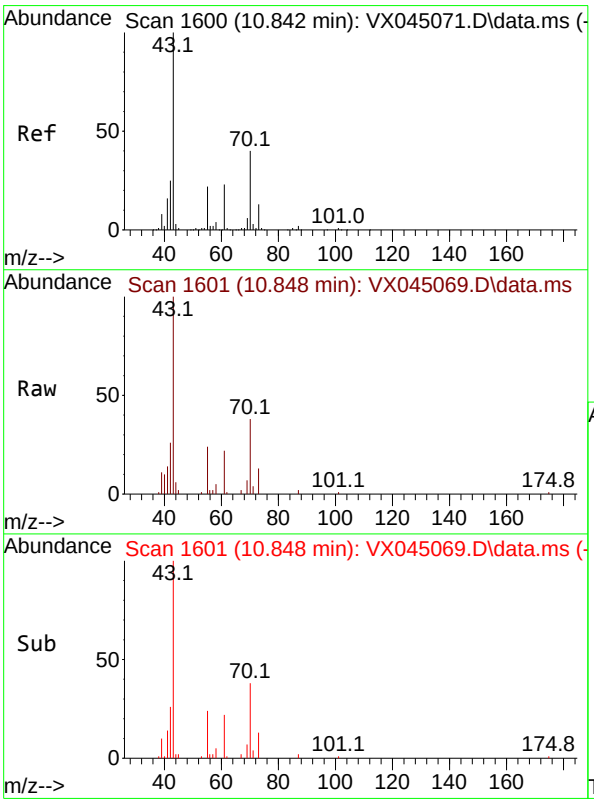
Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

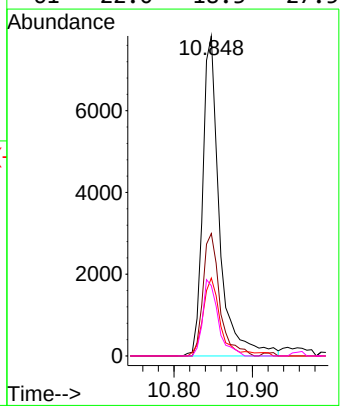


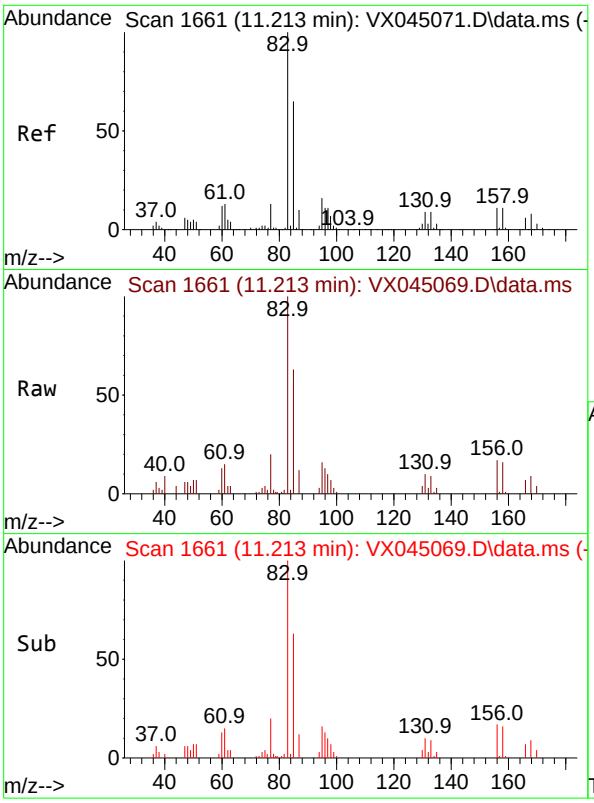


#74
N-amyl acetate
Concen: 4.300 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

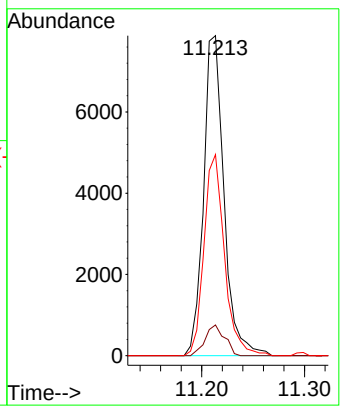




#75
1,1,2,2-Tetrachloroethane
Concen: 5.310 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 1088

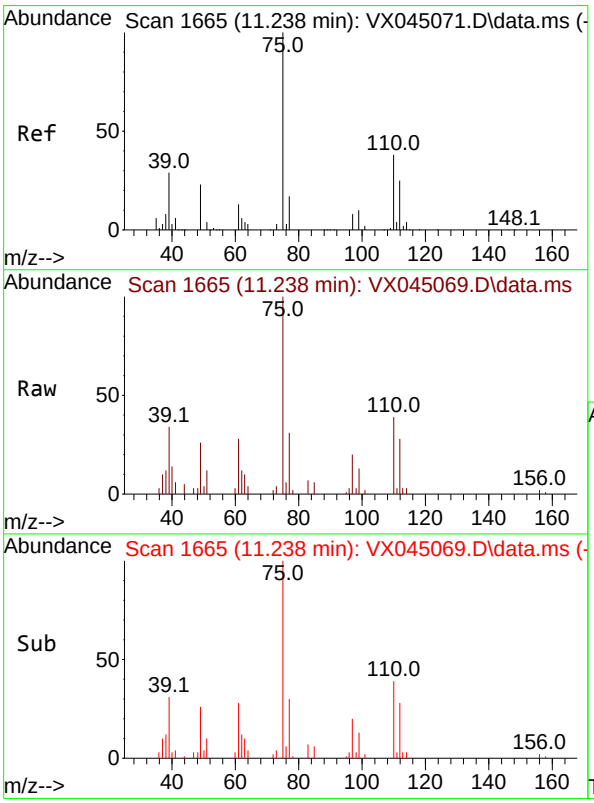
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.4
85	63.1	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

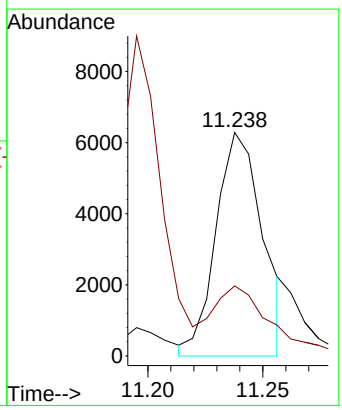
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

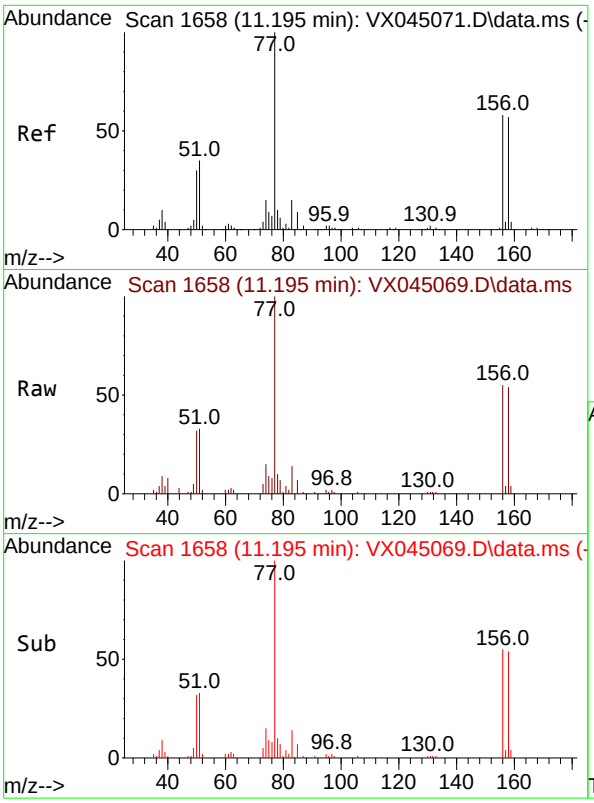


#76
1,2,3-Trichloropropane
Concen: 5.384 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 8839

Ion	Ratio	Lower	Upper
75	100		
77	39.8	20.7	62.1

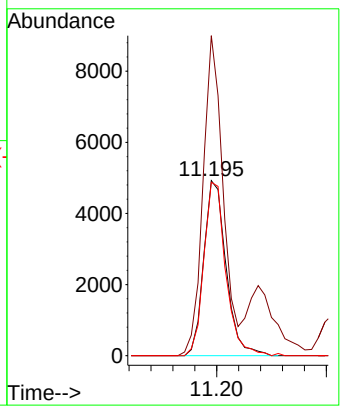




#77
Bromobenzene
Concen: 5.163 ug/l
RT: 11.195 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:156 Resp: 697(

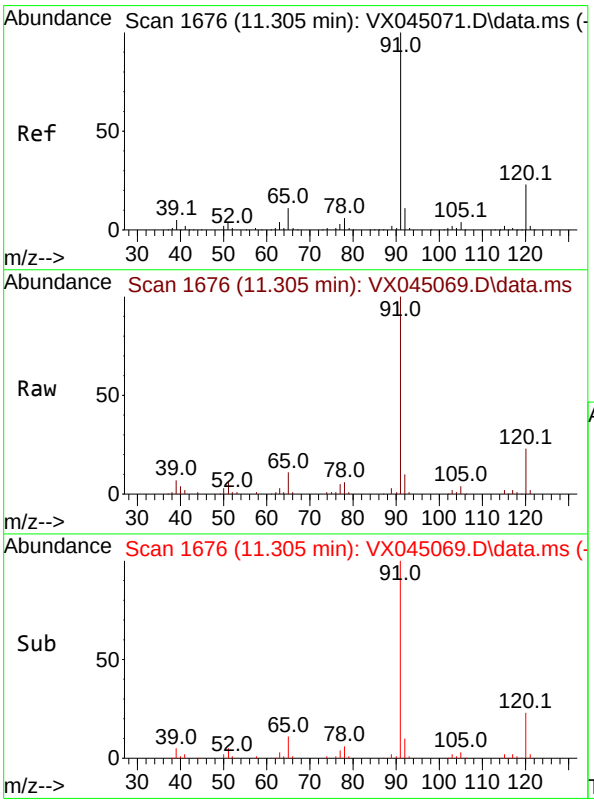
Ion	Ratio	Lower	Upper
156	100		
77	163.3	85.8	257.4
158	97.8	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

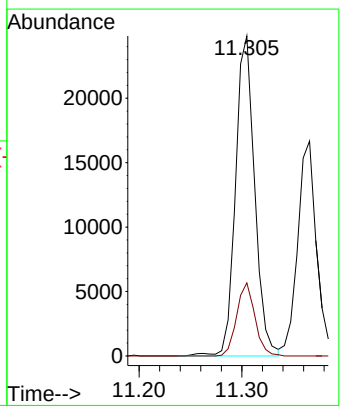
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

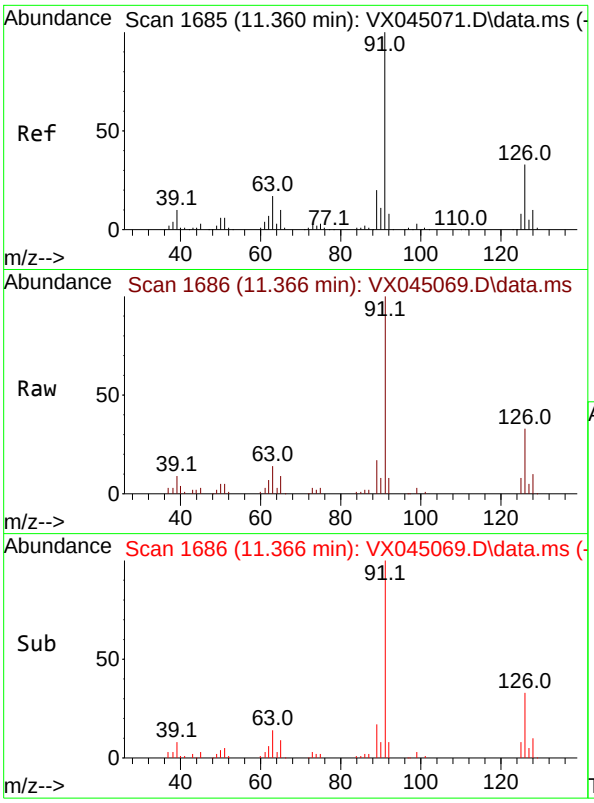


#78
n-propylbenzene
Concen: 4.694 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

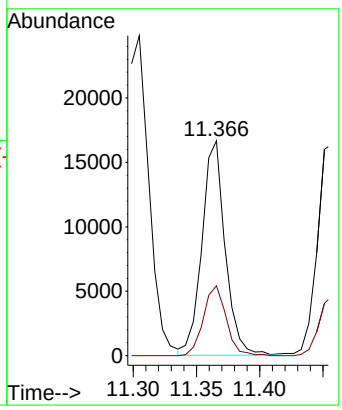
Tgt Ion: 91 Resp: 2125

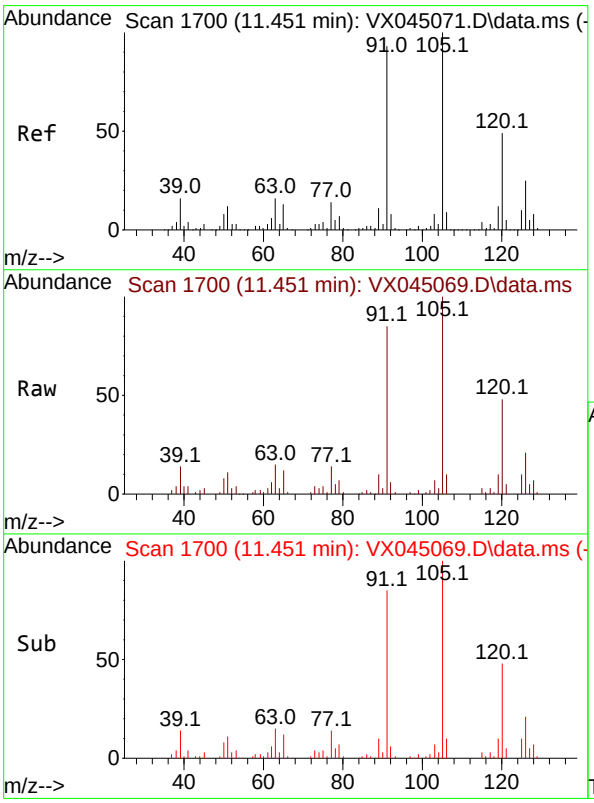
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

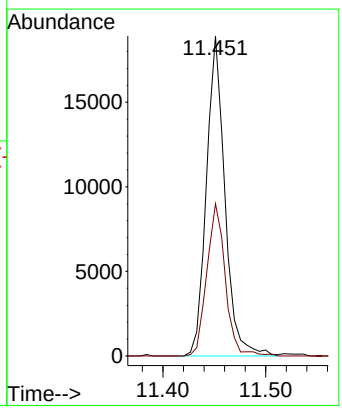


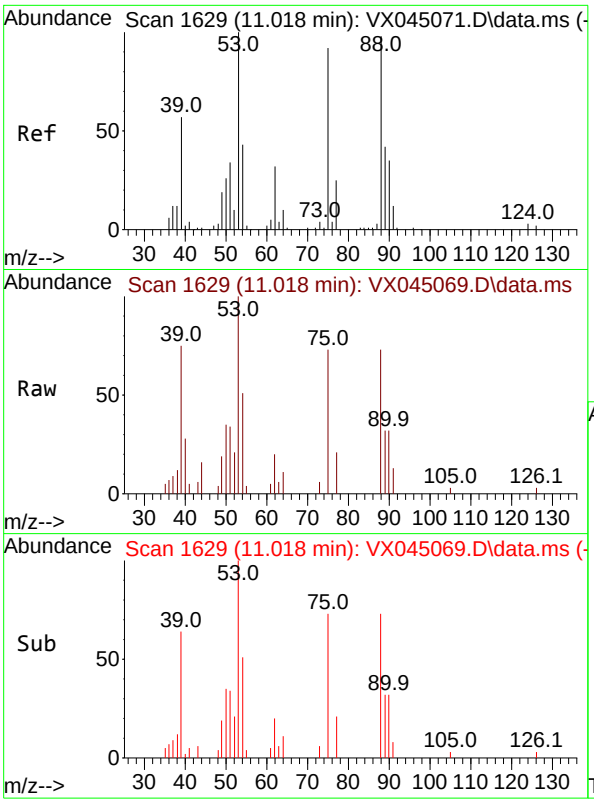


#80
1,3,5-Trimethylbenzene
Concen: 4.897 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

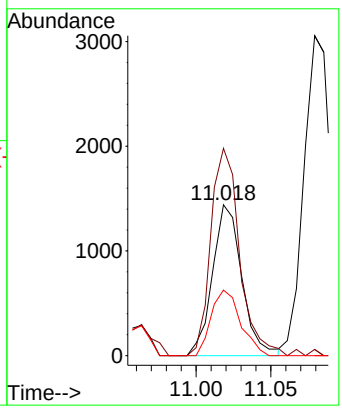
Tgt Ion: 75 Resp: 197

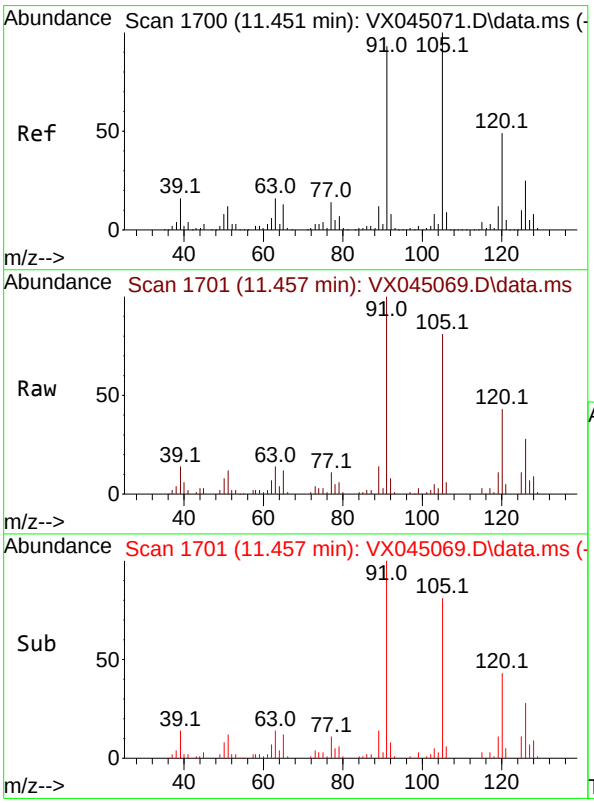
Ion	Ratio	Lower	Upper
75	100		
53	134.1	88.5	132.7#
89	43.4	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

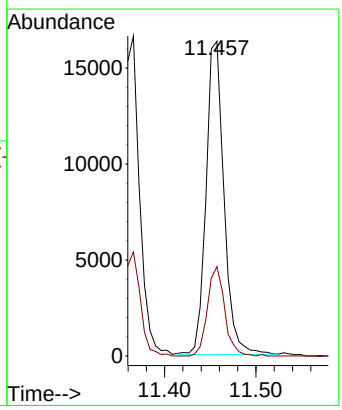


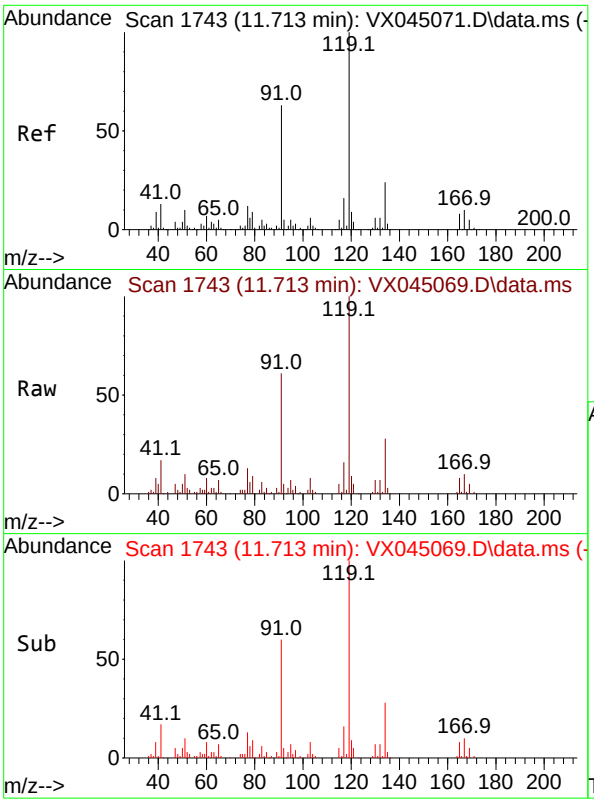


#82
4-Chlorotoluene
Concen: 4.761 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 22190

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4

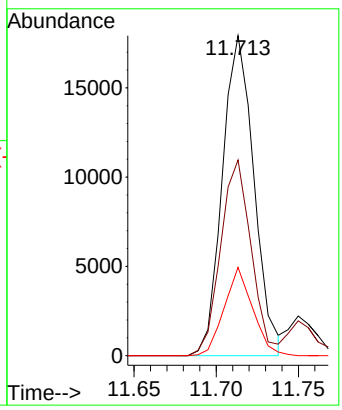




#83
tert-Butylbenzene
Concen: 4.910 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:119 Resp: 2396

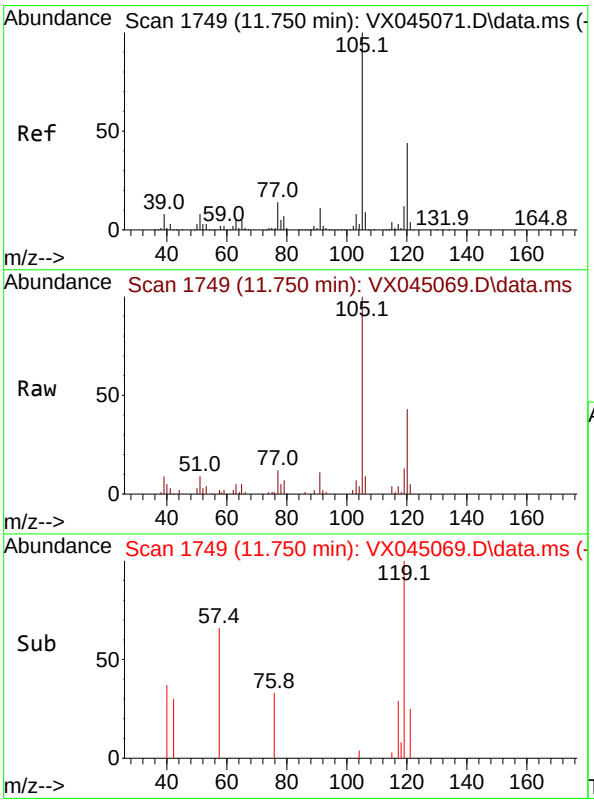
Ion	Ratio	Lower	Upper
119	100		
91	59.5	30.7	92.1
134	24.9	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

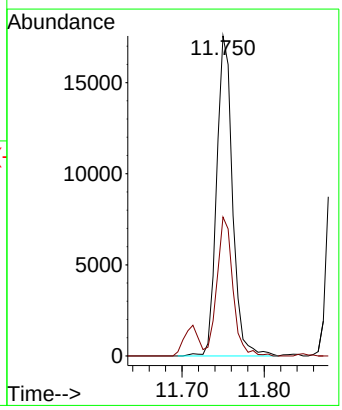
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

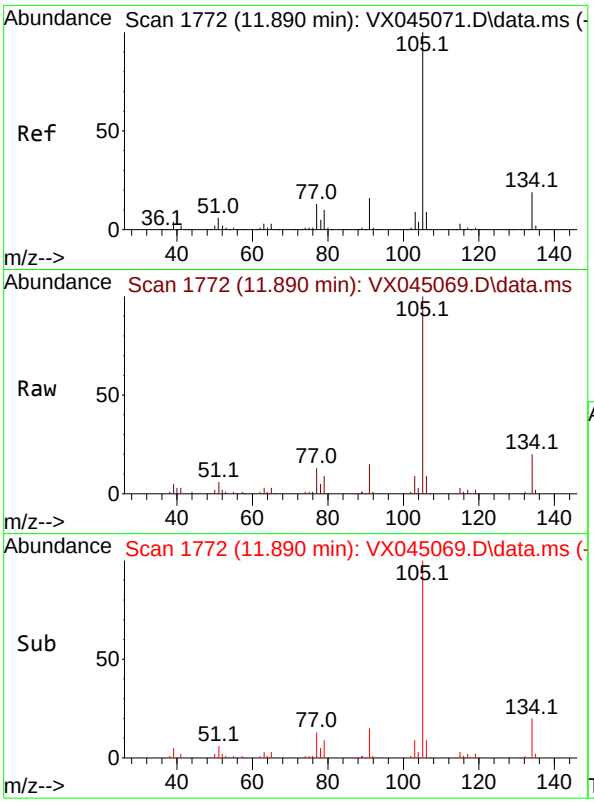


#84
1,2,4-Trimethylbenzene
Concen: 4.960 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

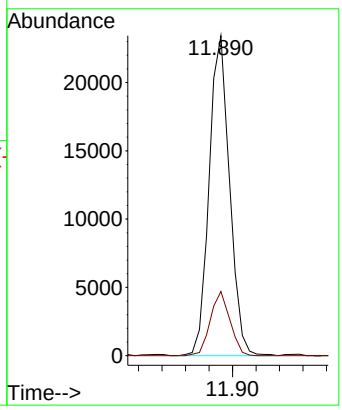
Tgt Ion:105 Resp: 2831

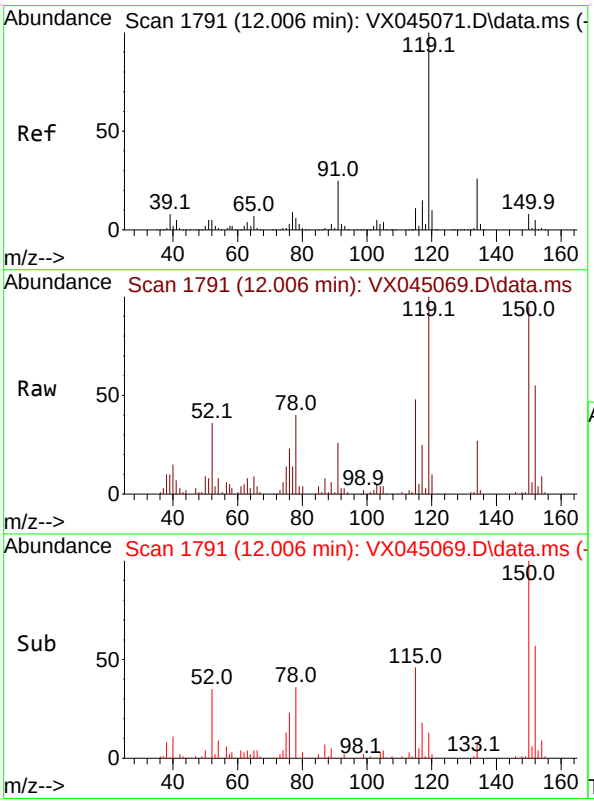
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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

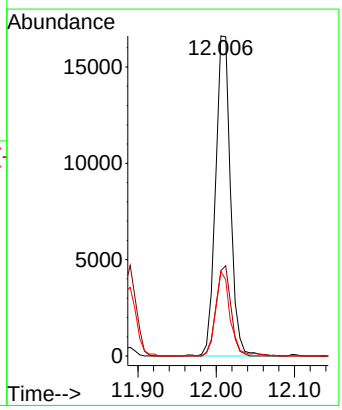


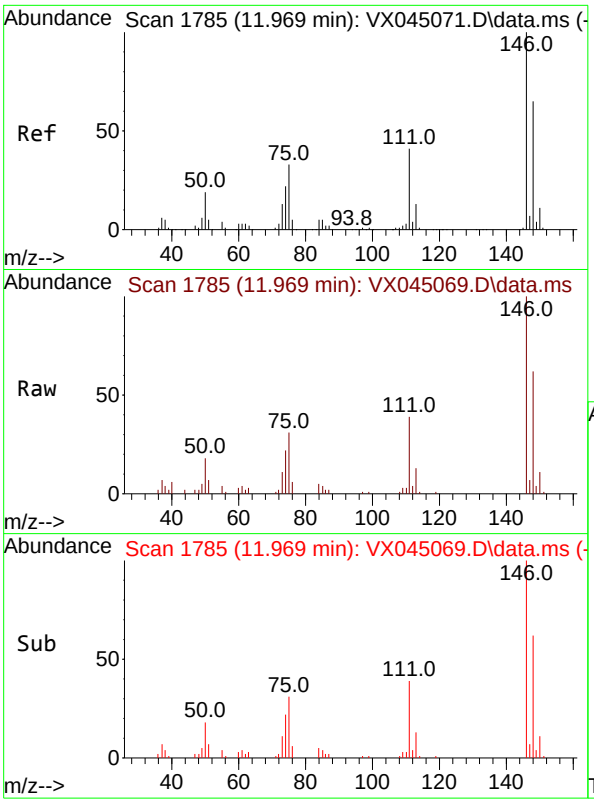


#86
p-Isopropyltoluene
Concen: 4.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

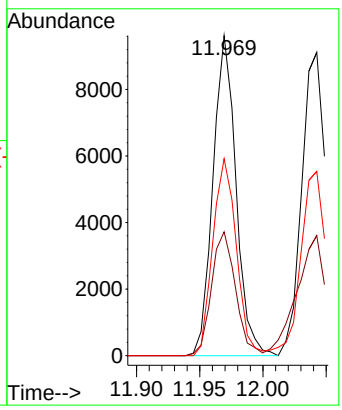




#87
1,3-Dichlorobenzene
Concen: 4.926 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 1215

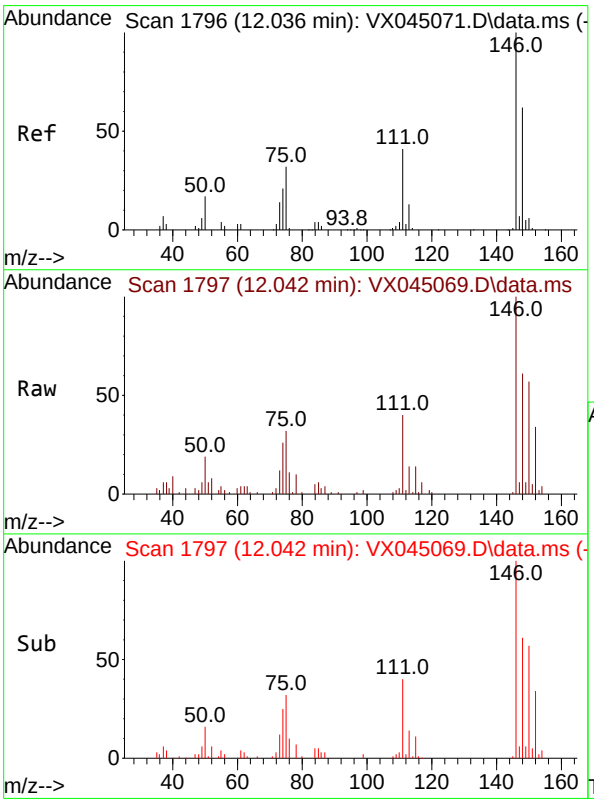
Ion	Ratio	Lower	Upper
146	100		
111	40.5	21.1	63.4
148	62.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

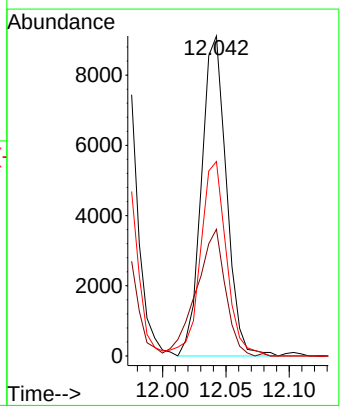
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

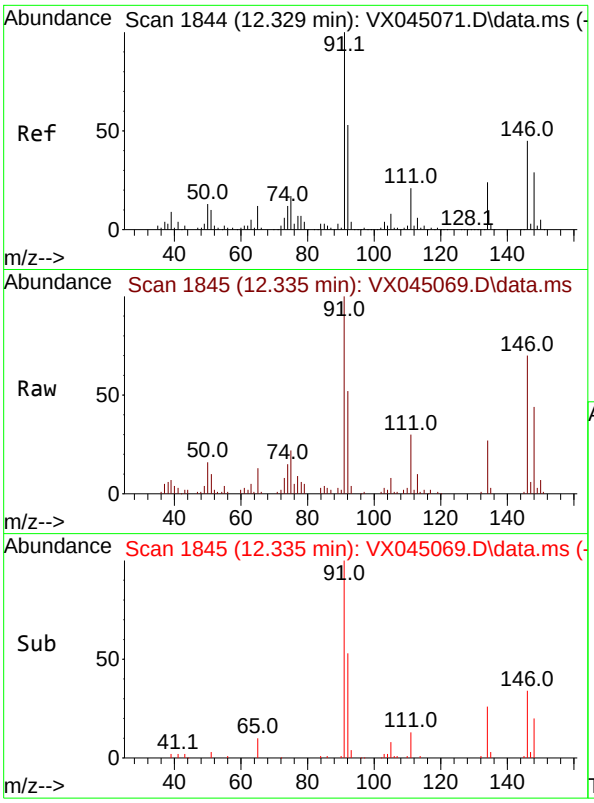


#88
1,4-Dichlorobenzene
Concen: 5.014 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

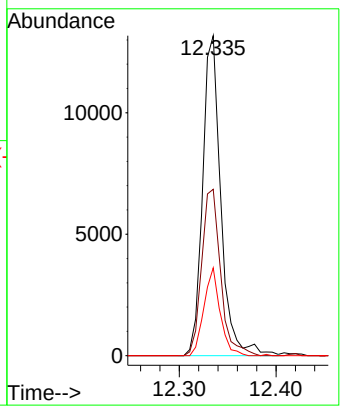




#89
n-Butylbenzene
Concen: 4.072 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 1735

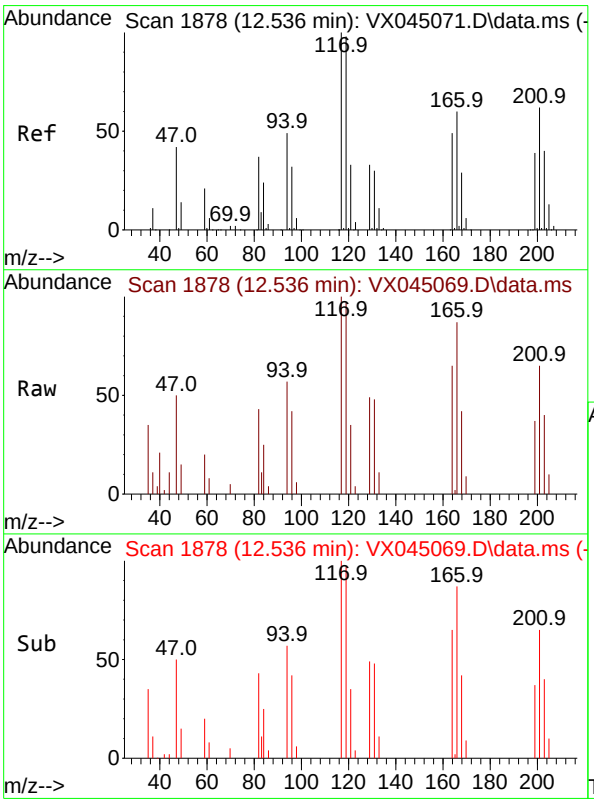
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	24.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

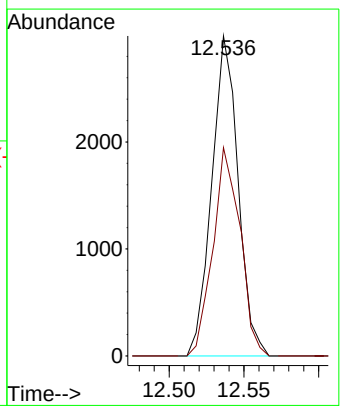
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

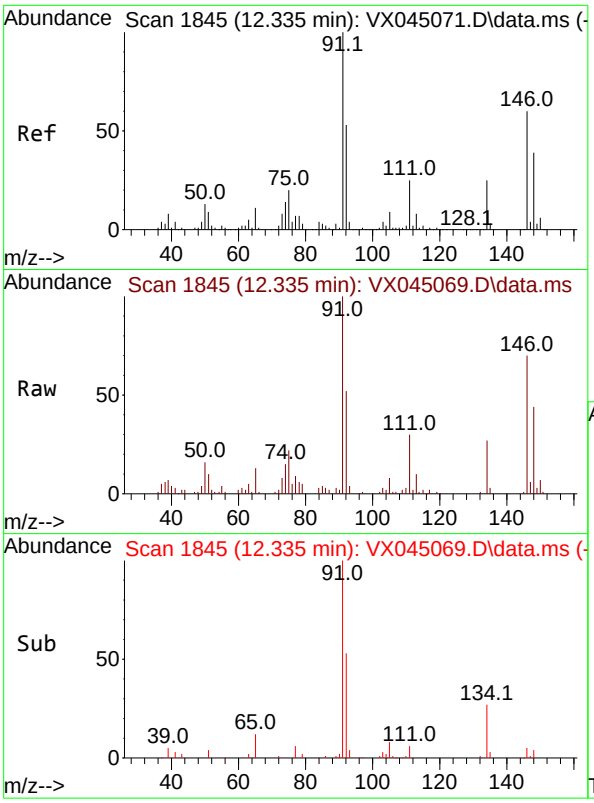


#90
Hexachloroethane
Concen: 4.052 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 3665

Ion	Ratio	Lower	Upper
117	100		
201	67.1	31.9	95.9

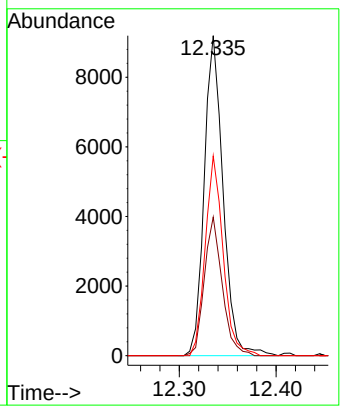




#91
1,2-Dichlorobenzene
Concen: 5.138 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:146 Resp: 1247

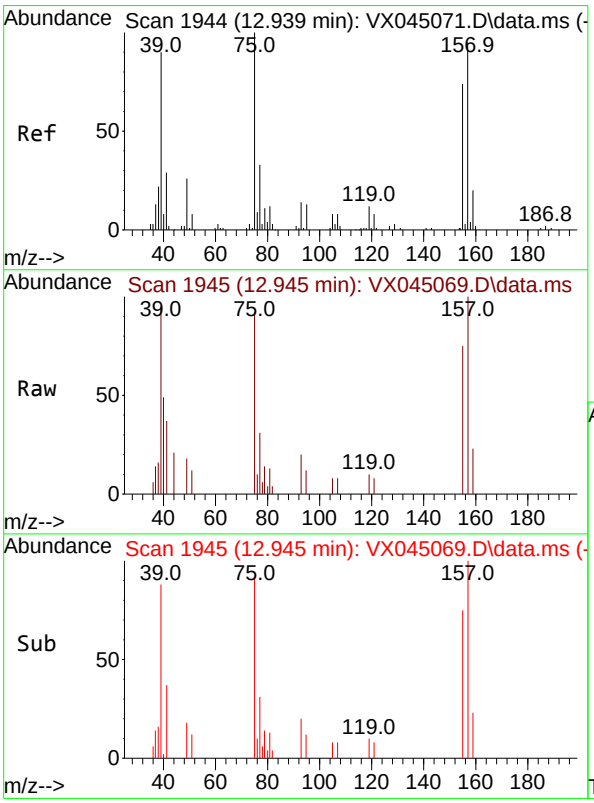
Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.6	65.0
148	59.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

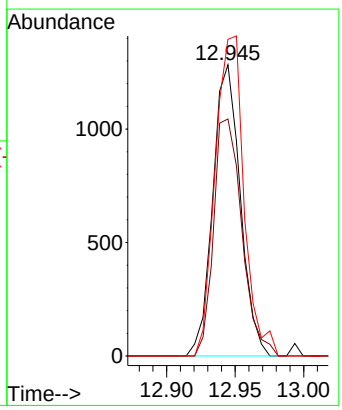
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

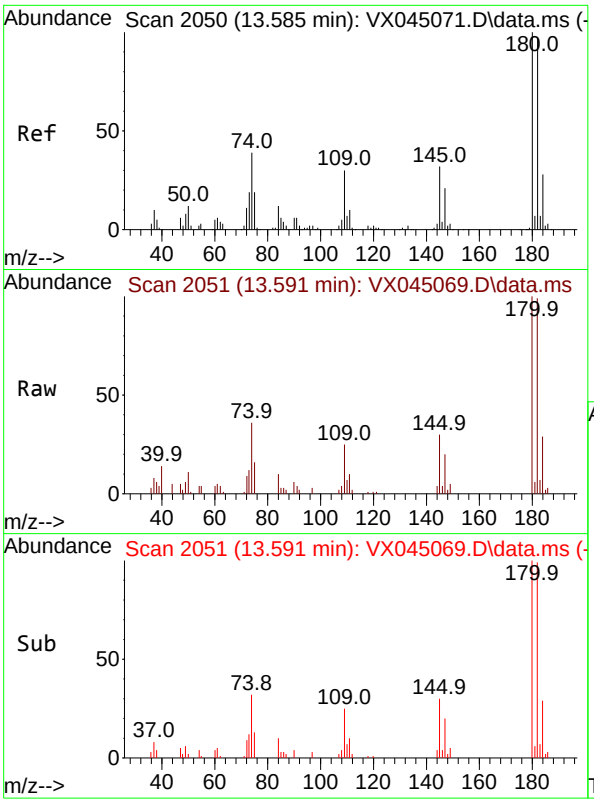


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.712 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

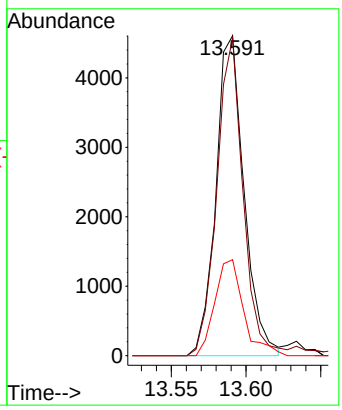




#93
1,2,4-Trichlorobenzene
Concen: 4.114 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:180 Resp: 604

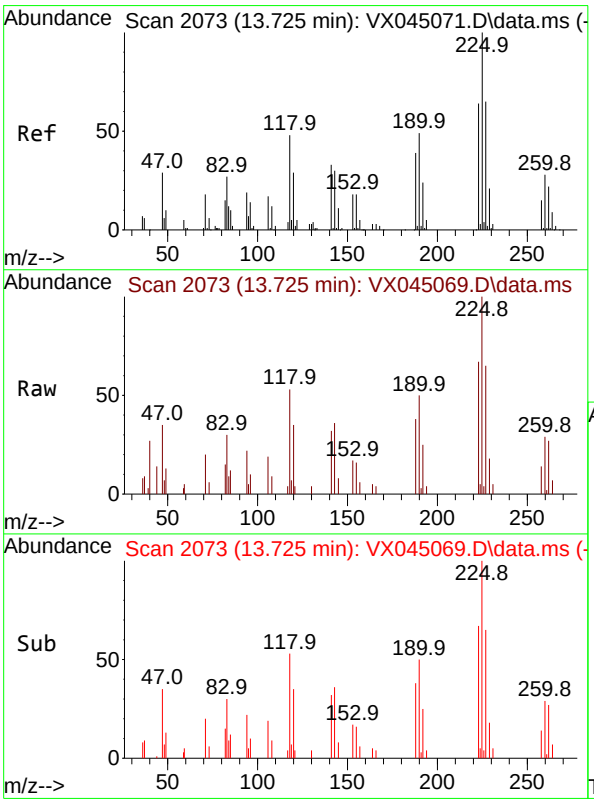
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	30.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

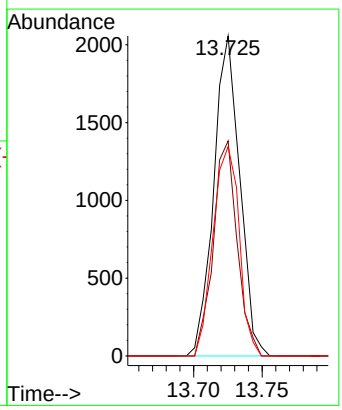
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

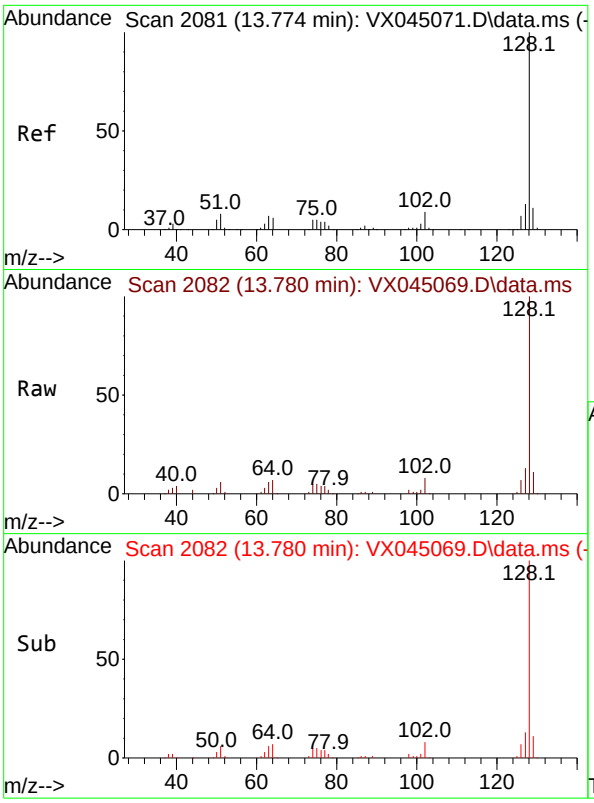


#94
Hexachlorobutadiene
Concen: 4.640 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

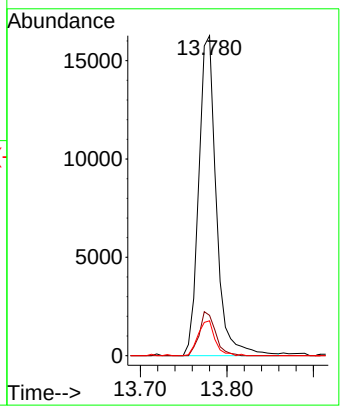




#95
Naphthalene
Concen: 4.287 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:128 Resp: 2292

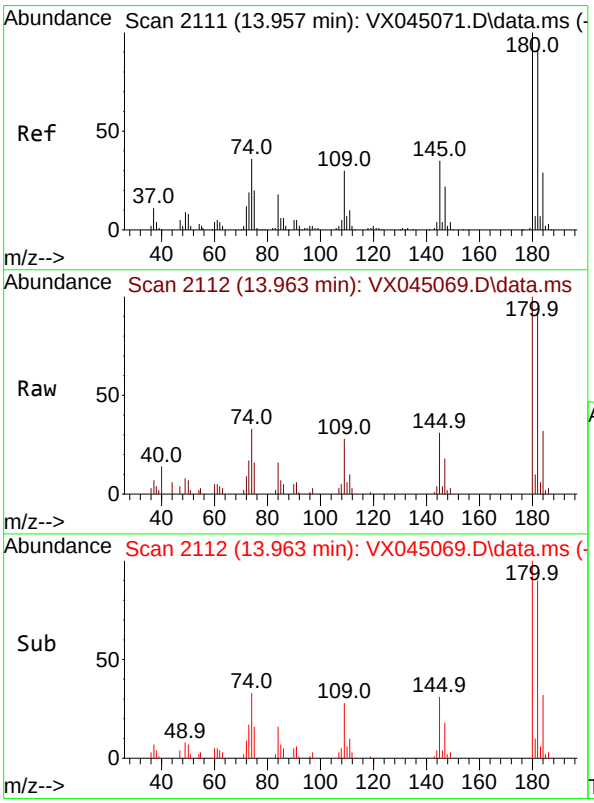
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.6	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

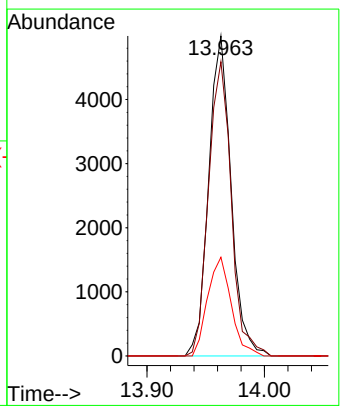
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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



Quantitation Report (QT Reviewed)

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

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)
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

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

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

ICAL Form

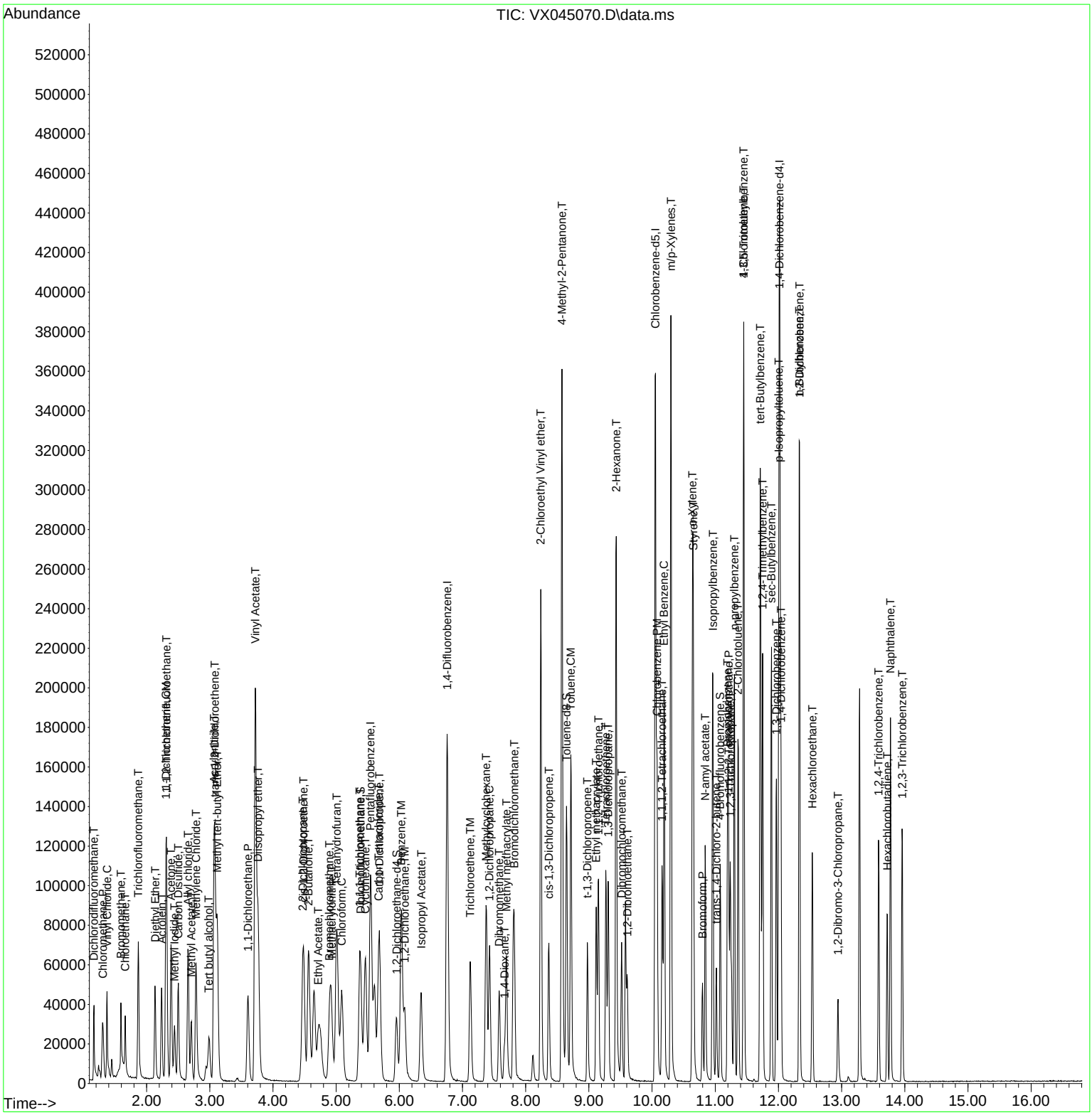
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Data File : VX045070.D
Acq On : 28 Feb 2025 02:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

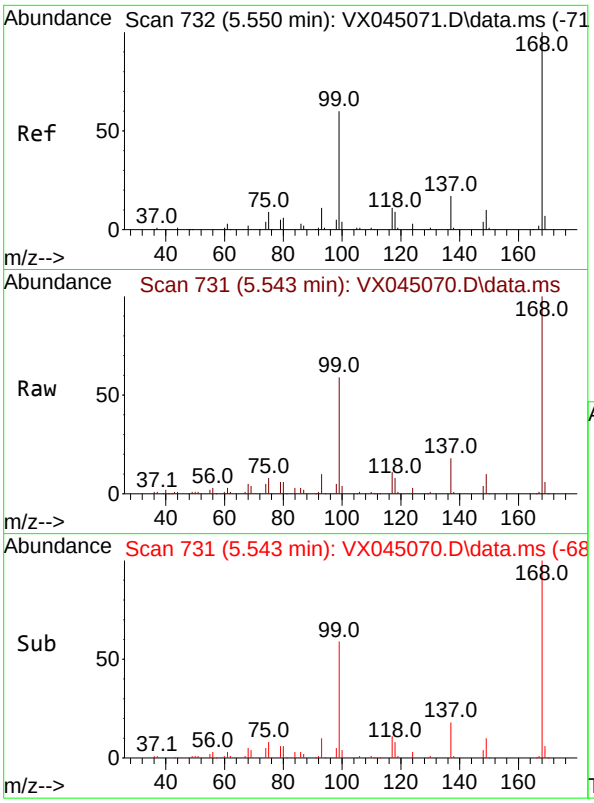
Quant Time: Feb 28 05:33:34 2025
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

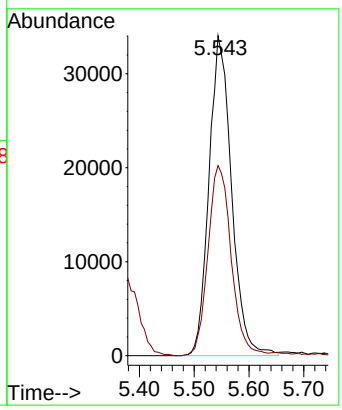




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:168 Resp: 9733

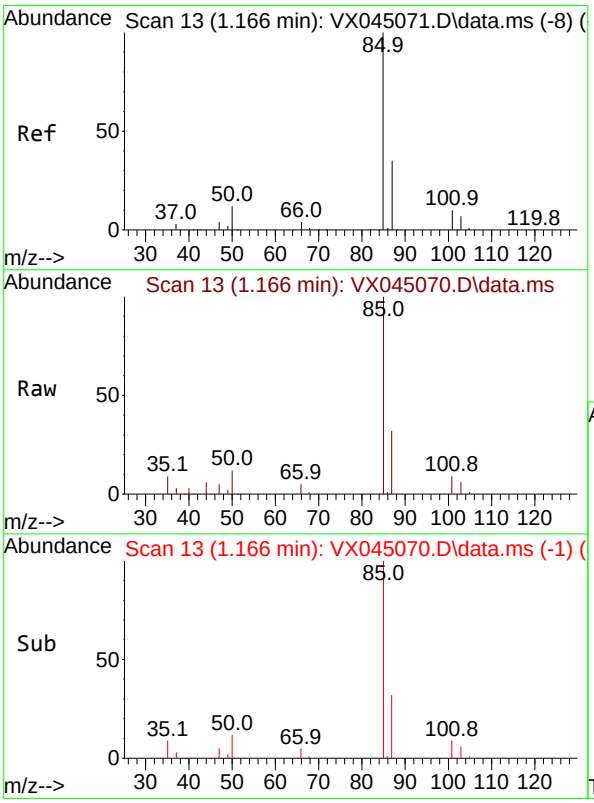
Ion	Ratio	Lower	Upper
168	100		
99	59.4	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

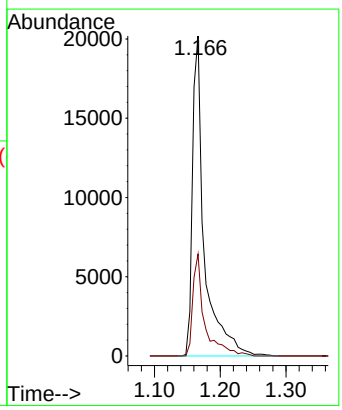
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

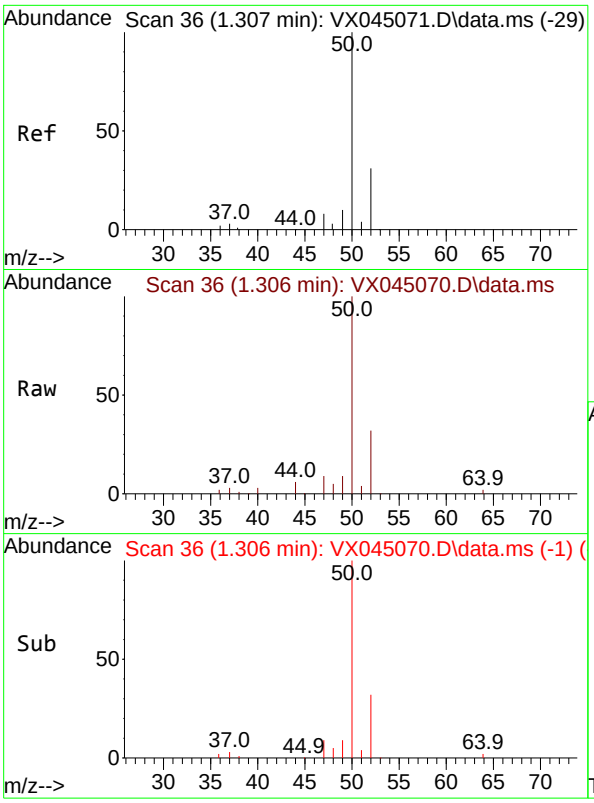


#2
Dichlorodifluoromethane
Concen: 18.750 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 85 Resp: 25155

Ion	Ratio	Lower	Upper
85	100		
87	31.9	17.4	52.3

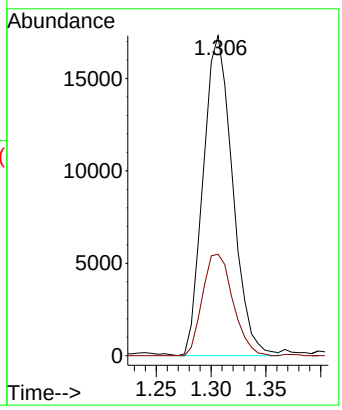




#3
Chloromethane
Concen: 19.736 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 50 Resp: 3221

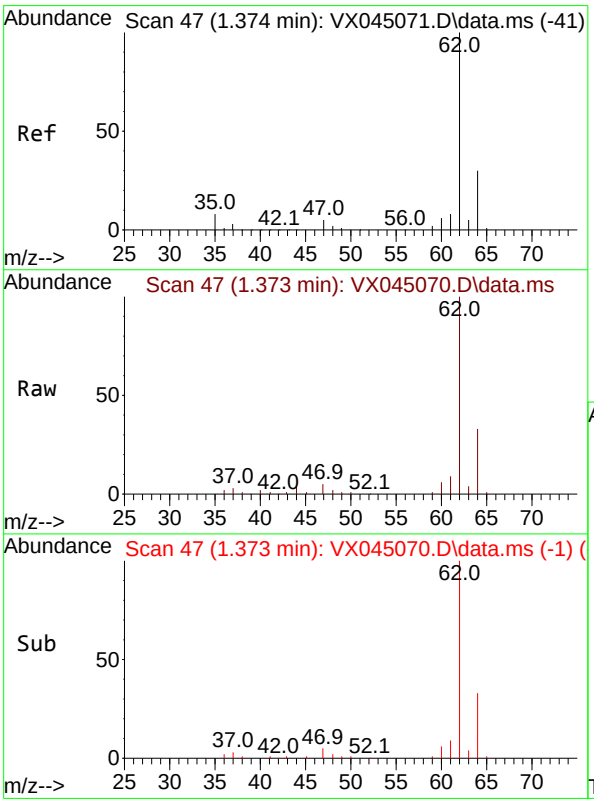
Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

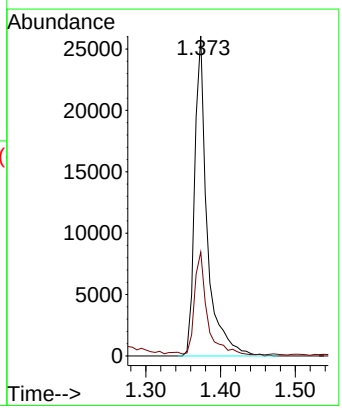
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

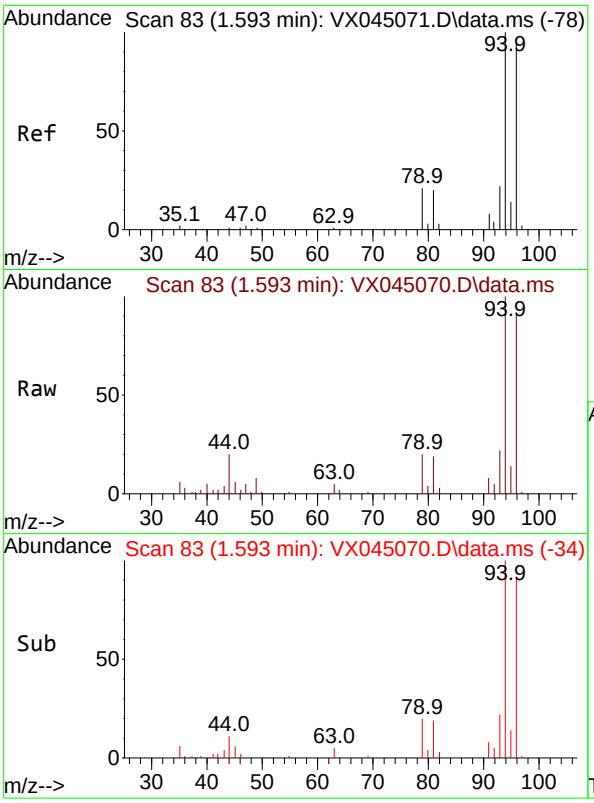


#4
Vinyl Chloride
Concen: 18.899 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 30134

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5

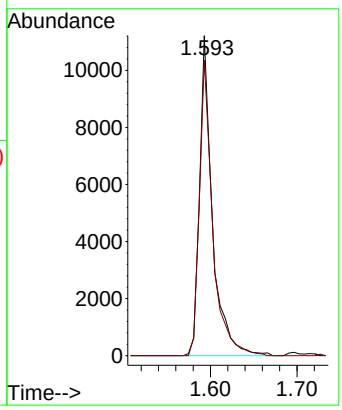




#5
Bromomethane
Concen: 23.239 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 94 Resp: 1158

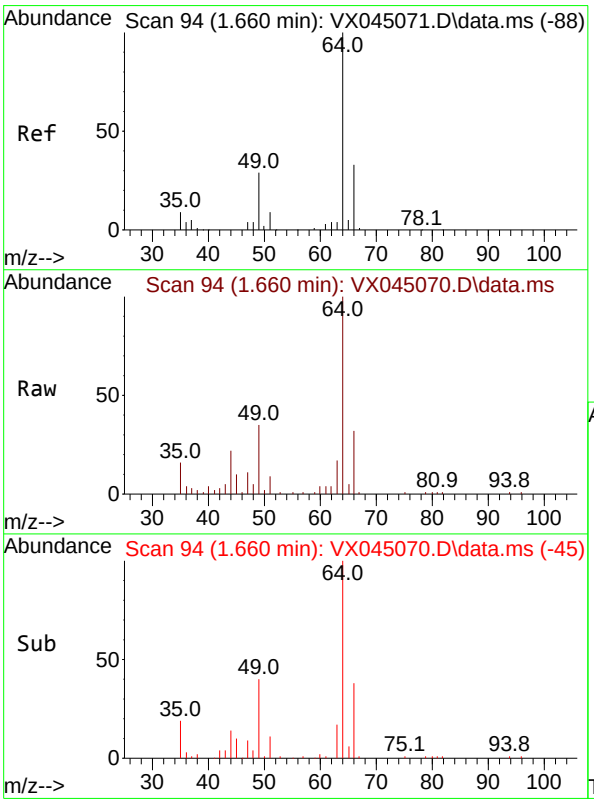
Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

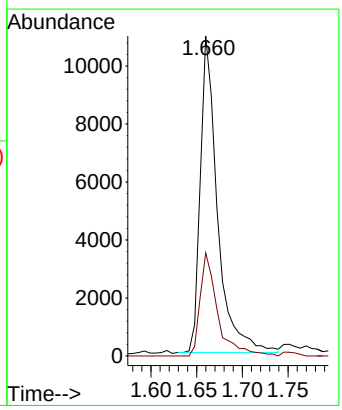
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

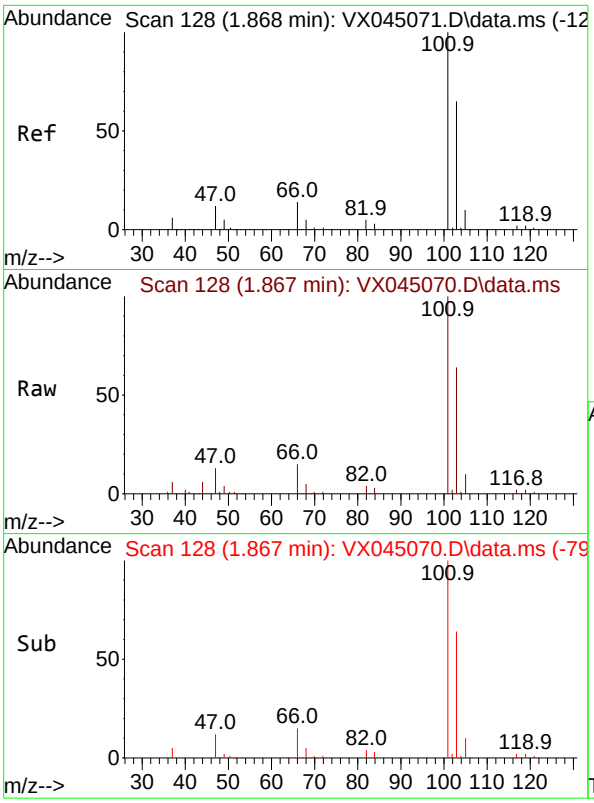


#6
Chloroethane
Concen: 23.457 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

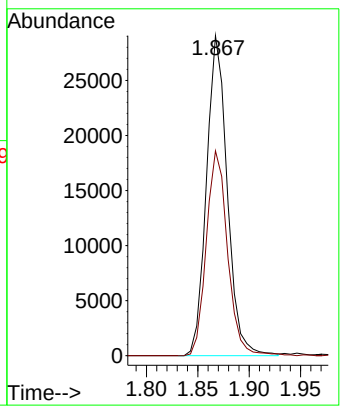
Tgt Ion:101 Resp: 4088

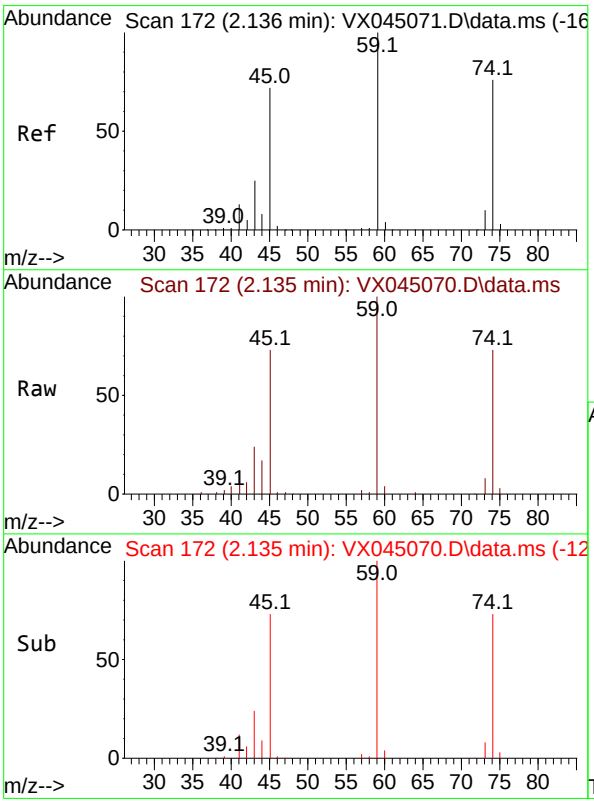
Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

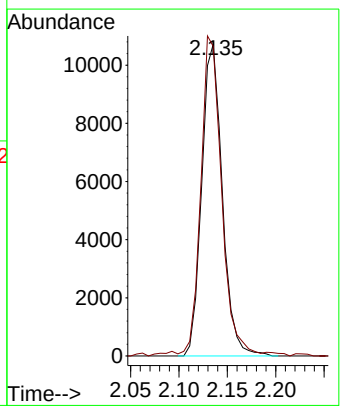


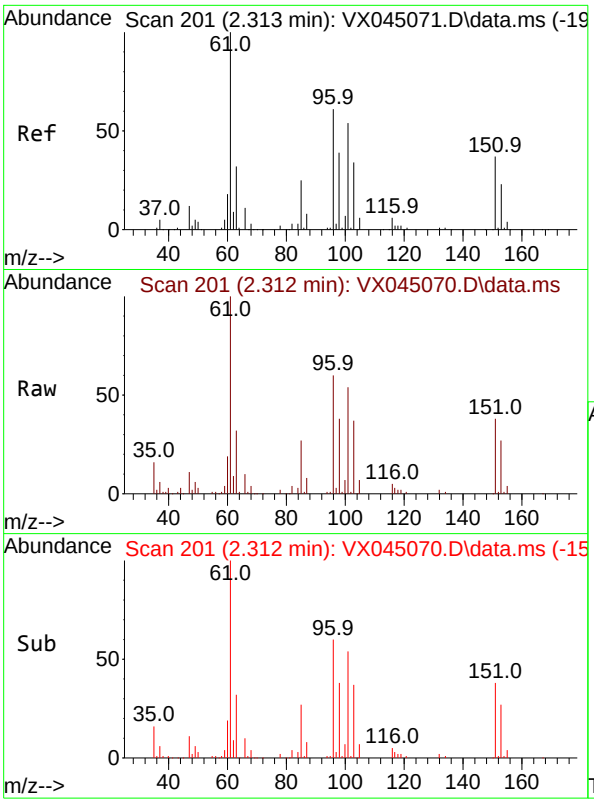


#8
Diethyl Ether
Concen: 21.437 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

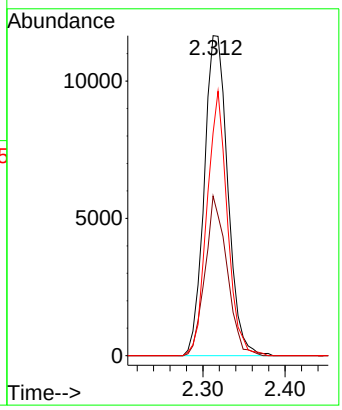
Tgt Ion:101 Resp: 2315

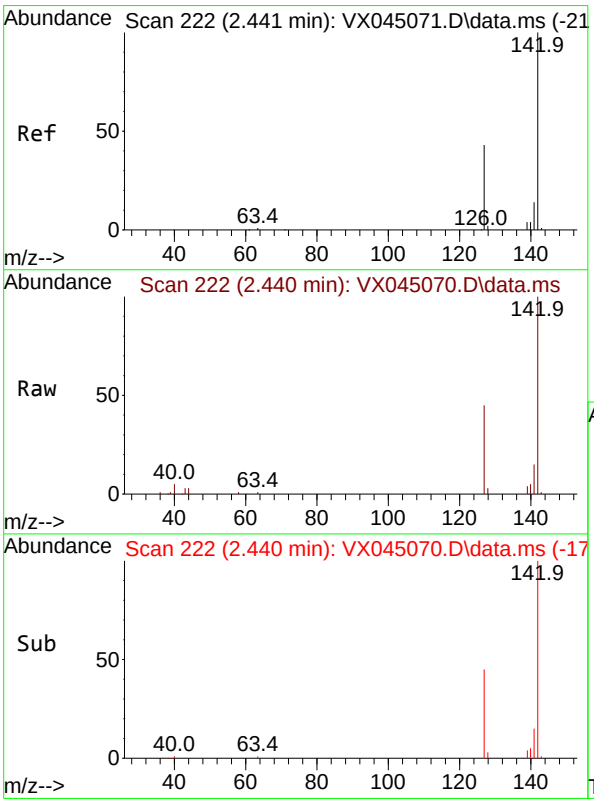
Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	71.8	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

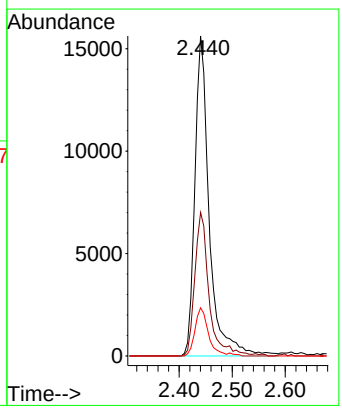


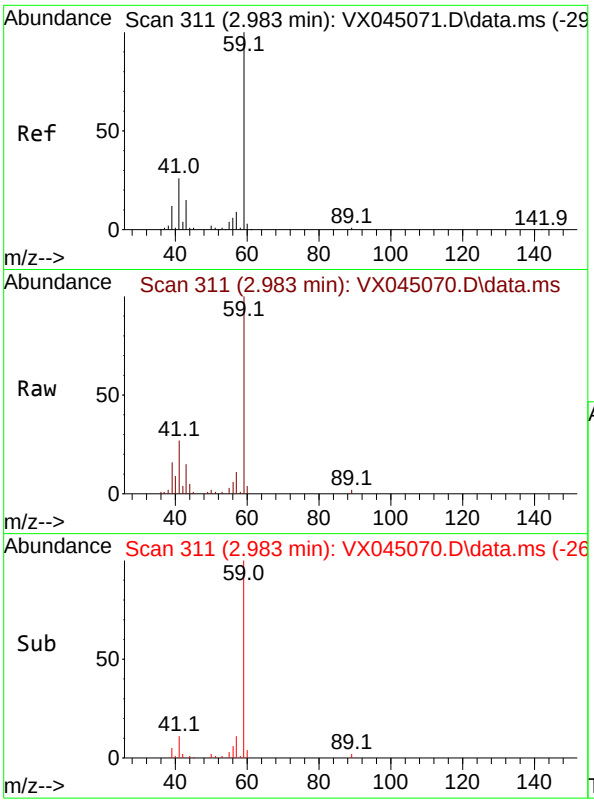


#10
Methyl Iodide
Concen: 18.867 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

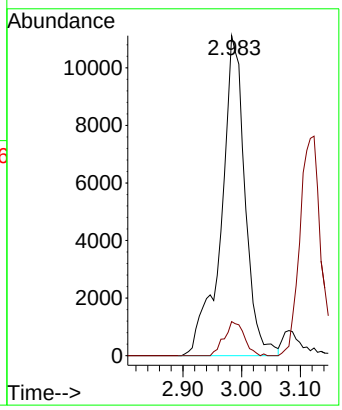




#11
Tert butyl alcohol
Concen: 118.627 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 59 Resp: 3124

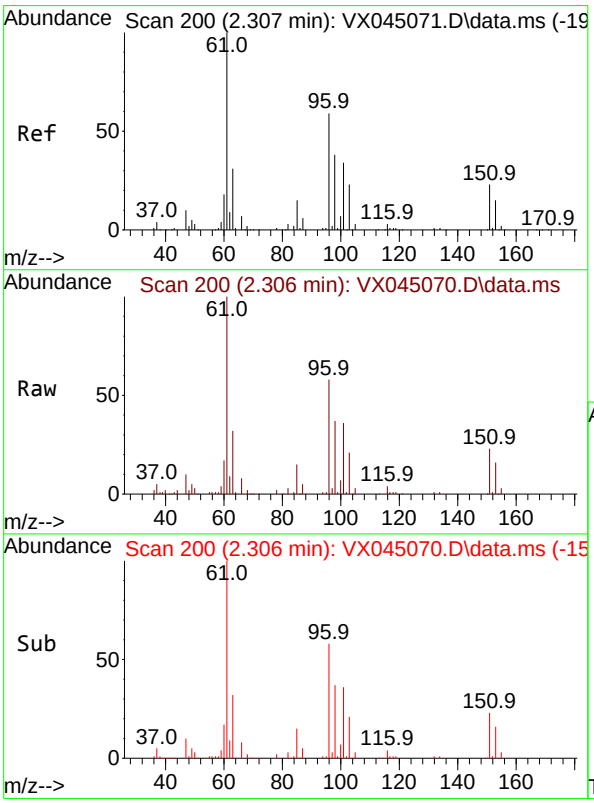
Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

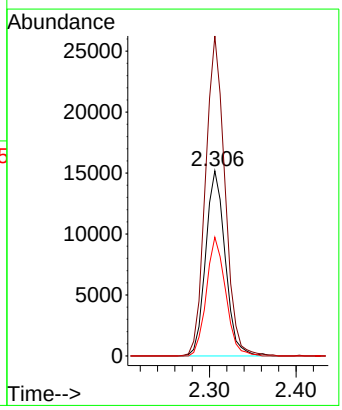
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

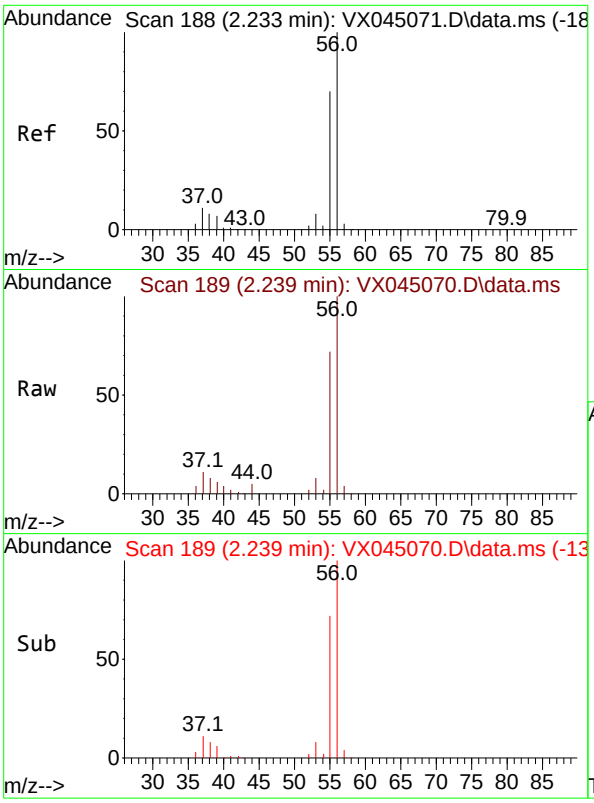


#12
1,1-Dichloroethene
Concen: 19.014 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

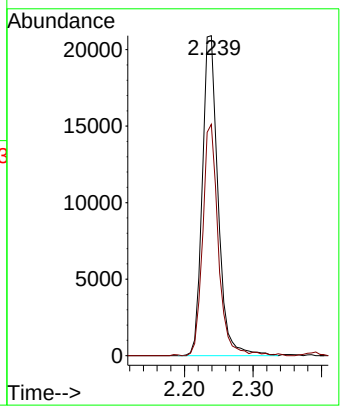




#13
Acrolein
Concen: 117.747 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 56 Resp: 3358

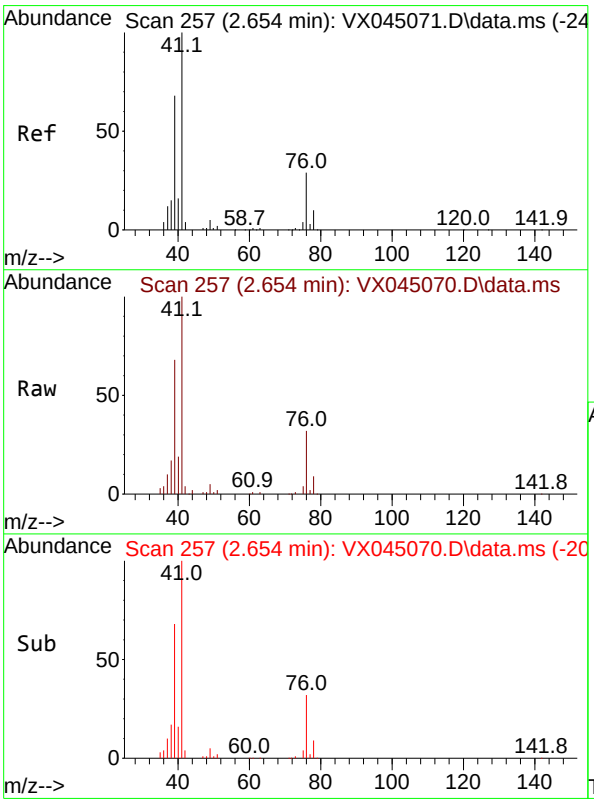
Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

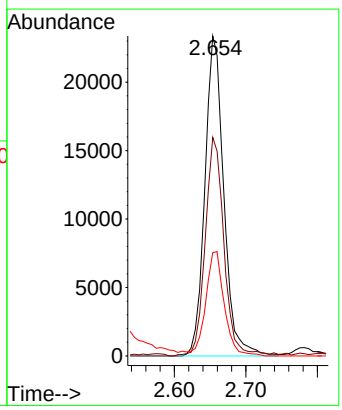
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

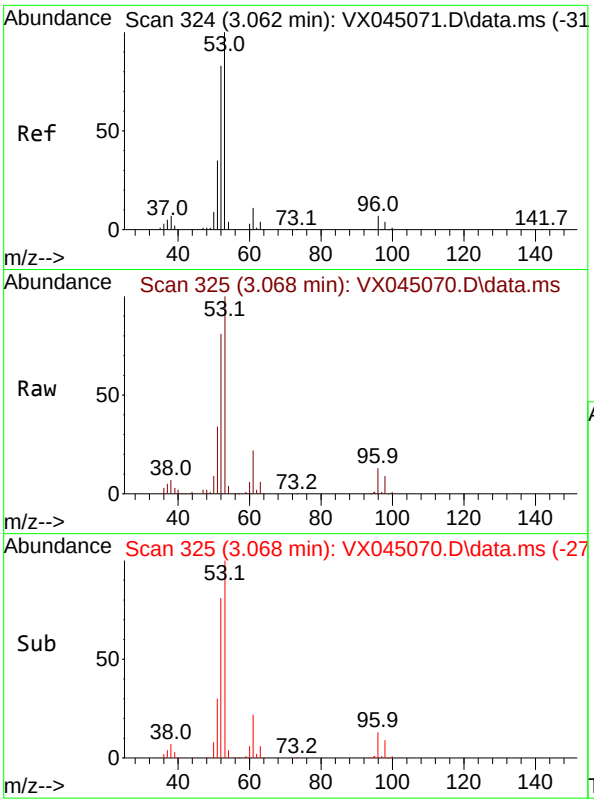


#14
Allyl chloride
Concen: 19.096 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

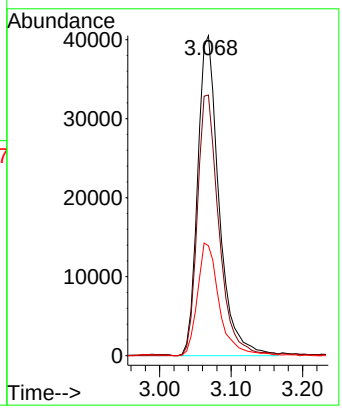




#15
Acrylonitrile
Concen: 117.598 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 53 Resp: 8418

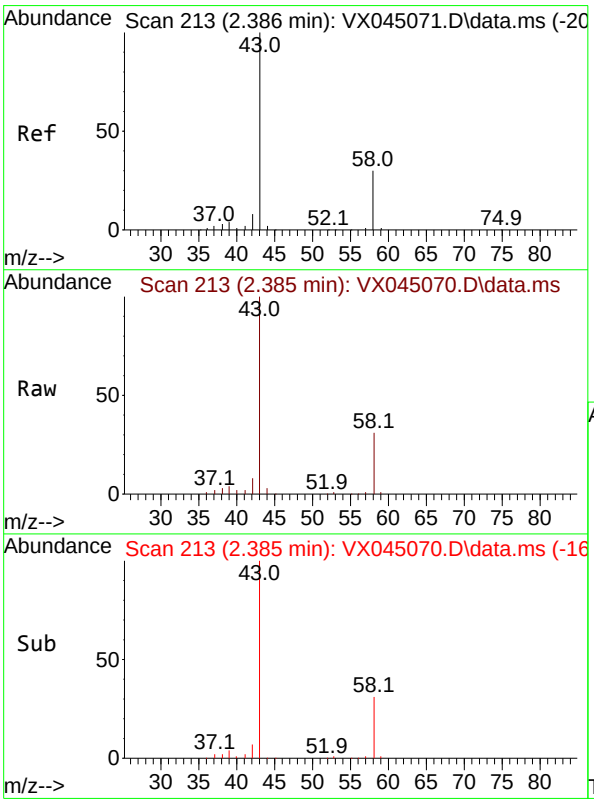
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

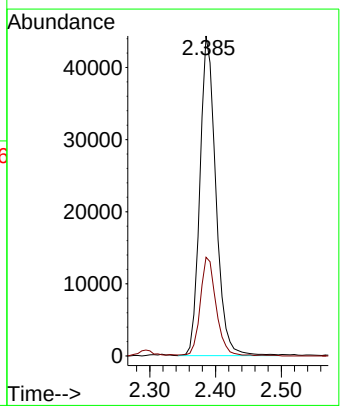
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

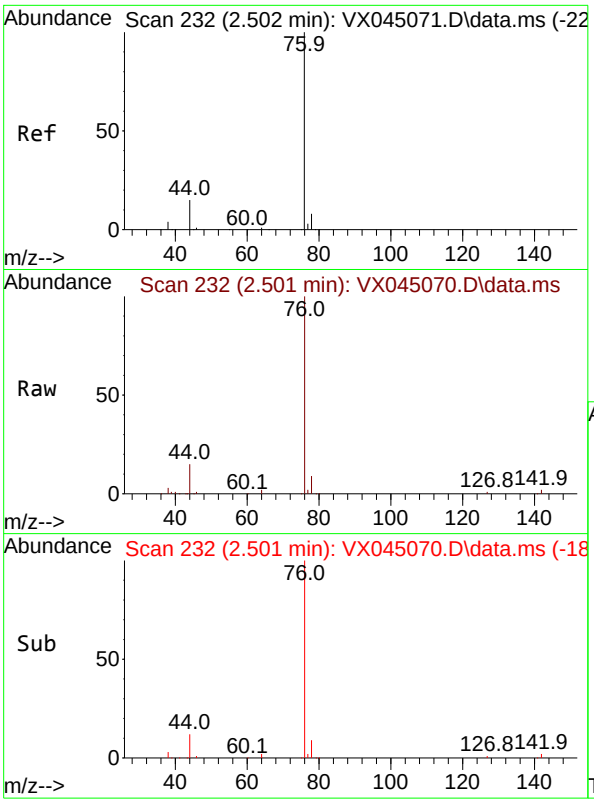


#16
Acetone
Concen: 126.257 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

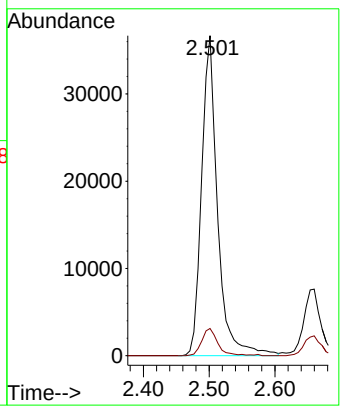
Tgt Ion: 76 Resp: 6180

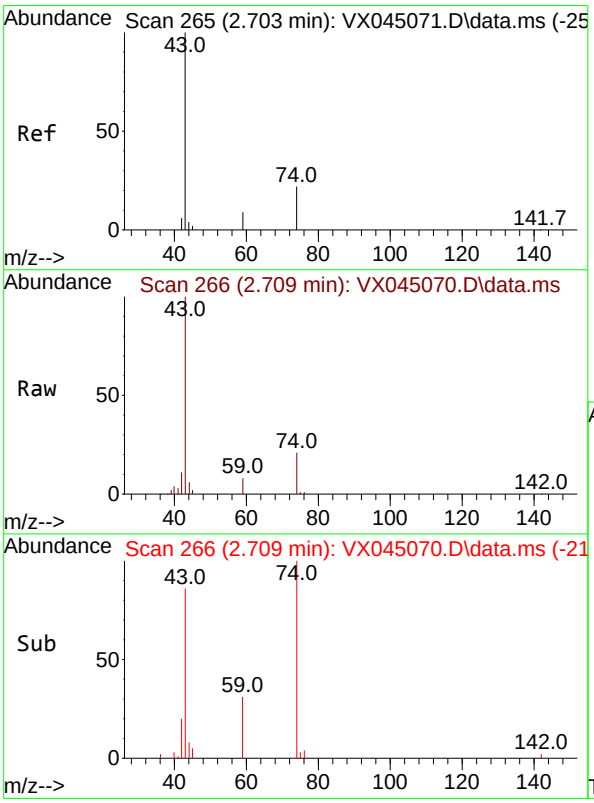
Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

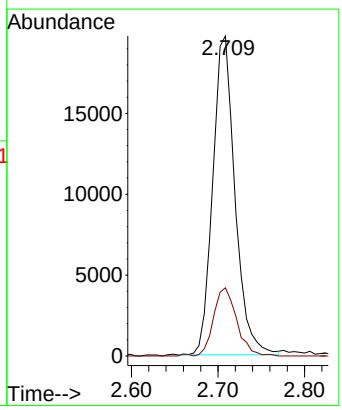


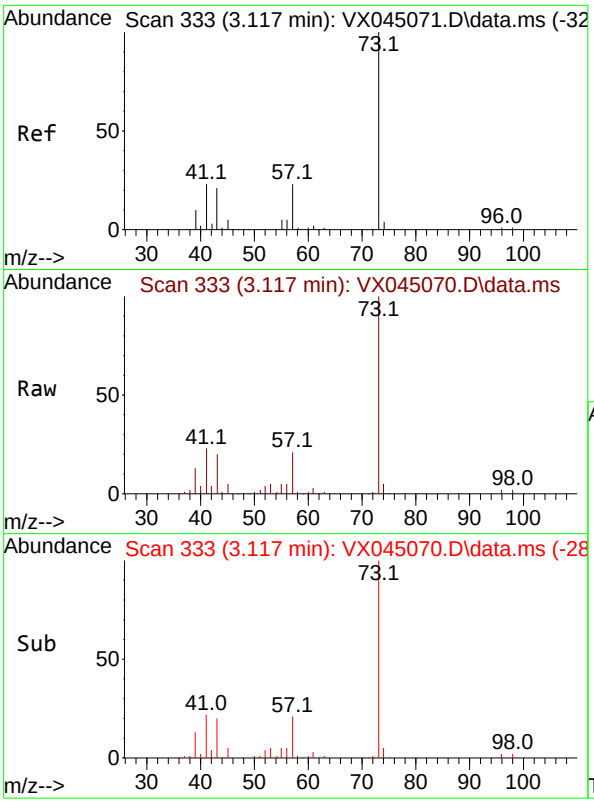


#18
Methyl Acetate
Concen: 19.729 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 35157

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2

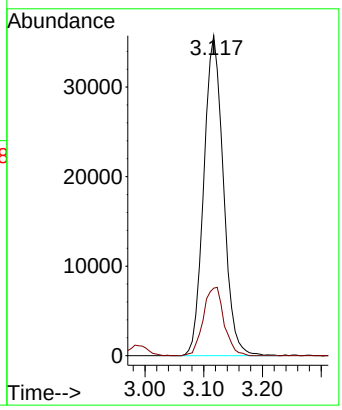




#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 73 Resp: 8283

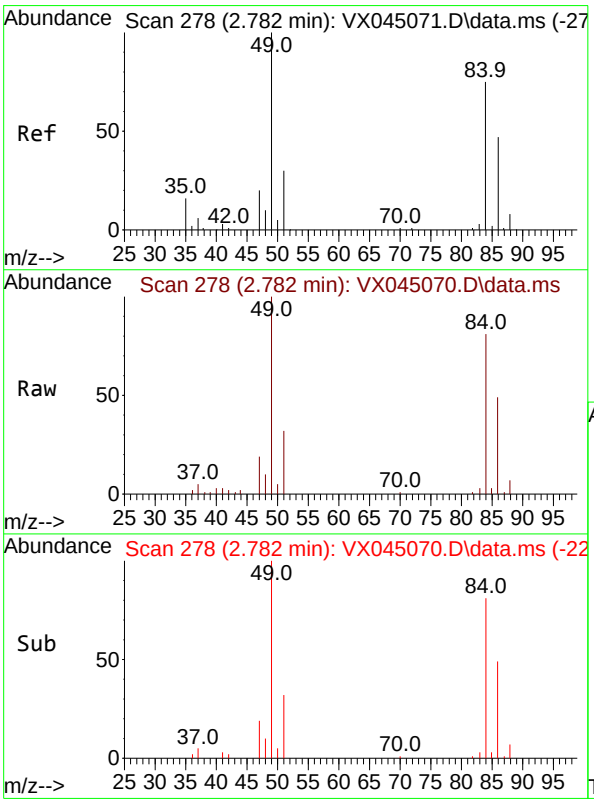
Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

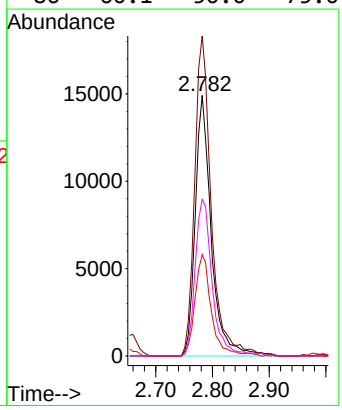
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

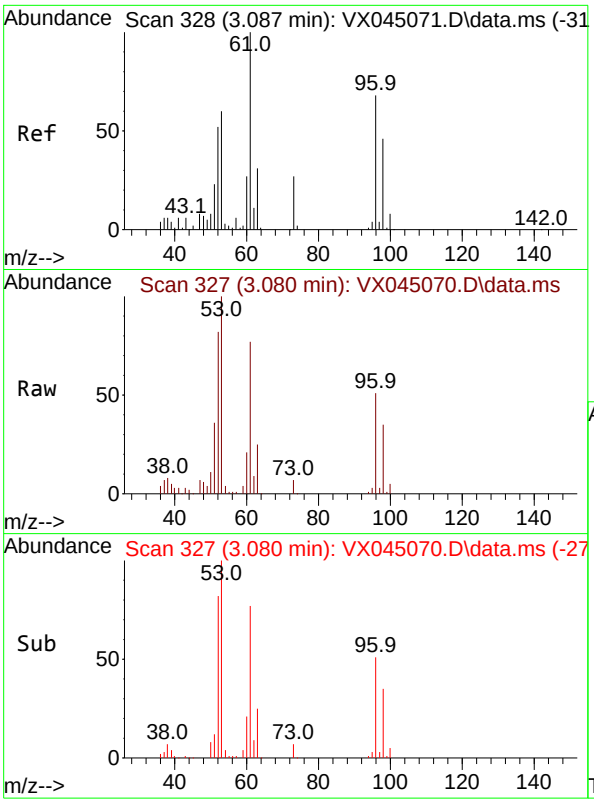


#20
Methylene Chloride
Concen: 20.895 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

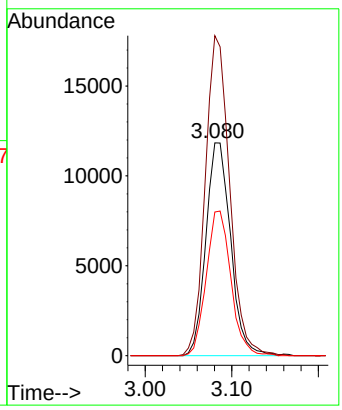




#21
trans-1,2-Dichloroethene
Concen: 19.057 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 96 Resp: 2347

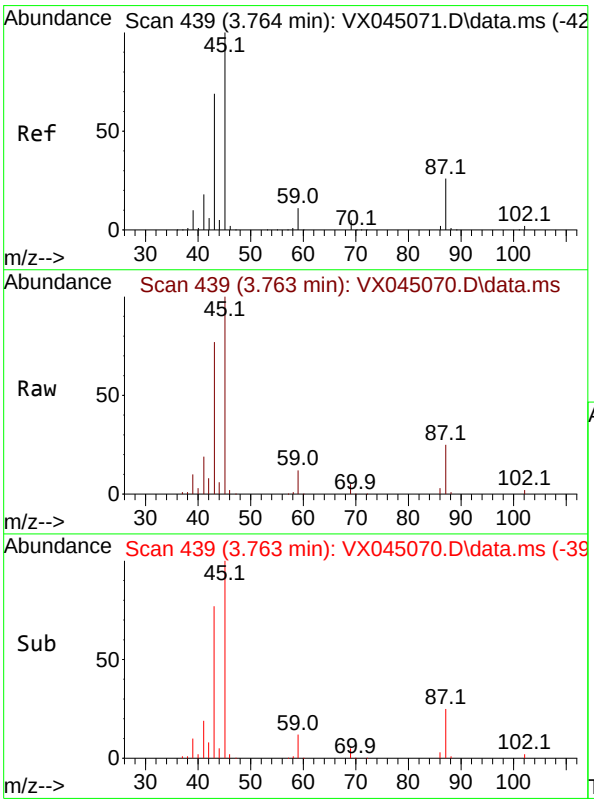
Ion	Ratio	Lower	Upper
96	100		
61	150.3	117.0	175.4
98	67.5	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

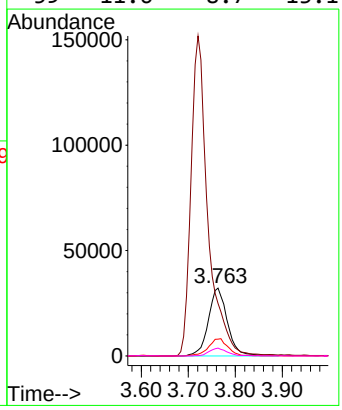
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

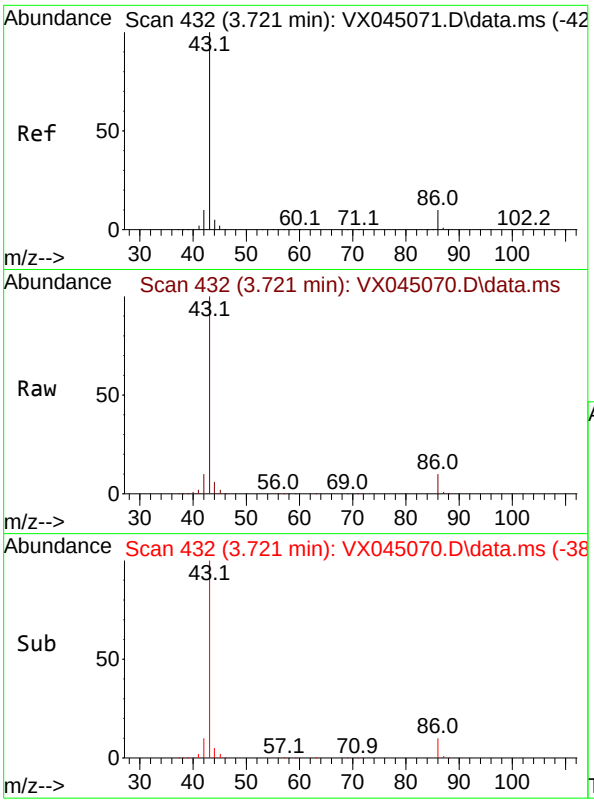


#22
Diisopropyl ether
Concen: 20.995 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

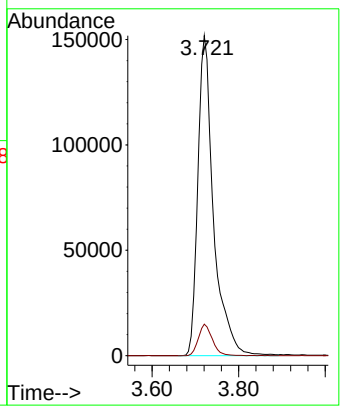
Tgt Ion: 43 Resp: 38180

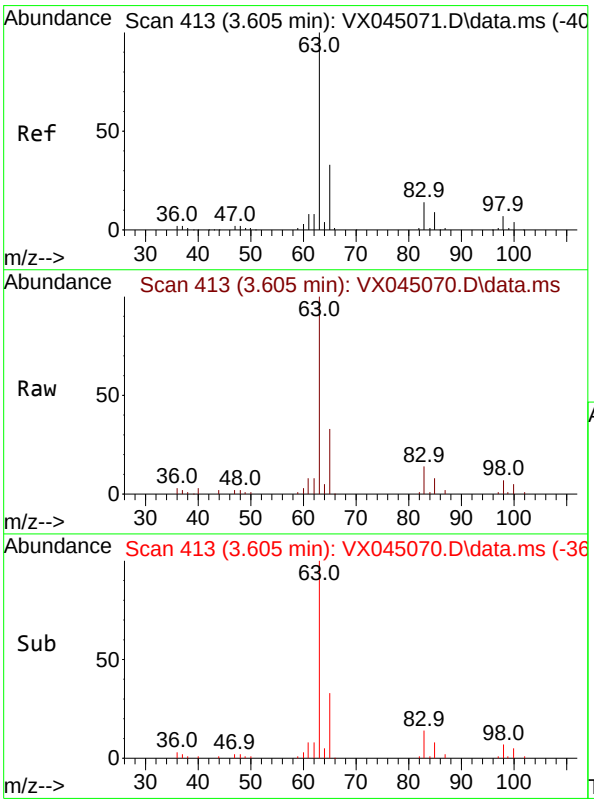
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

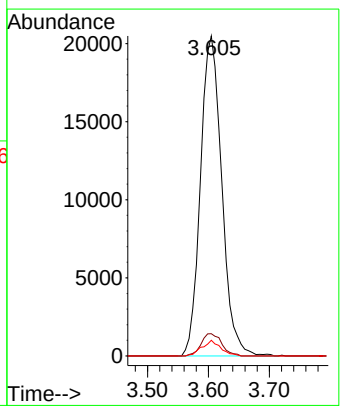


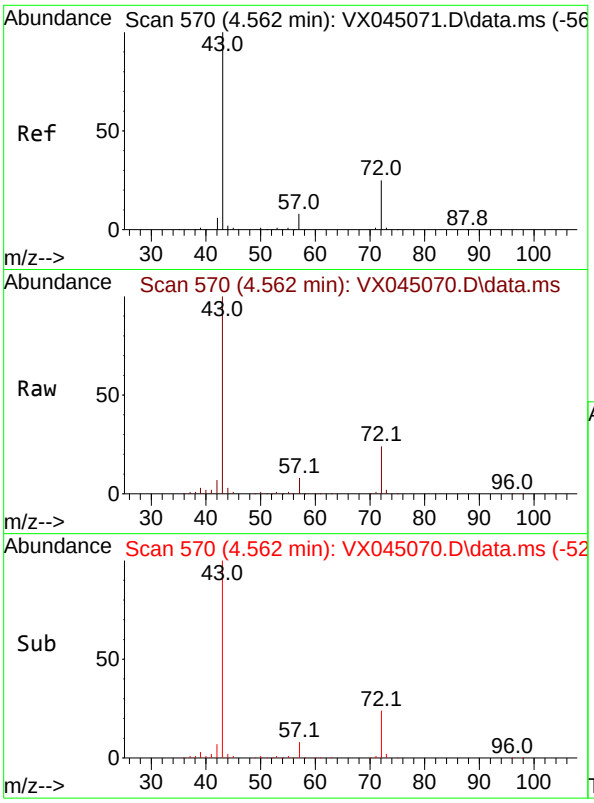


#24
1,1-Dichloroethane
Concen: 20.716 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

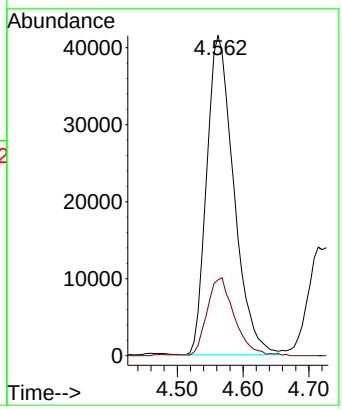
Tgt Ion: 43 Resp: 11871

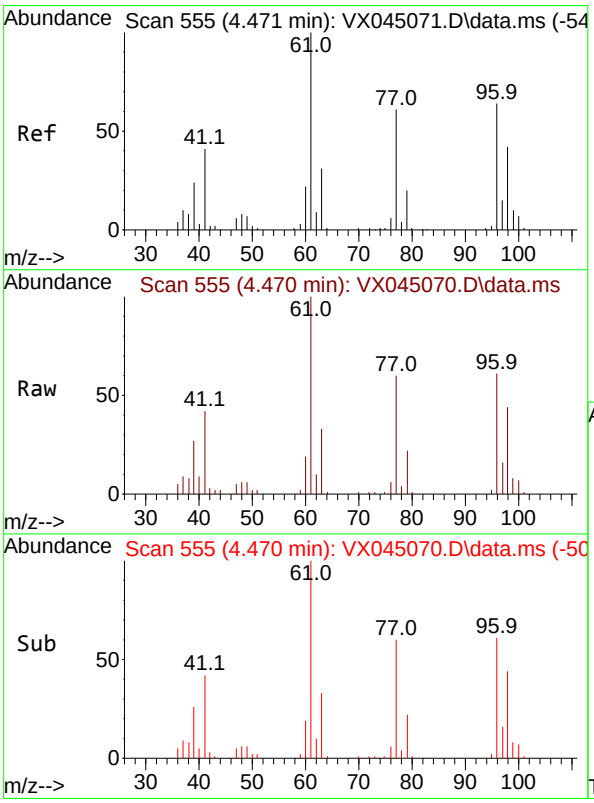
Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

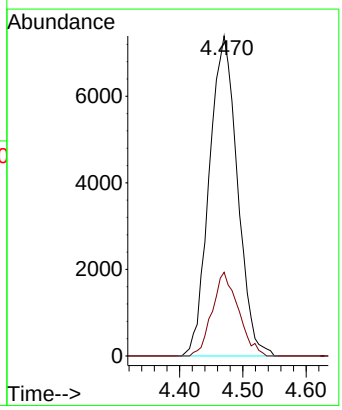


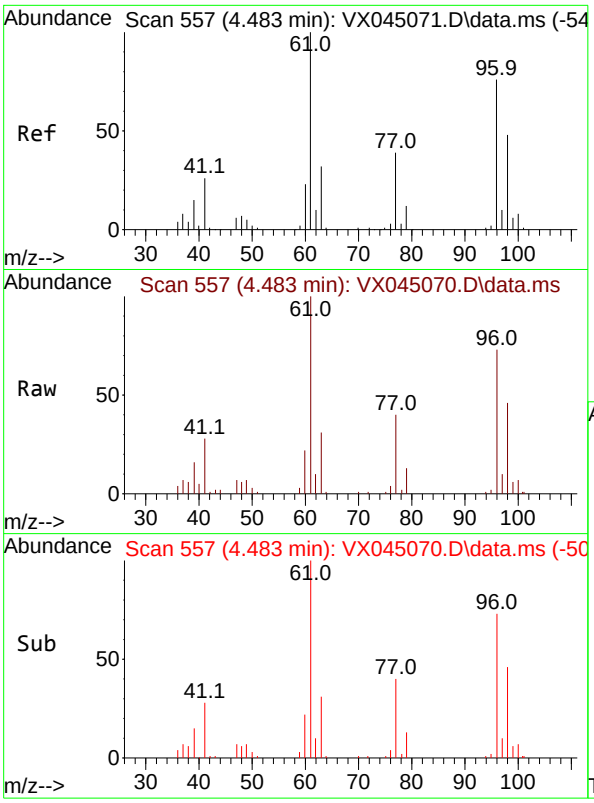


#26
2,2-Dichloropropane
Concen: 12.799 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

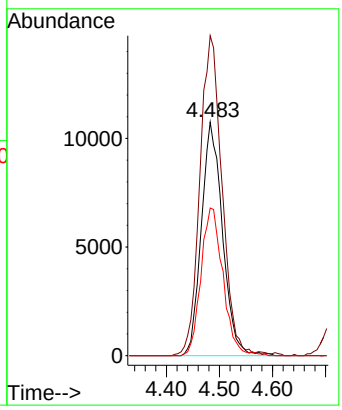
Tgt Ion: 96 Resp: 2978

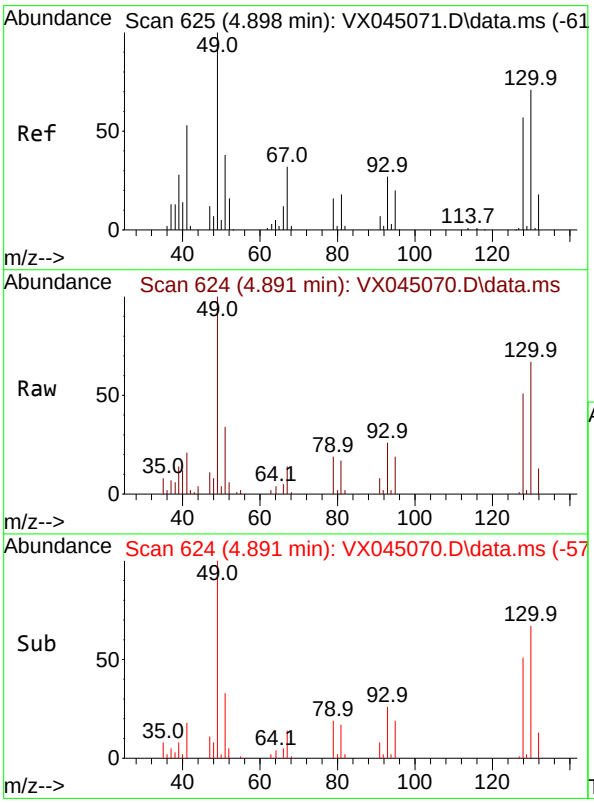
Ion	Ratio	Lower	Upper
96	100		
61	142.7	0.0	283.2
98	65.6	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

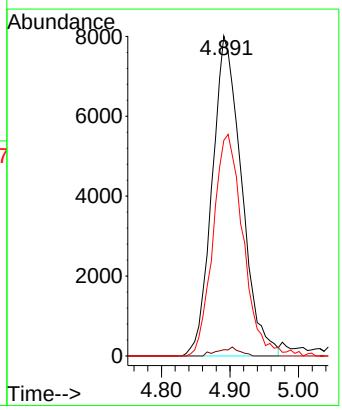


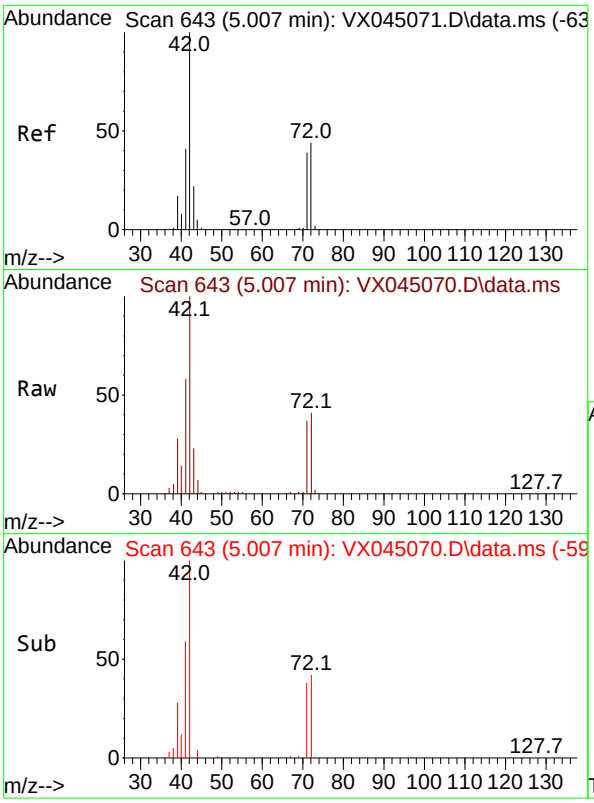


#28
Bromochloromethane
Concen: 20.579 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

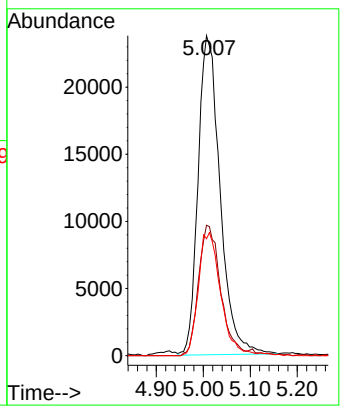




#29
Tetrahydrofuran
Concen: 122.519 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 42 Resp: 7743

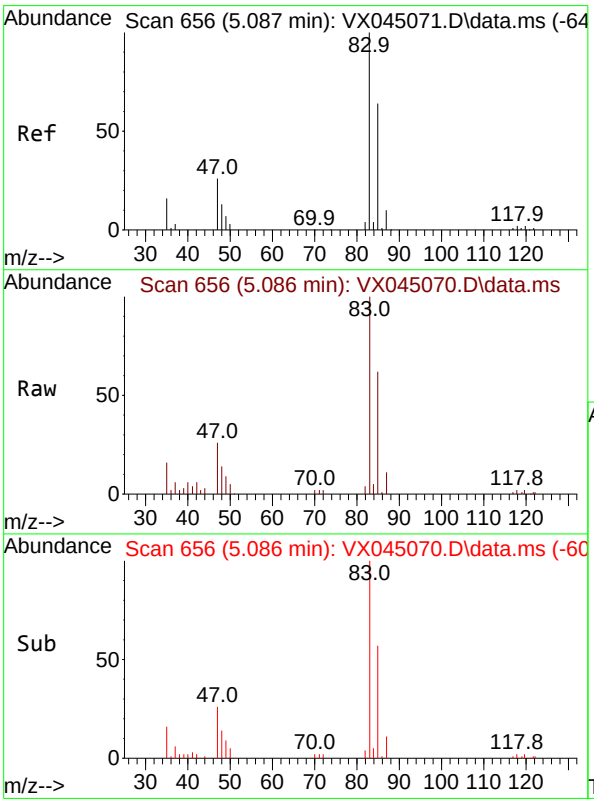
Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.1	51.1
71	39.0	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

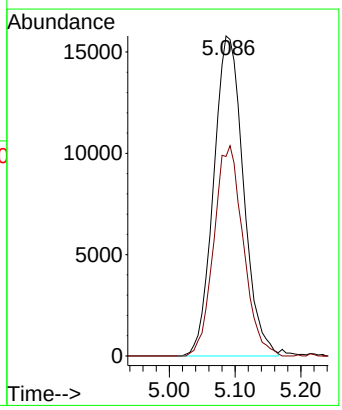
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

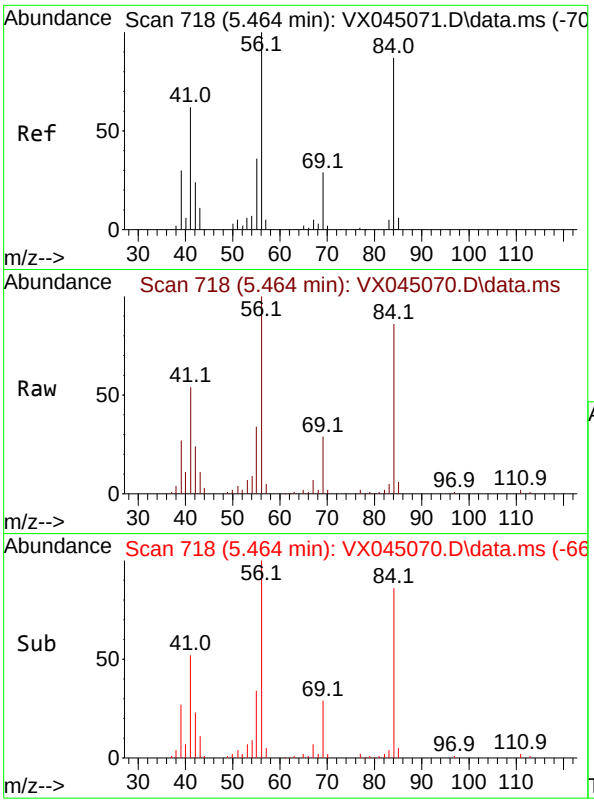


#30
Chloroform
Concen: 21.147 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 49751

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.4	77.2

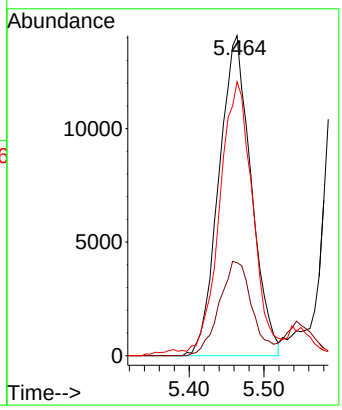




#31
Cyclohexane
Concen: 19.181 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 56 Resp: 4234

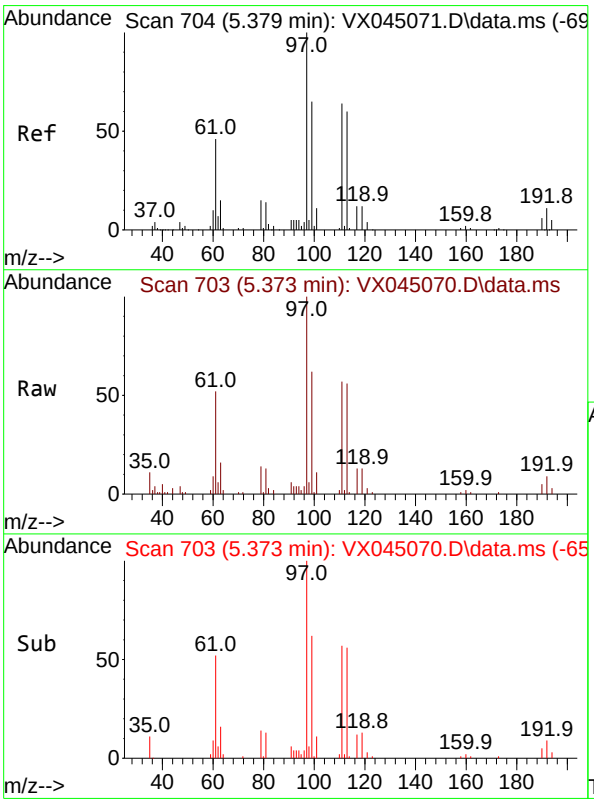
Ion	Ratio	Lower	Upper
56	100		
69	29.0	23.4	35.2
84	84.2	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

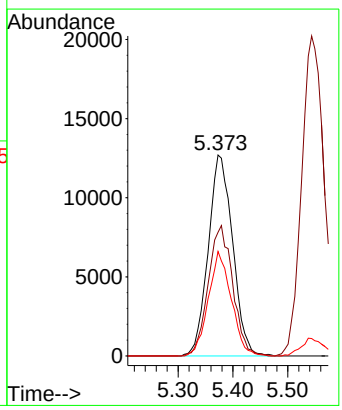
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

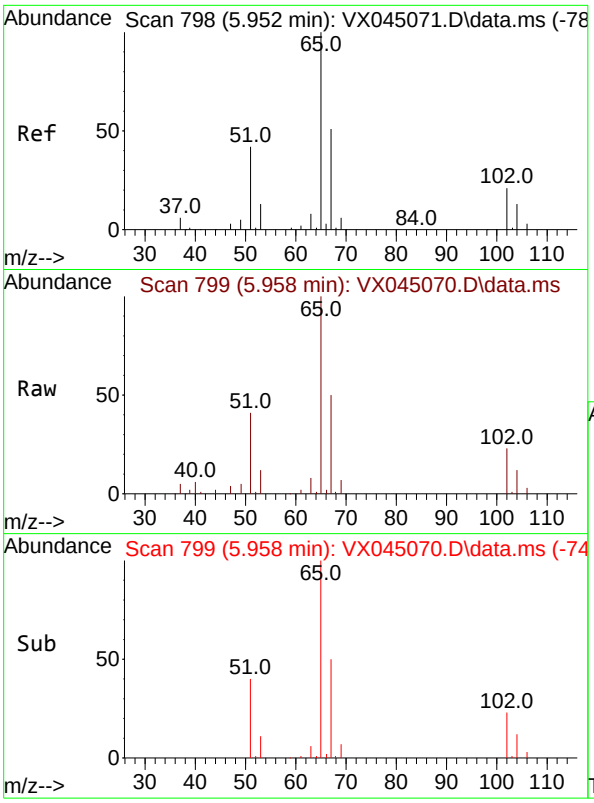


#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

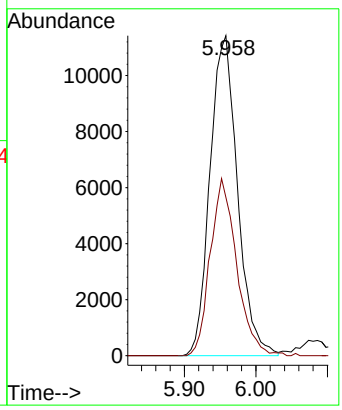




#33
1,2-Dichloroethane-d4
Concen: 21.221 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 65 Resp: 3051

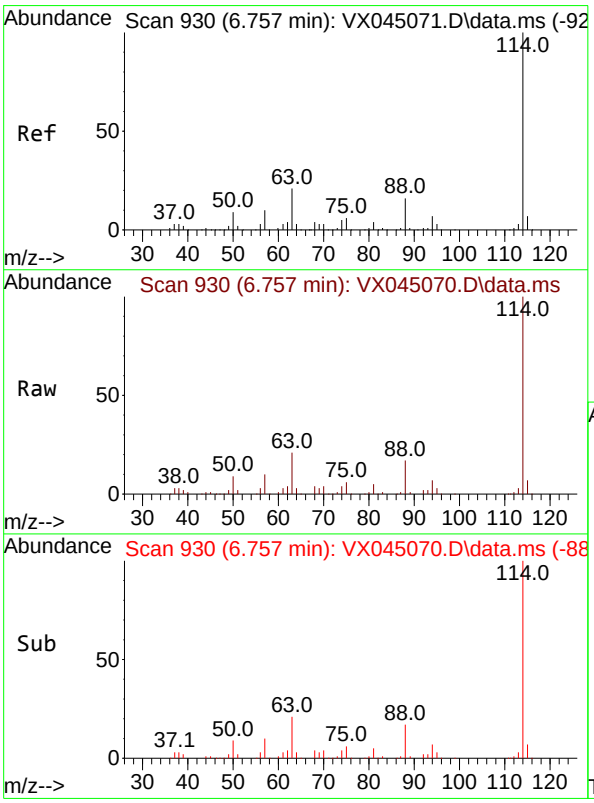
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

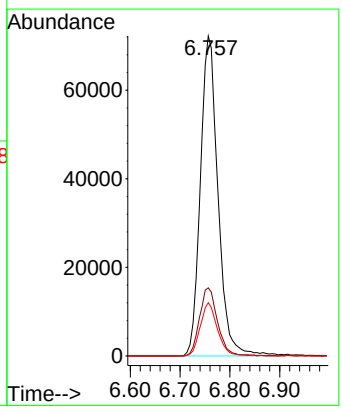
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

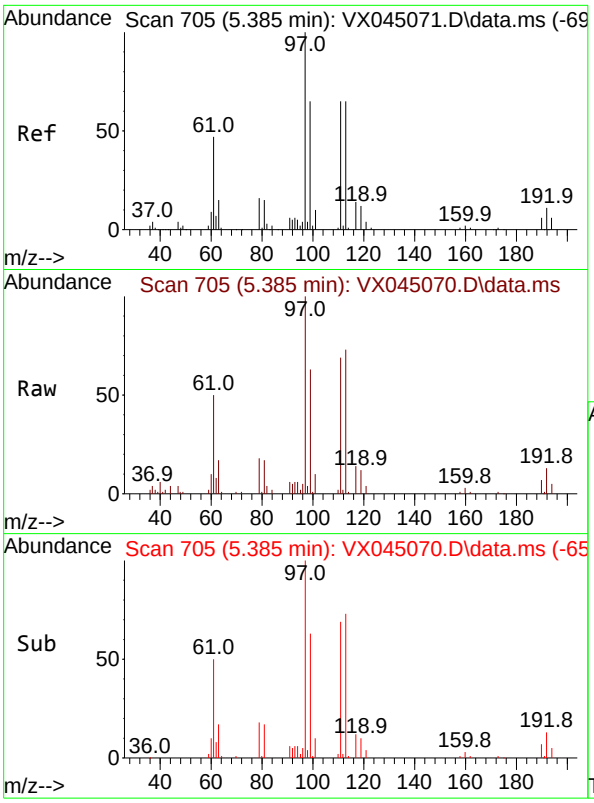


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

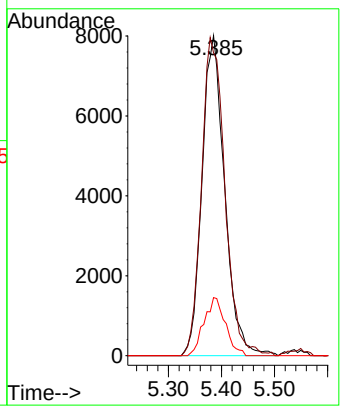




#35
Dibromofluoromethane
Concen: 20.473 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:113 Resp: 2373

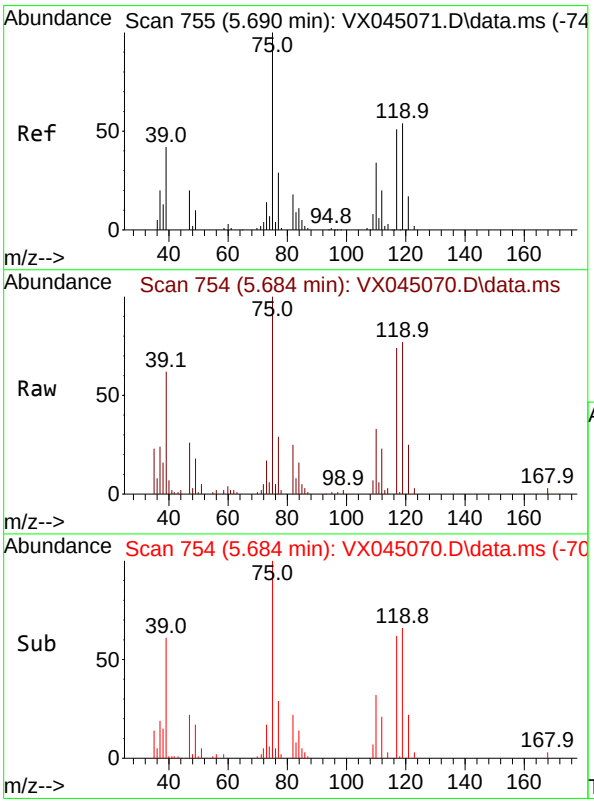
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.2	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

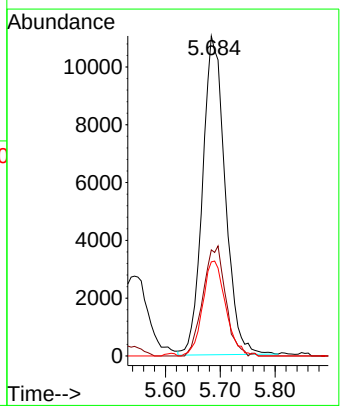
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

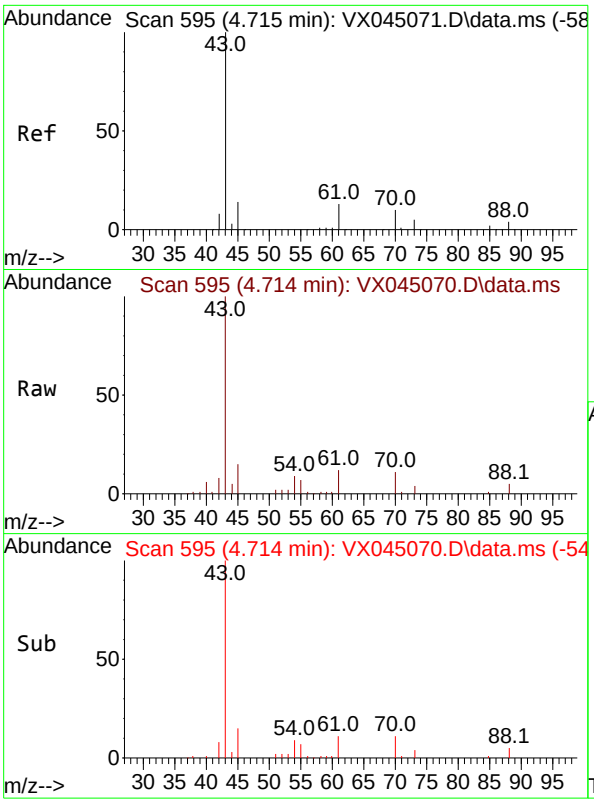


#36
1,1-Dichloropropene
Concen: 18.903 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

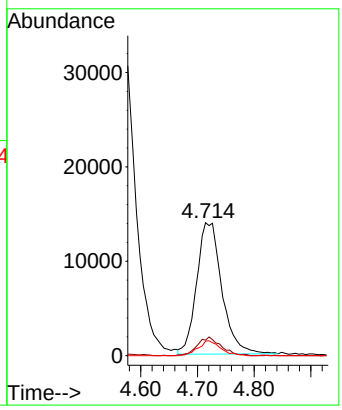




#37
Ethyl Acetate
Concen: 22.714 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 4309

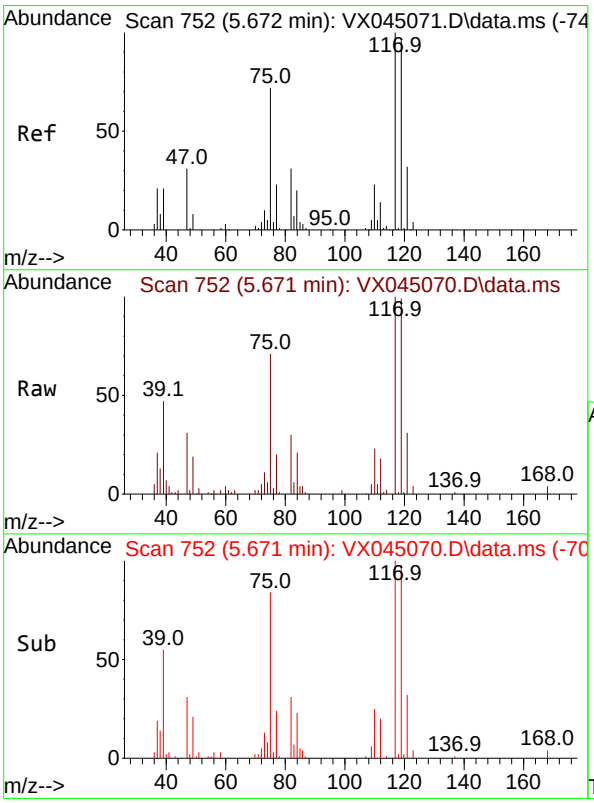
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

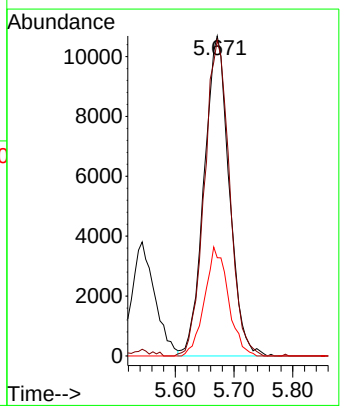
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

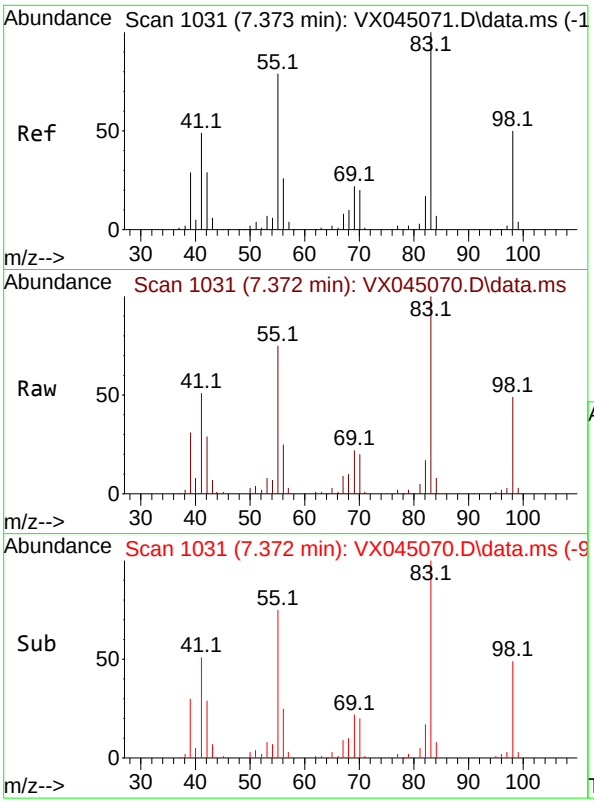


#38
Carbon Tetrachloride
Concen: 19.334 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

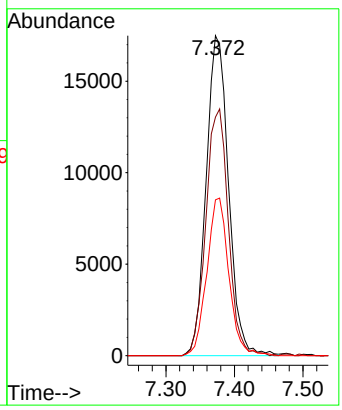




#39
Methylcyclohexane
Concen: 18.676 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 3976

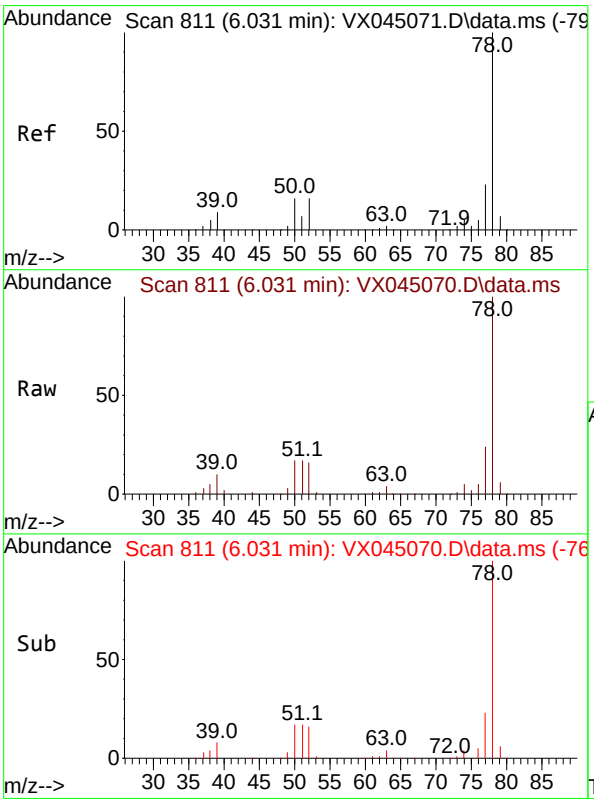
Ion	Ratio	Lower	Upper
83	100		
55	74.6	63.0	94.4
98	48.7	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

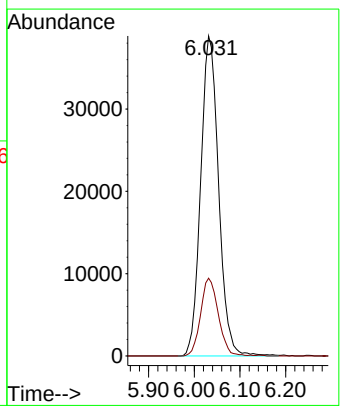
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

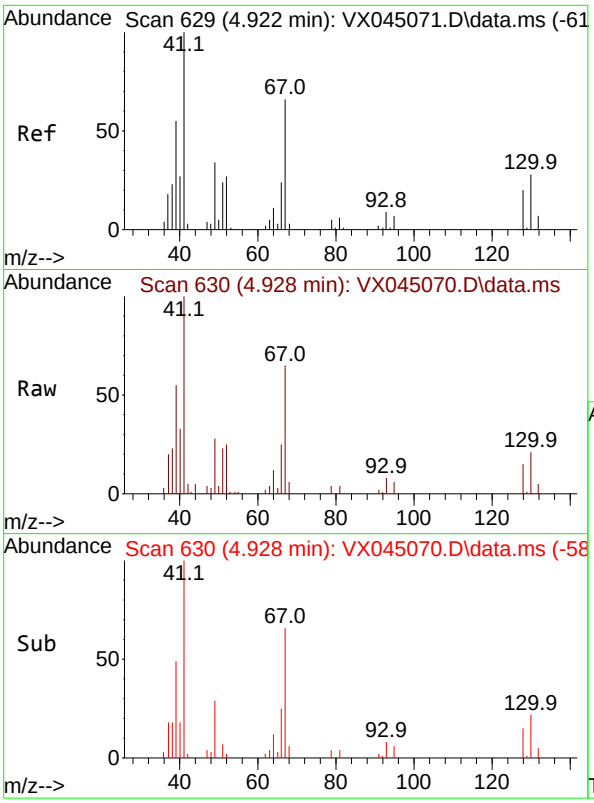


#40
Benzene
Concen: 20.298 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 78 Resp: 105787

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2

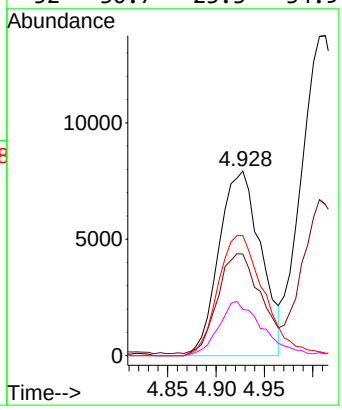




#41
Methacrylonitrile
Concen: 23.605 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 41 Resp: 2392

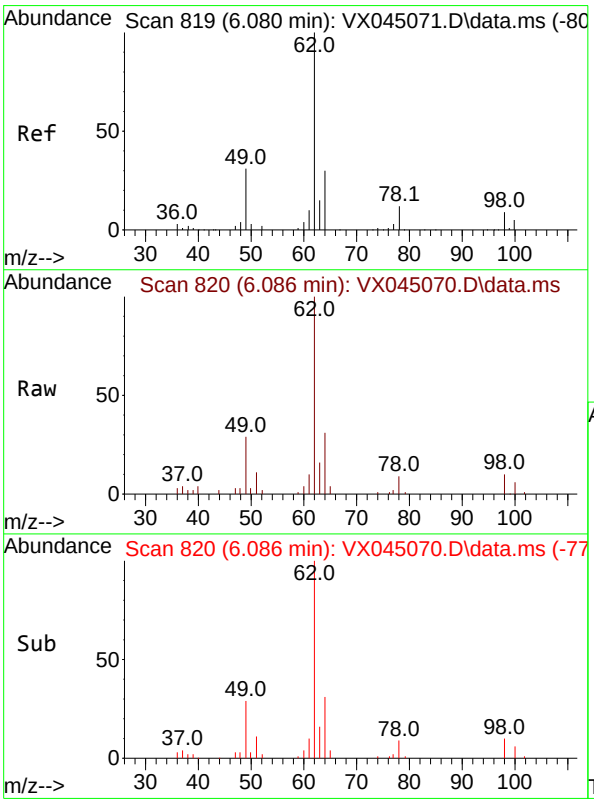
Ion	Ratio	Lower	Upper
41	100		
39	55.3	44.6	67.0
67	71.6	53.9	80.9
52	30.7	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

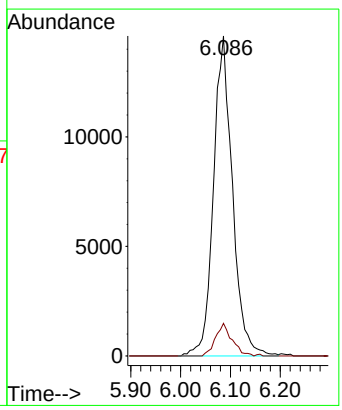
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

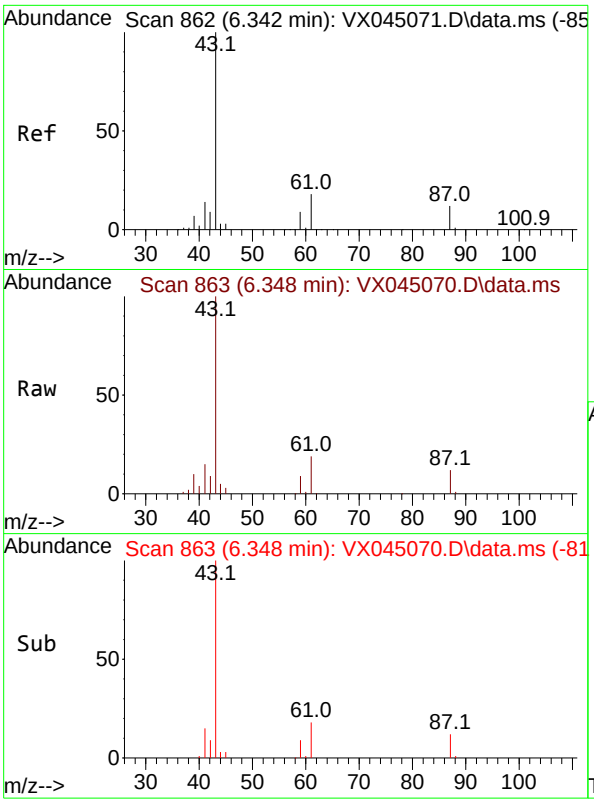


#42
1,2-Dichloroethane
Concen: 22.886 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

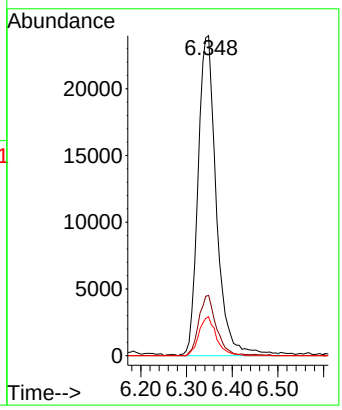
Tgt Ion: 43 Resp: 6672

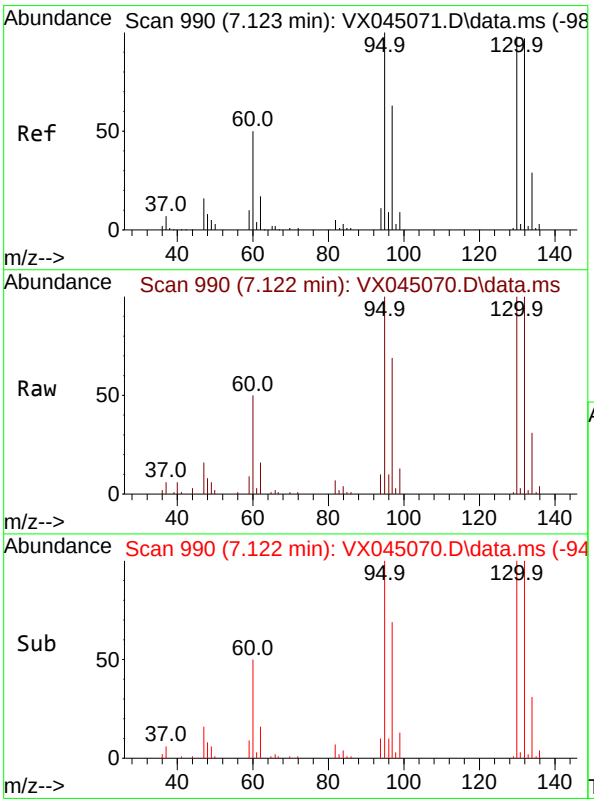
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.9	22.3
87	11.5	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

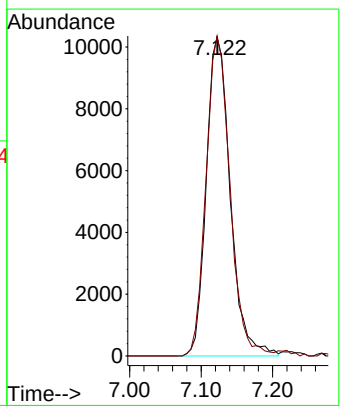


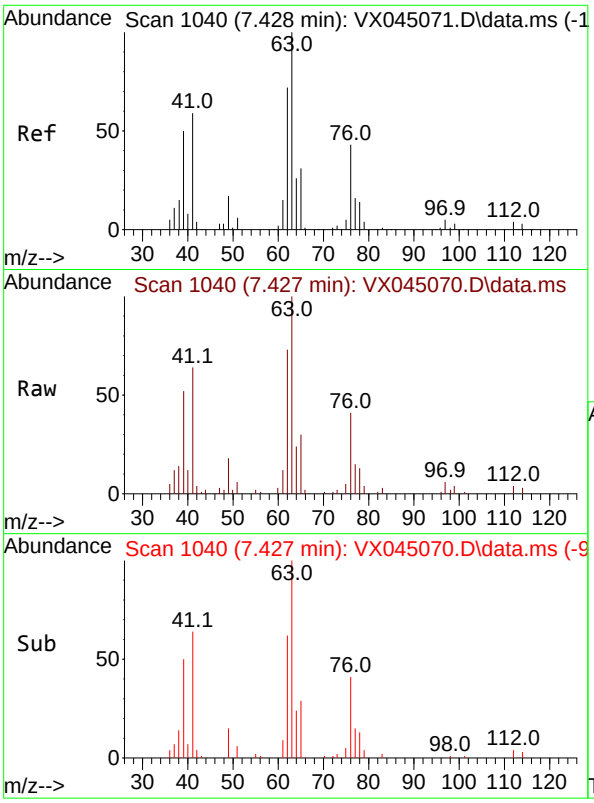


#44
Trichloroethene
Concen: 20.191 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:130 Resp: 24052

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0

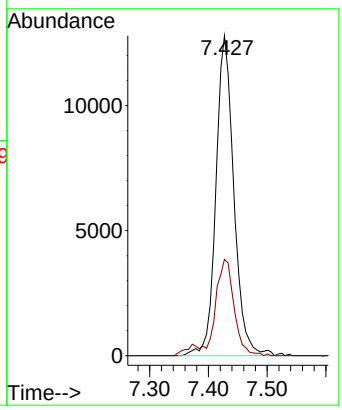




#45
1,2-Dichloropropane
Concen: 20.945 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 2712

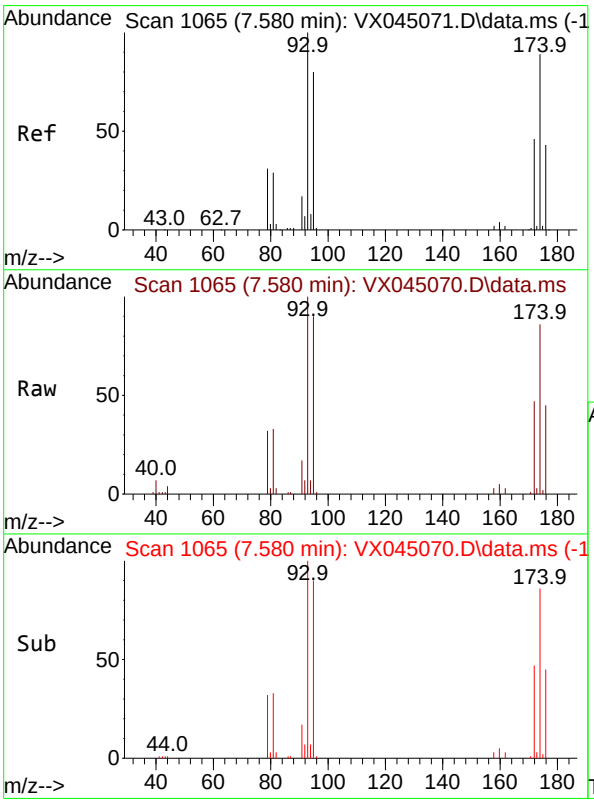
Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

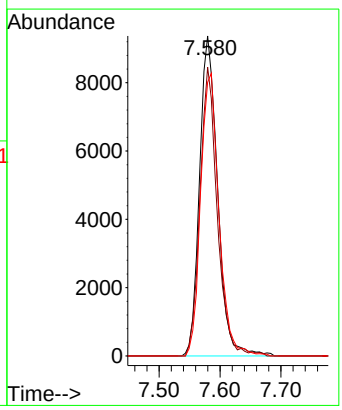
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

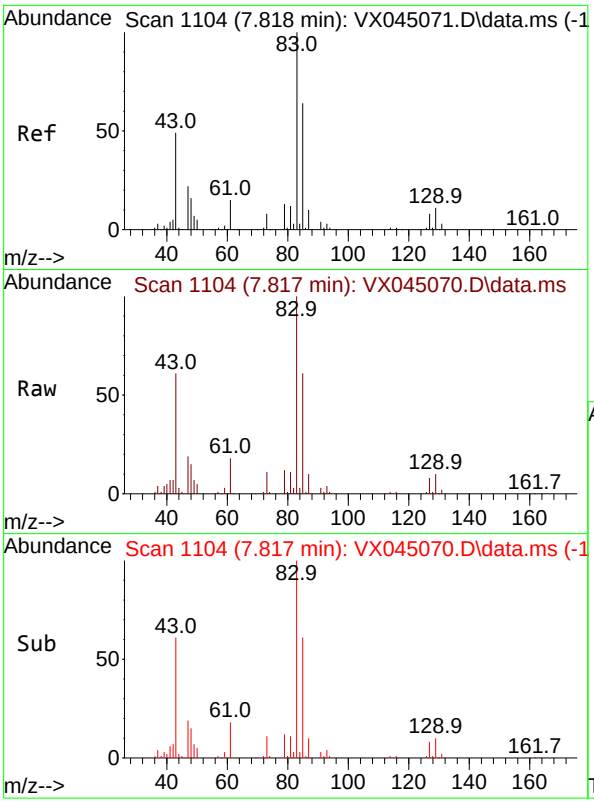


#46
Dibromomethane
Concen: 21.357 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

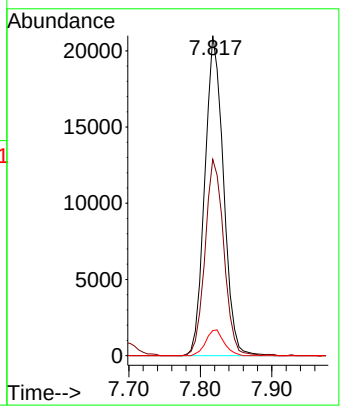




#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 3803

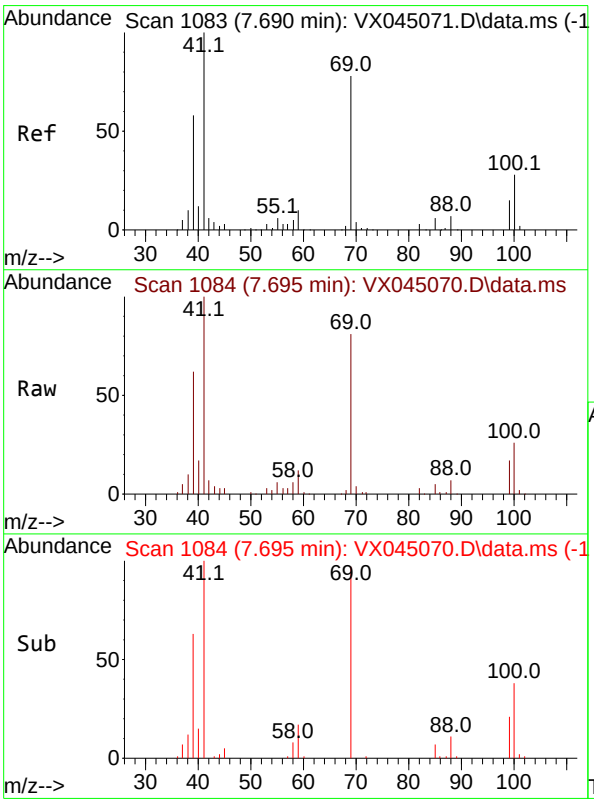
Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.1	76.7
127	7.8	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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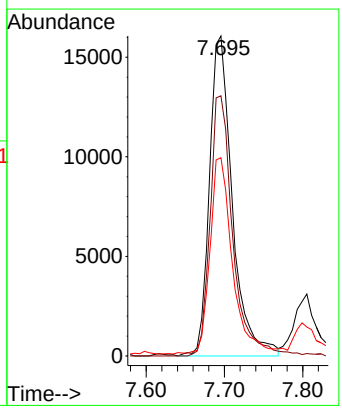
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

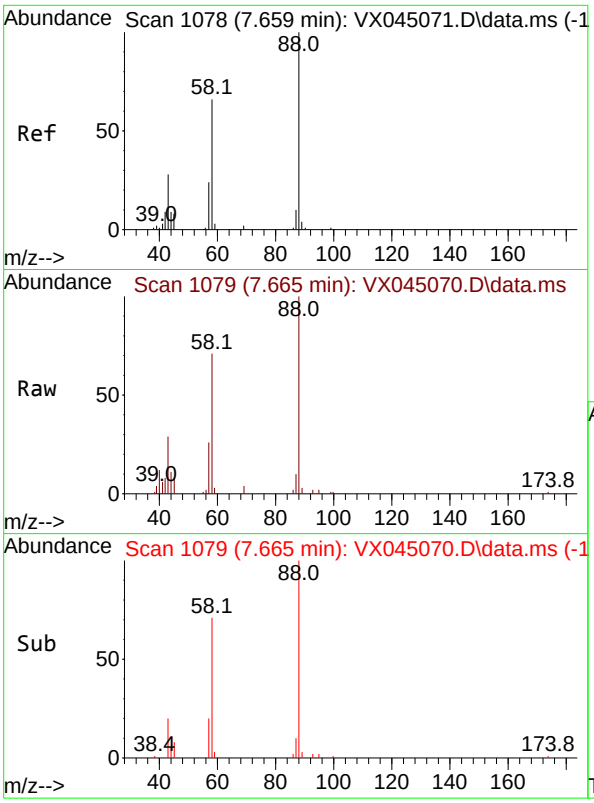


#48
Methyl methacrylate
Concen: 22.757 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

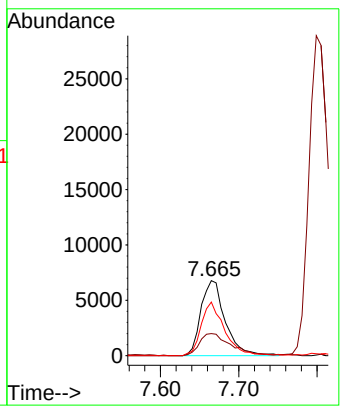




#49
1,4-Dioxane
Concen: 479.170 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 88 Resp: 1460

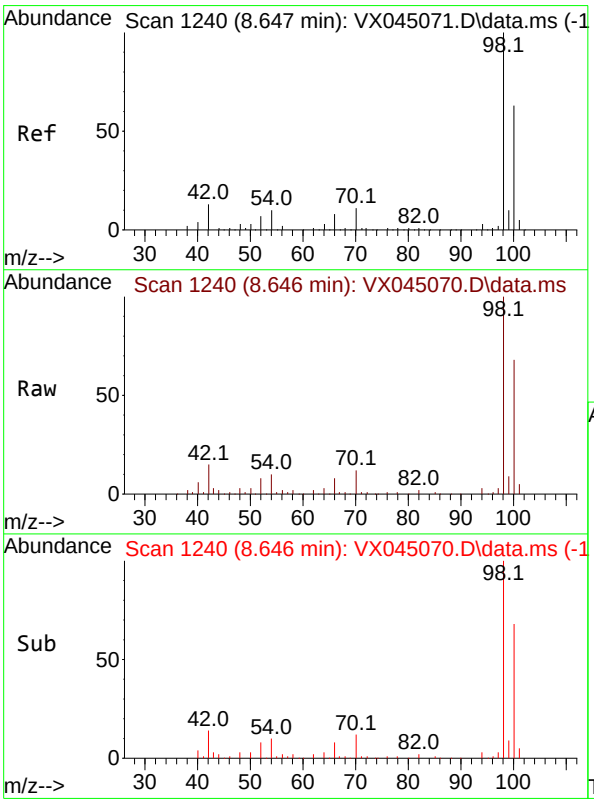
Ion	Ratio	Lower	Upper
88	100		
43	38.7	28.7	43.1
58	68.3	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

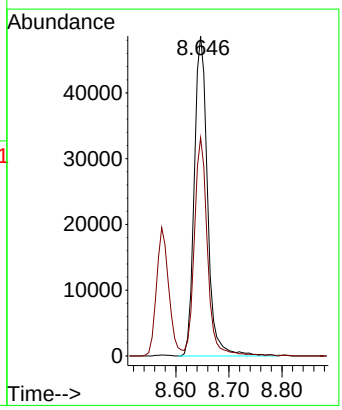
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

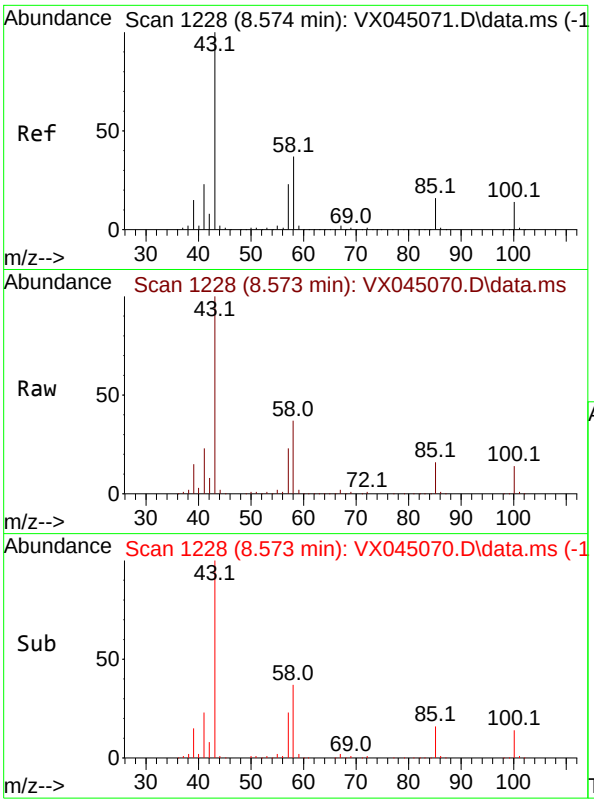


#50
Toluene-d8
Concen: 19.469 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

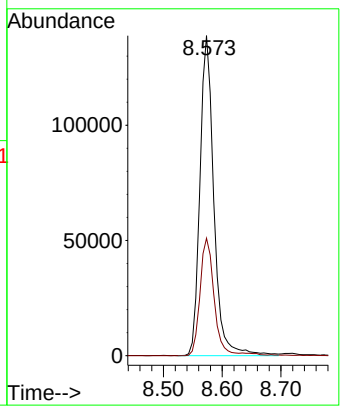
Tgt Ion: 43 Resp: 22961

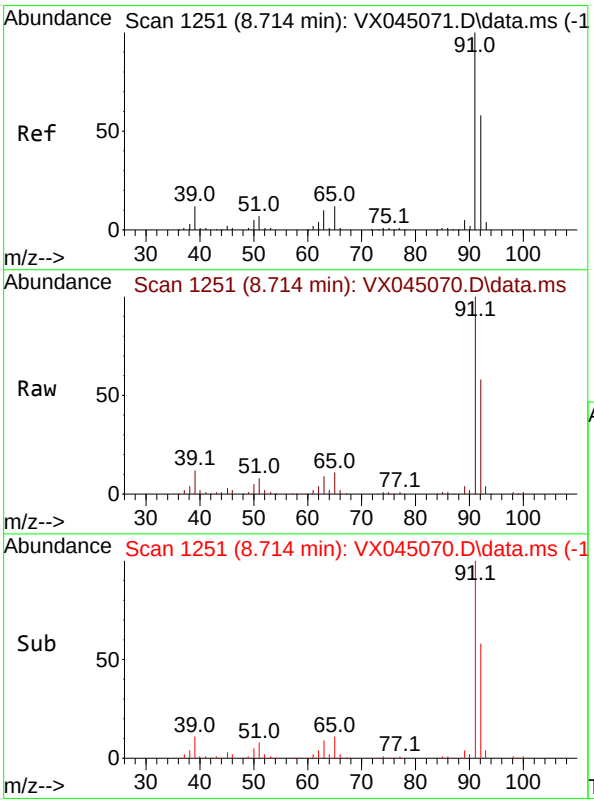
Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

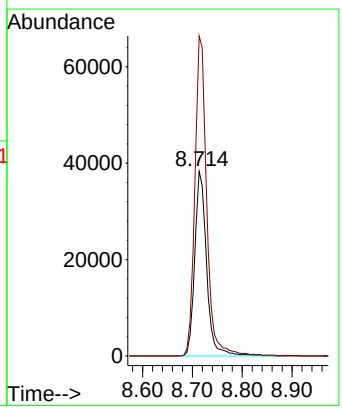


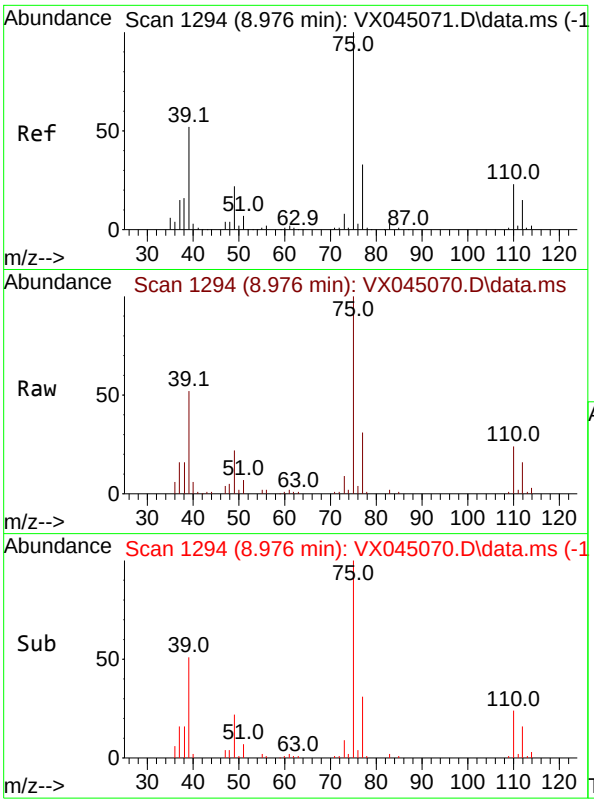


#52
Toluene
Concen: 20.463 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 92 Resp: 63326

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3

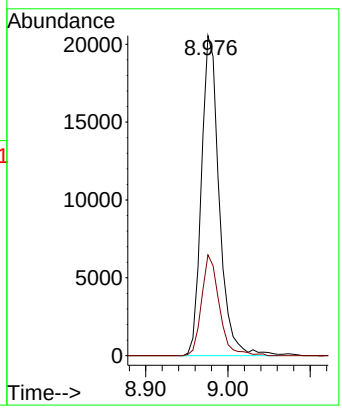




#53
t-1,3-Dichloropropene
Concen: 17.871 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 3091

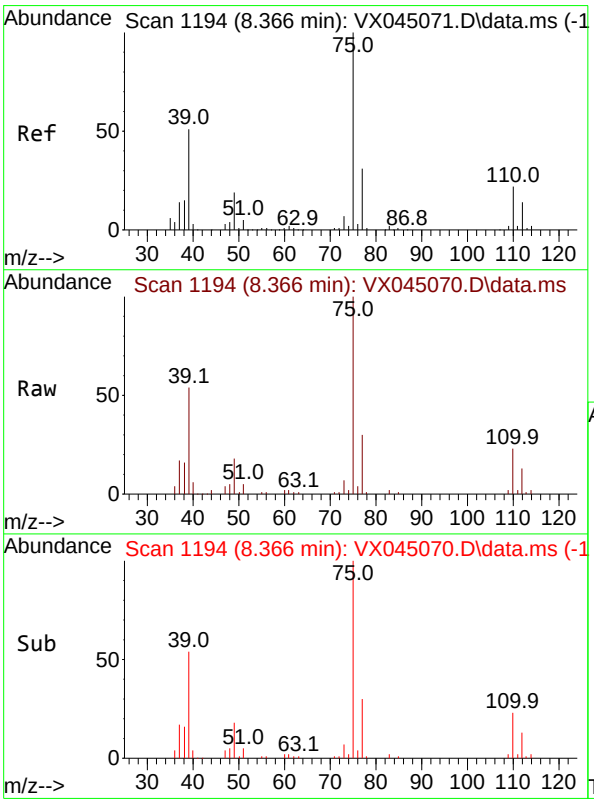
Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

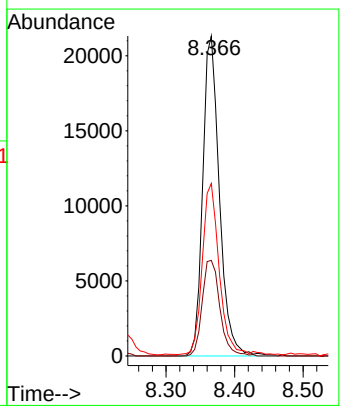
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

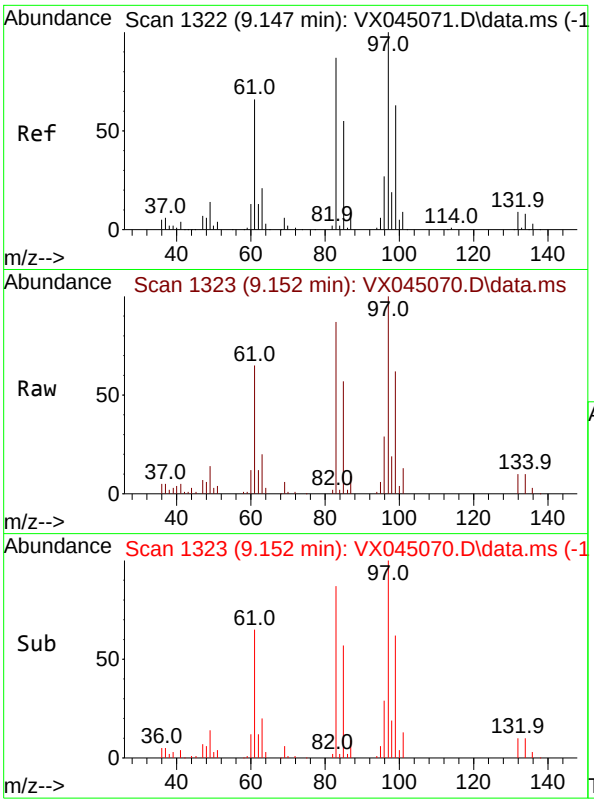


#54
cis-1,3-Dichloropropene
Concen: 18.675 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

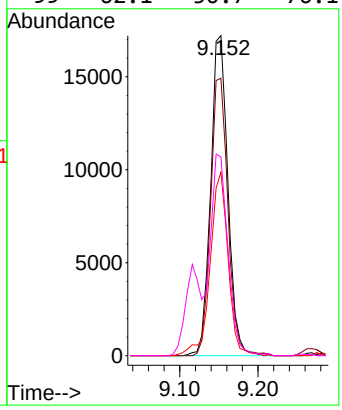




#55
1,1,2-Trichloroethane
Concen: 21.992 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 97 Resp: 2635

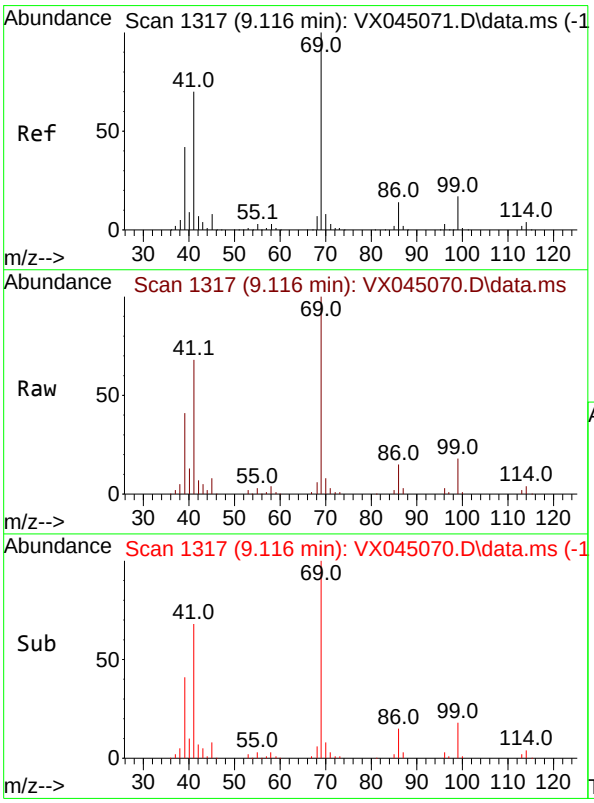
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.2
85	57.3	44.1	66.1
99	62.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

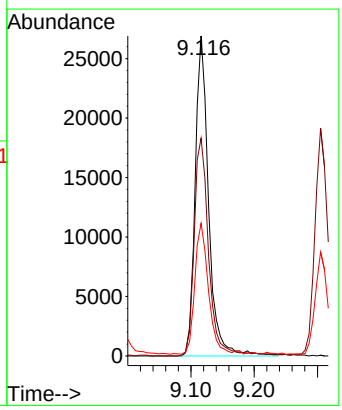
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

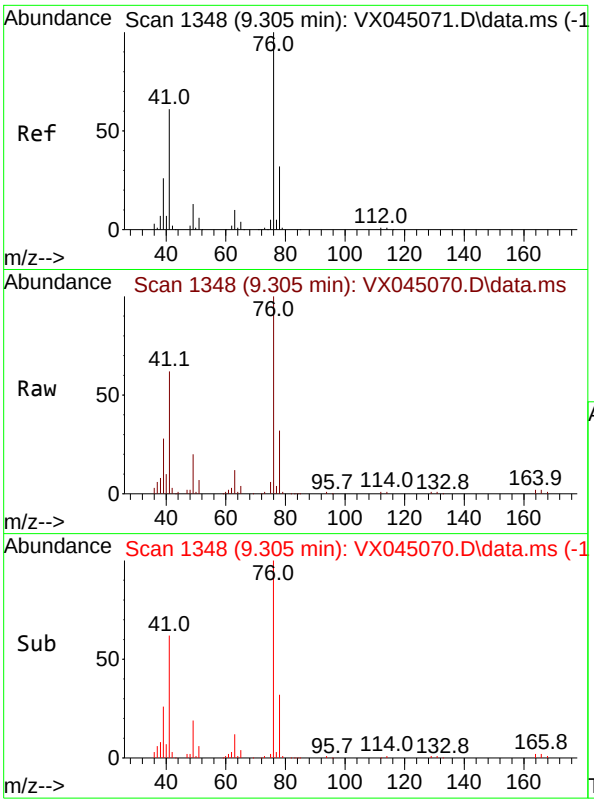


#56
Ethyl methacrylate
Concen: 20.791 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

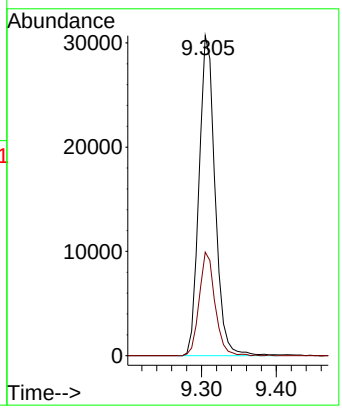




#57
1,3-Dichloropropane
Concen: 21.836 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 76 Resp: 4564

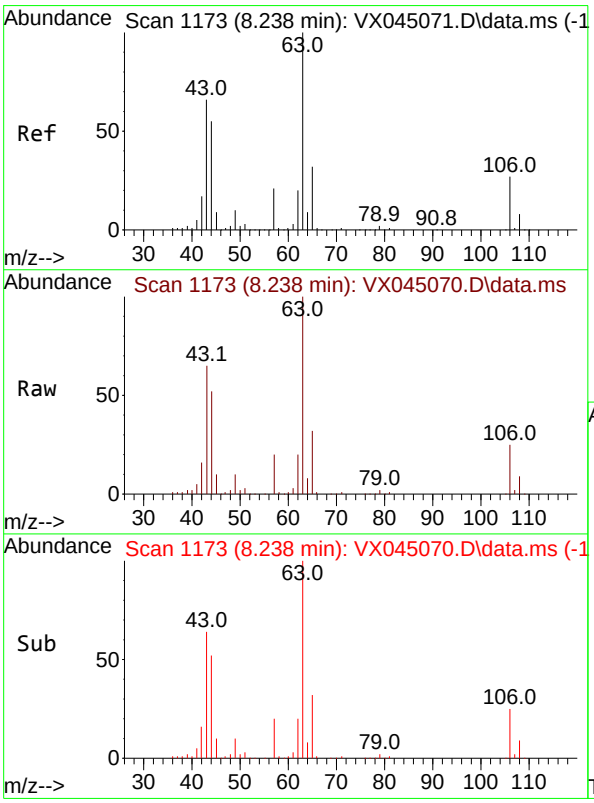
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

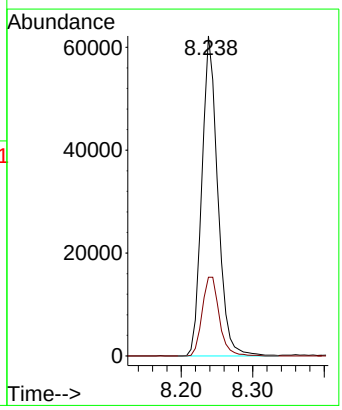
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

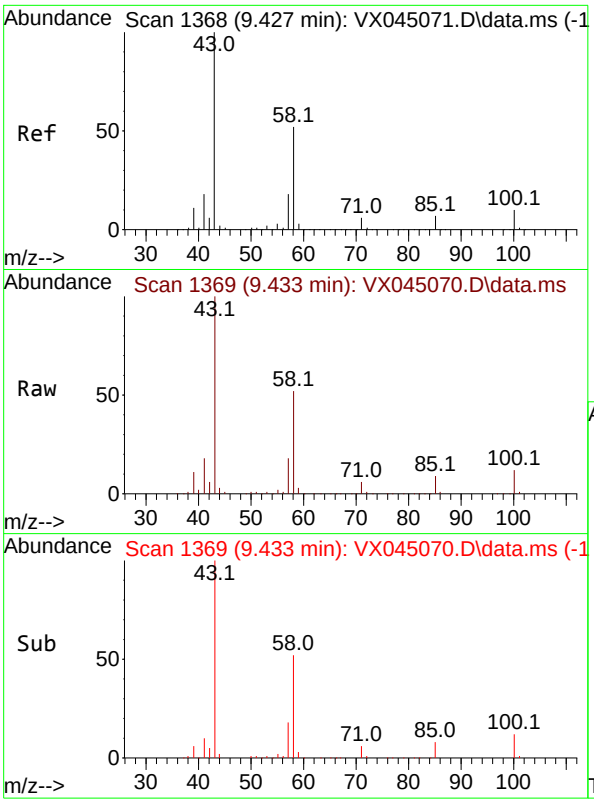


#58
2-Chloroethyl Vinyl ether
Concen: 102.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

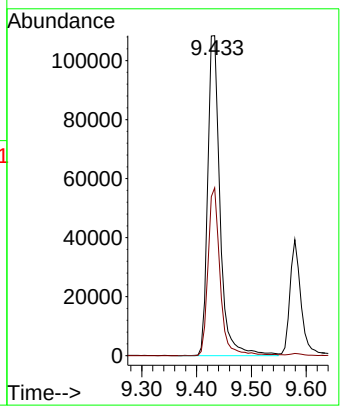
Tgt Ion: 43 Resp: 16876

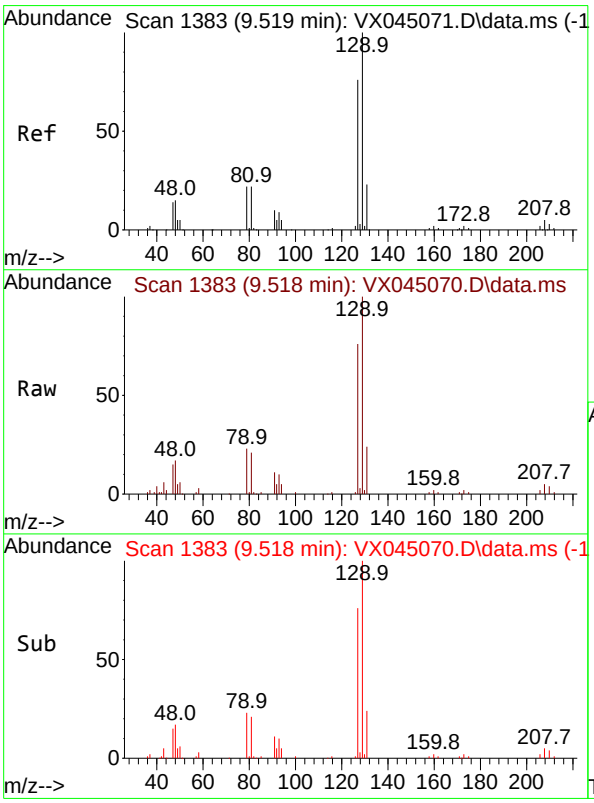
Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

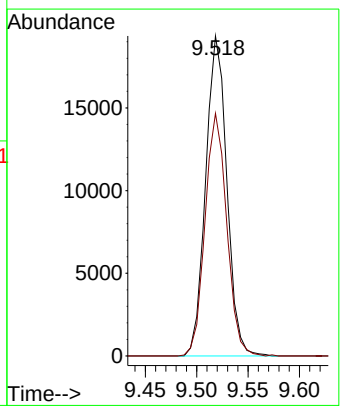


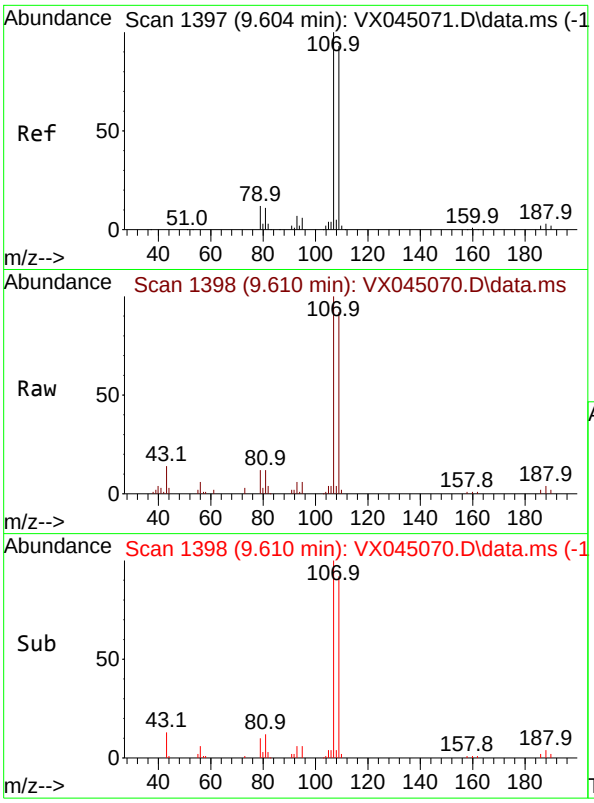


#60
Dibromochloromethane
Concen: 21.668 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:129 Resp: 27705

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5

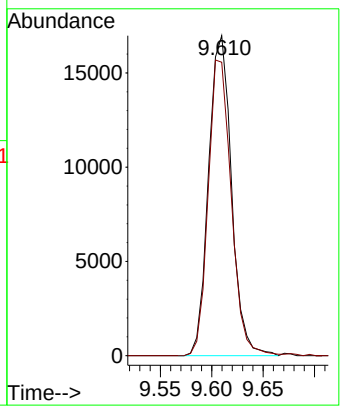




#61
1,2-Dibromoethane
Concen: 21.764 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:107 Resp: 2631

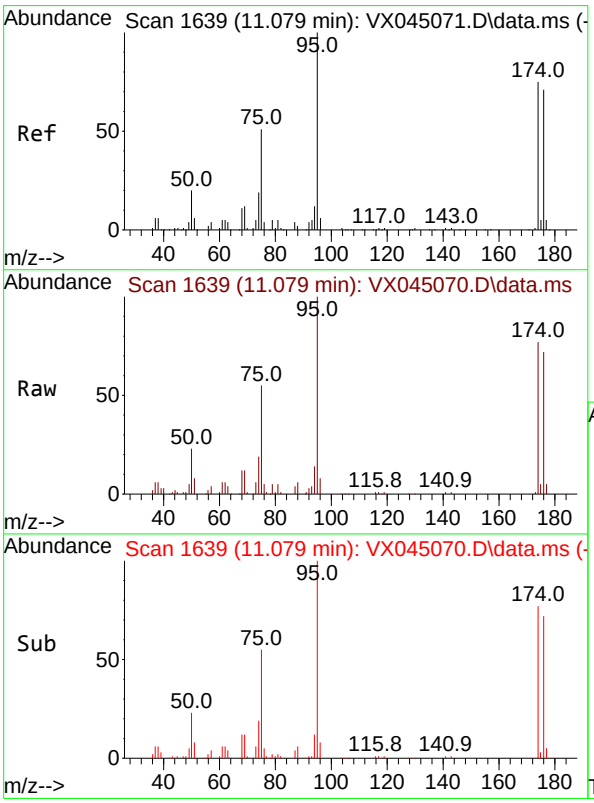
Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

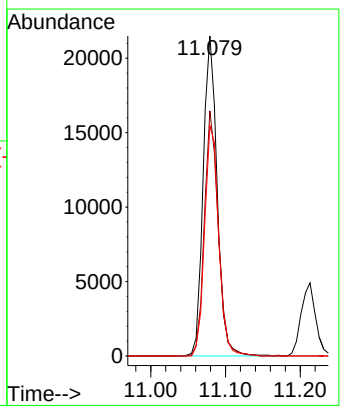
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

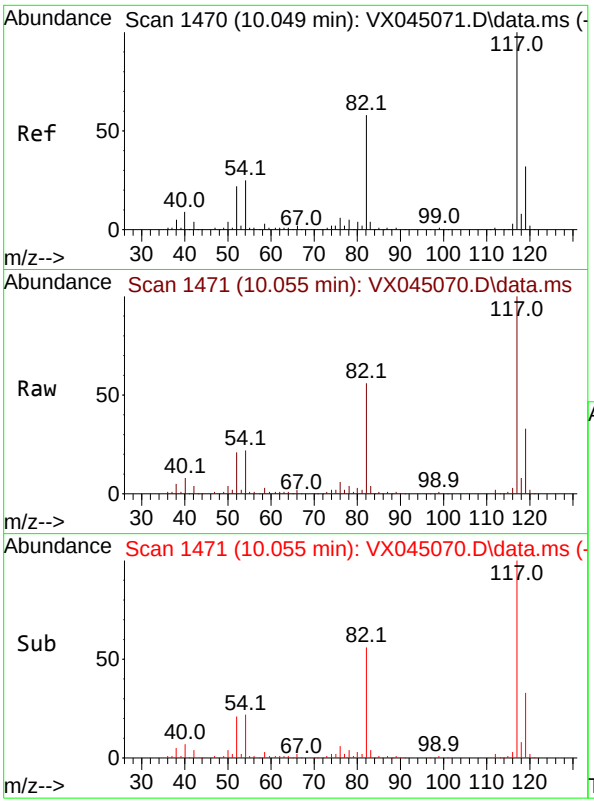


#62
4-Bromofluorobenzene
Concen: 19.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

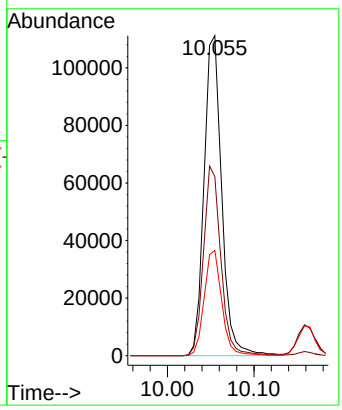




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15771

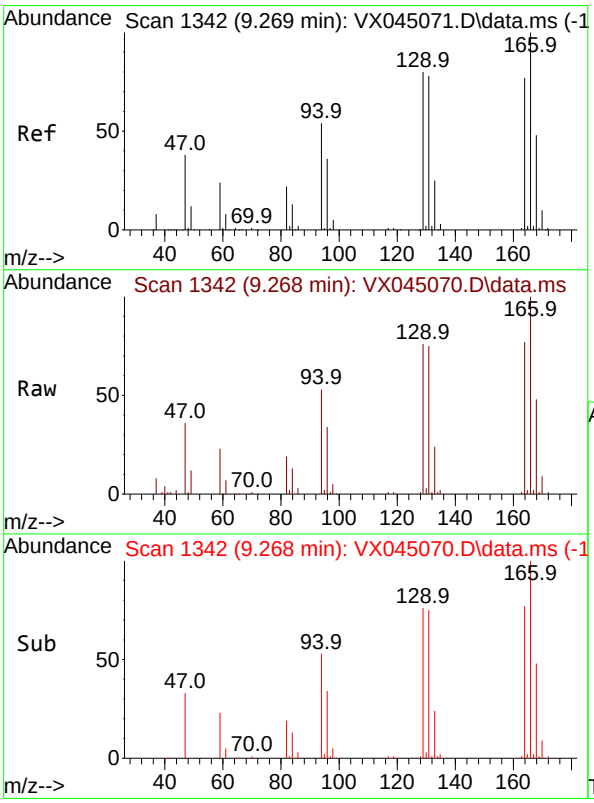
Ion	Ratio	Lower	Upper
117	100		
82	55.9	46.3	69.5
119	33.0	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

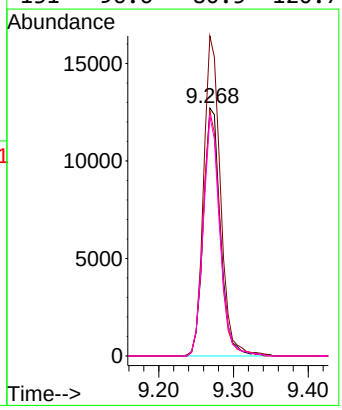
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

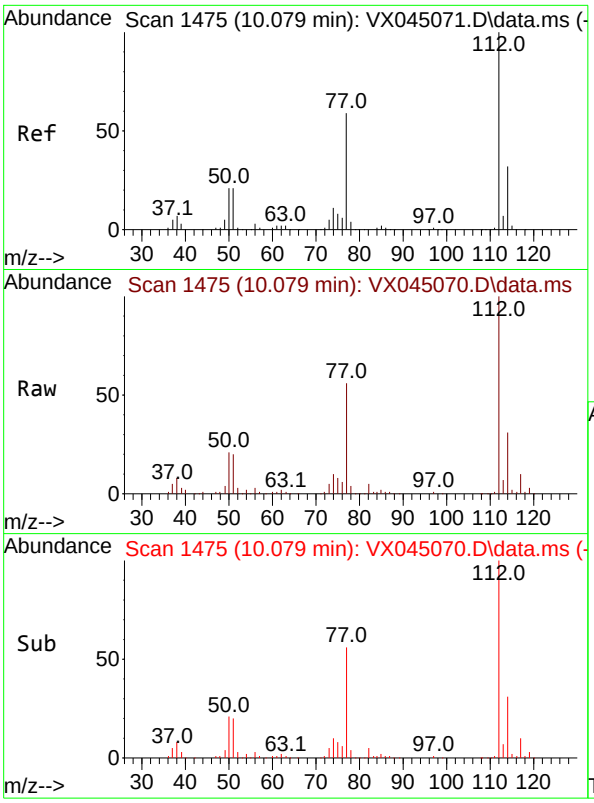


#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

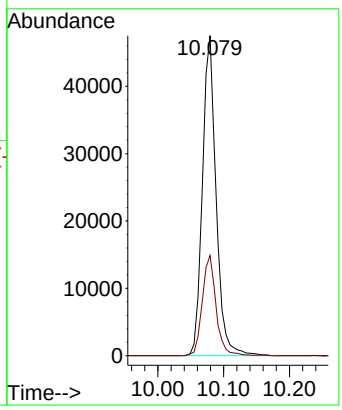




#65
Chlorobenzene
Concen: 20.316 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:112 Resp: 6877

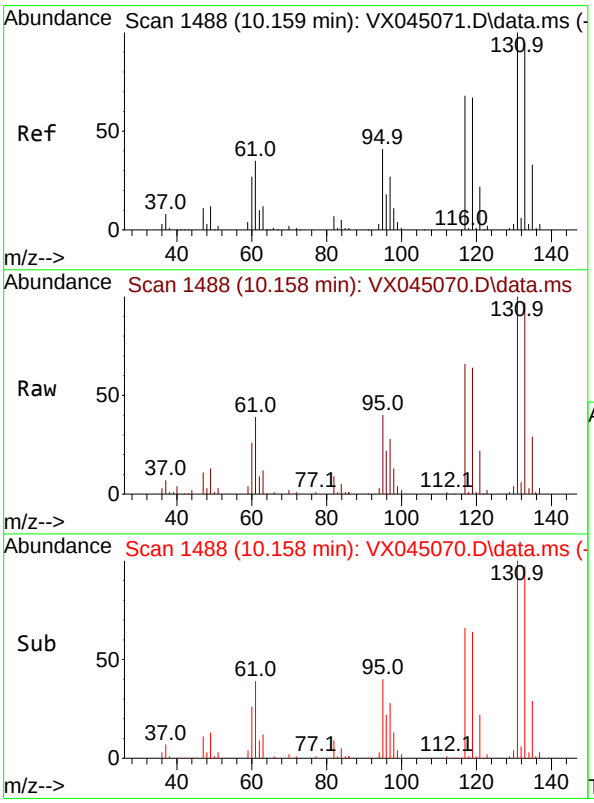
Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

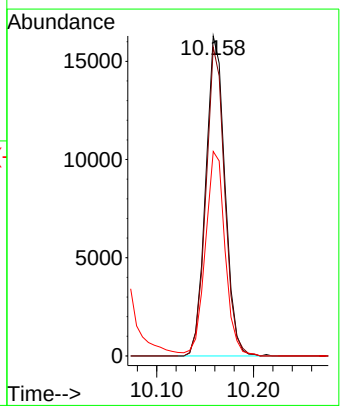
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

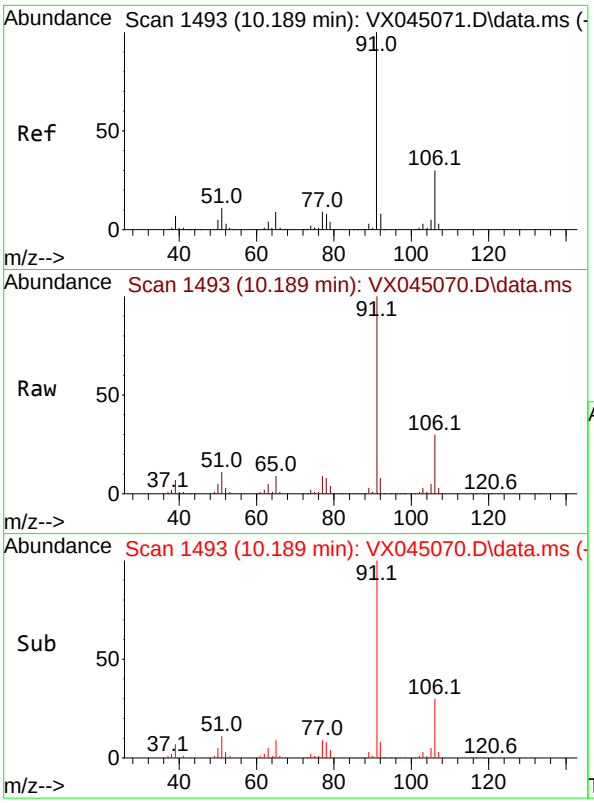


#66
1,1,1,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

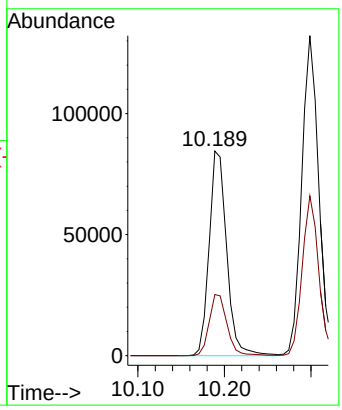
Tgt Ion: 91 Resp: 11916

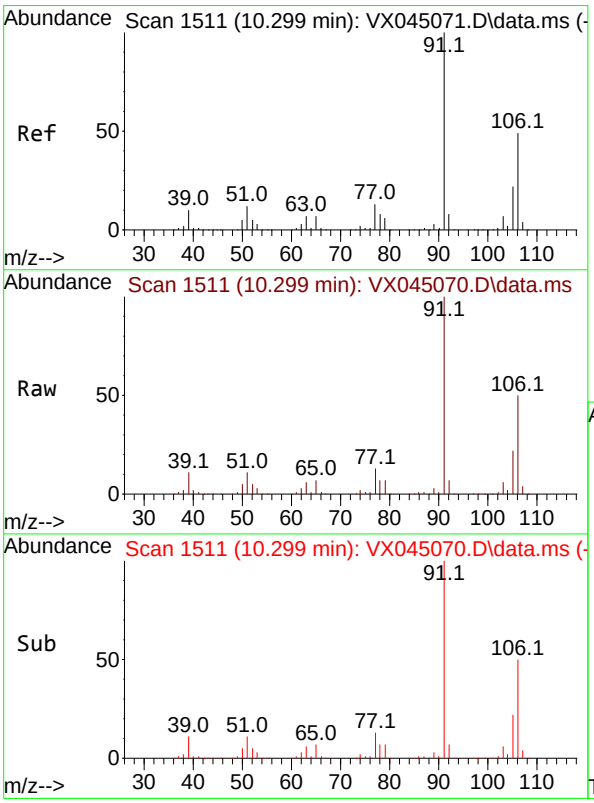
Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

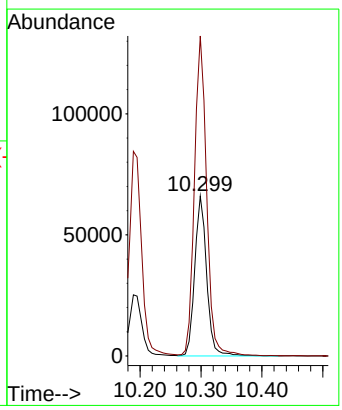


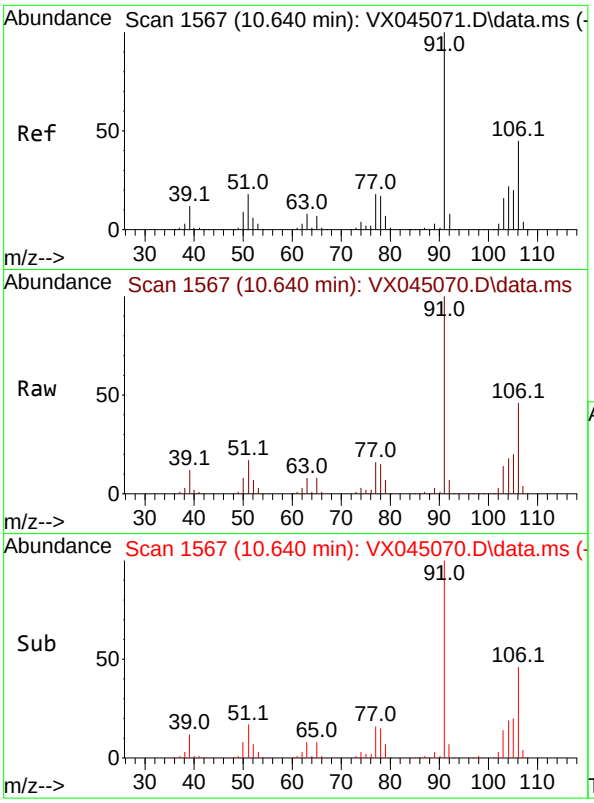


#68
m/p-Xylenes
Concen: 40.699 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 89735

Ion	Ratio	Lower	Upper
106	100		
91	204.2	165.4	248.0

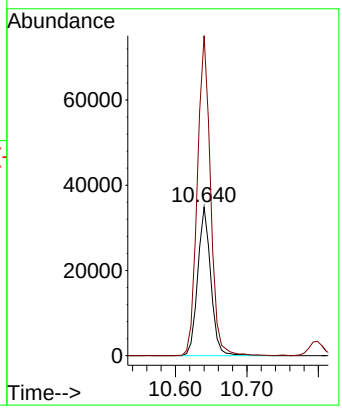




#69
o-Xylene
Concen: 20.018 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 4428

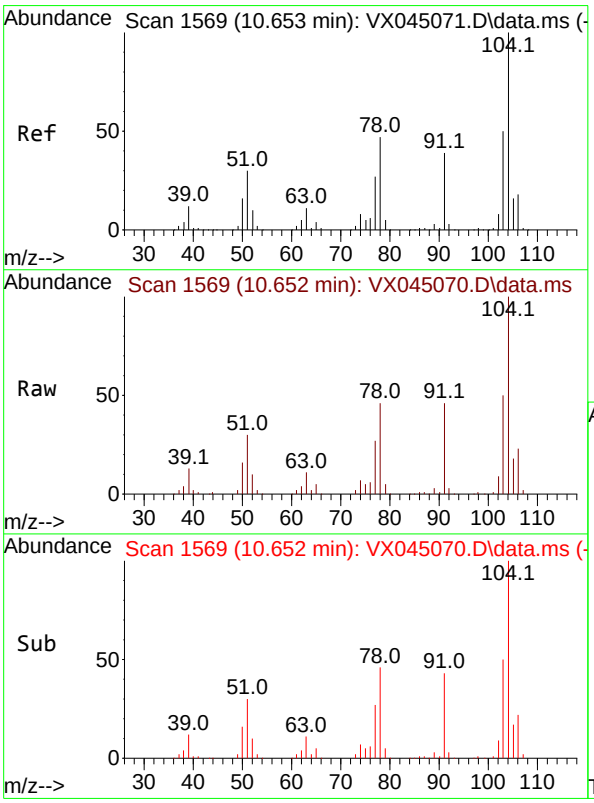
Ion	Ratio	Lower	Upper
106	100		
91	216.8	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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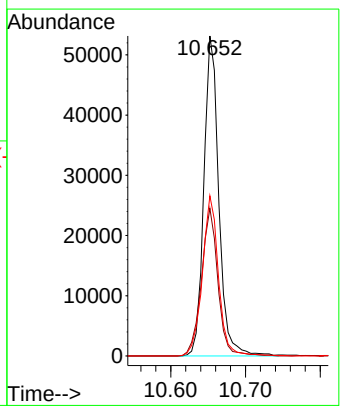
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

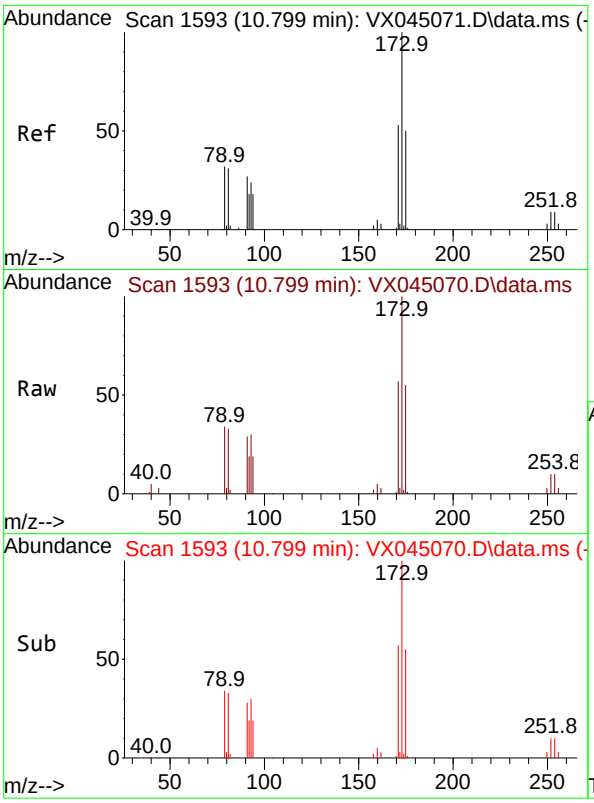


#70
Styrene
Concen: 20.767 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

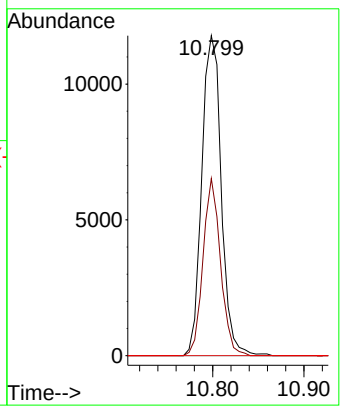




#71
Bromoform
Concen: 21.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:173 Resp: 1740

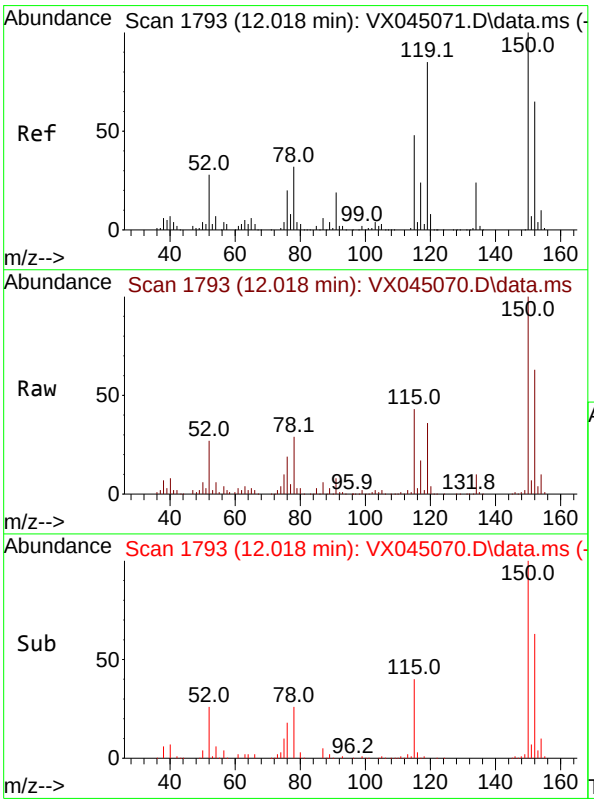
Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

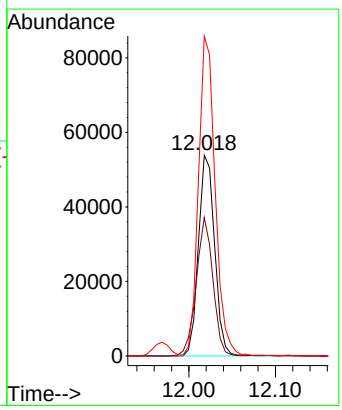
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

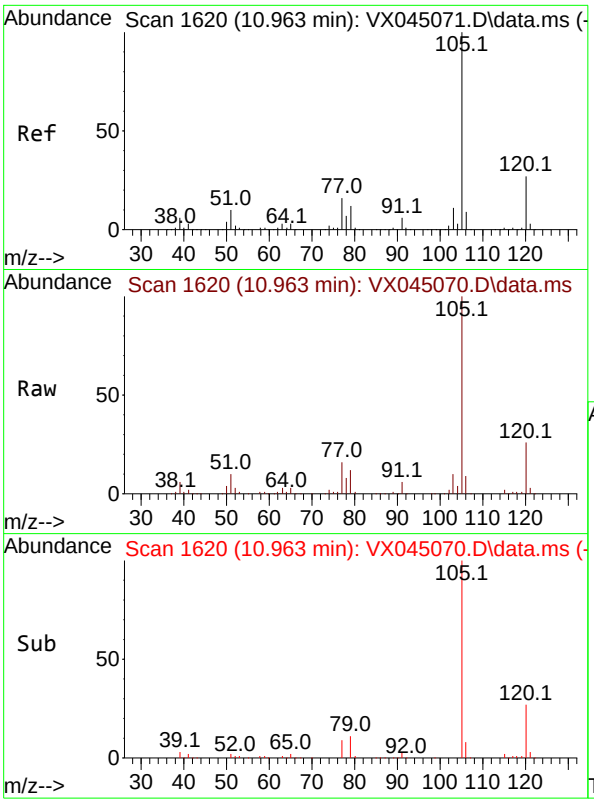


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

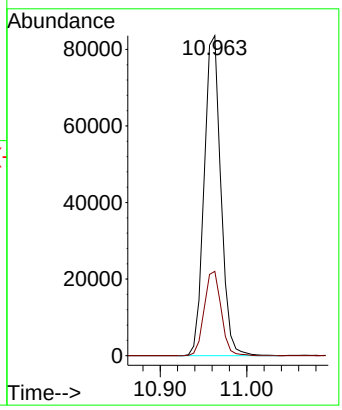




#73
Isopropylbenzene
Concen: 19.794 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 11209

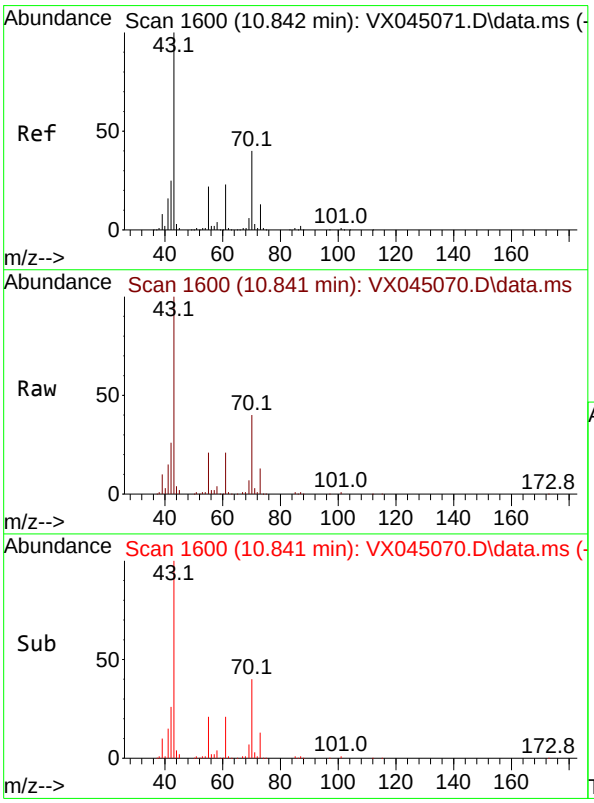
Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

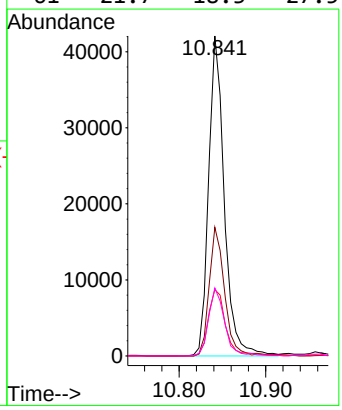
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

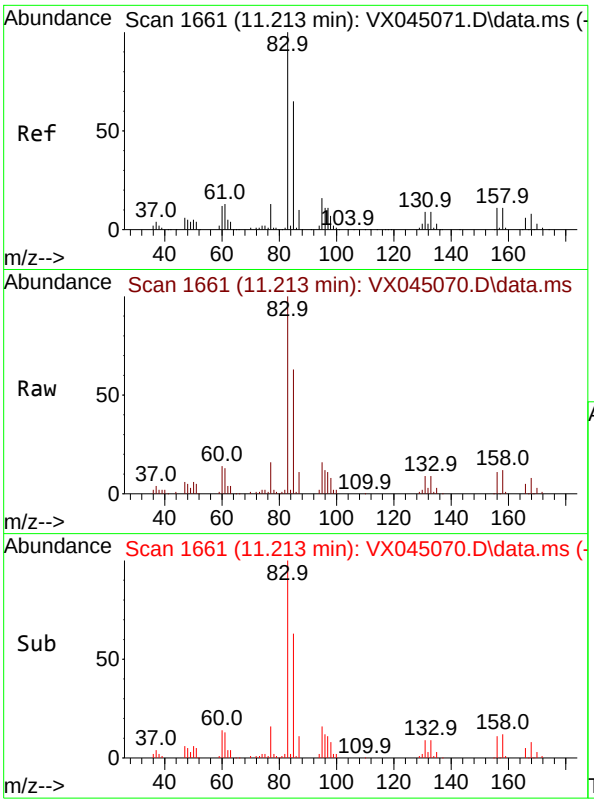


#74
N-amyl acetate
Concen: 20.606 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

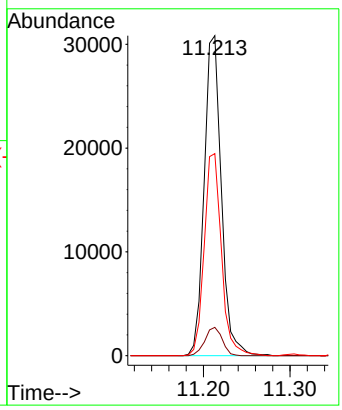




#75
1,1,2,2-Tetrachloroethane
Concen: 21.738 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 4241

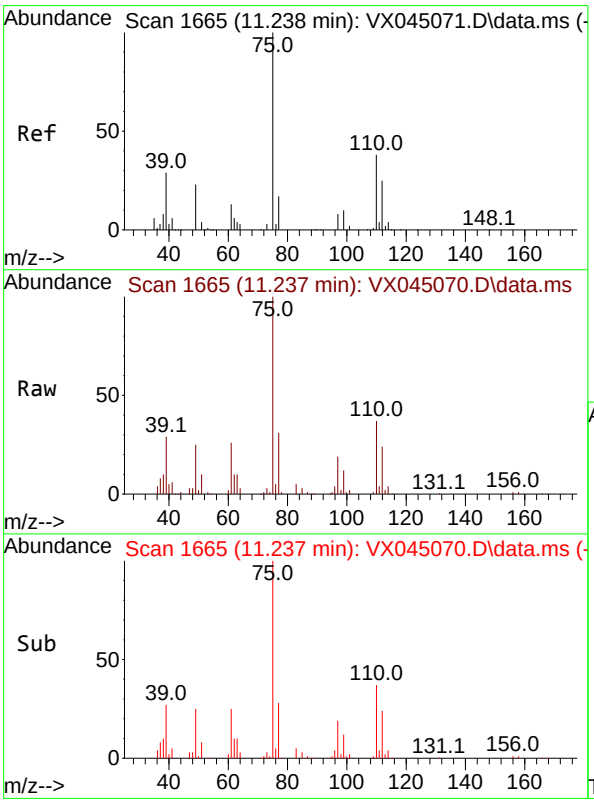
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.5	13.4
85	63.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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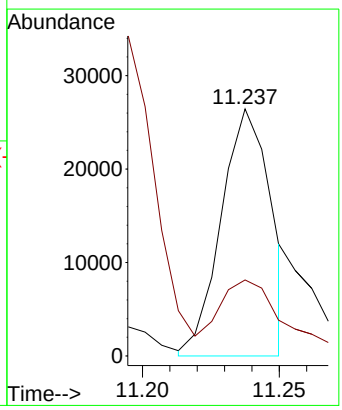
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

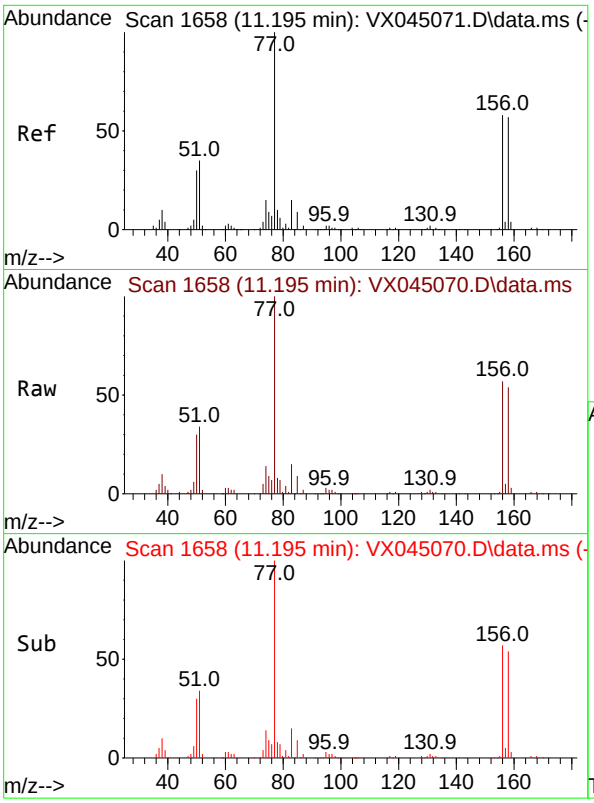


#76
1,2,3-Trichloropropane
Concen: 21.394 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 33440

Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.7	62.1

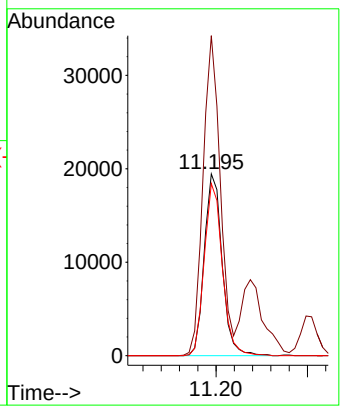




#77
Bromobenzene
Concen: 20.466 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:156 Resp: 2631

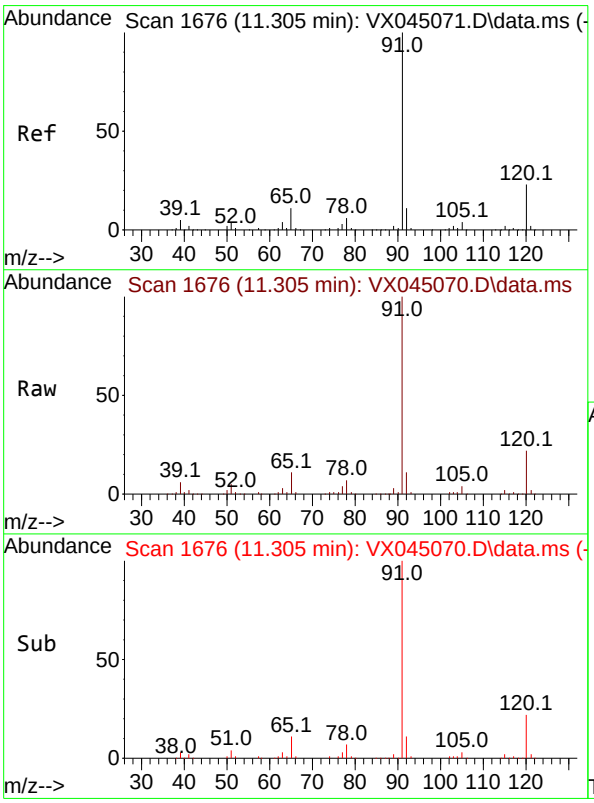
Ion	Ratio	Lower	Upper
156	100		
77	170.2	85.8	257.4
158	95.9	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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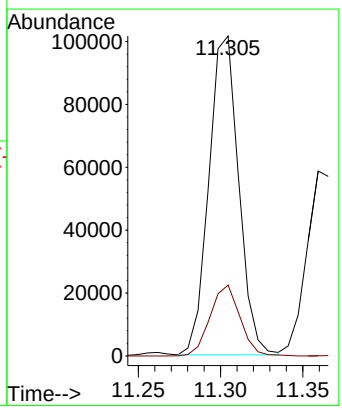
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

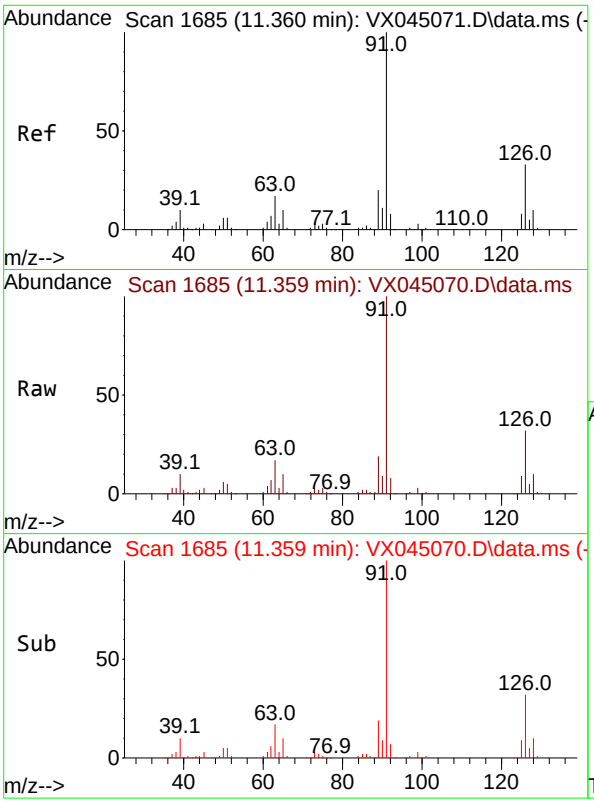


#78
n-propylbenzene
Concen: 19.641 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

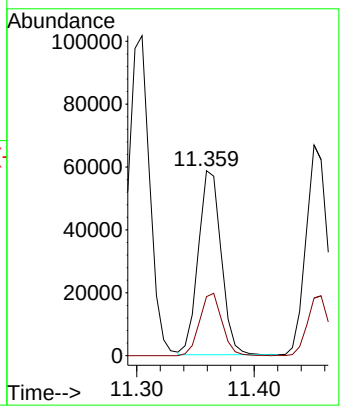
Tgt Ion: 91 Resp: 7927

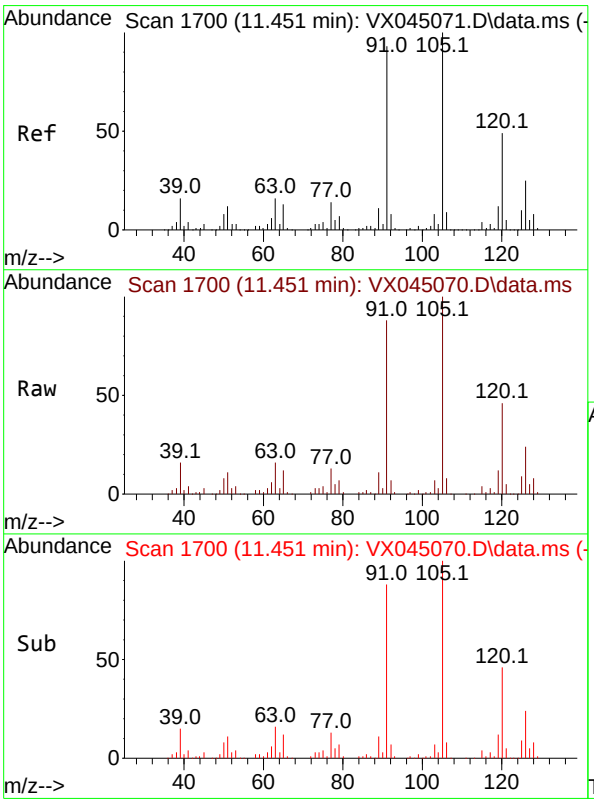
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

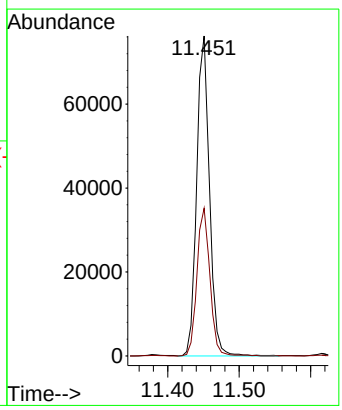


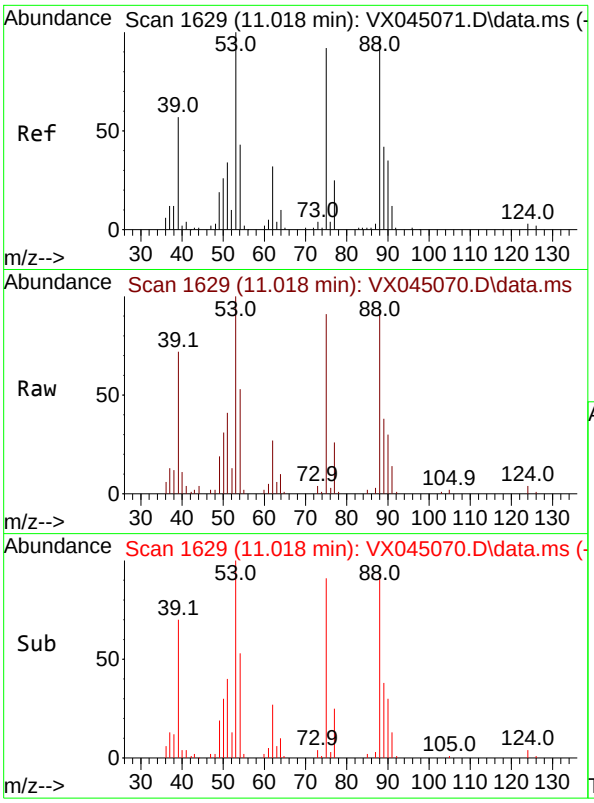


#80
1,3,5-Trimethylbenzene
Concen: 20.581 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

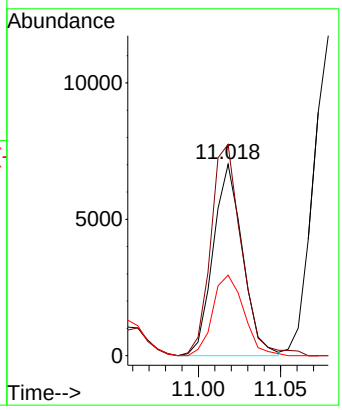
Tgt Ion: 75 Resp: 875

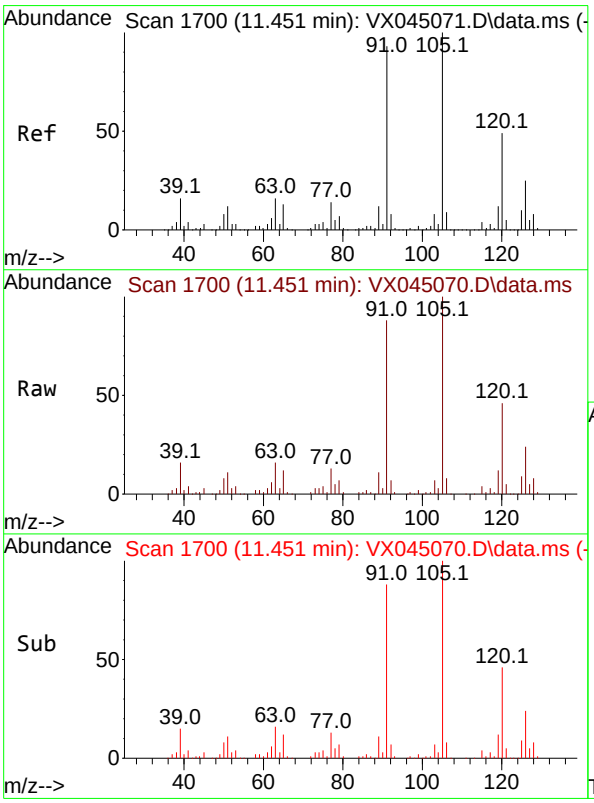
Ion	Ratio	Lower	Upper
75	100		
53	115.4	88.5	132.7
89	44.3	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

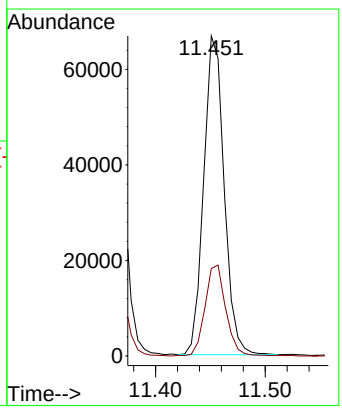


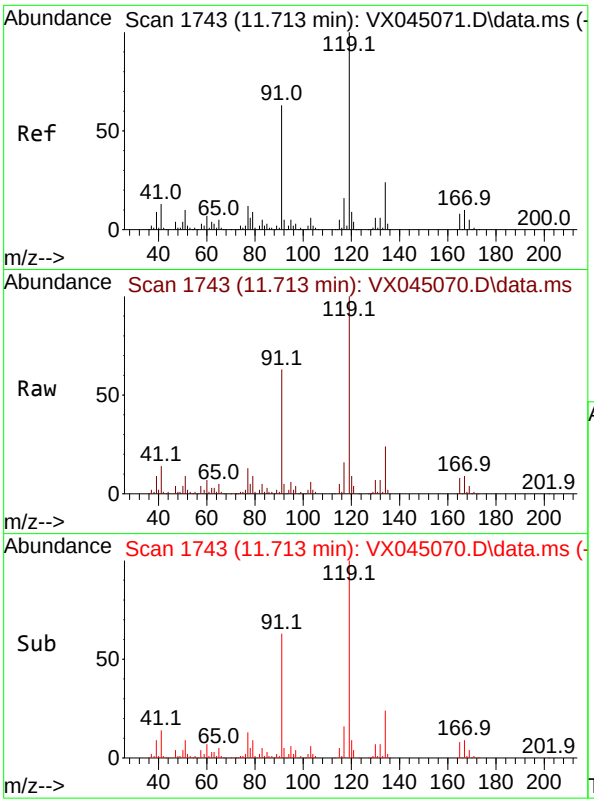


#82
4-Chlorotoluene
Concen: 19.443 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 86281

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4

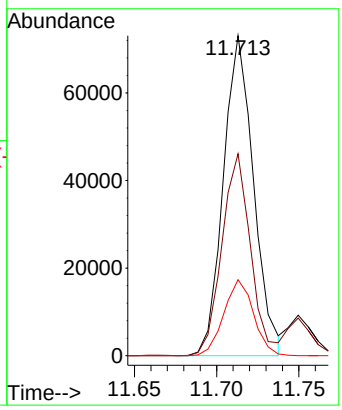




#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:119 Resp: 9367

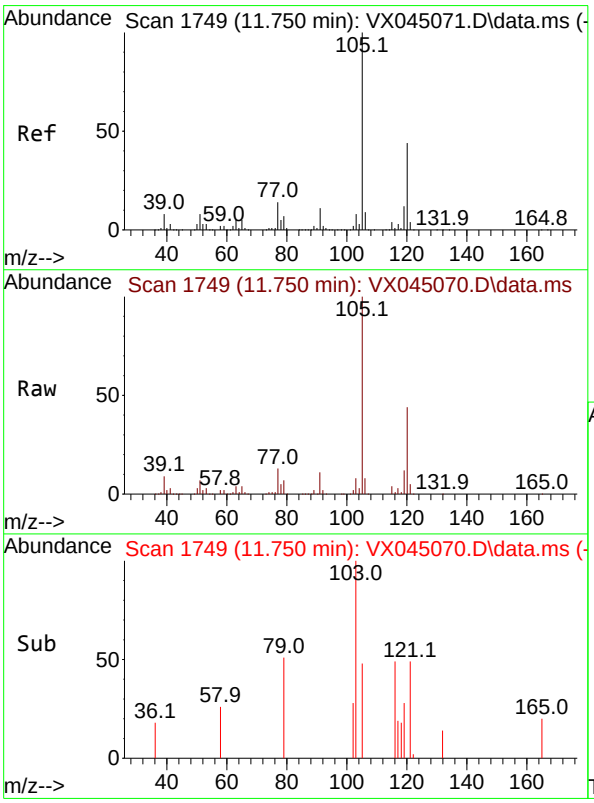
Ion	Ratio	Lower	Upper
119	100		
91	60.0	30.7	92.1
134	23.4	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

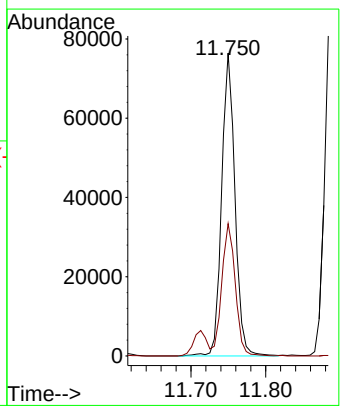
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

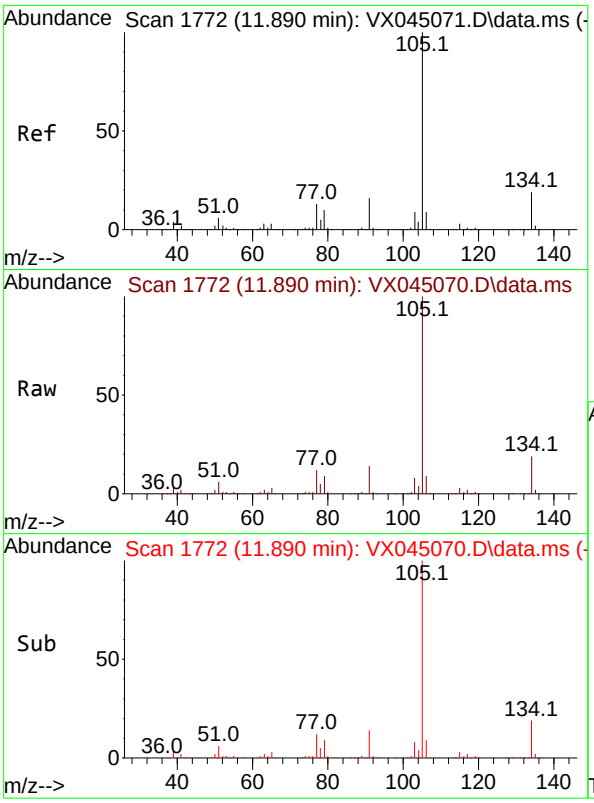


#84
1,2,4-Trimethylbenzene
Concen: 20.943 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

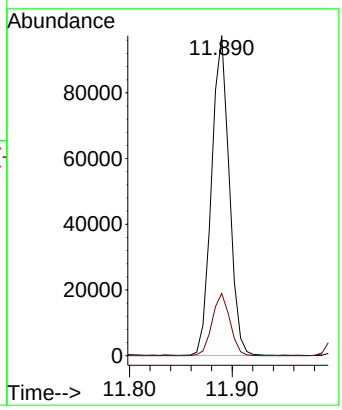
Tgt Ion:105 Resp: 11595

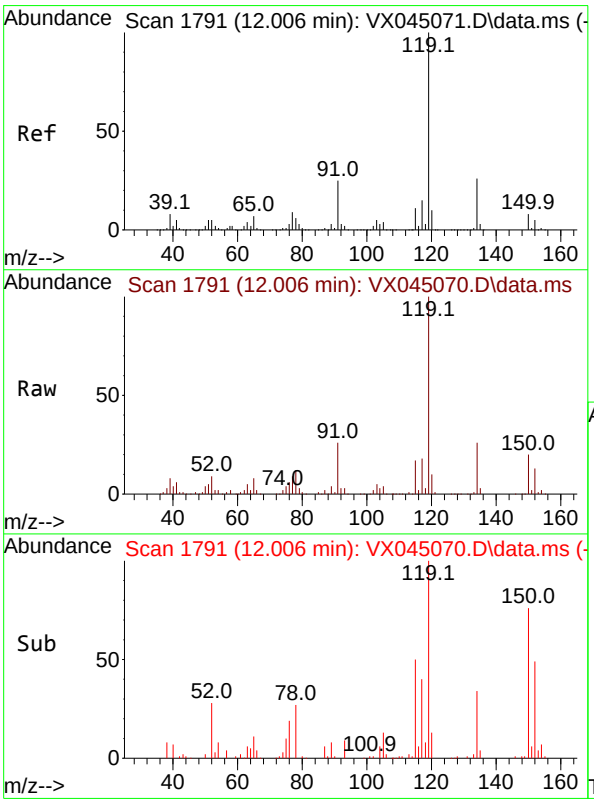
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

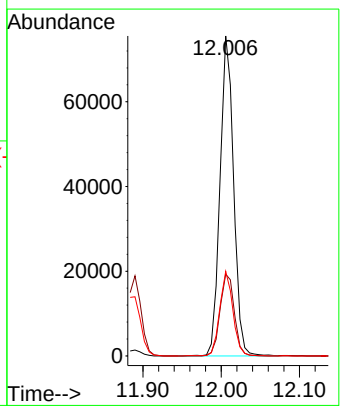


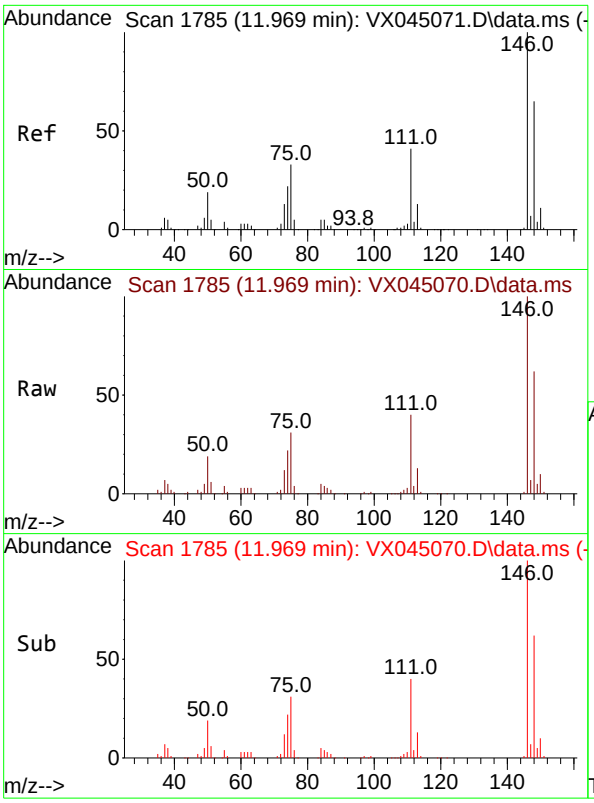


#86
p-Isopropyltoluene
Concen: 19.827 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

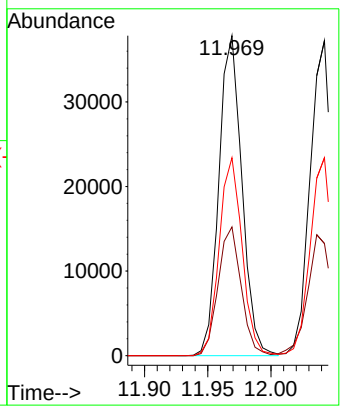




#87
1,3-Dichlorobenzene
Concen: 20.400 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 4793

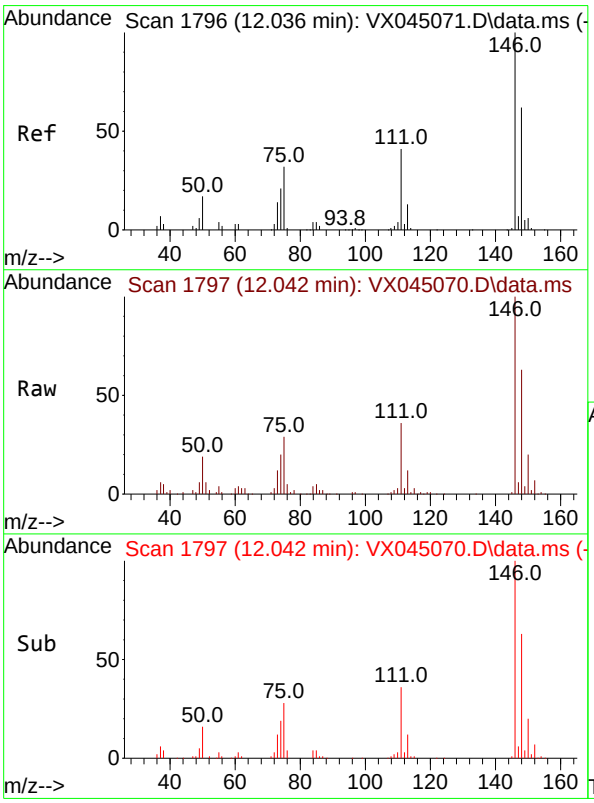
Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.1	63.4
148	61.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

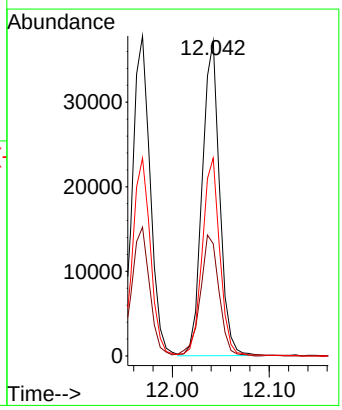
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

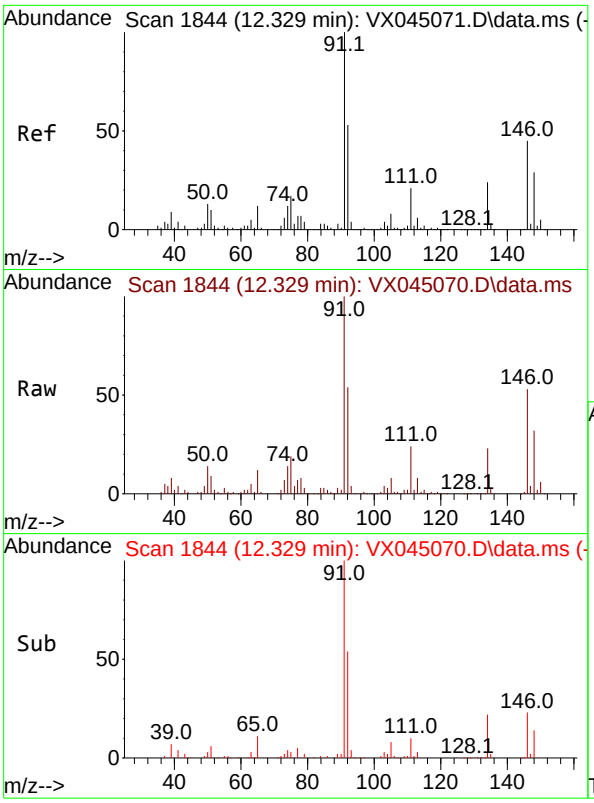


#88
1,4-Dichlorobenzene
Concen: 19.615 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

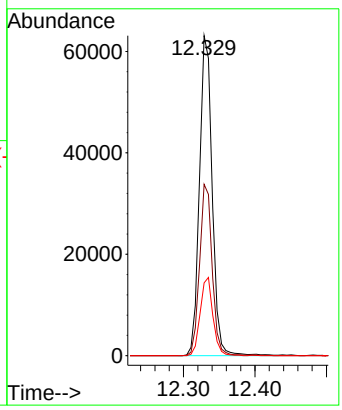
Tgt Ion: 91 Resp: 7813

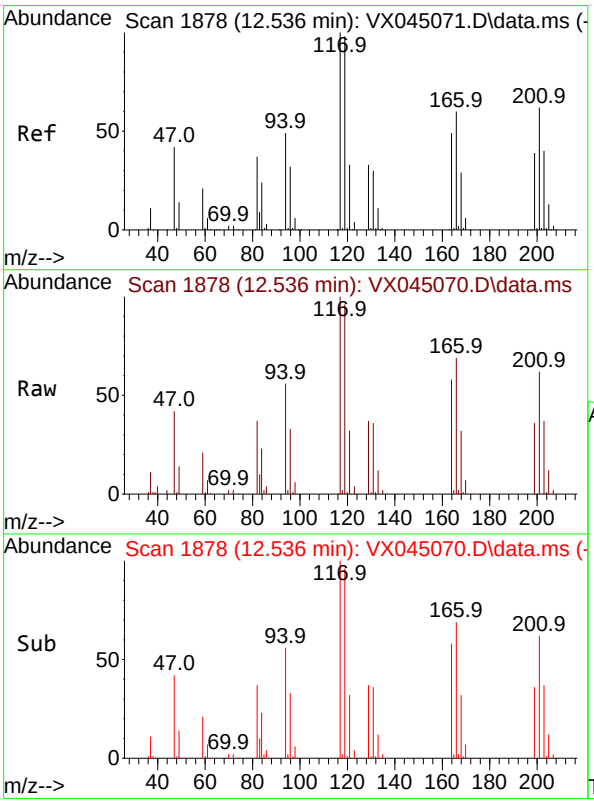
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	24.3	12.2	36.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

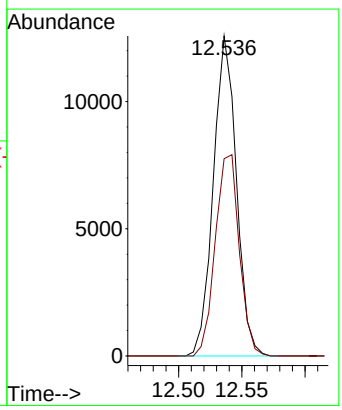


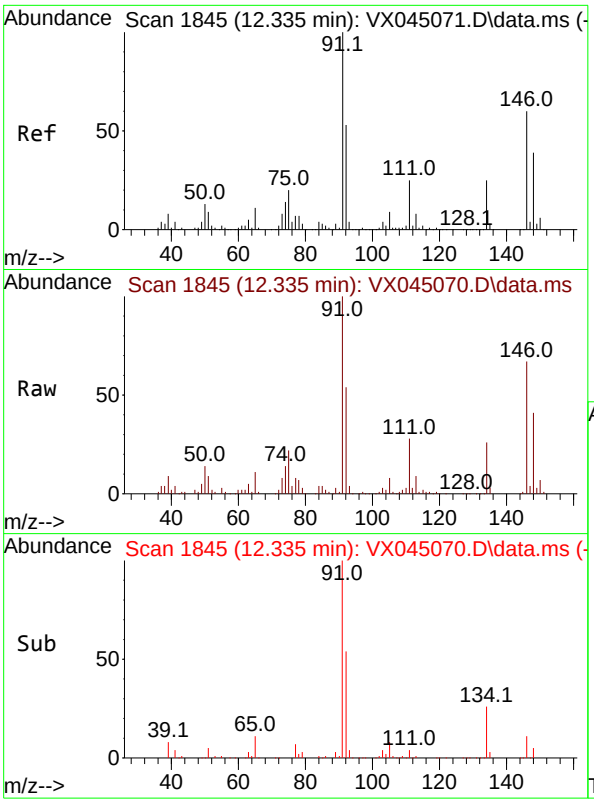


#90
Hexachloroethane
Concen: 18.483 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15919

Ion	Ratio	Lower	Upper
117	100		
201	65.6	31.9	95.9

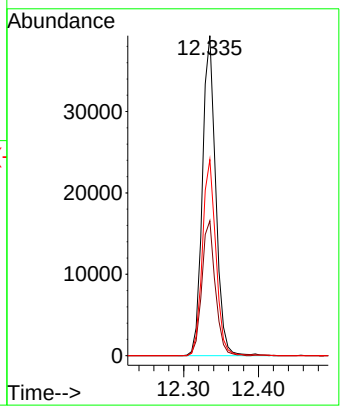




#91
1,2-Dichlorobenzene
Concen: 21.031 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:146 Resp: 4863

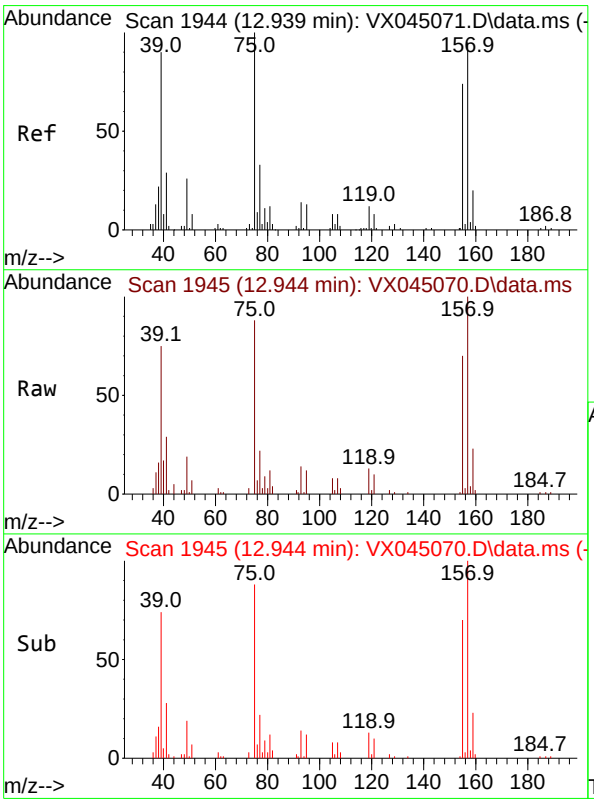
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	65.0
148	62.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

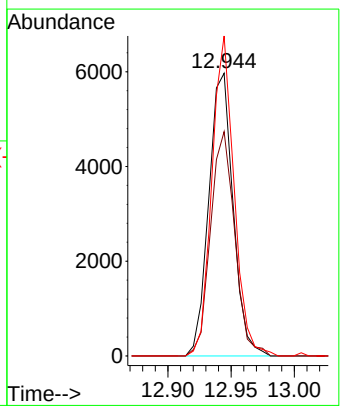
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

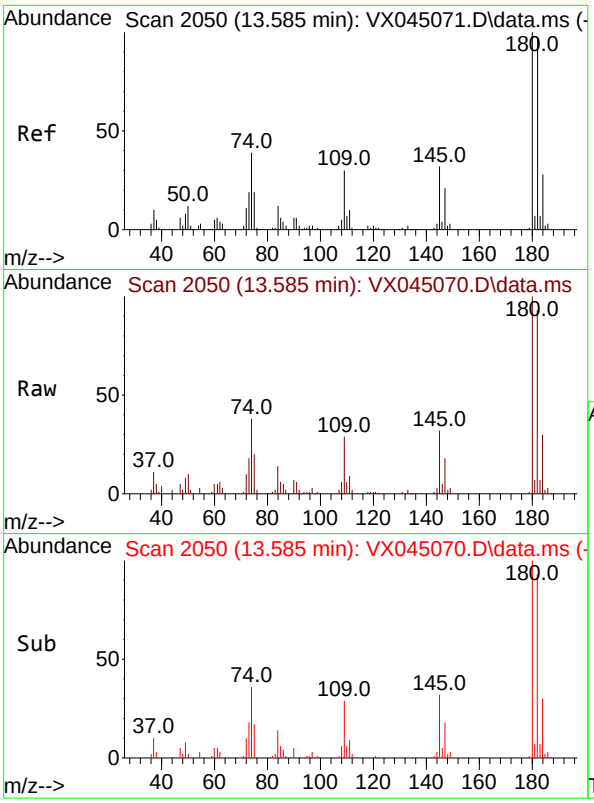


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.119 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

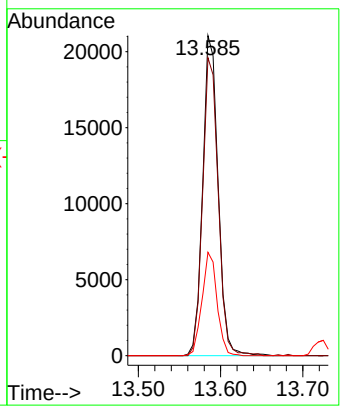




#93
1,2,4-Trichlorobenzene
Concen: 19.617 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:180 Resp: 2742

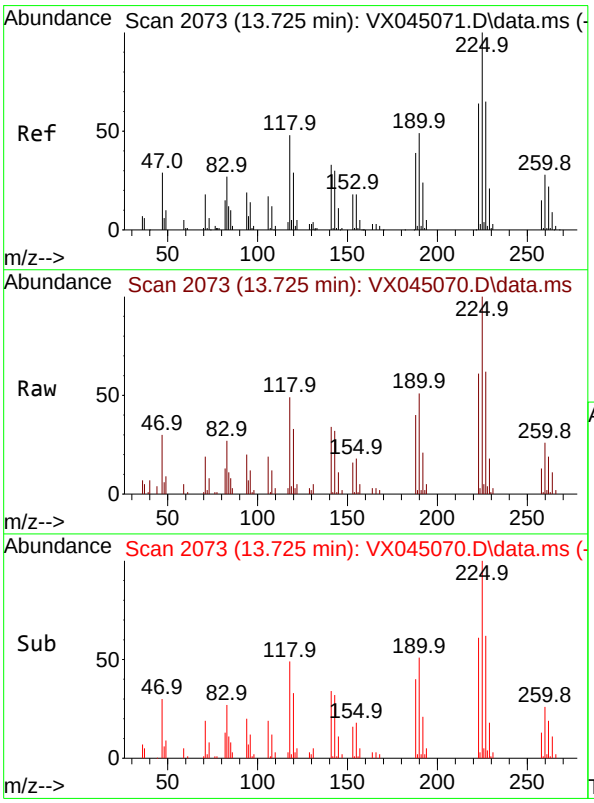
Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.3	141.9
145	31.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

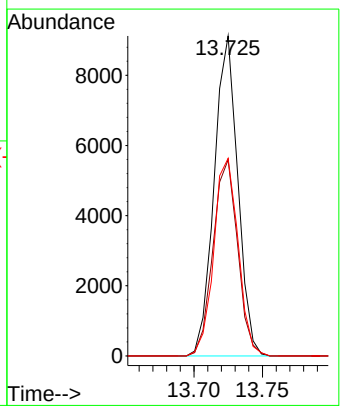
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

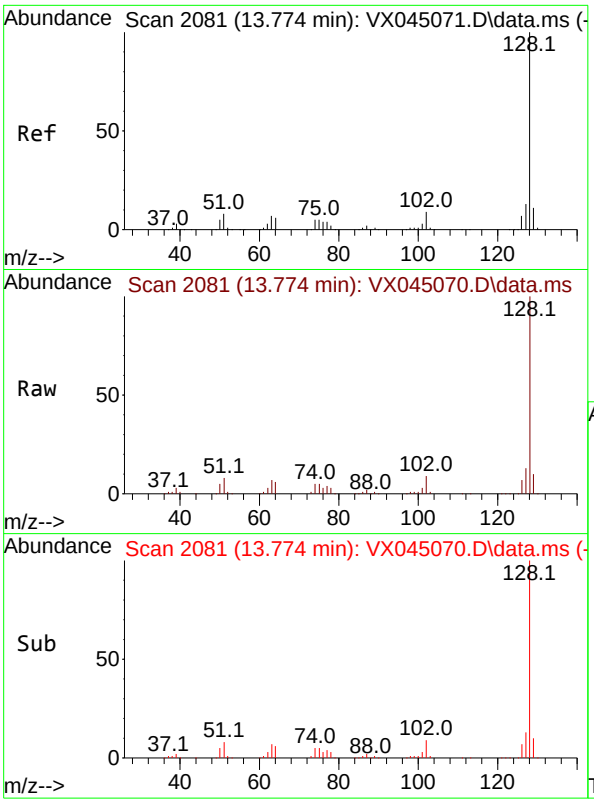


#94
Hexachlorobutadiene
Concen: 19.616 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

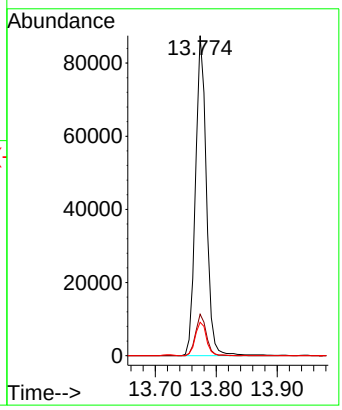




#95
Naphthalene
Concen: 21.279 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:128 Resp: 10835

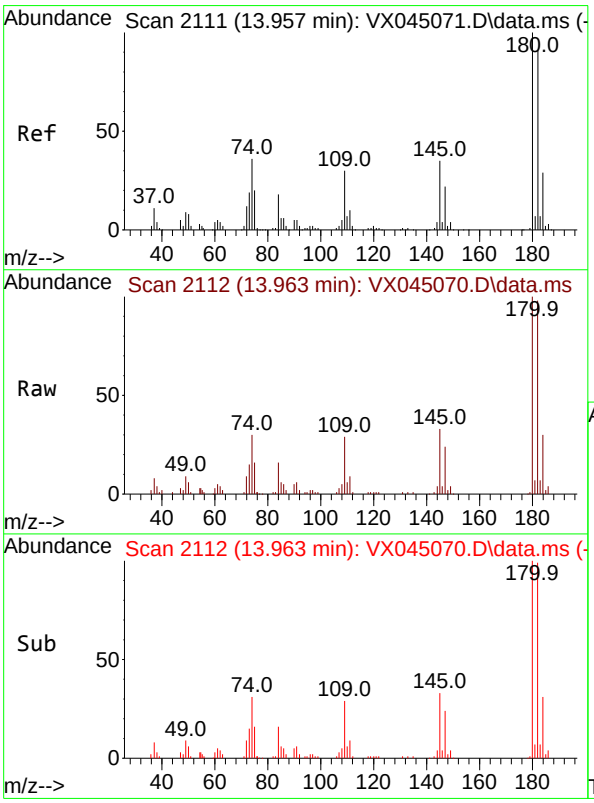
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

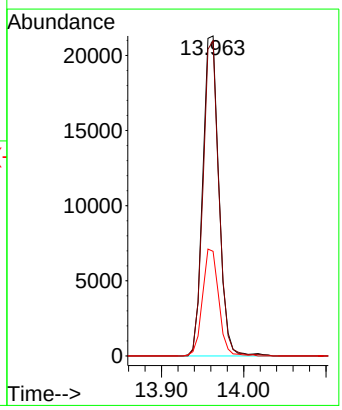
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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



Quantitation Report (QT Reviewed)

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

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)
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

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

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

ICAL Form

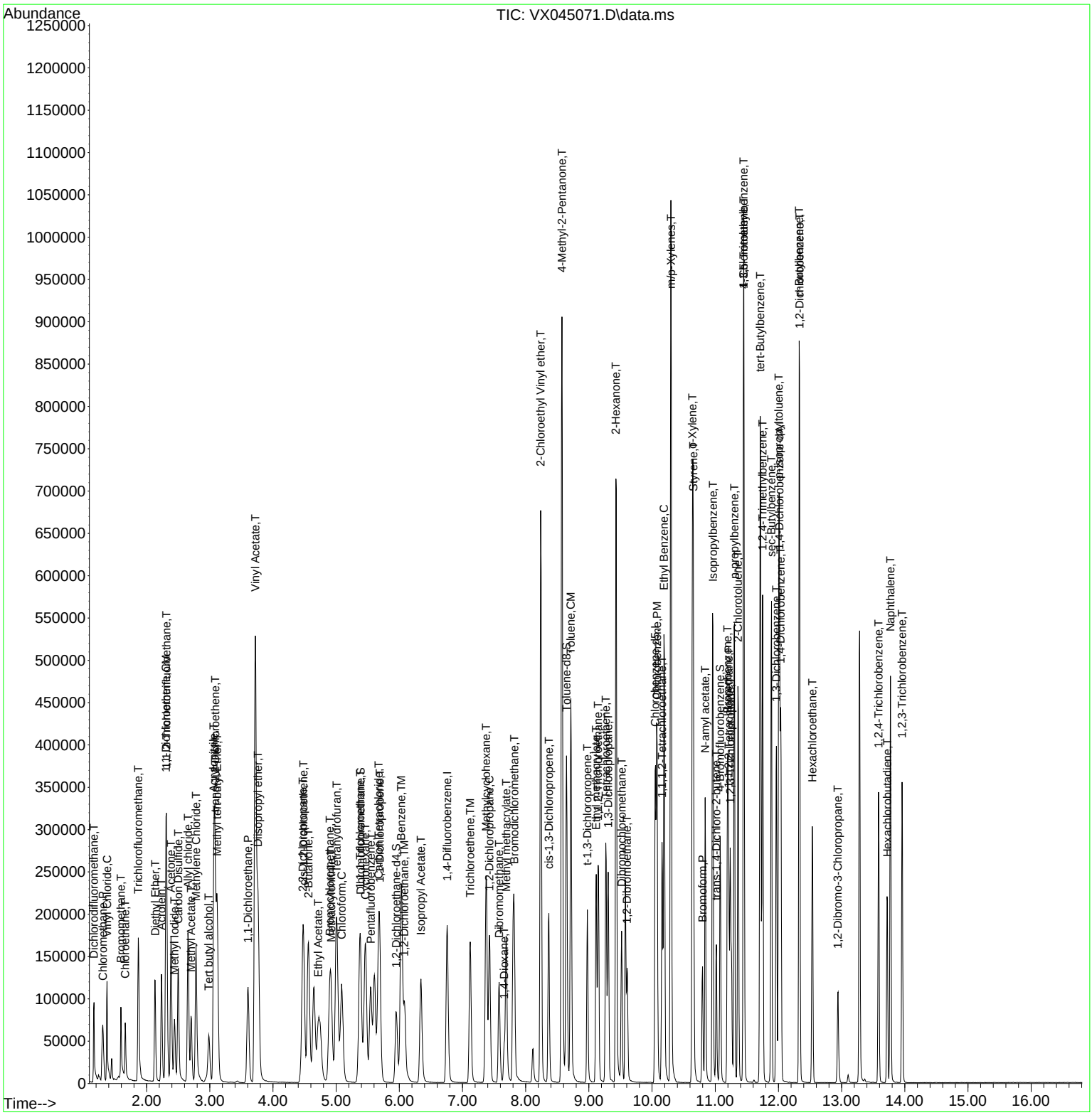
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Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

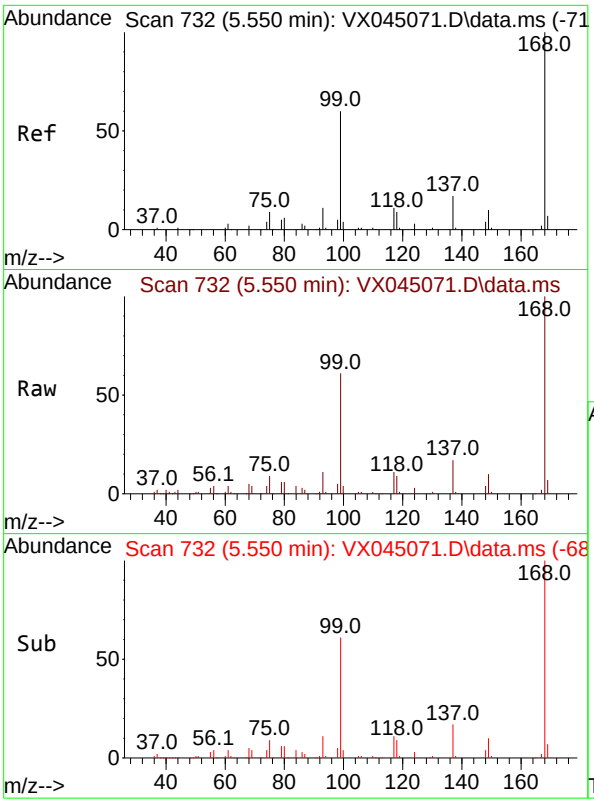
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

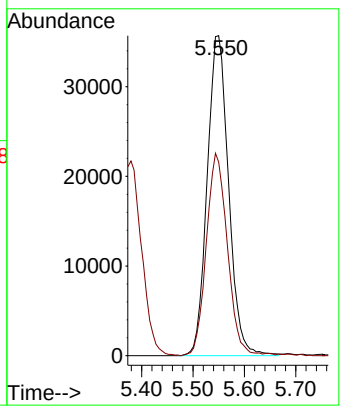




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:168 Resp: 10323

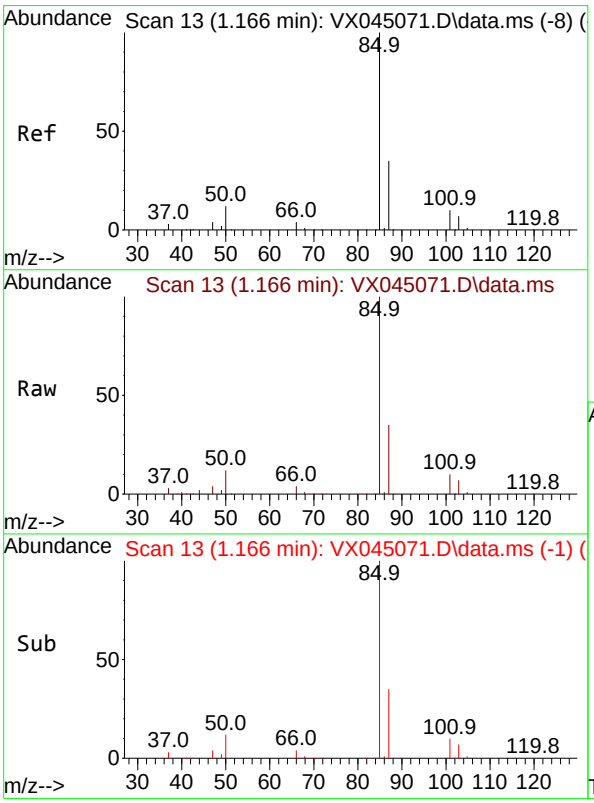
Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

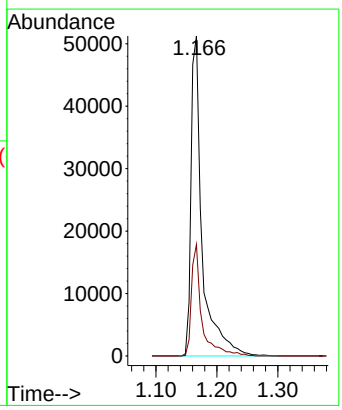
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

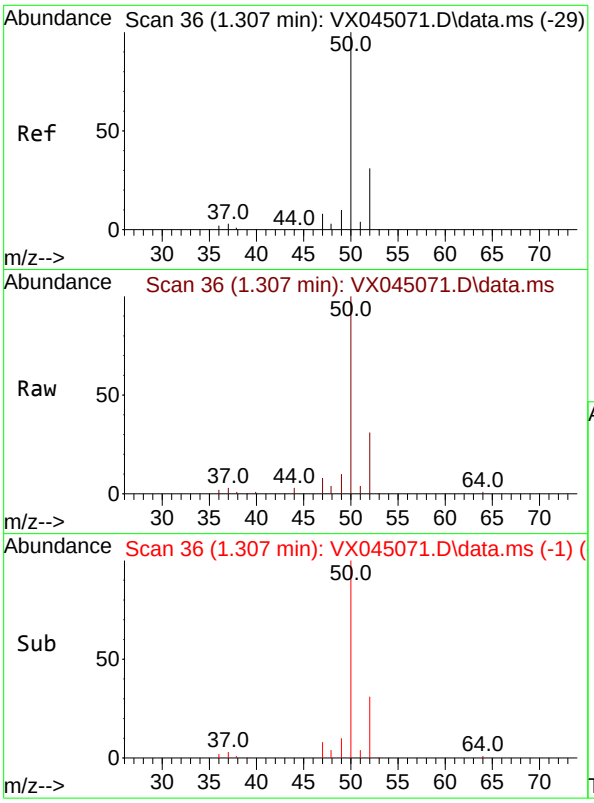


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 85 Resp: 64743

Ion	Ratio	Lower	Upper
85	100		
87	34.9	17.4	52.3

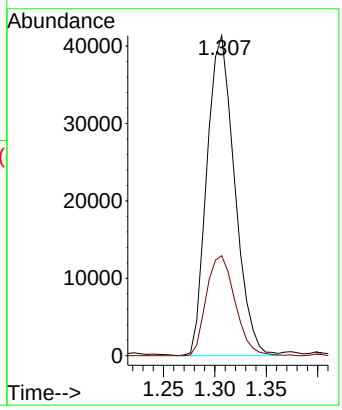




#3
Chloromethane
Concen: 44.894 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 50 Resp: 7772

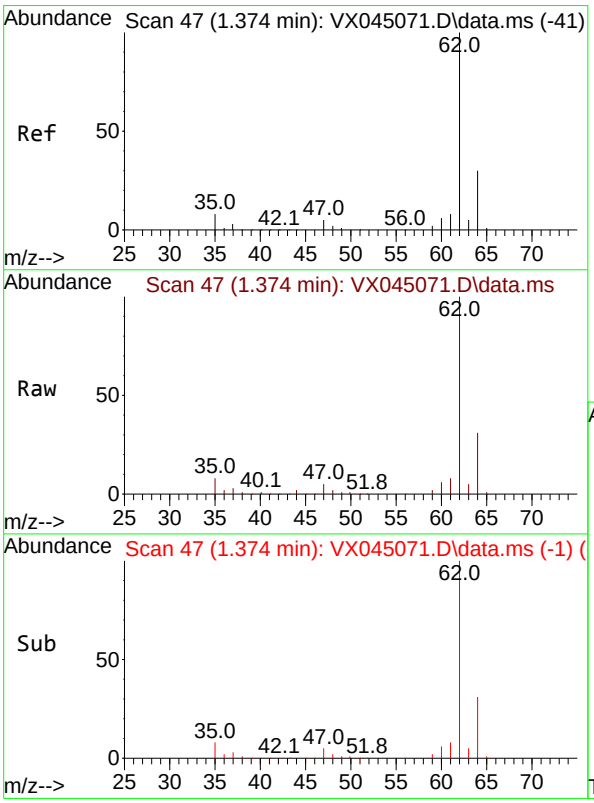
Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

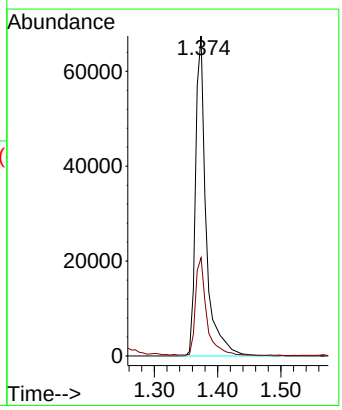
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

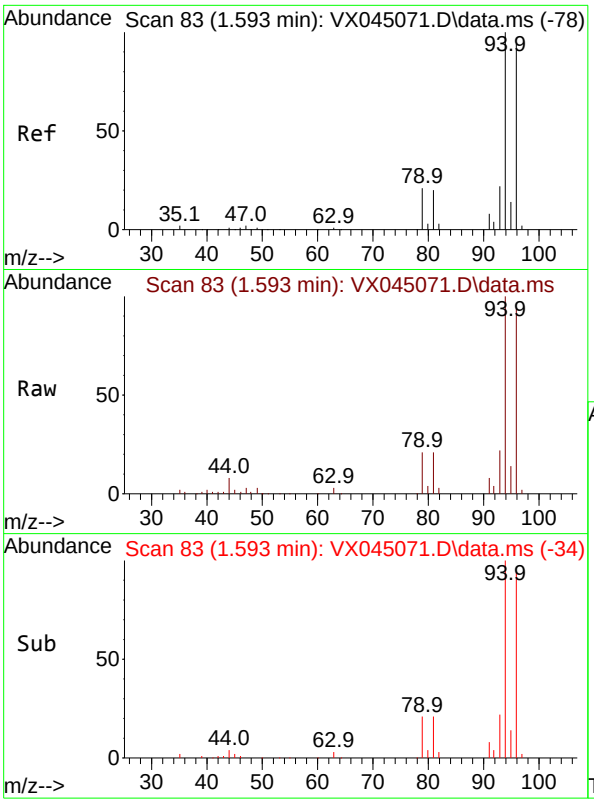


#4
Vinyl Chloride
Concen: 46.434 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 78524

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5

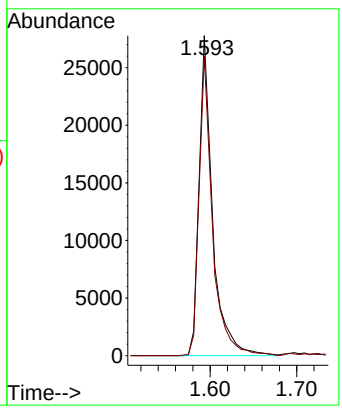




#5
Bromomethane
Concen: 57.066 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 94 Resp: 3016

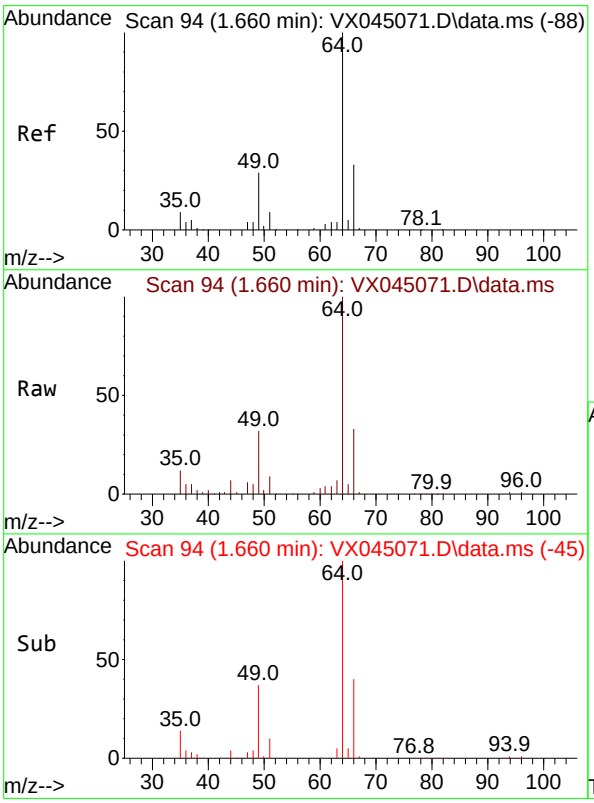
Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

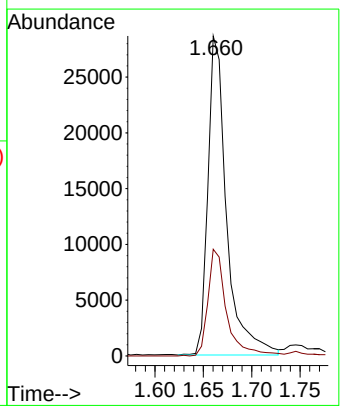
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

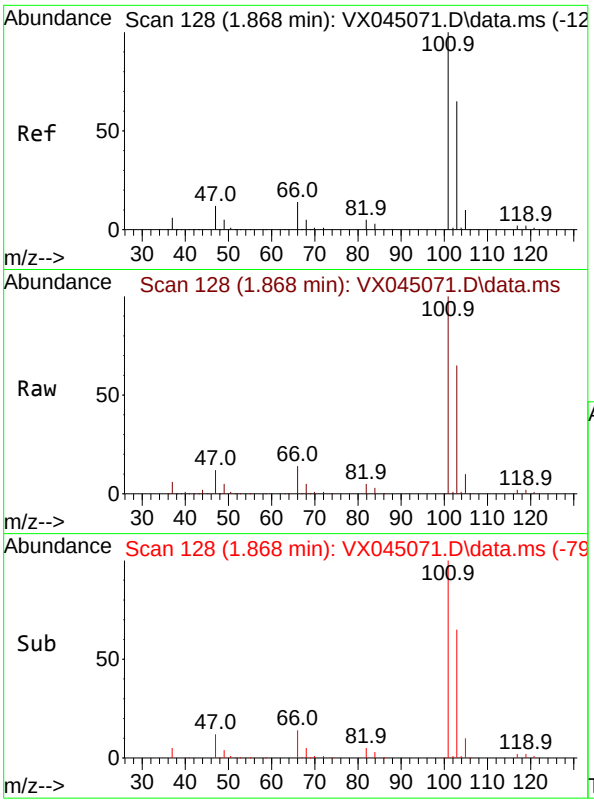


#6
Chloroethane
Concen: 59.750 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

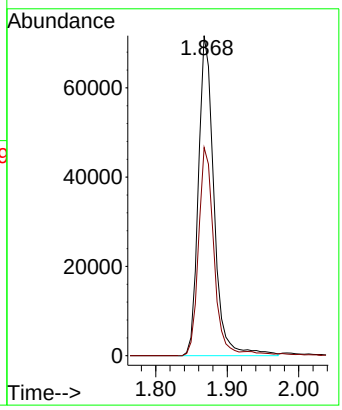
Tgt Ion:101 Resp: 10841

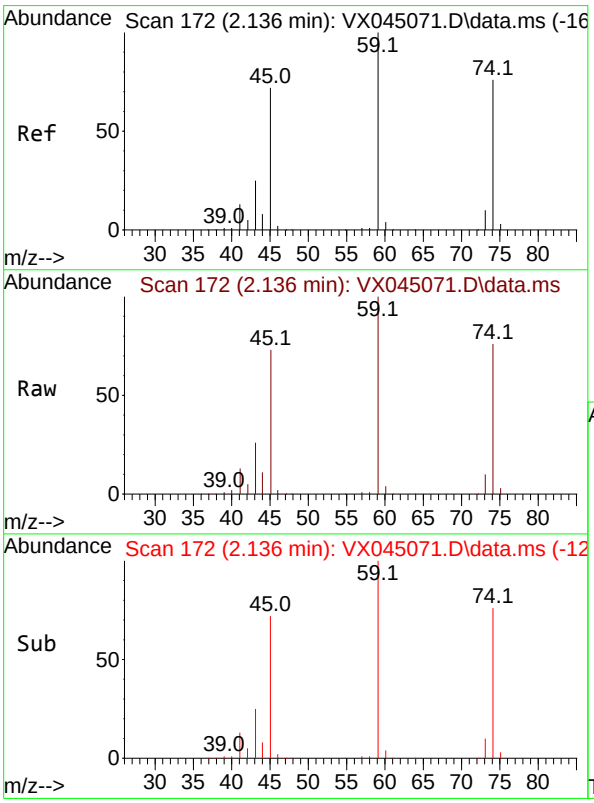
Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

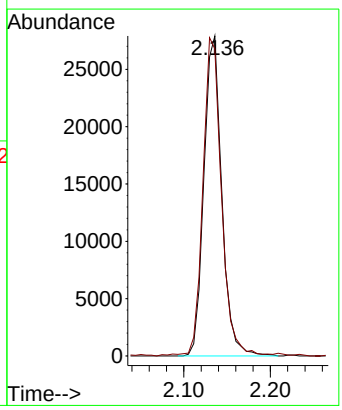


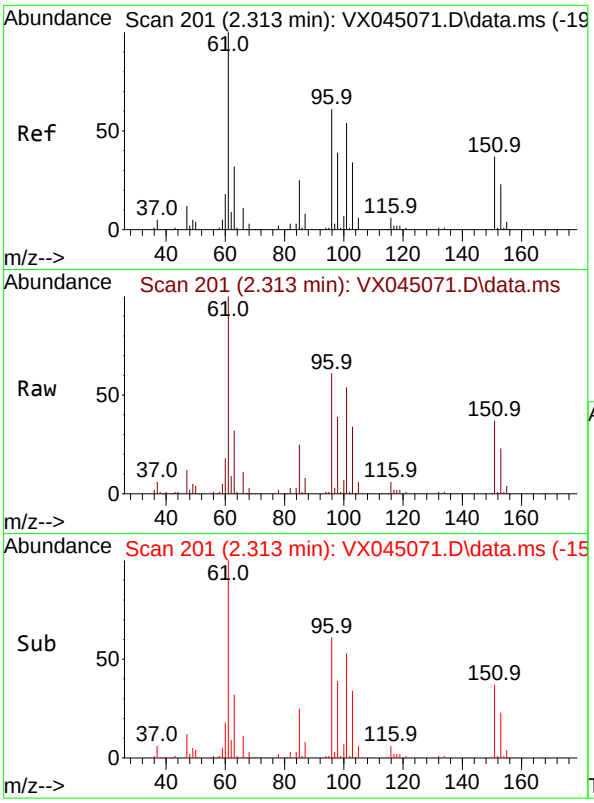


#8
Diethyl Ether
Concen: 50.814 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

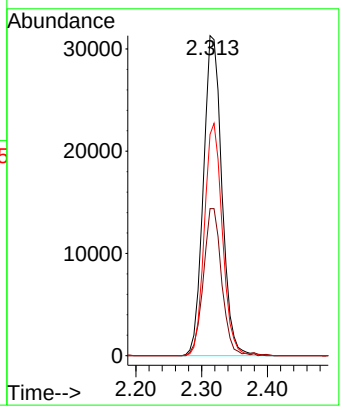
Tgt Ion:101 Resp: 6131

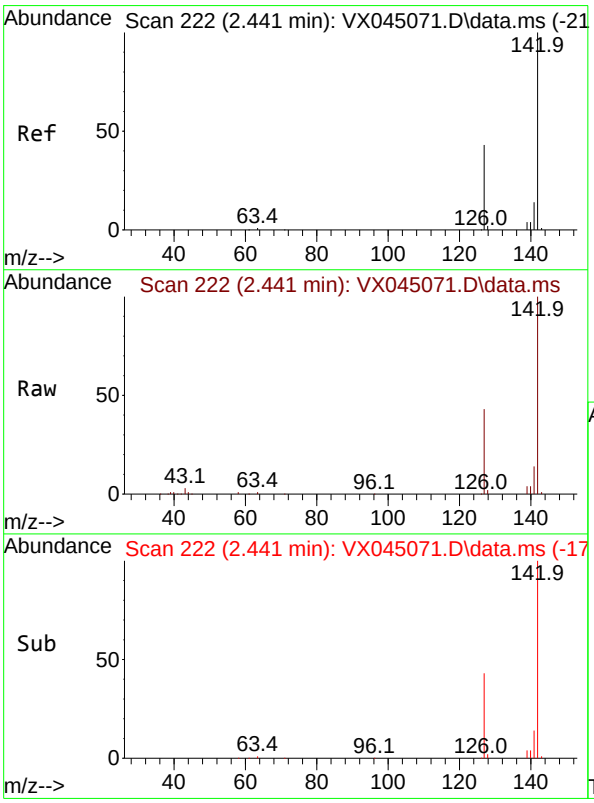
Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.2	54.4
151	70.5	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

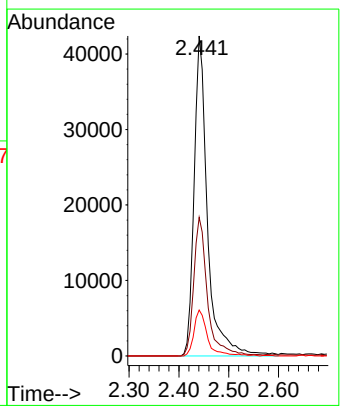


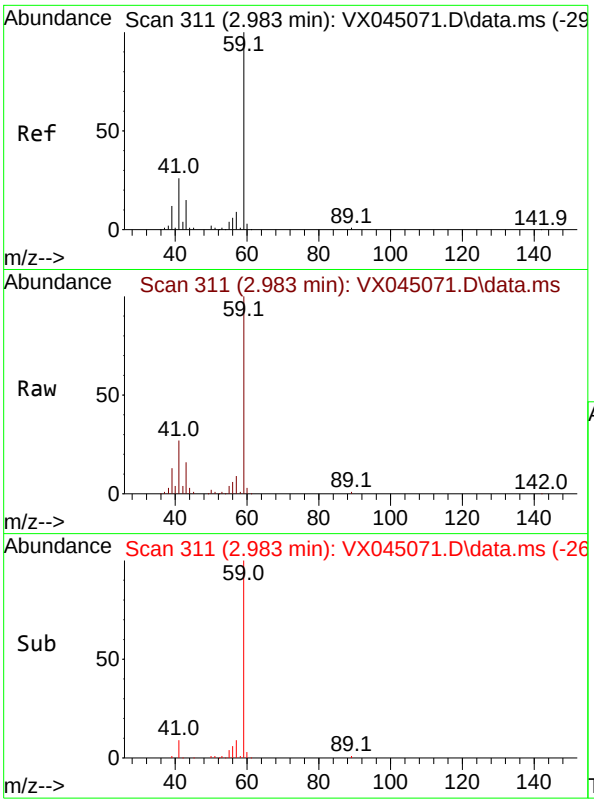


#10
Methyl Iodide
Concen: 47.854 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

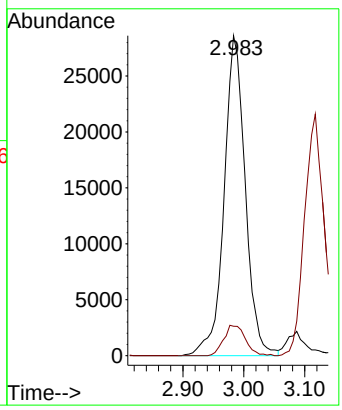




#11
Tert butyl alcohol
Concen: 247.496 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 59 Resp: 6913

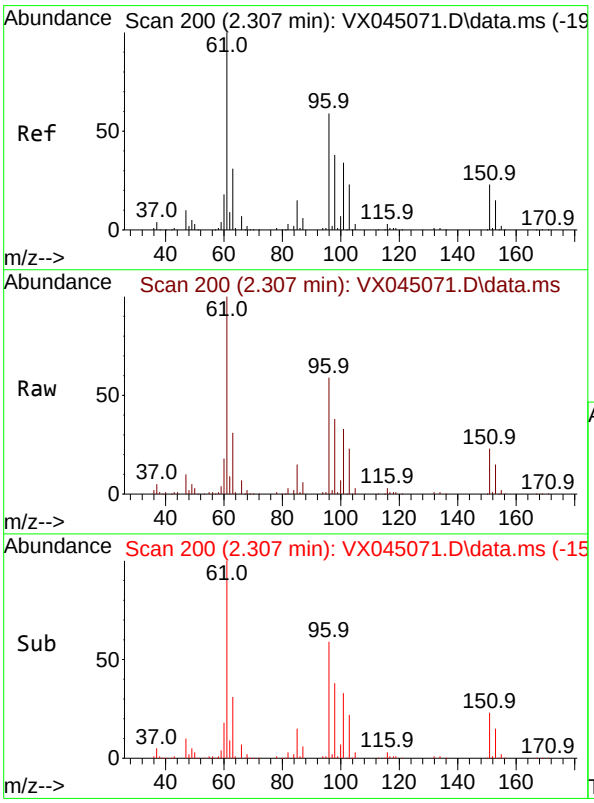
Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

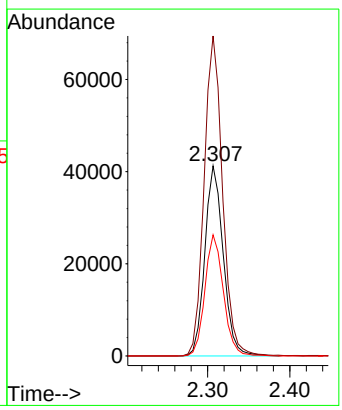
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

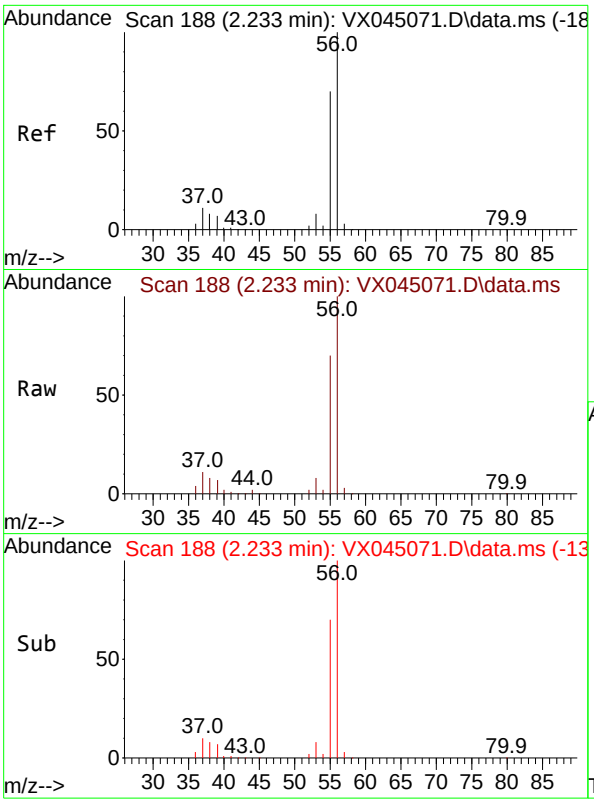


#12
1,1-Dichloroethene
Concen: 48.434 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

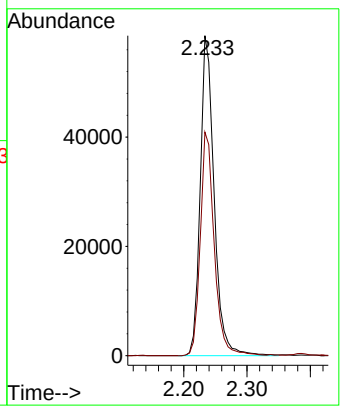




#13
Acrolein
Concen: 296.189 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 56 Resp: 8960

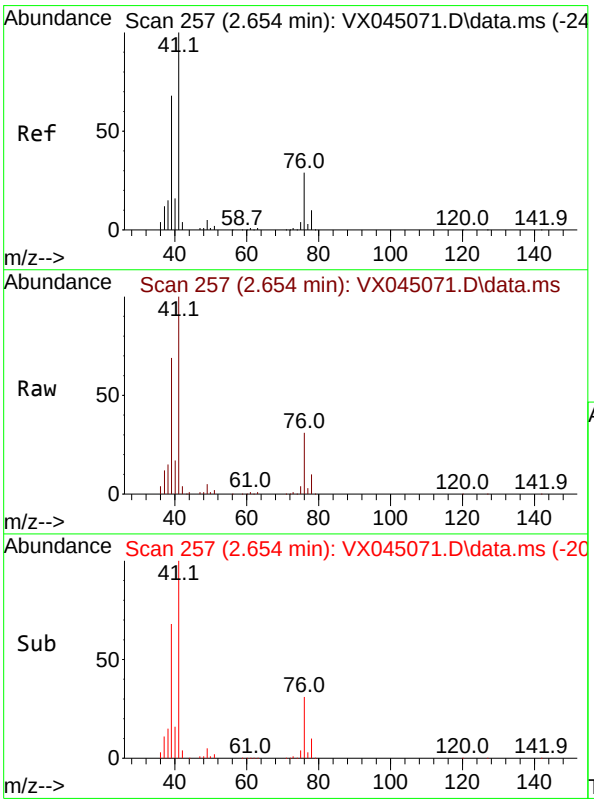
Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

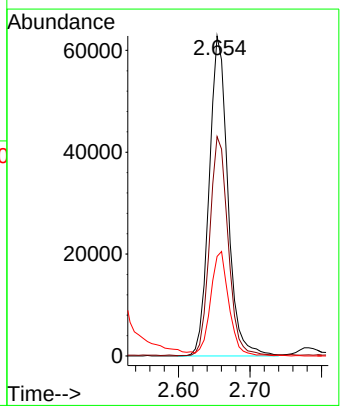
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

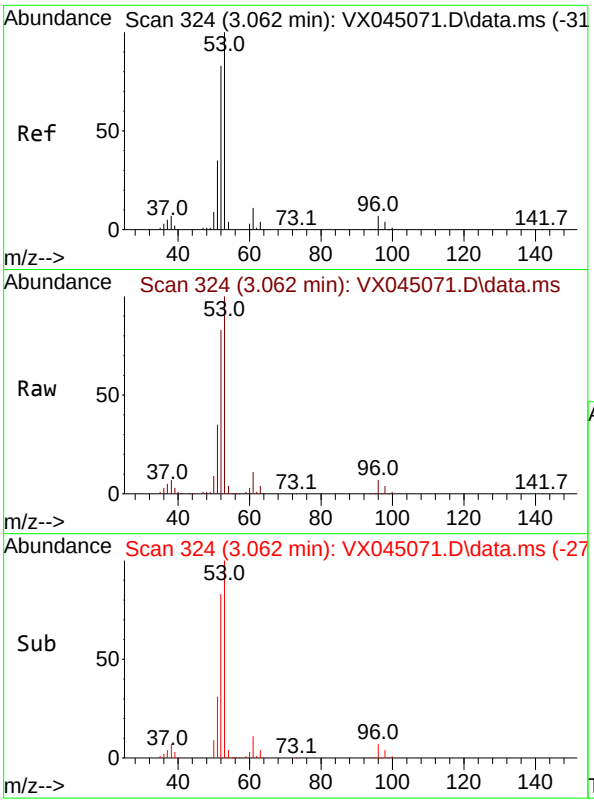


#14
Allyl chloride
Concen: 47.875 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

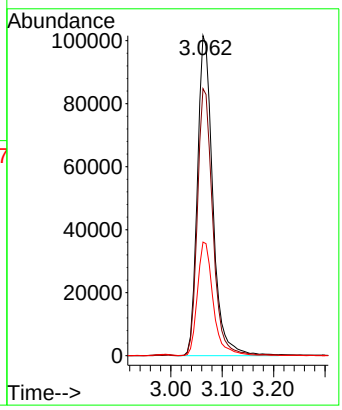




#15
Acrylonitrile
Concen: 278.519 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 53 Resp: 21145

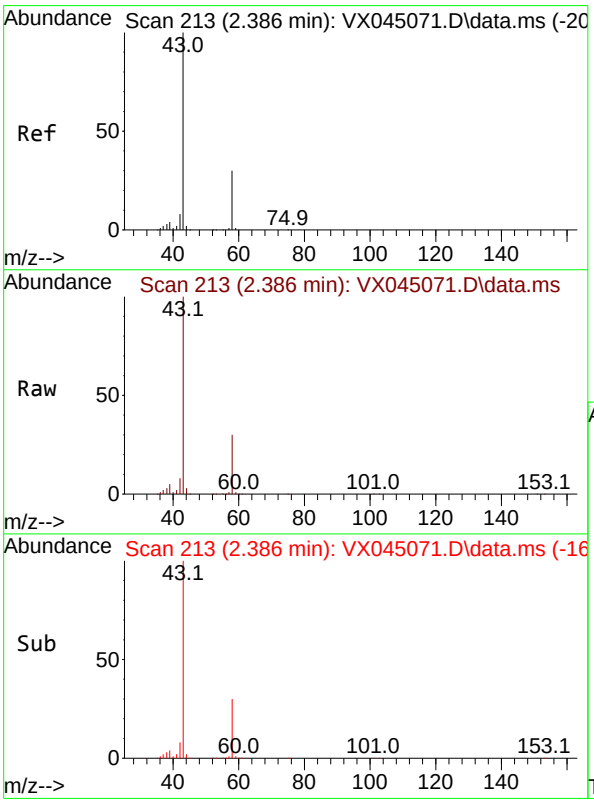
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	36.2	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

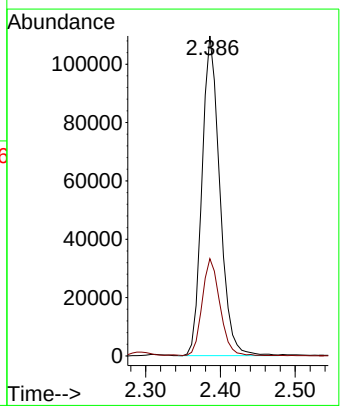
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

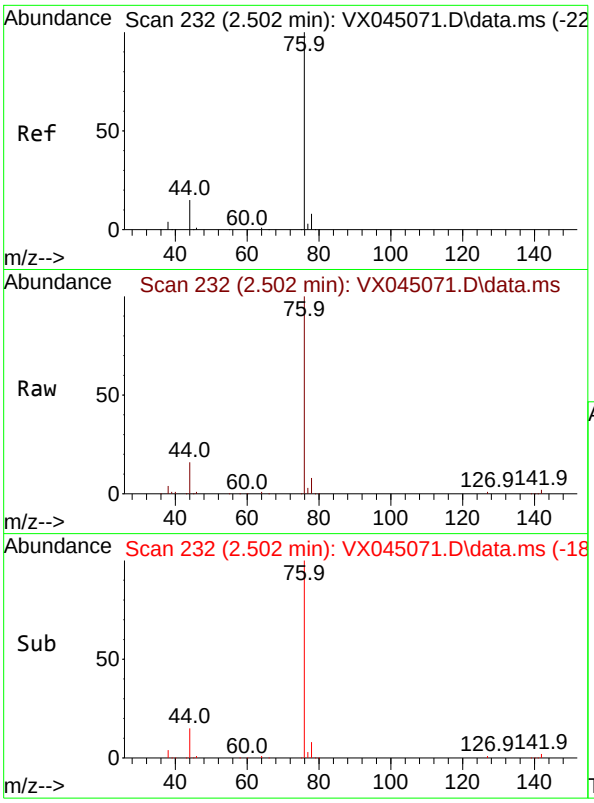


#16
Acetone
Concen: 289.130 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

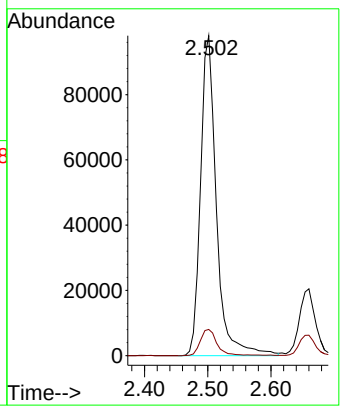
Tgt Ion: 76 Resp: 17135

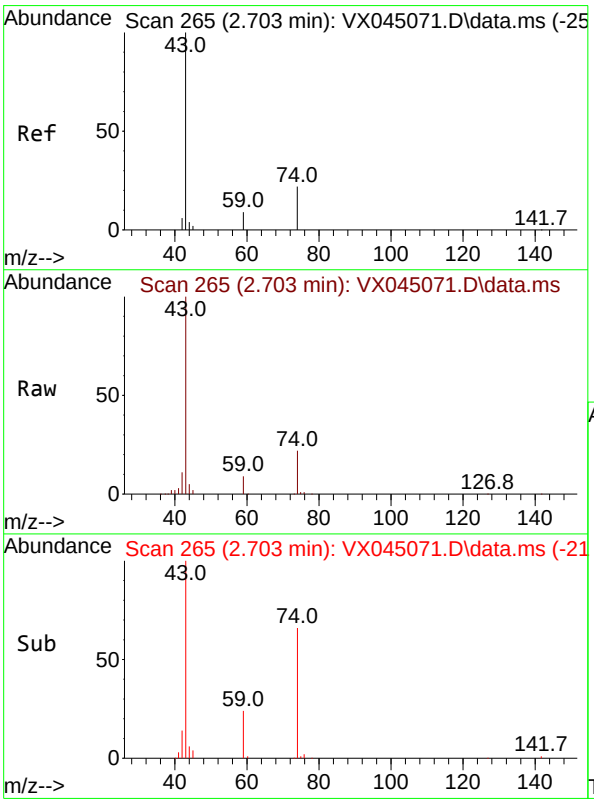
Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

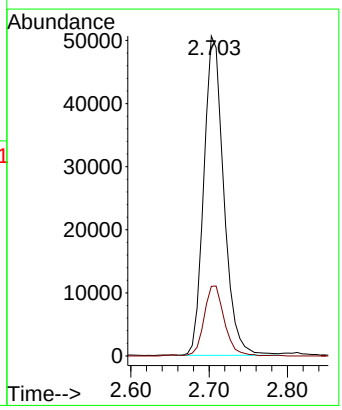


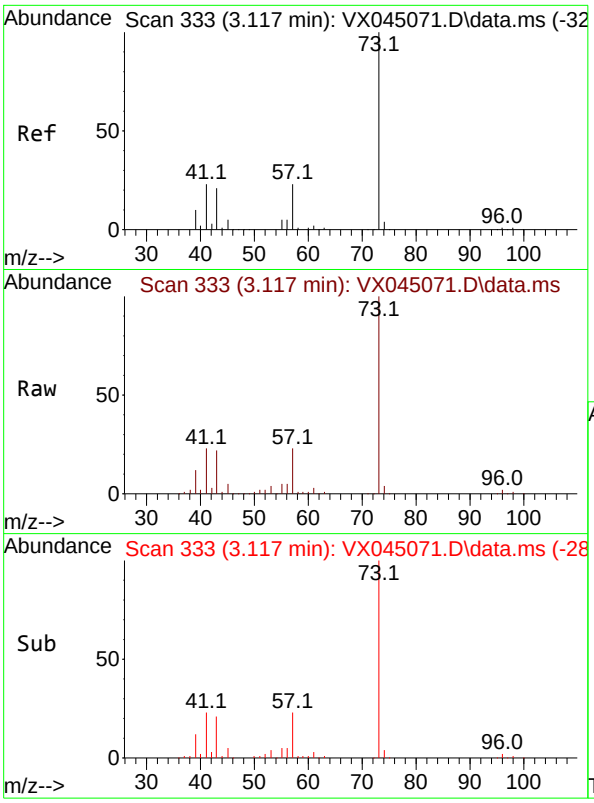


#18
Methyl Acetate
Concen: 47.359 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 89508

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2

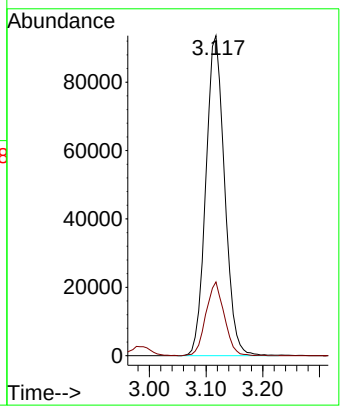




#19
Methyl tert-butyl Ether
Concen: 50.642 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 73 Resp: 21504

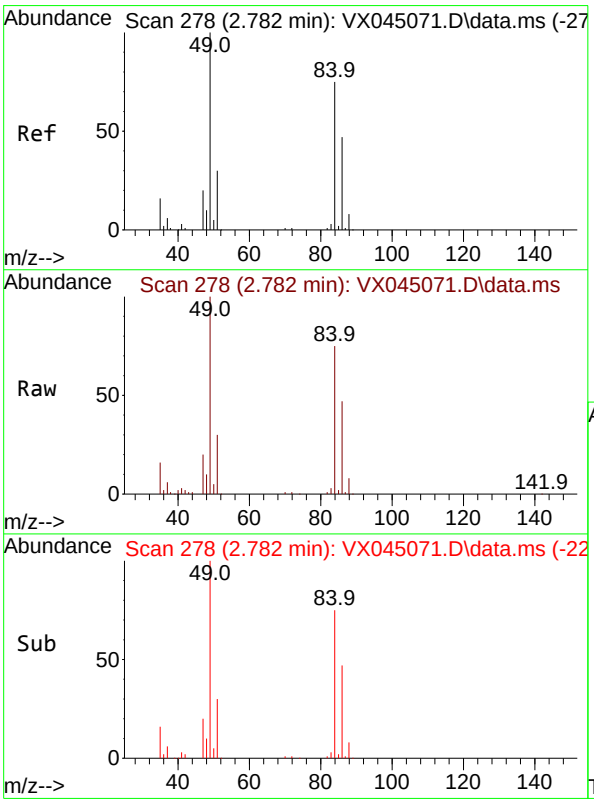
Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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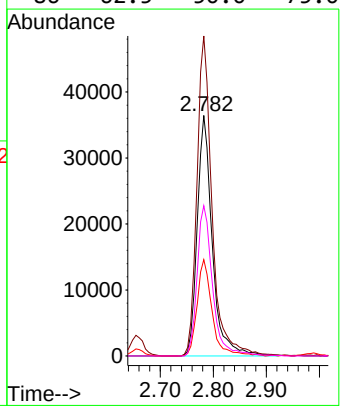
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

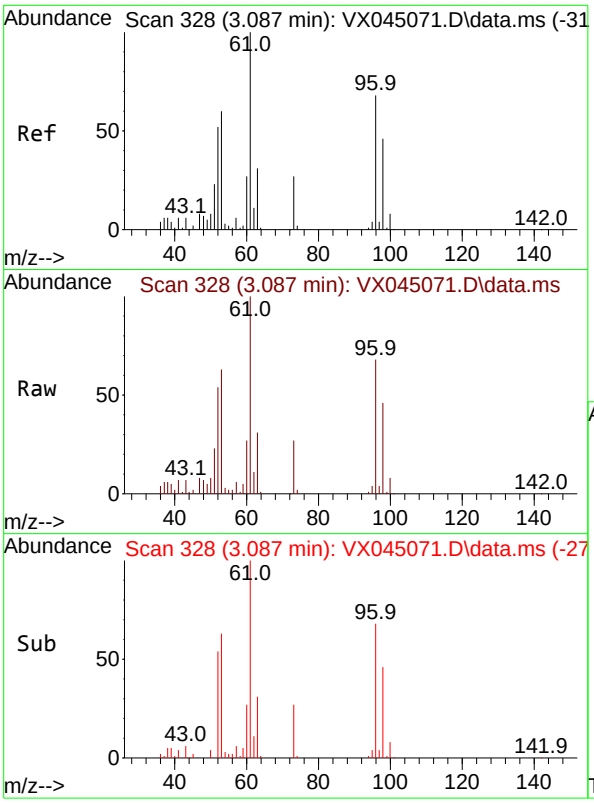


#20
Methylene Chloride
Concen: 48.500 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

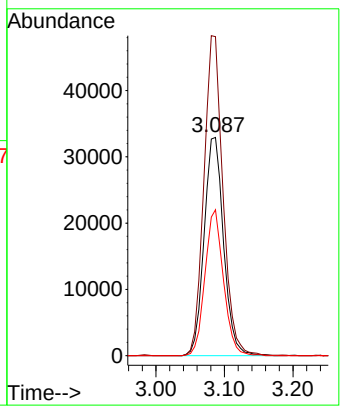
Tgt Ion: 96 Resp: 6509

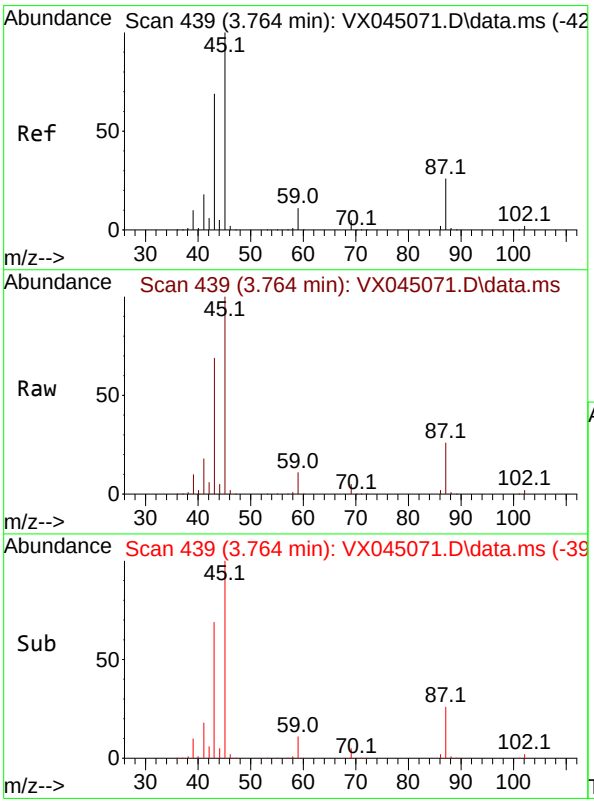
Ion	Ratio	Lower	Upper
96	100		
61	146.2	117.0	175.4
98	66.8	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

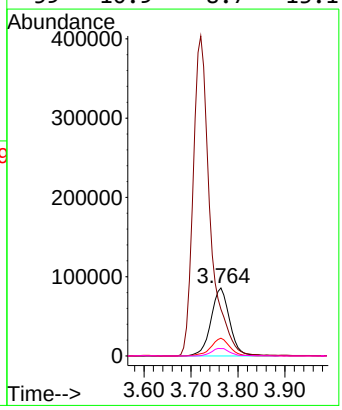


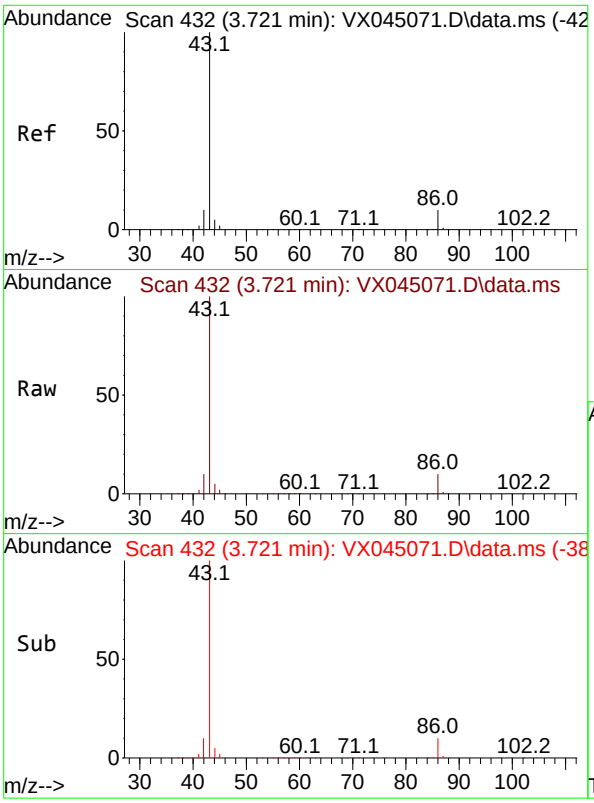


#22
Diisopropyl ether
Concen: 51.816 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

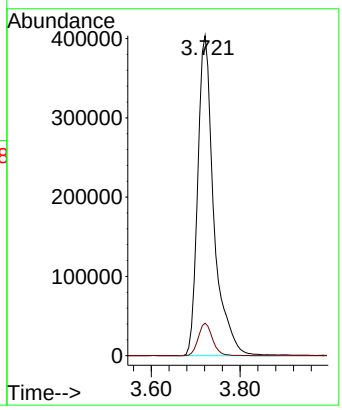
Tgt Ion: 43 Resp: 101863

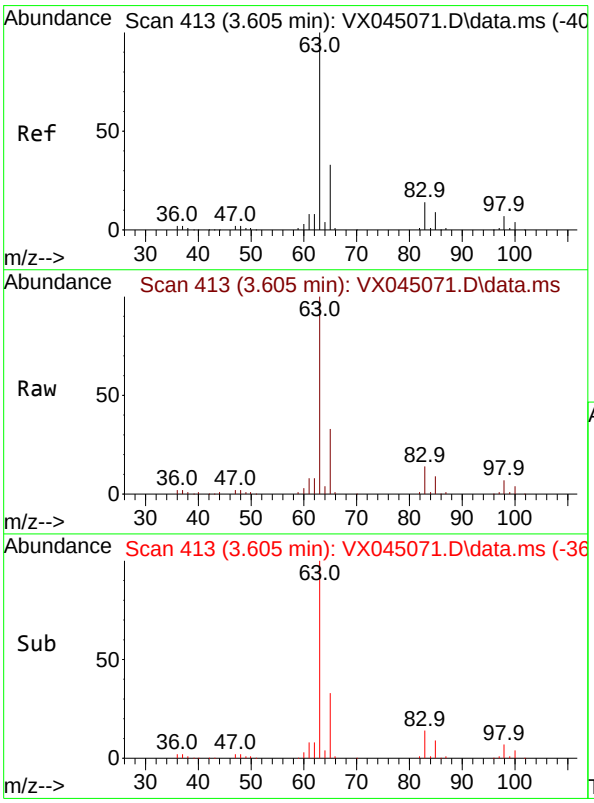
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

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

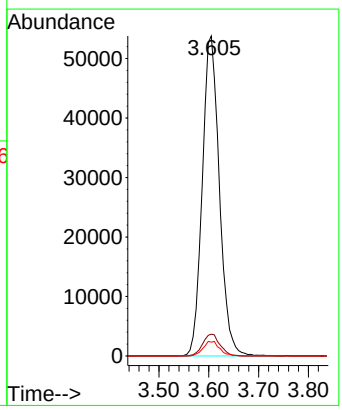


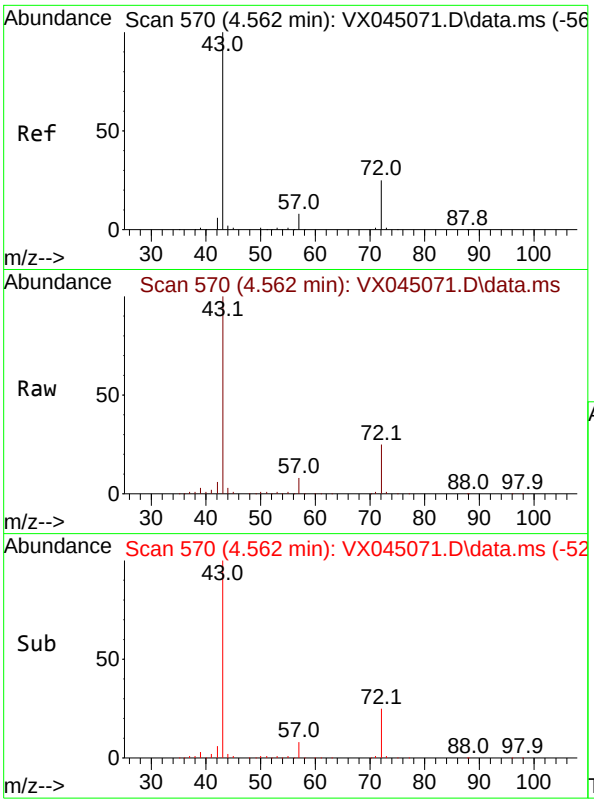


#24
1,1-Dichloroethane
Concen: 50.270 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

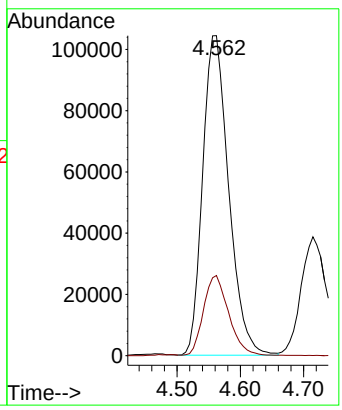




#25
2-Butanone
Concen: 295.330 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 29878

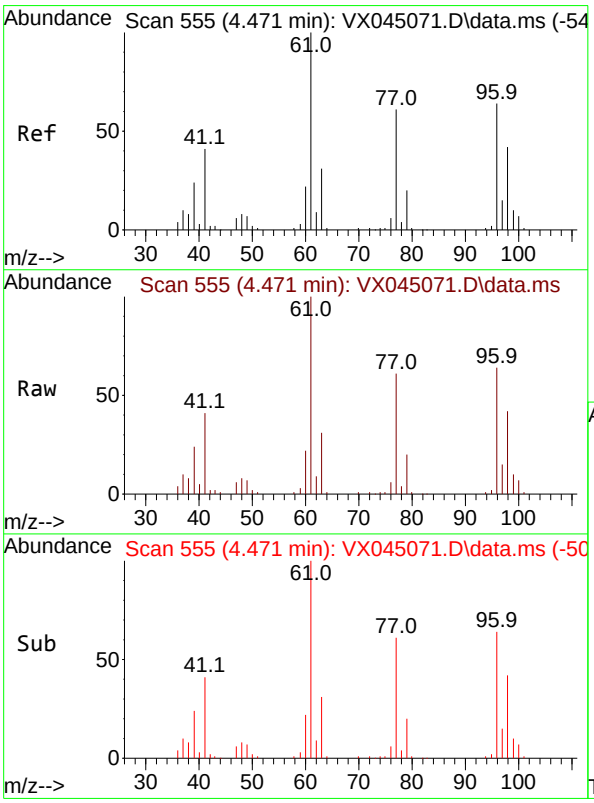
Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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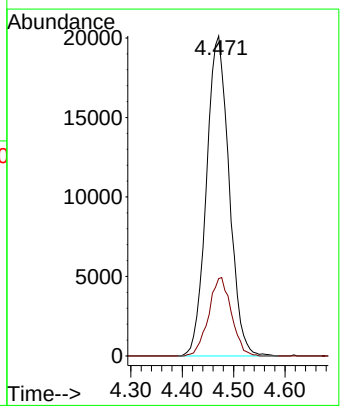
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

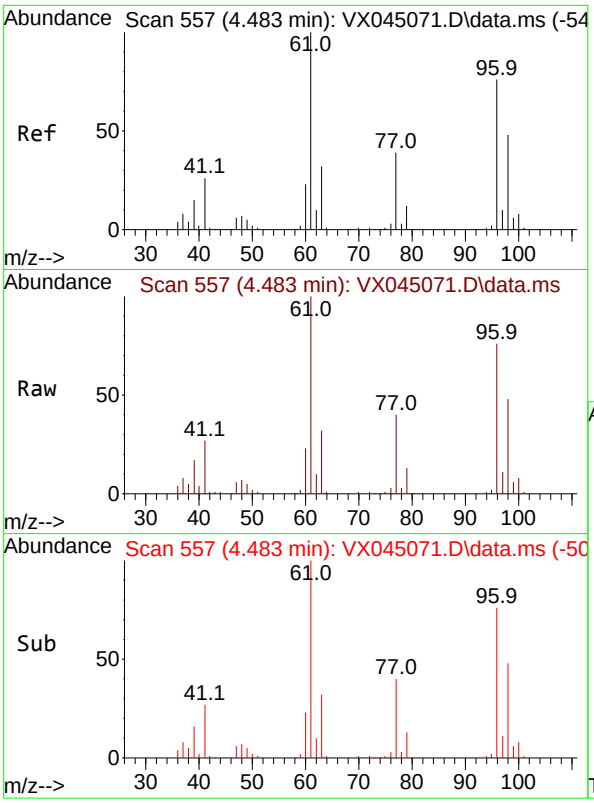


#26
2,2-Dichloropropane
Concen: 32.498 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

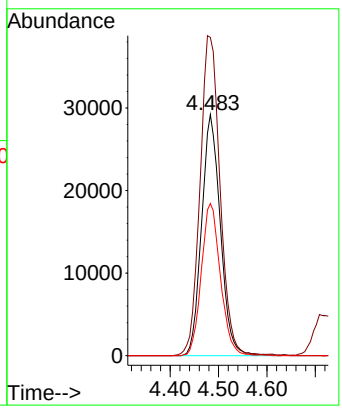
Tgt Ion: 96 Resp: 7865

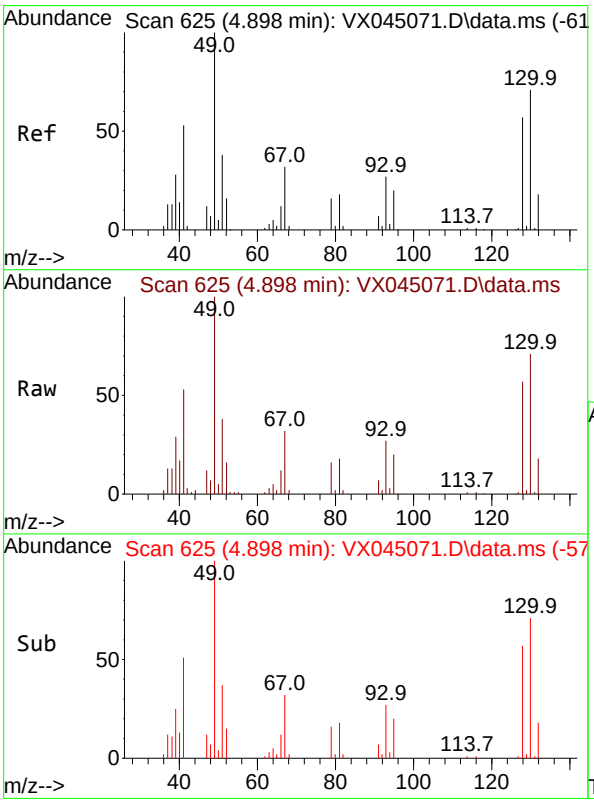
Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	283.2
98	64.0	0.0	128.0

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

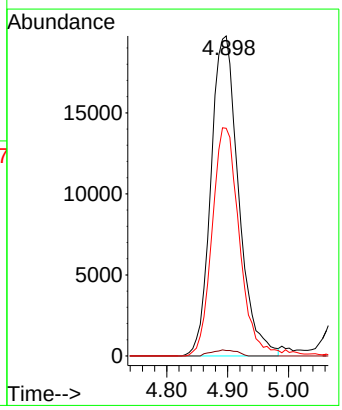


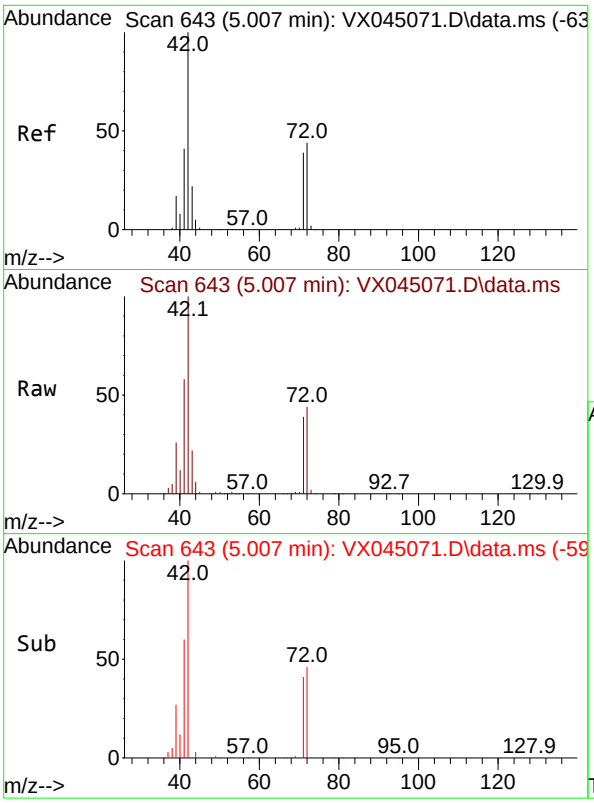


#28
Bromochloromethane
Concen: 50.643 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

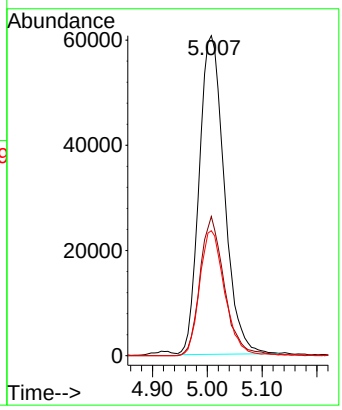




#29
Tetrahydrofuran
Concen: 287.345 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 42 Resp: 19260

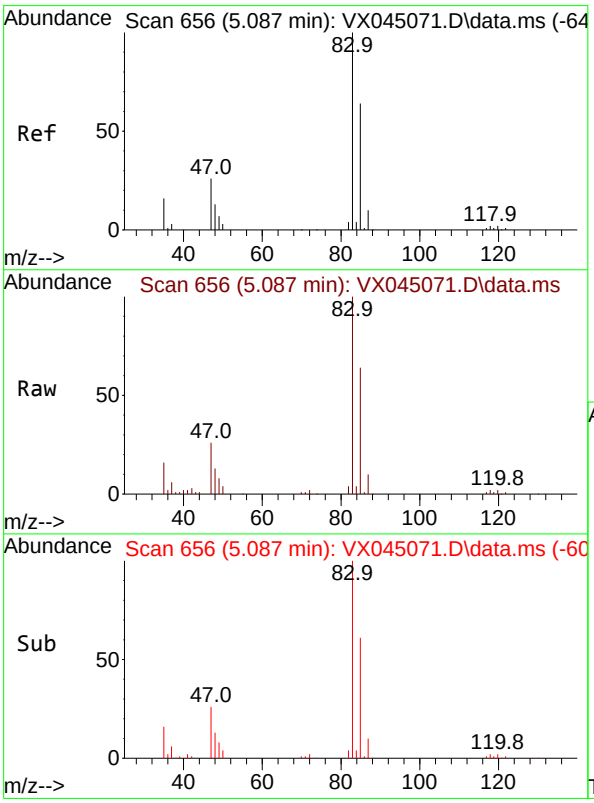
Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.2	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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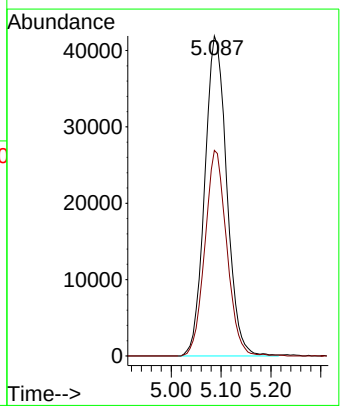
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

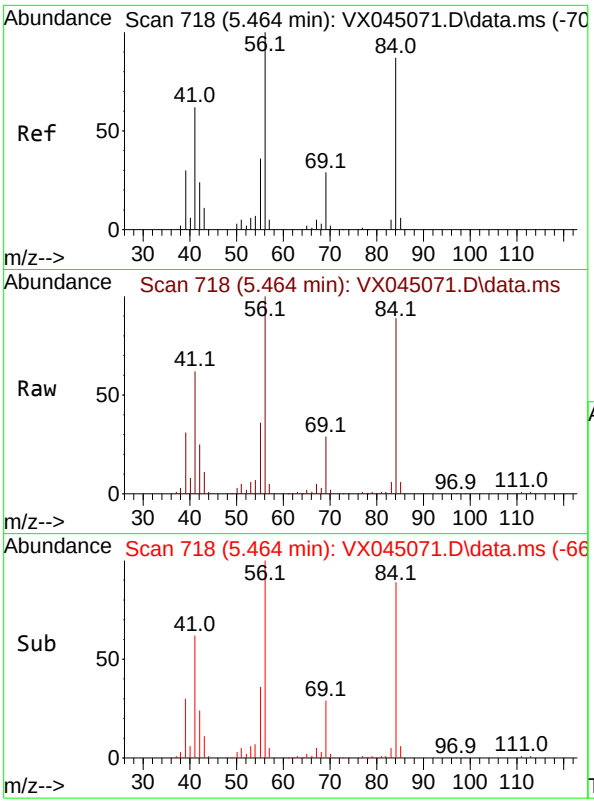


#30
Chloroform
Concen: 51.532 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 128581

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2

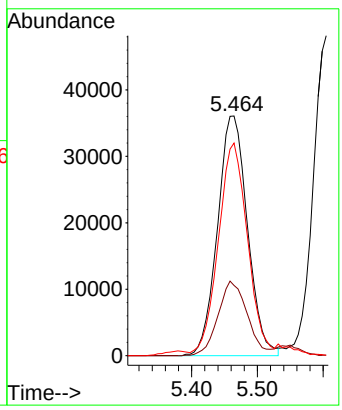




#31
Cyclohexane
Concen: 48.836 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 56 Resp: 11433

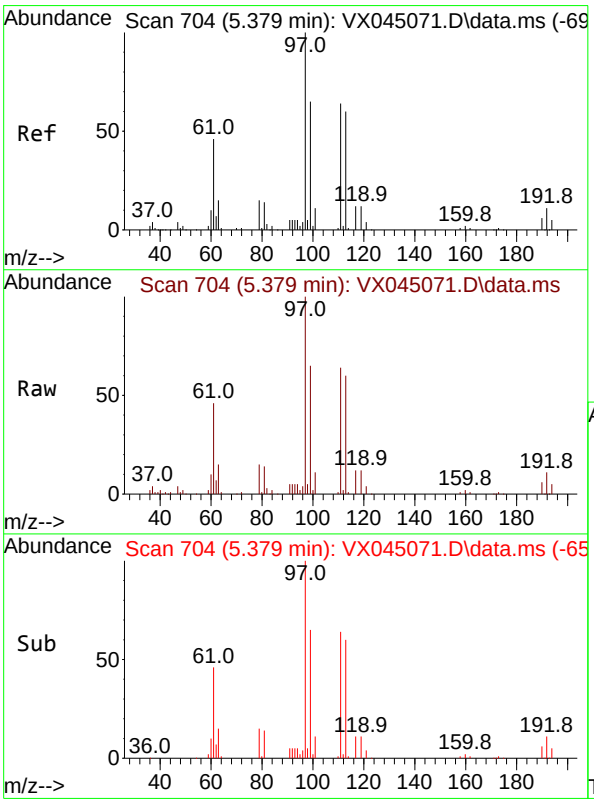
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.2
84	86.8	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

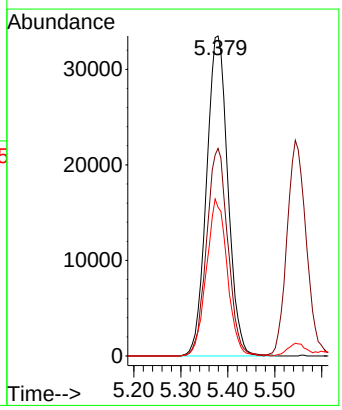
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

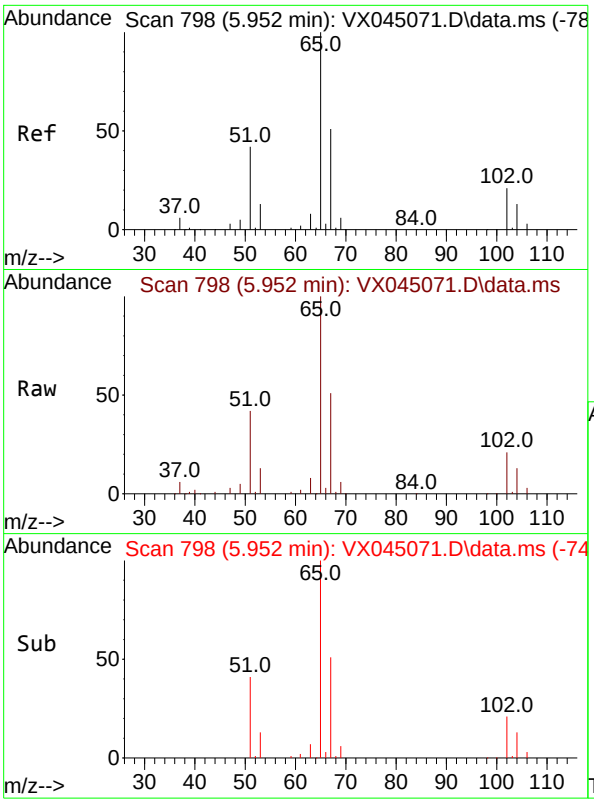


#32
1,1,1-Trichloroethane
Concen: 50.306 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

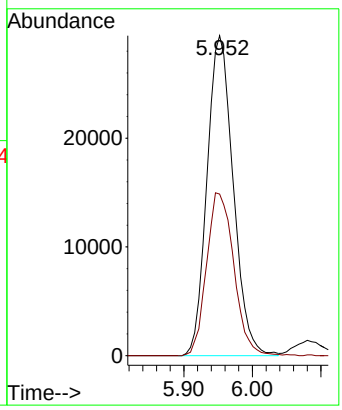




#33
1,2-Dichloroethane-d4
Concen: 51.250 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 65 Resp: 7815

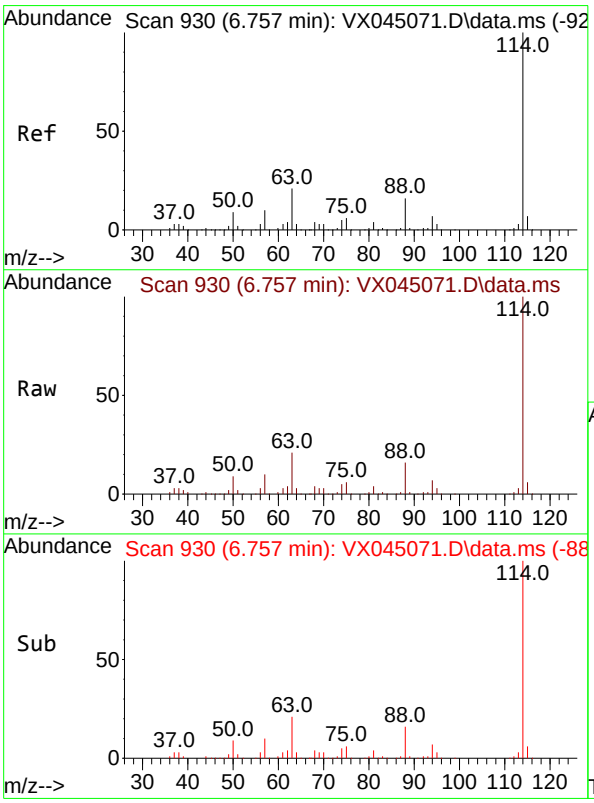
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

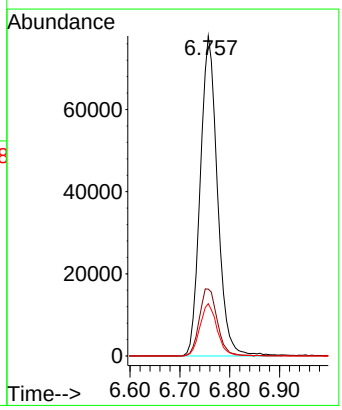
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

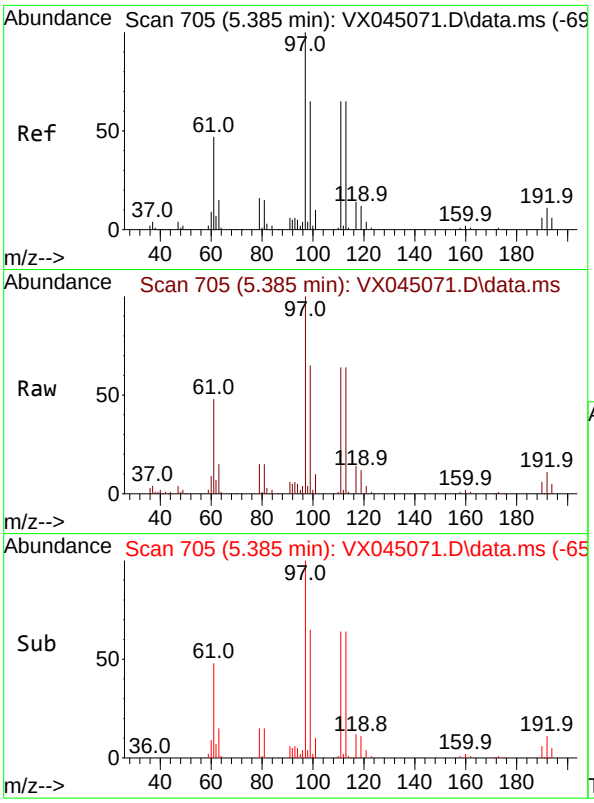


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

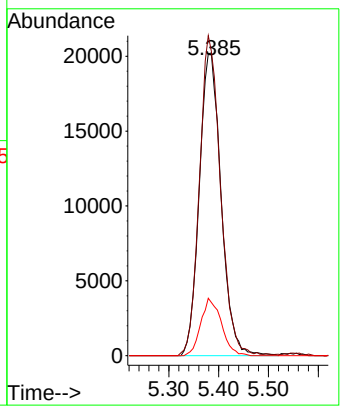




#35
Dibromofluoromethane
Concen: 50.346 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:113 Resp: 6132

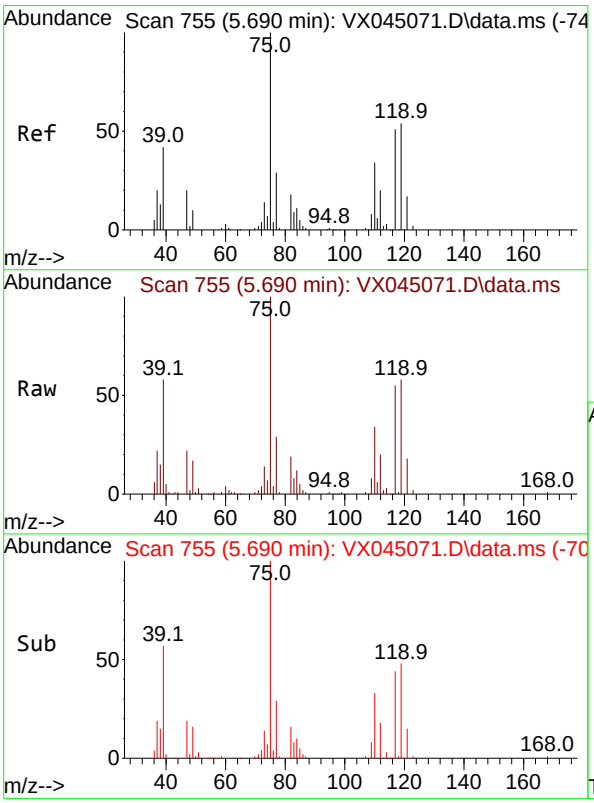
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	17.9	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

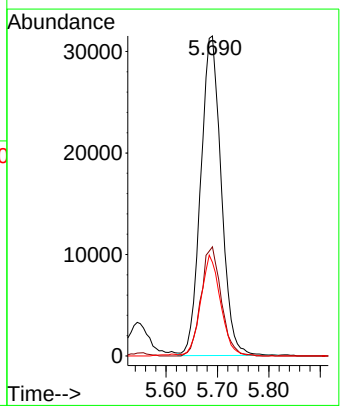
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

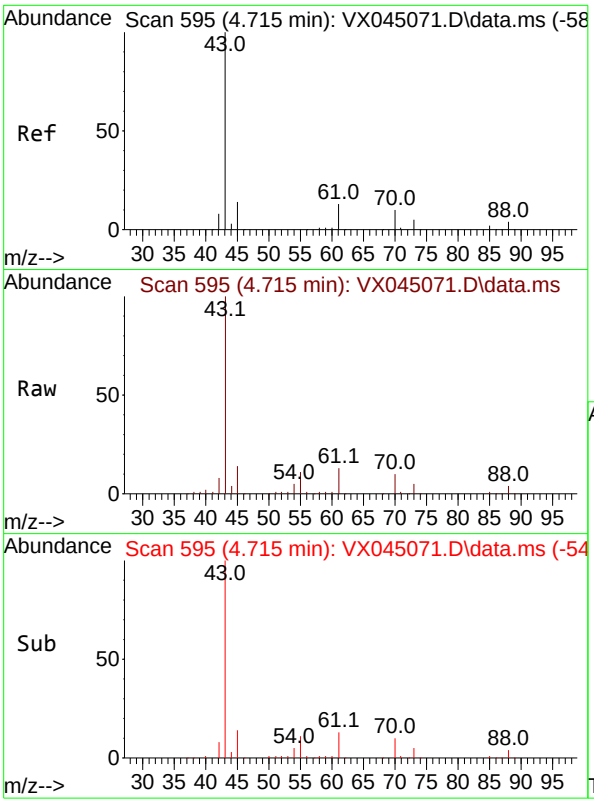


#36
1,1-Dichloropropene
Concen: 49.861 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

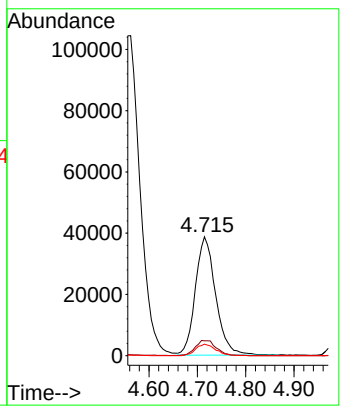




#37
Ethyl Acetate
Concen: 56.641 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 11289

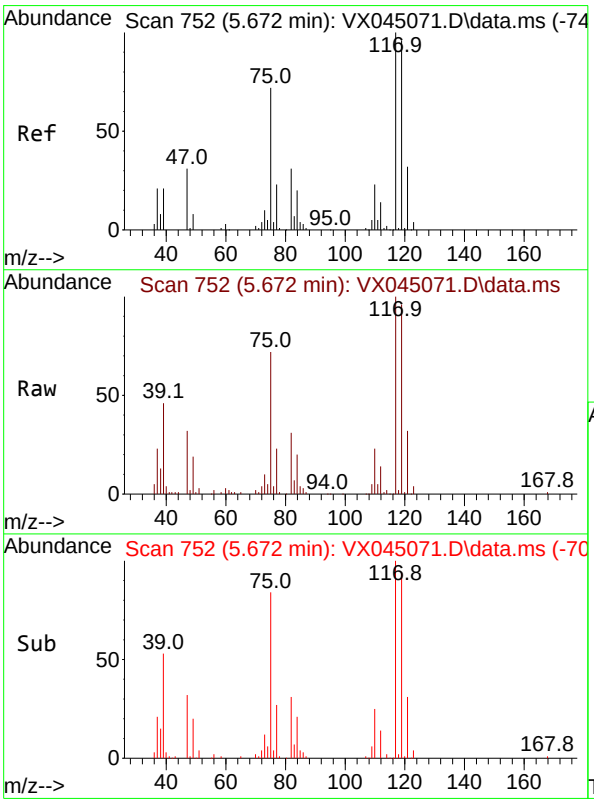
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.8	16.2
70	9.6	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

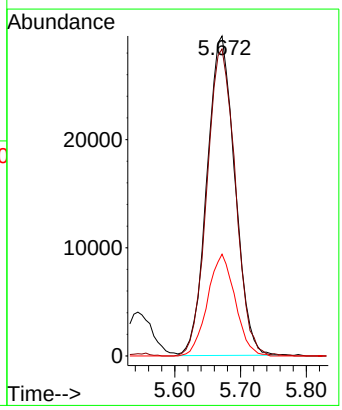
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

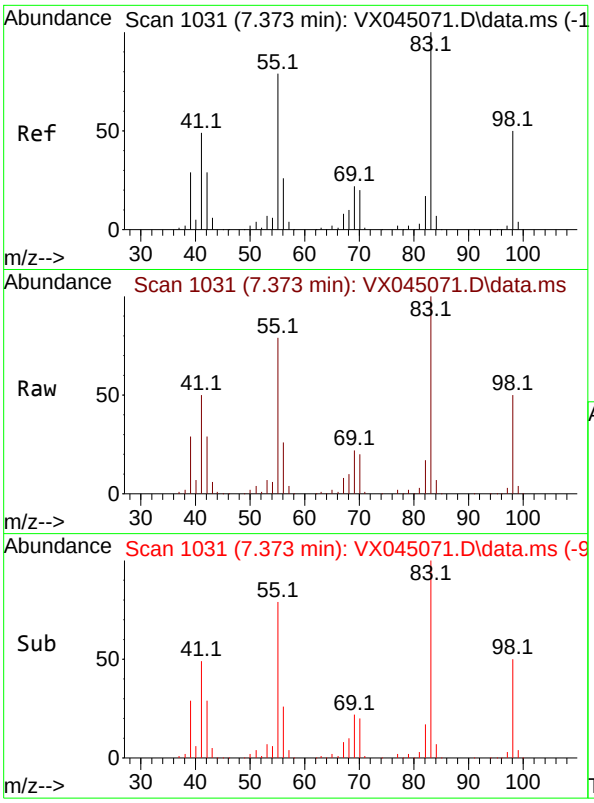


#38
Carbon Tetrachloride
Concen: 50.593 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

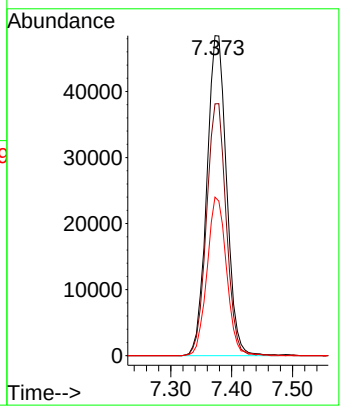
Tgt Ion: 83 Resp: 10897

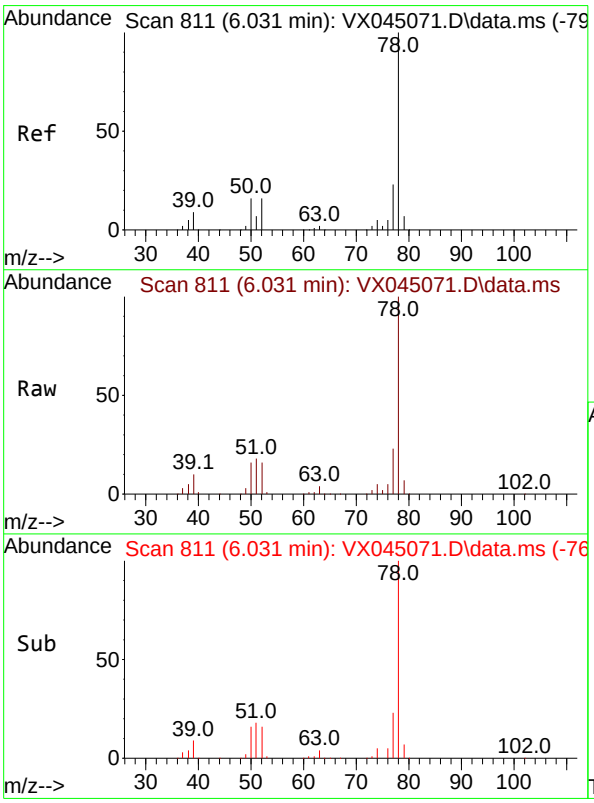
Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.0	94.4
98	49.6	39.7	59.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

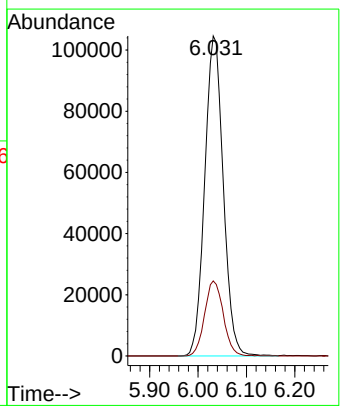


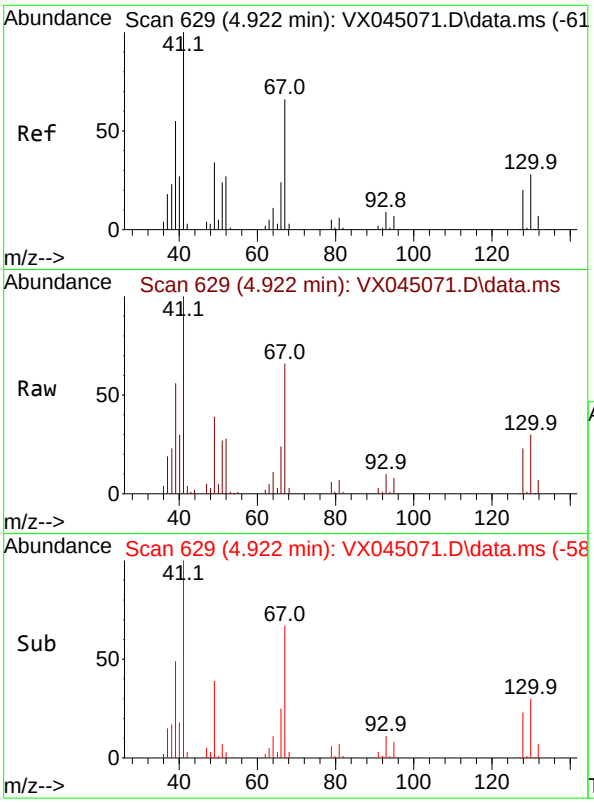


#40
Benzene
Concen: 50.925 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 78 Resp: 278802

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

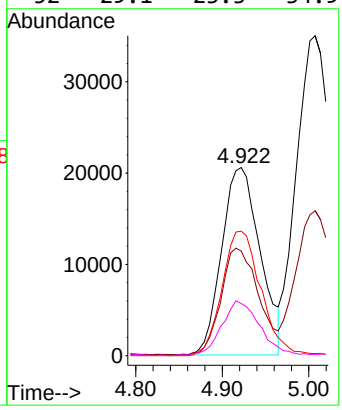




#41
Methacrylonitrile
Concen: 59.598 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 41 Resp: 6345

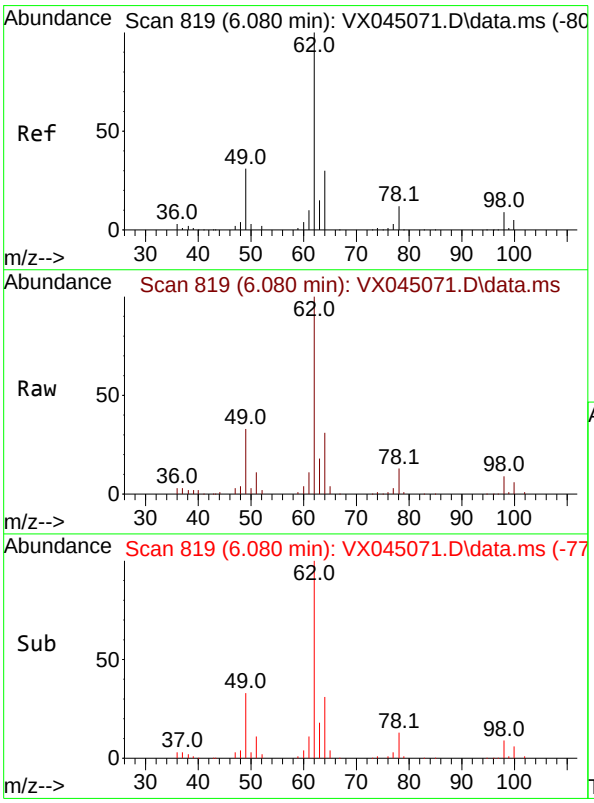
Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.6	67.0
67	67.4	53.9	80.9
52	29.1	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

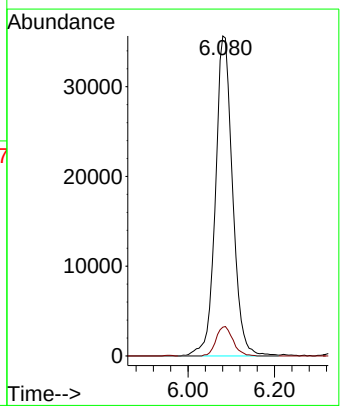
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

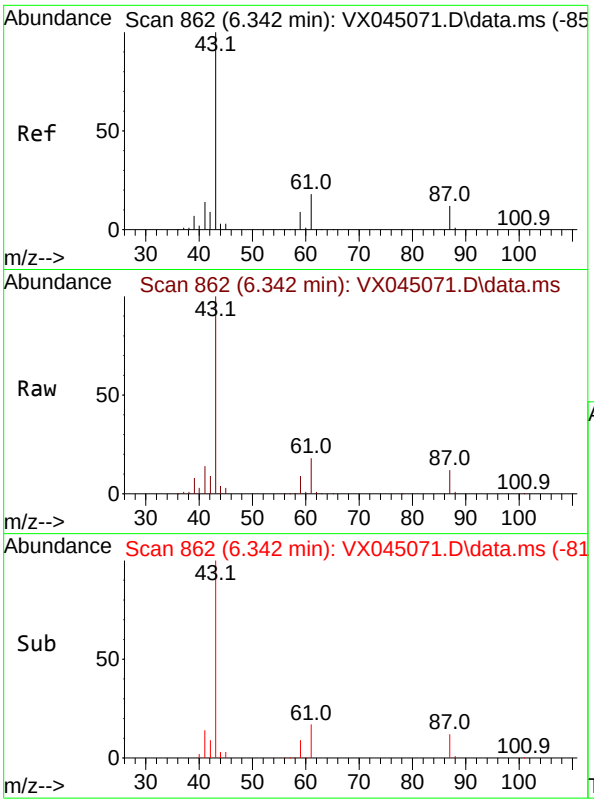


#42
1,2-Dichloroethane
Concen: 55.428 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 98340

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

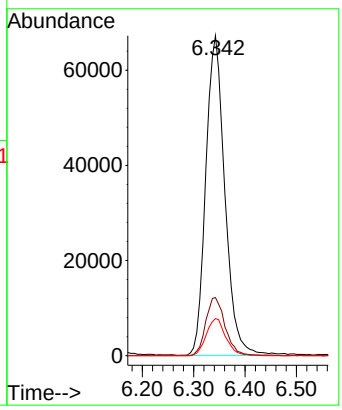




#43
Isopropyl Acetate
Concen: 54.544 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 17304

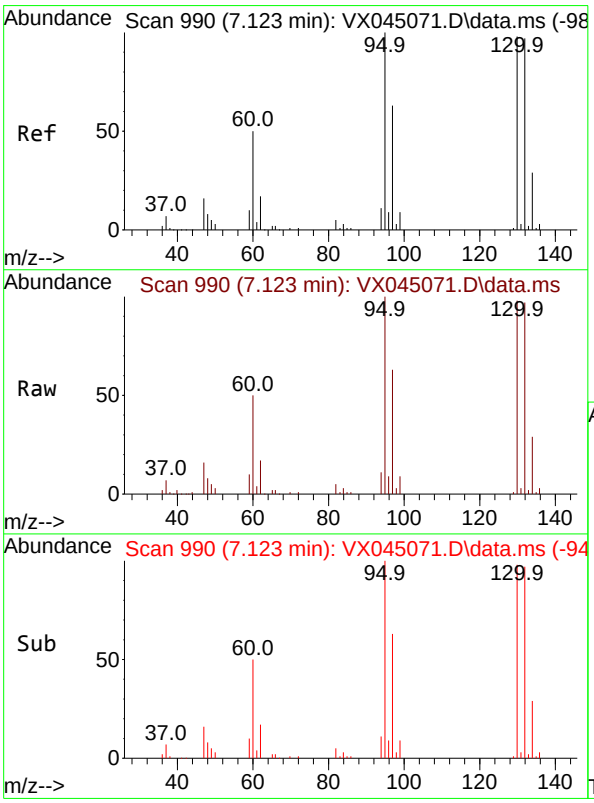
Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.9	22.3
87	11.8	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

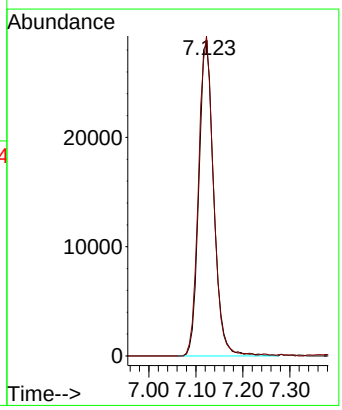
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

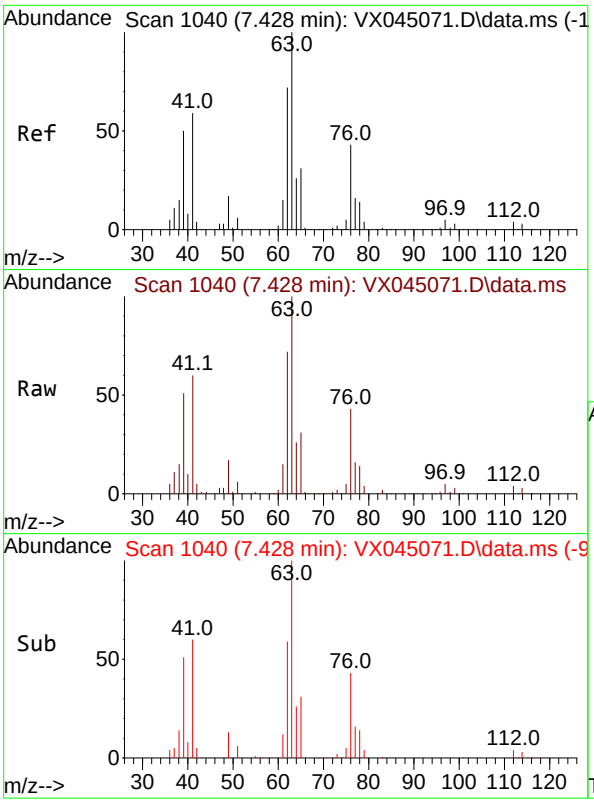


#44
Trichloroethene
Concen: 50.756 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

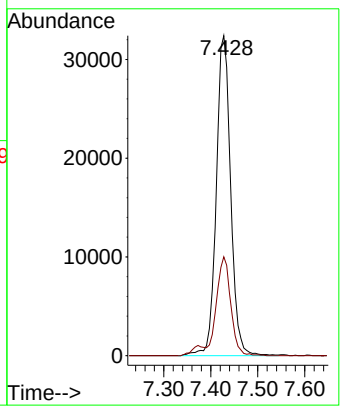
Tgt Ion: 63 Resp: 6912

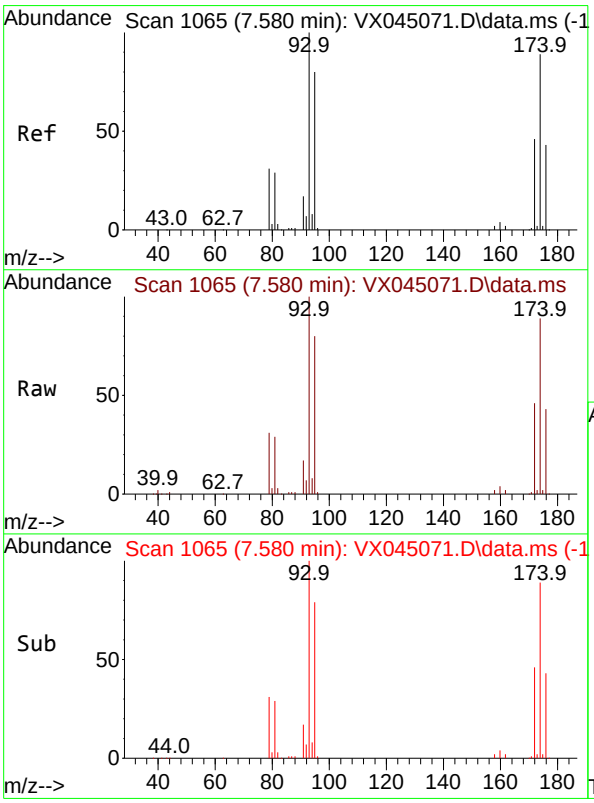
Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

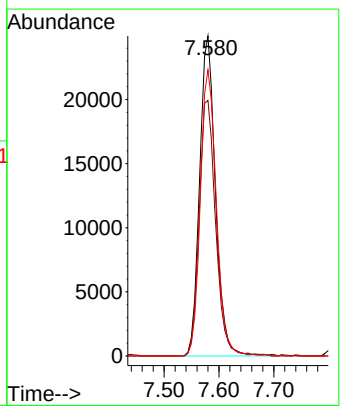


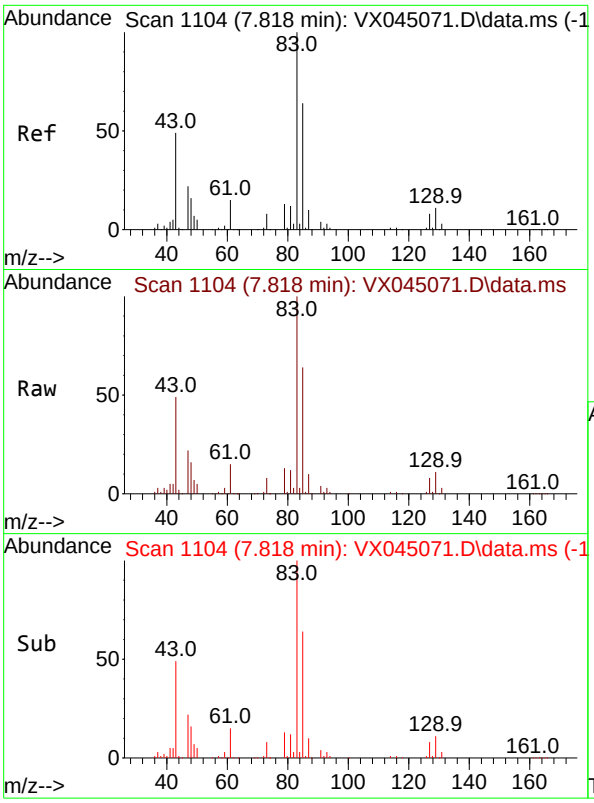


#46
Dibromomethane
Concen: 52.757 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

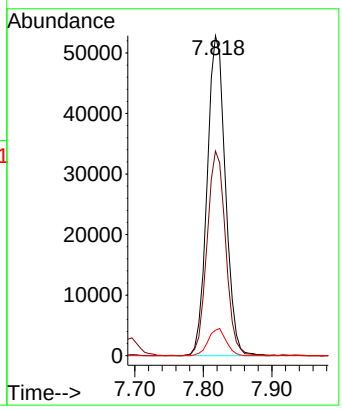




#47
Bromodichloromethane
Concen: 53.153 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 9772

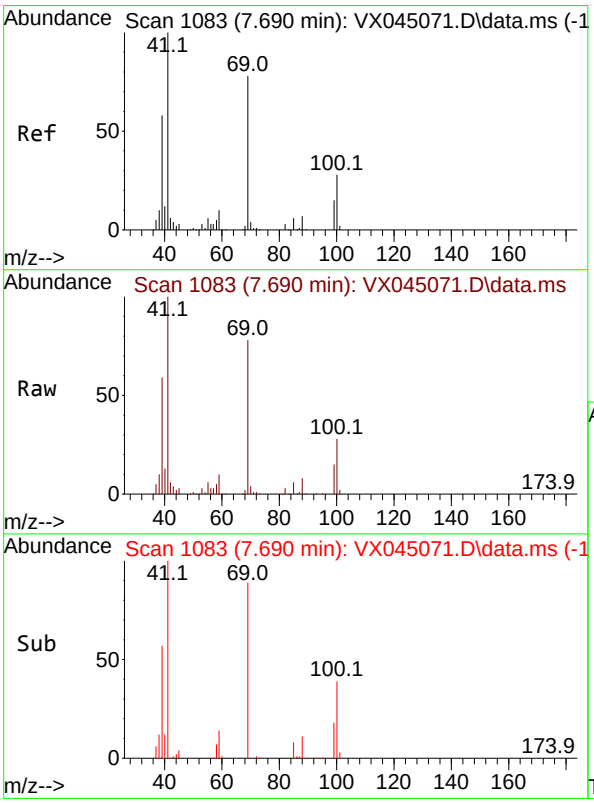
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.0	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

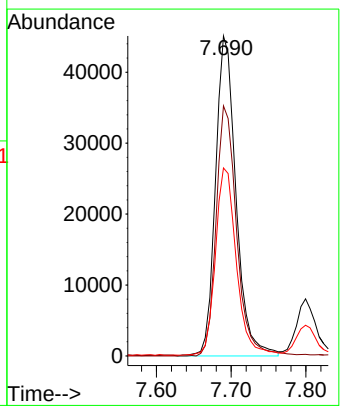
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

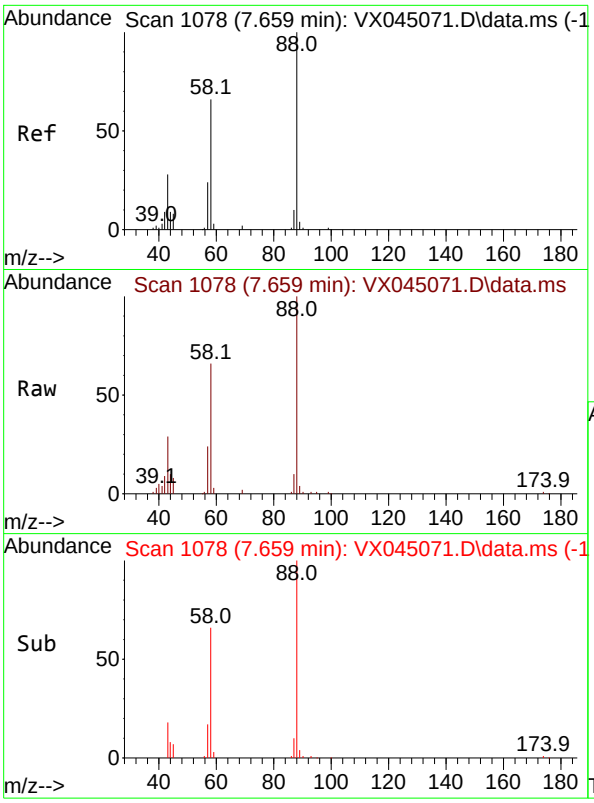


#48
Methyl methacrylate
Concen: 57.256 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

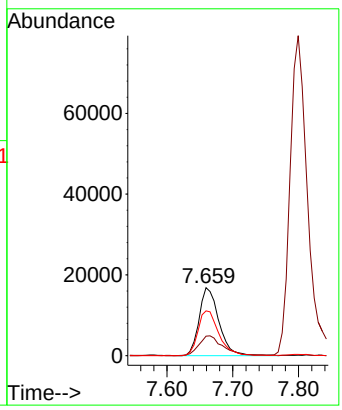




#49
1,4-Dioxane
Concen: 1095.003 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 88 Resp: 3505

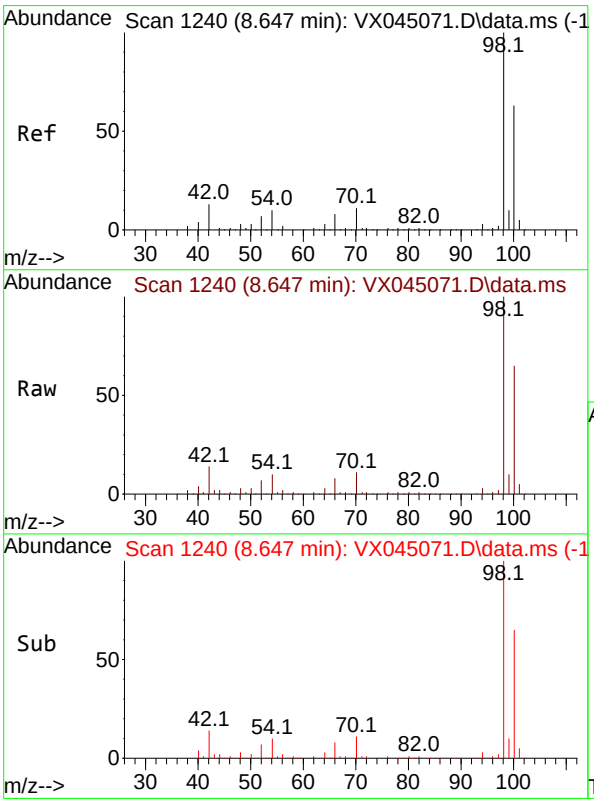
Ion	Ratio	Lower	Upper
88	100		
43	35.9	28.7	43.1
58	69.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

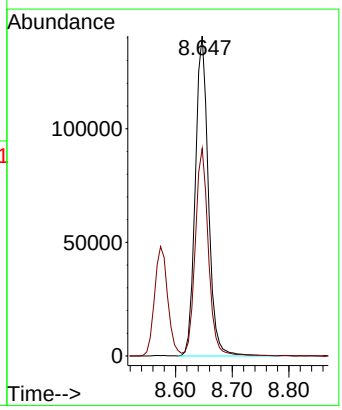
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

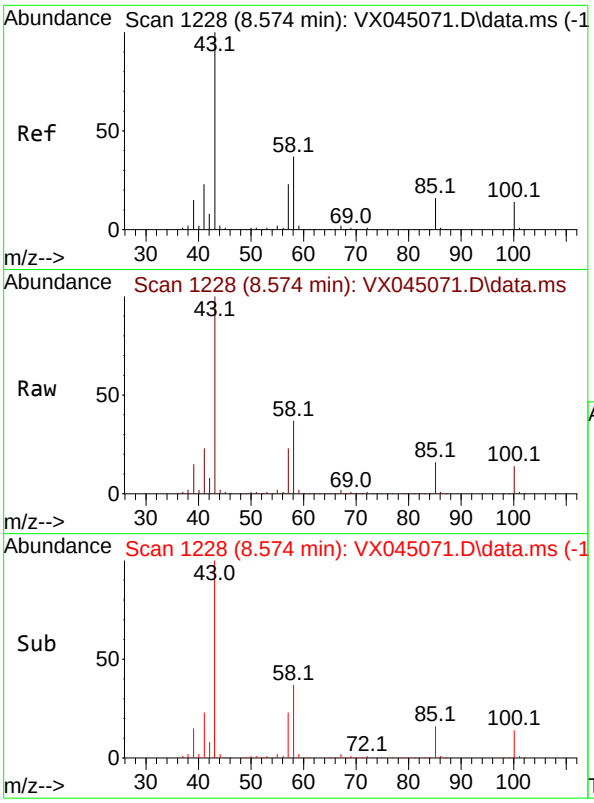


#50
Toluene-d8
Concen: 49.449 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

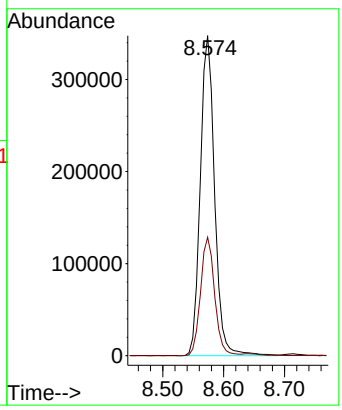
Tgt Ion: 43 Resp: 56873

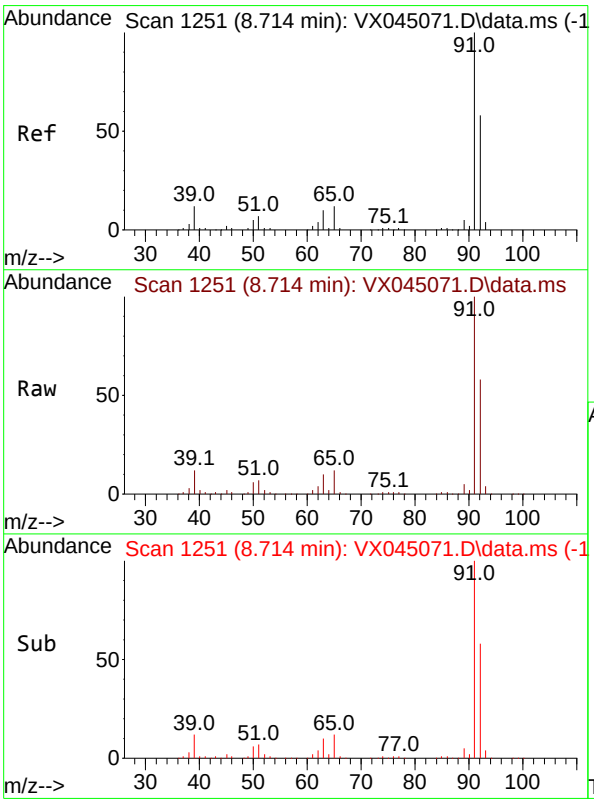
Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

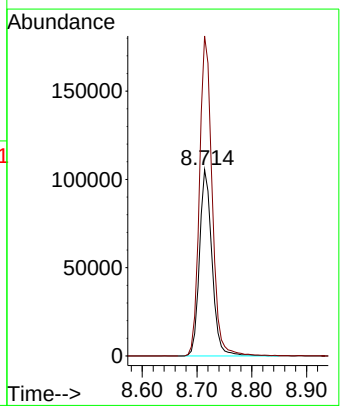


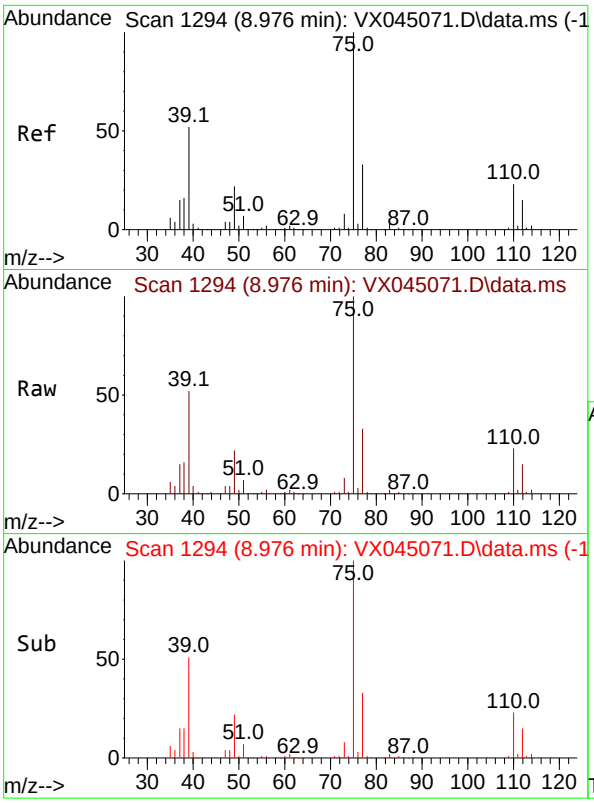


#52
Toluene
Concen: 51.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 92 Resp: 167431

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3

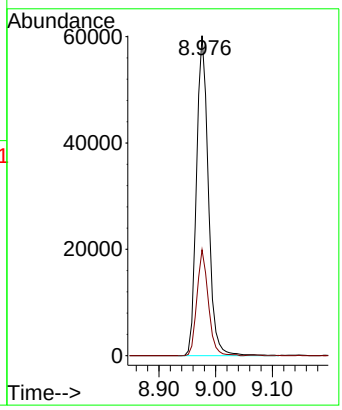




#53
t-1,3-Dichloropropene
Concen: 48.078 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 8737

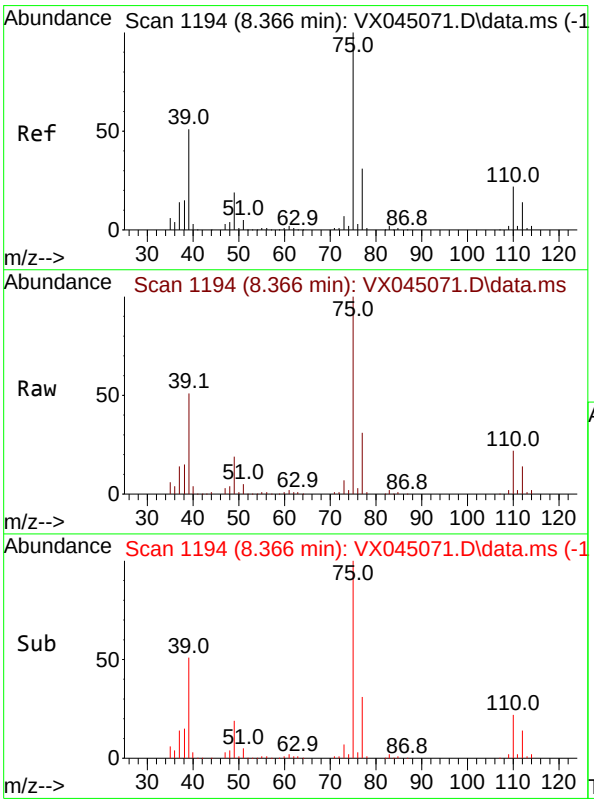
Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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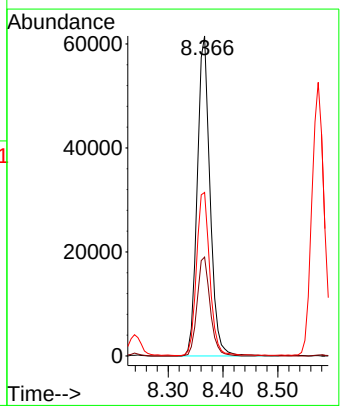
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

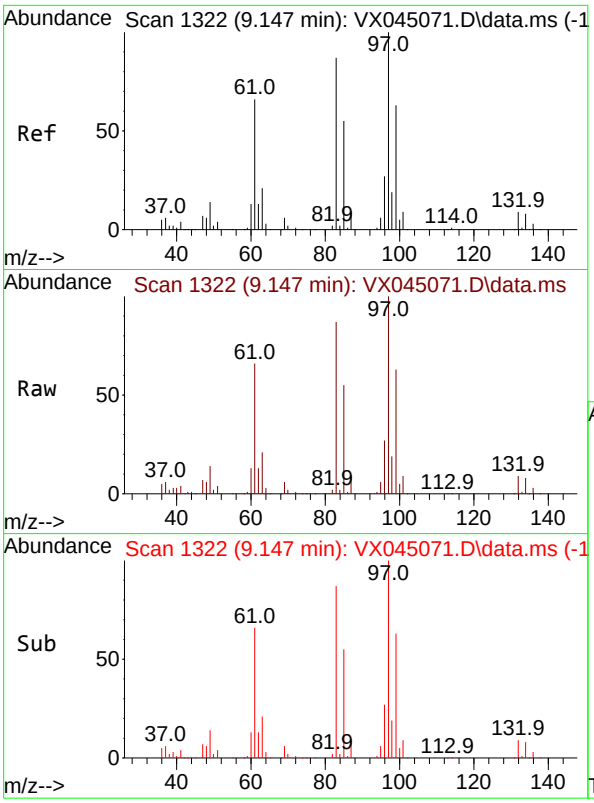


#54
cis-1,3-Dichloropropene
Concen: 49.079 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

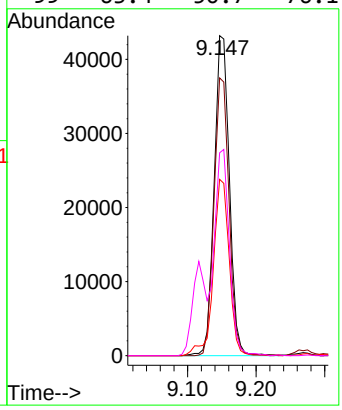




#55
1,1,2-Trichloroethane
Concen: 52.724 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 97 Resp: 6637

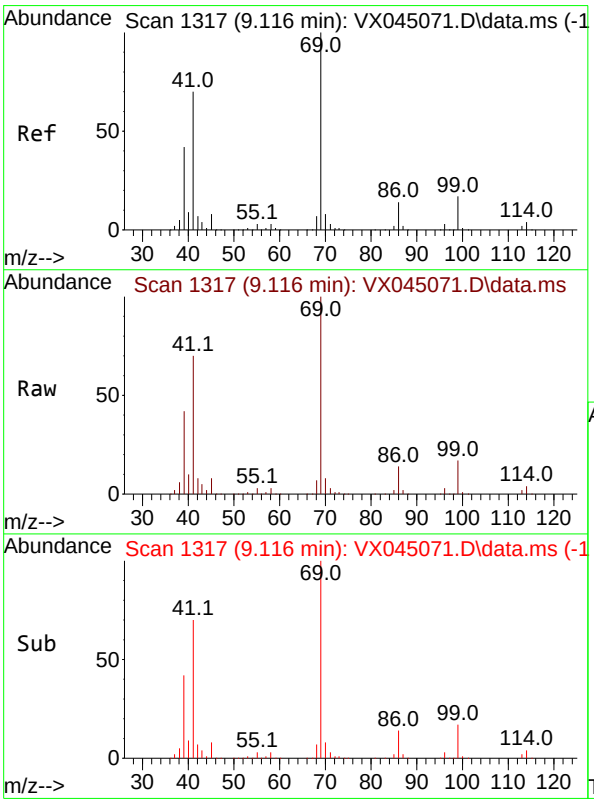
Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.4	104.2
85	55.1	44.1	66.1
99	63.4	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

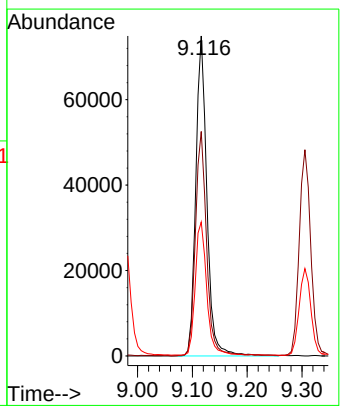
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

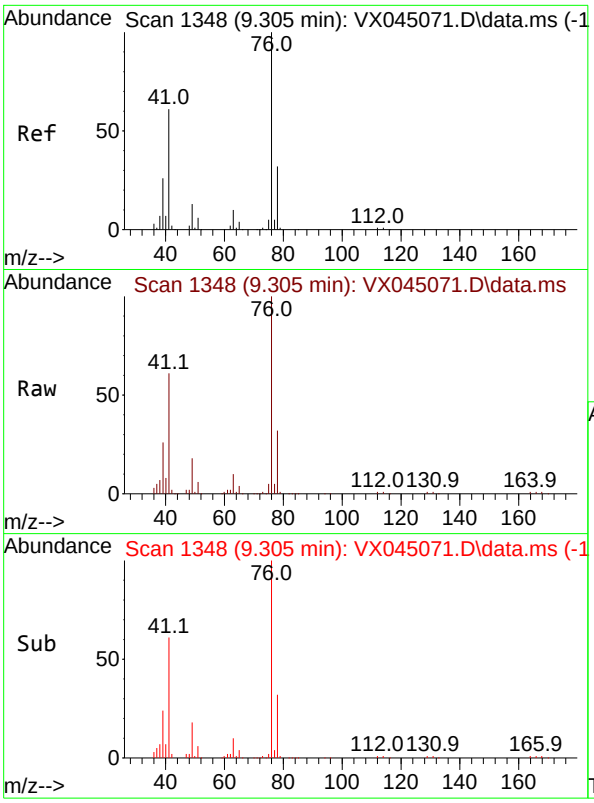


#56
Ethyl methacrylate
Concen: 52.724 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

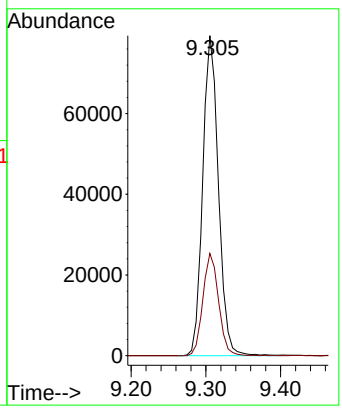
Tgt Ion: 76 Resp: 11548

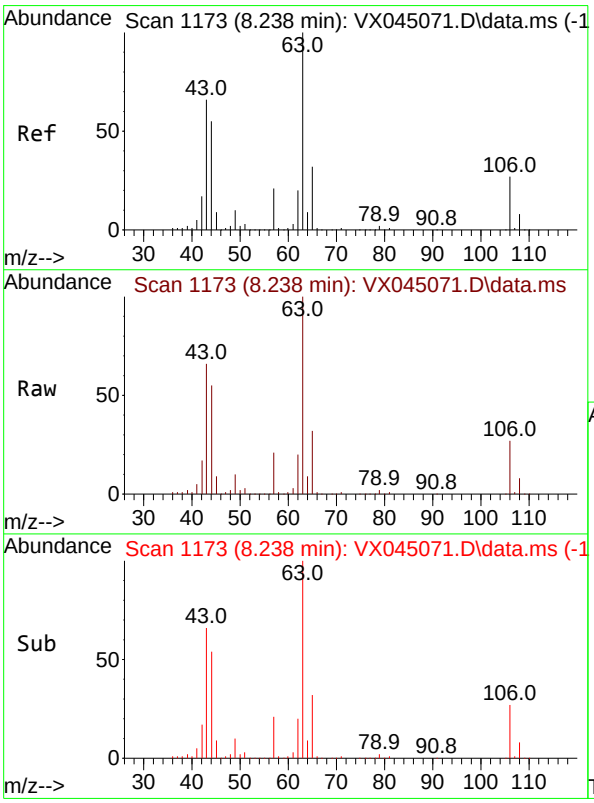
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

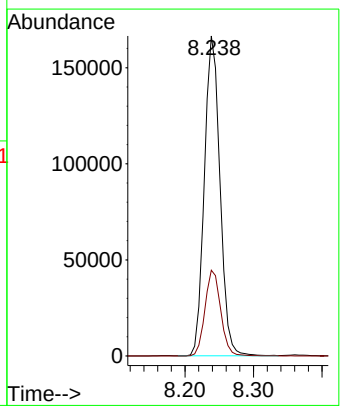


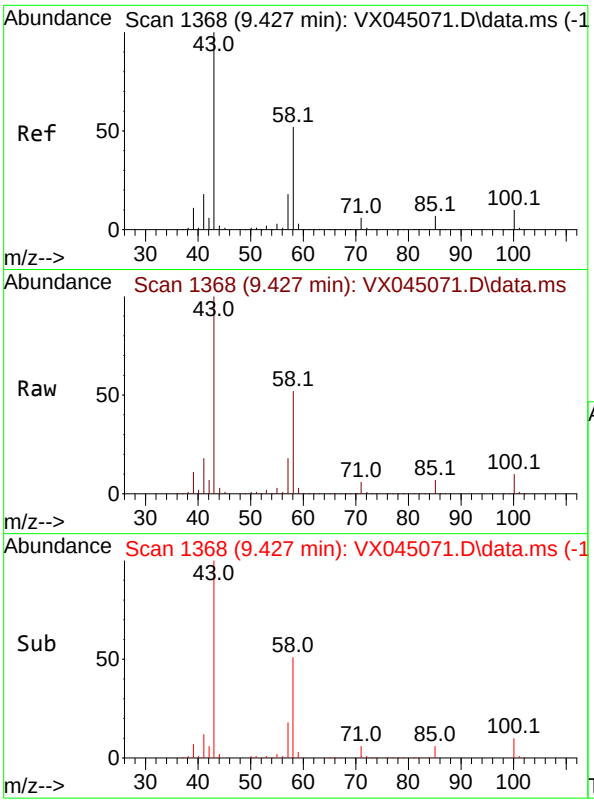


#58
2-Chloroethyl Vinyl ether
Concen: 267.612 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

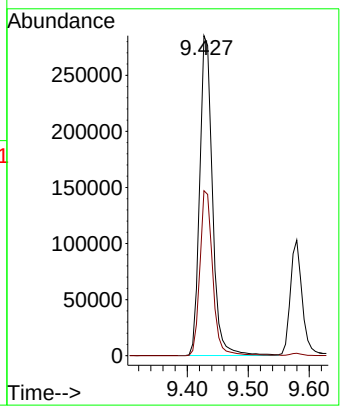
Tgt Ion: 43 Resp: 41698

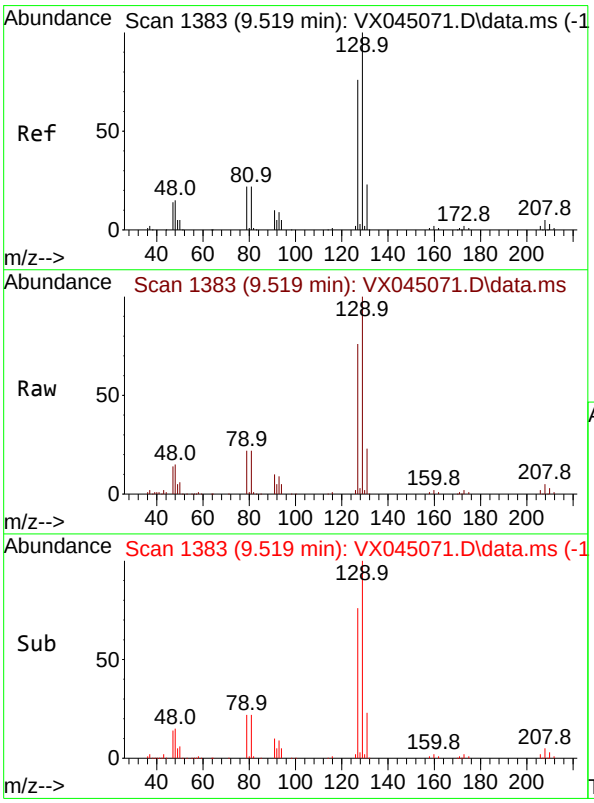
Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

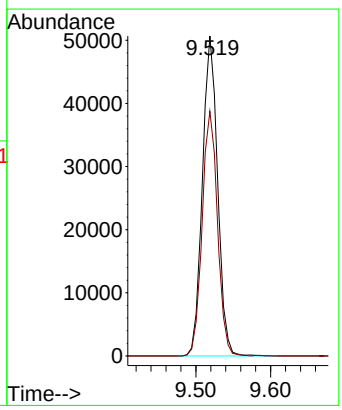


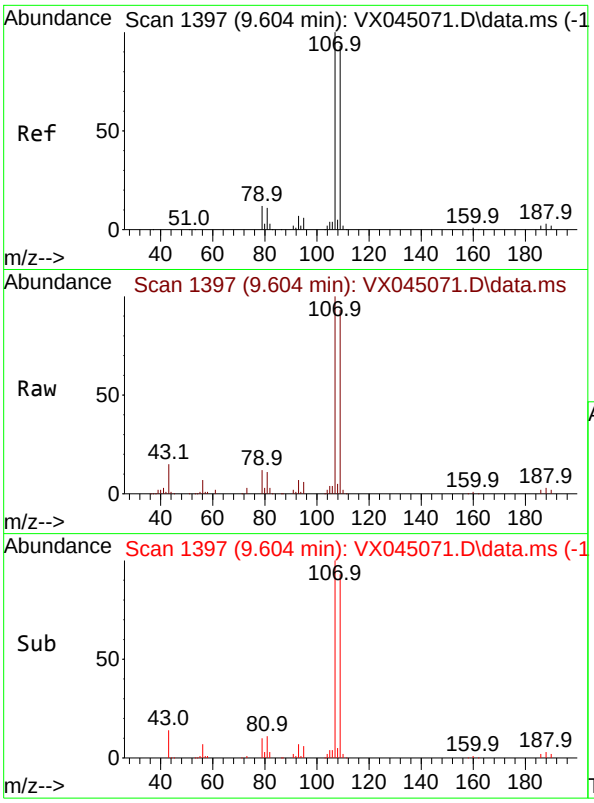


#60
Dibromochloromethane
Concen: 53.284 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:129 Resp: 71569

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5

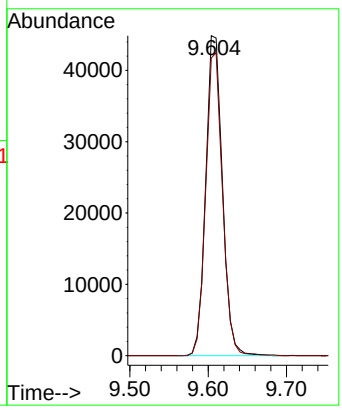




#61
1,2-Dibromoethane
Concen: 52.217 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:107 Resp: 6631

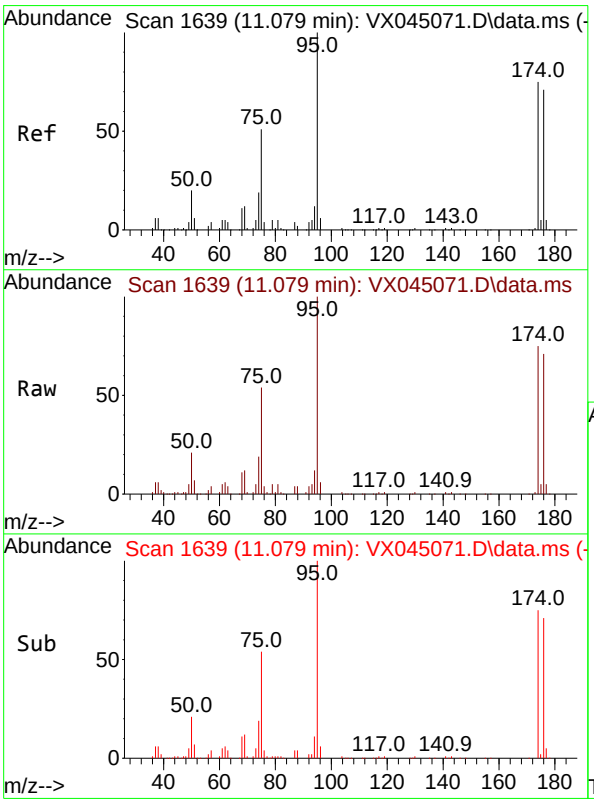
Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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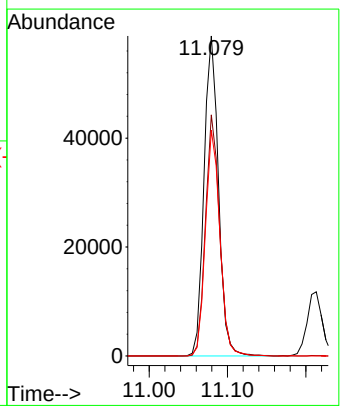
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

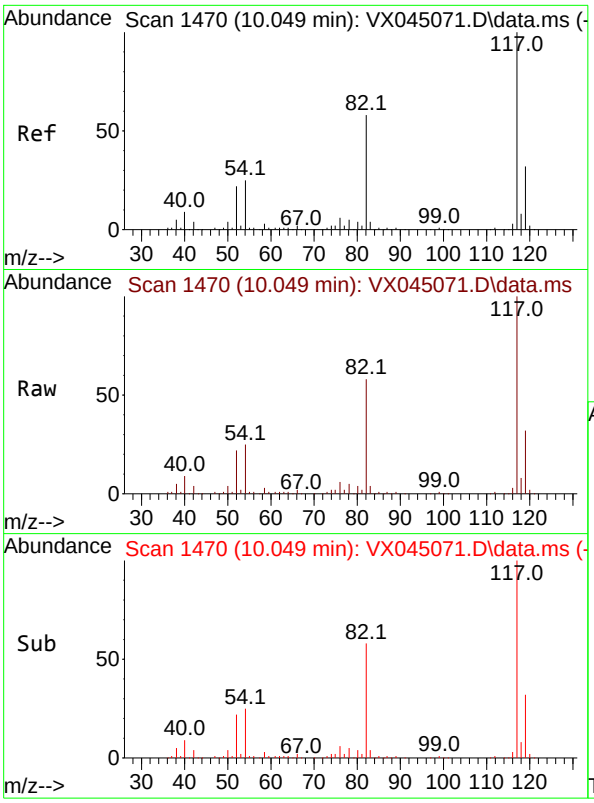


#62
4-Bromofluorobenzene
Concen: 49.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

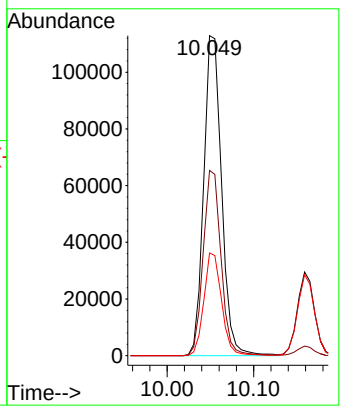




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 16207

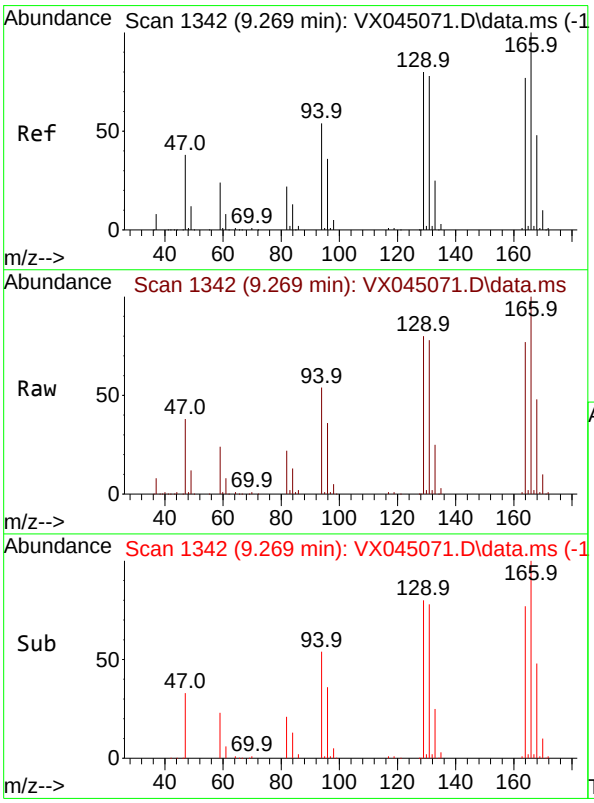
Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

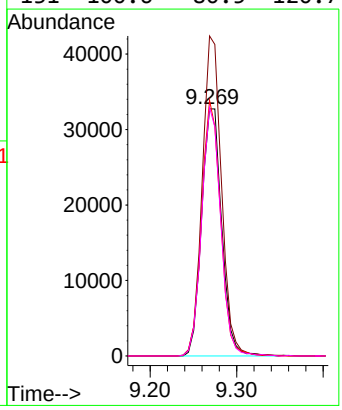
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

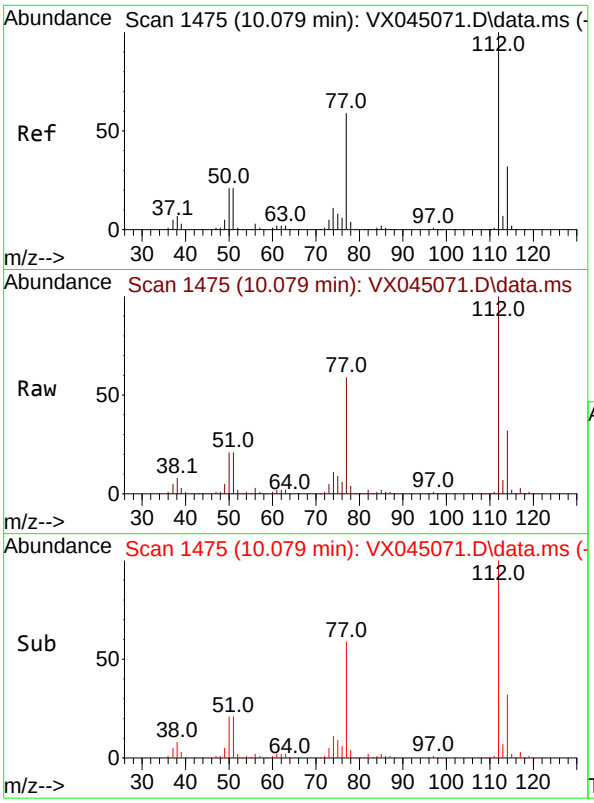


#64
Tetrachloroethene
Concen: 51.021 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

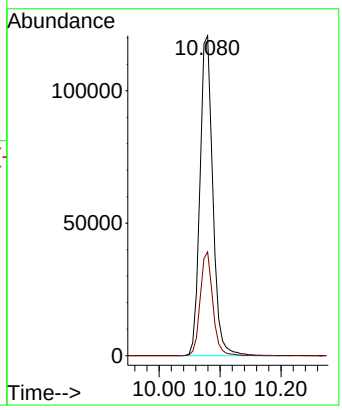
Tgt Ion:112 Resp: 17692

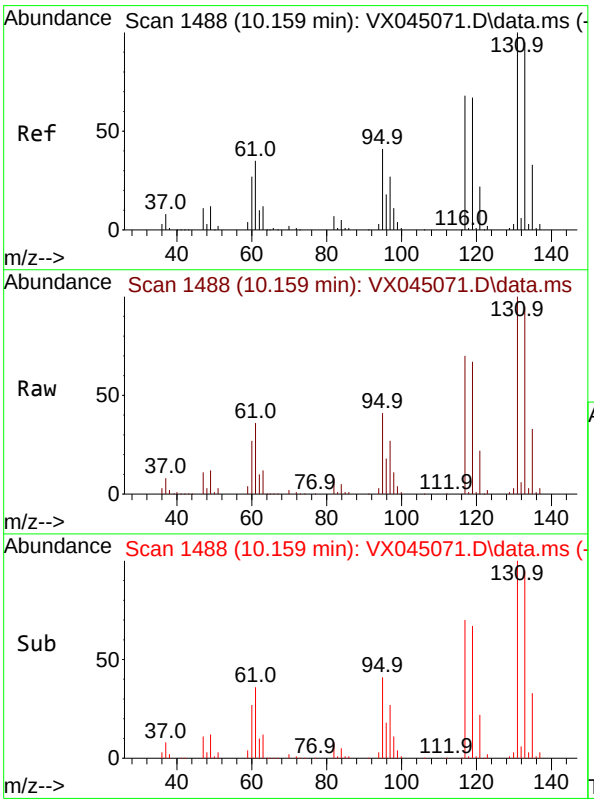
Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

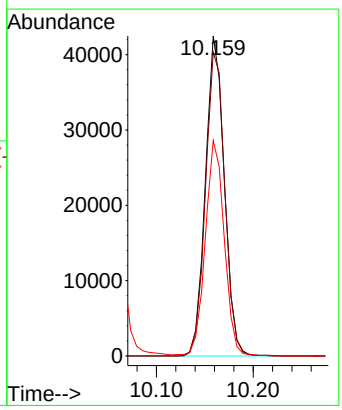


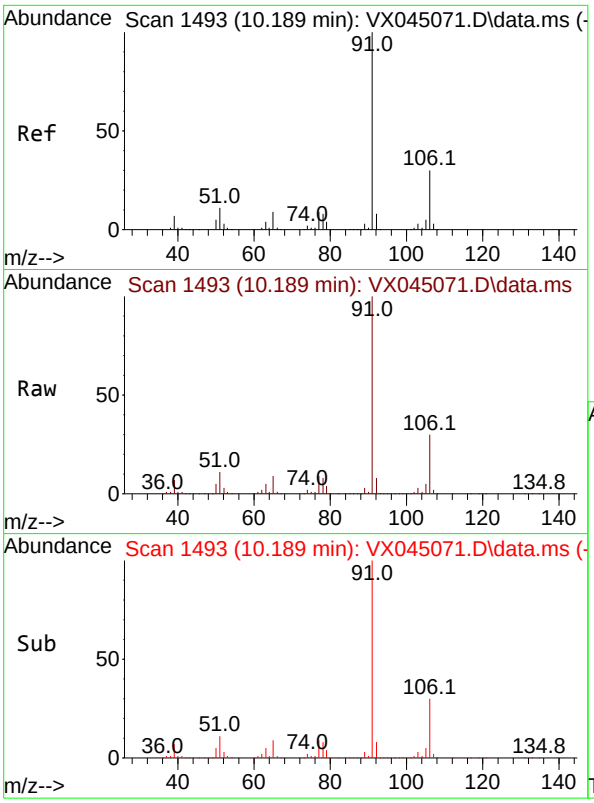


#66
1,1,1,2-Tetrachloroethane
Concen: 51.402 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

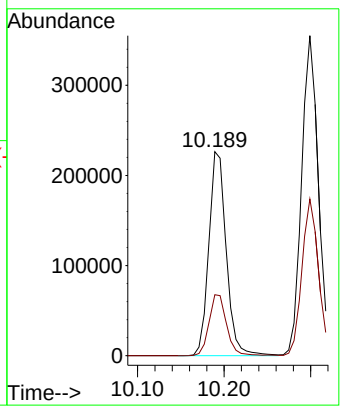
Tgt Ion: 91 Resp: 31642

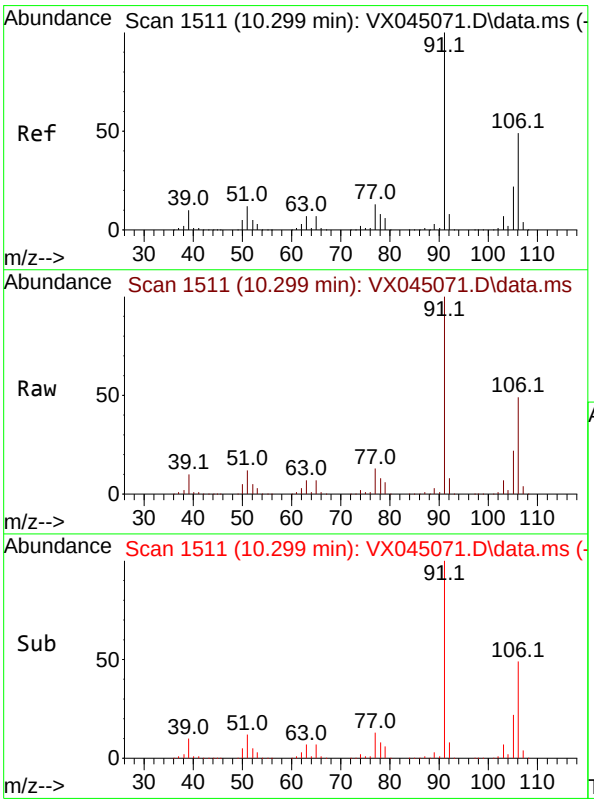
Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

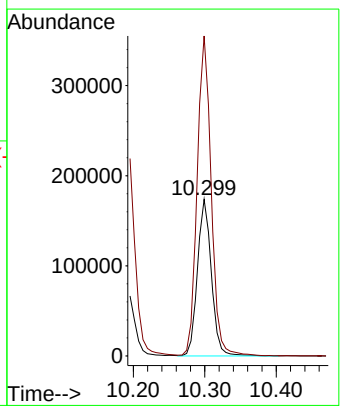


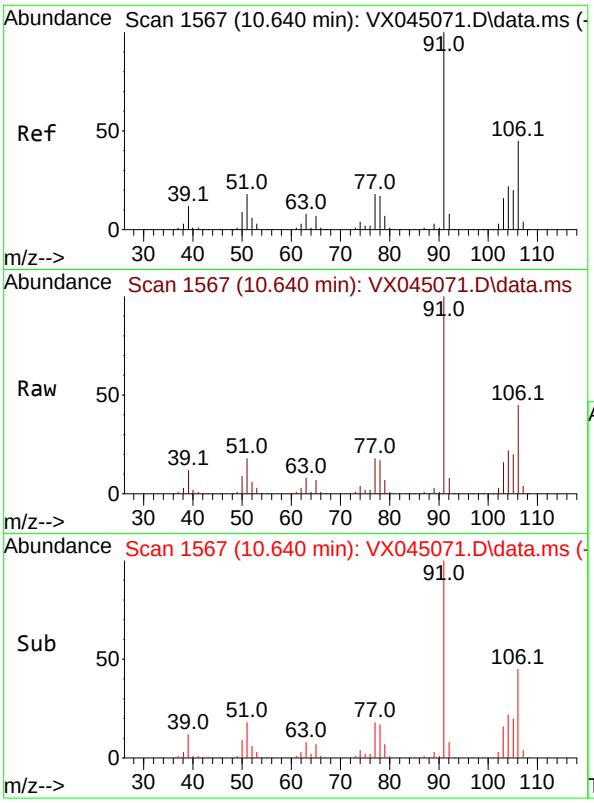


#68
m/p-Xylenes
Concen: 103.515 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 234554

Ion	Ratio	Lower	Upper
106	100		
91	206.7	165.4	248.0

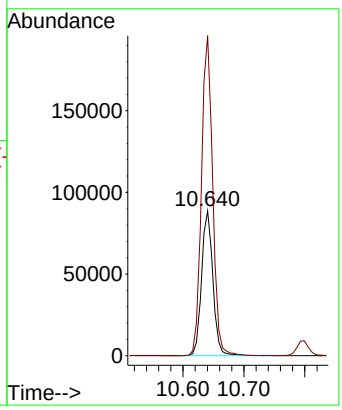




#69
o-Xylene
Concen: 50.341 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 11444

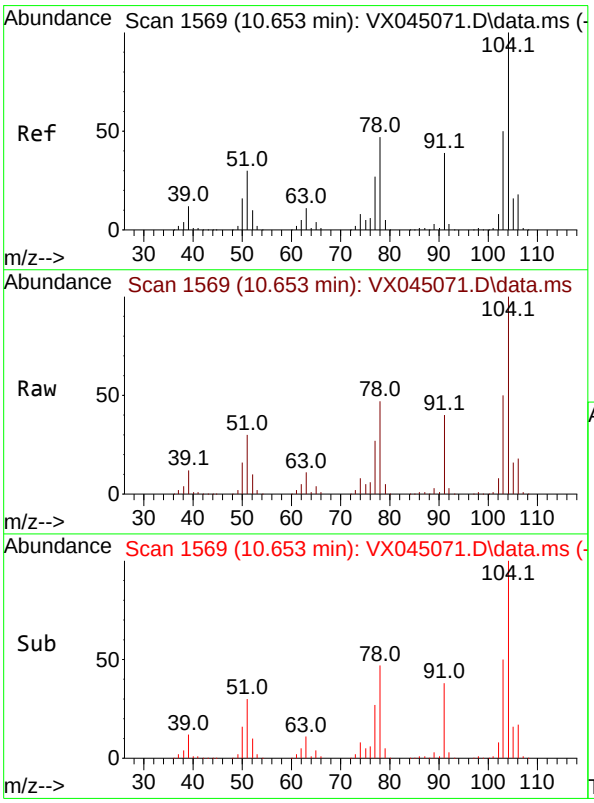
Ion	Ratio	Lower	Upper
106	100		
91	219.7	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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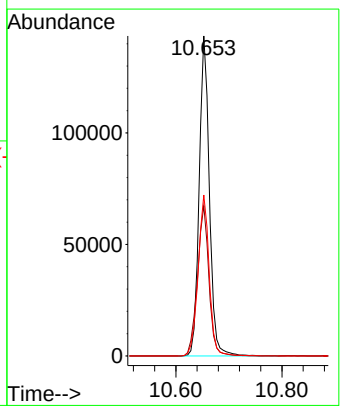
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

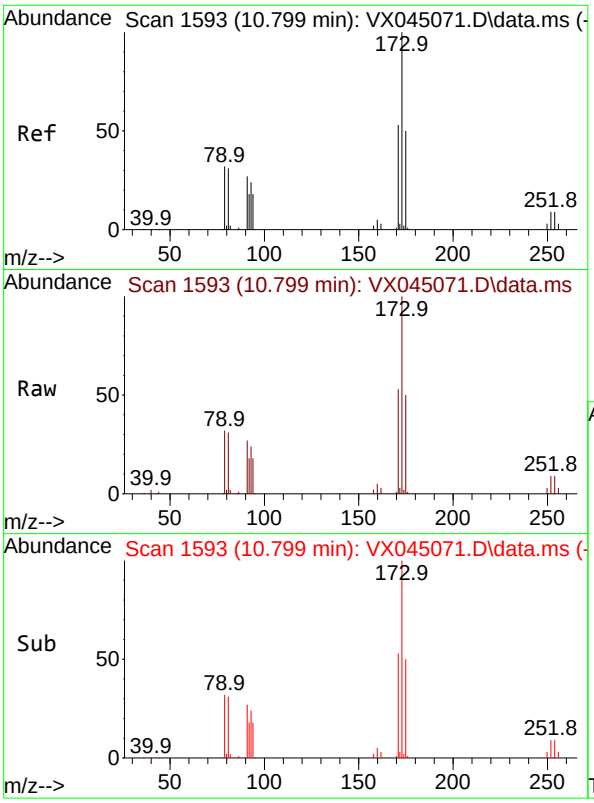


#70
Styrene
Concen: 52.387 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

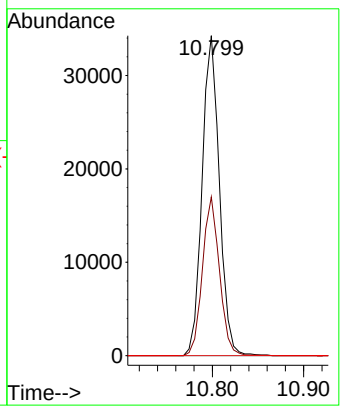




#71
Bromoform
Concen: 53.645 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:173 Resp: 4473

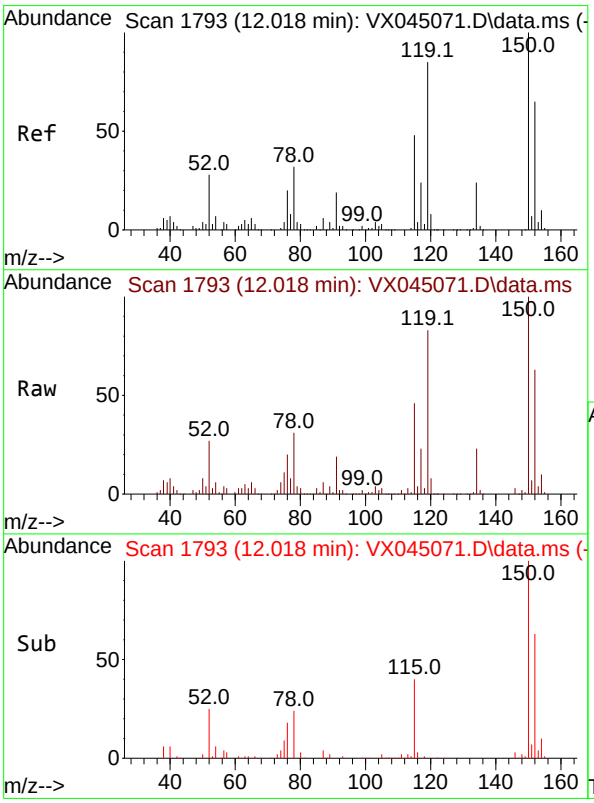
Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

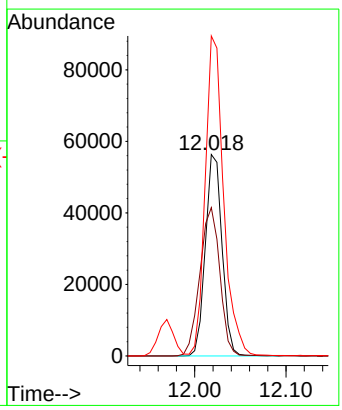
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

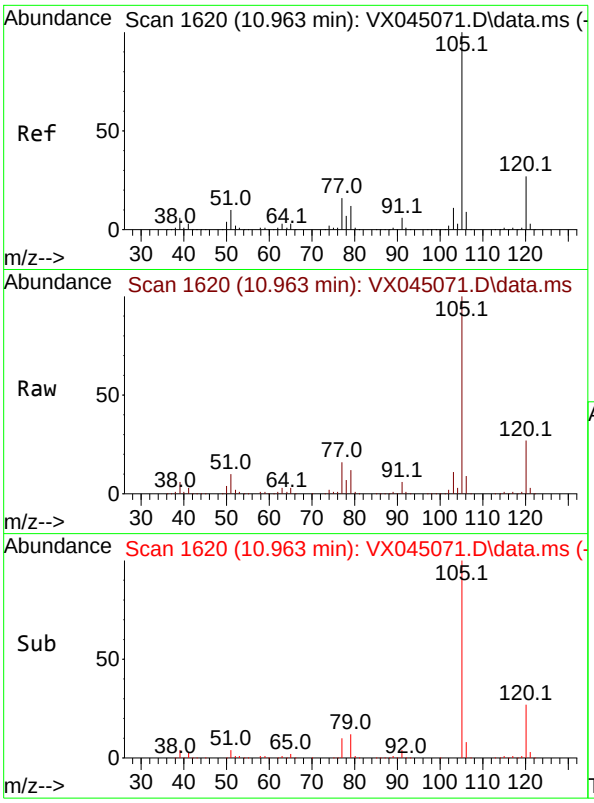


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

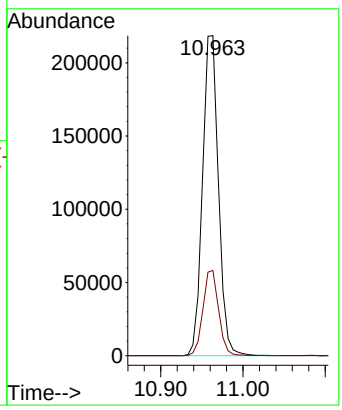




#73
Isopropylbenzene
Concen: 51.167 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 29469

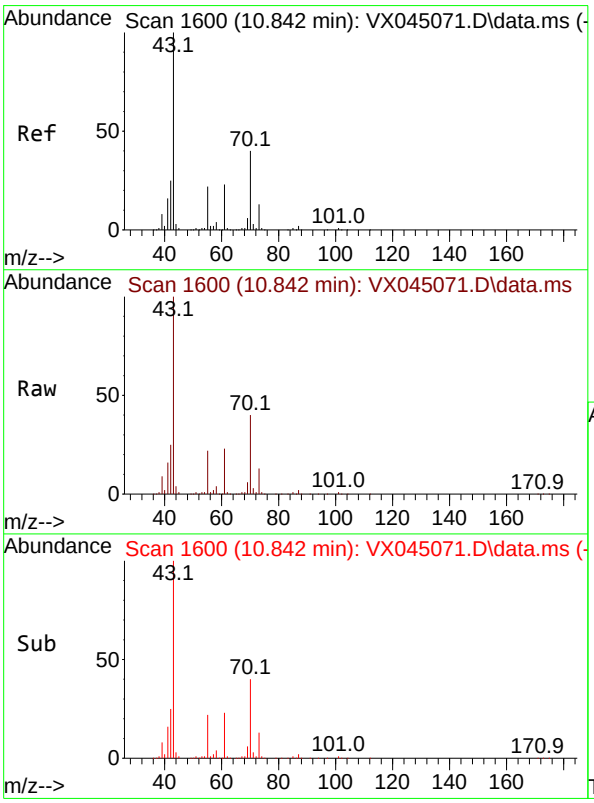
Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

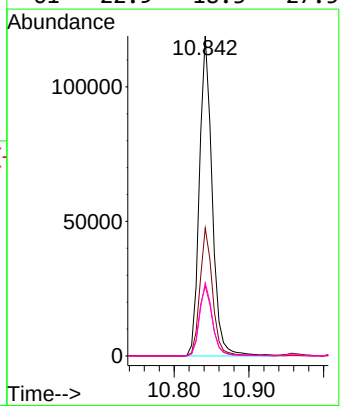
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

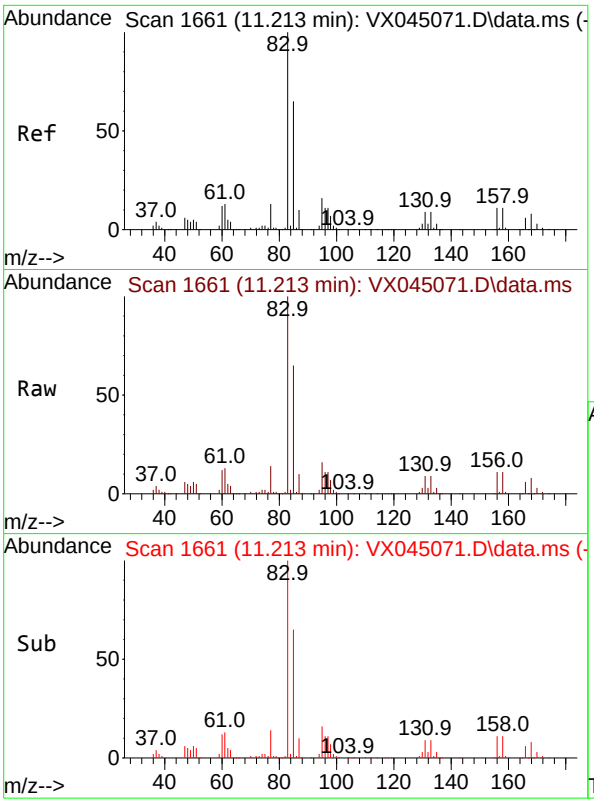


#74
N-amyl acetate
Concen: 53.881 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

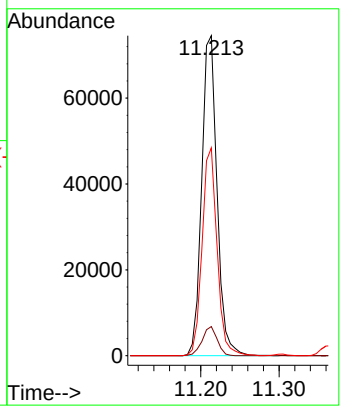




#75
1,1,2,2-Tetrachloroethane
Concen: 50.945 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 10108

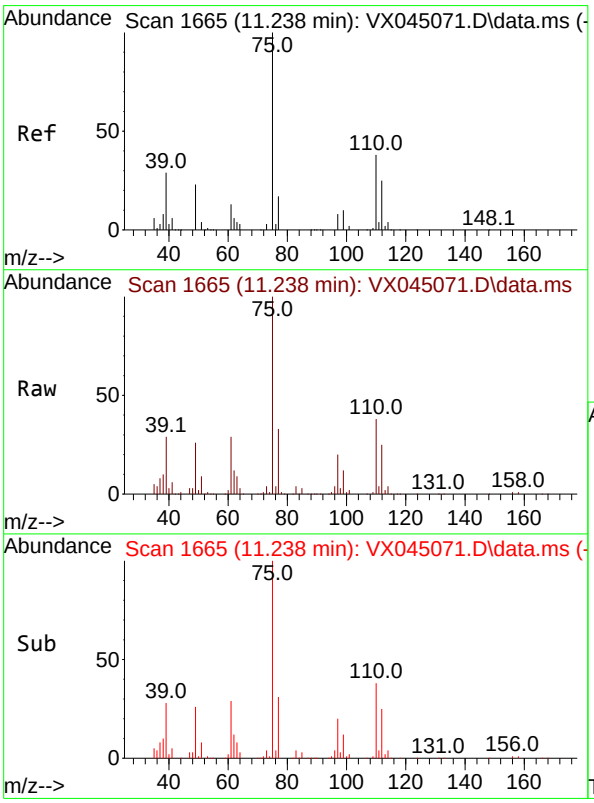
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.4	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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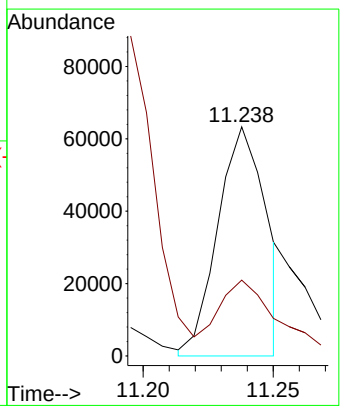
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

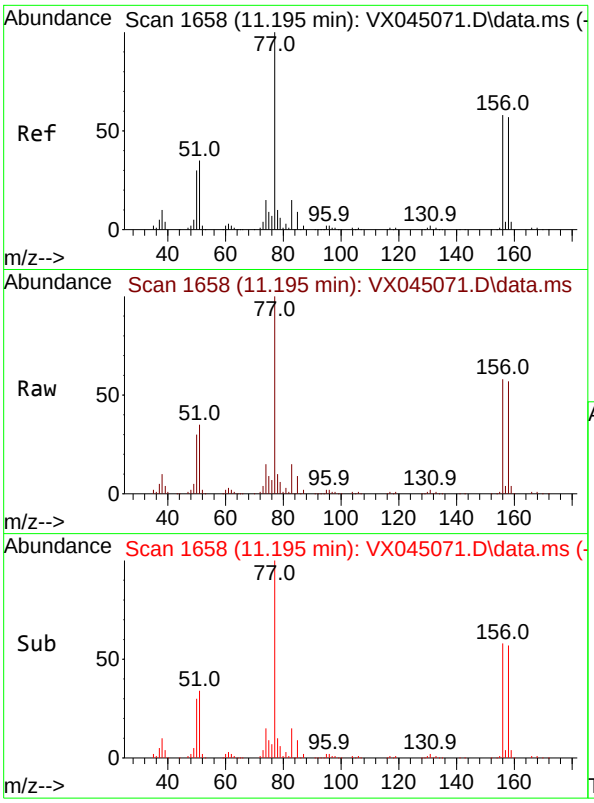


#76
1,2,3-Trichloropropane
Concen: 51.421 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

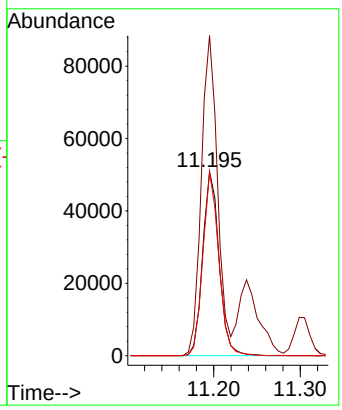
Tgt Ion:156 Resp: 6690

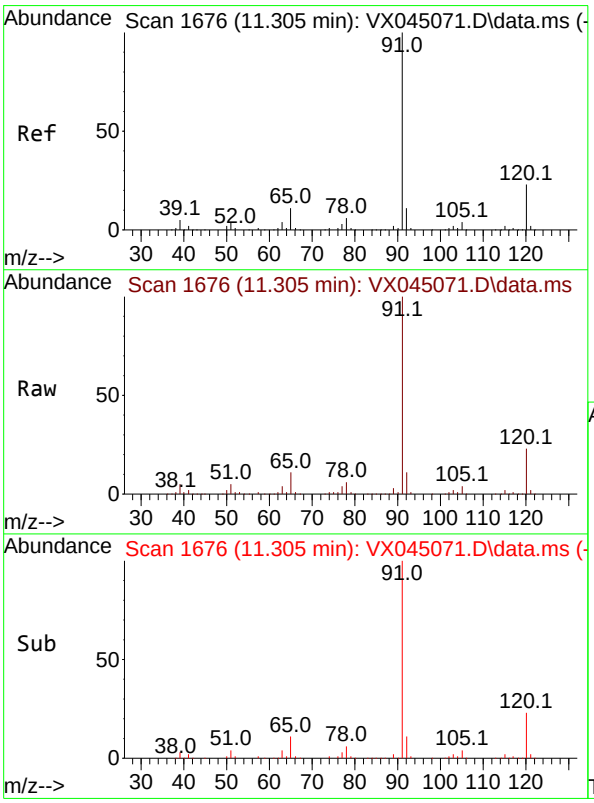
Ion	Ratio	Lower	Upper
156	100		
77	171.6	85.8	257.4
158	96.8	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

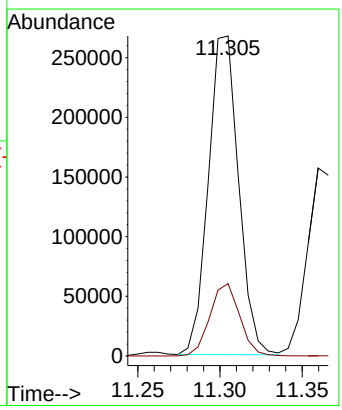


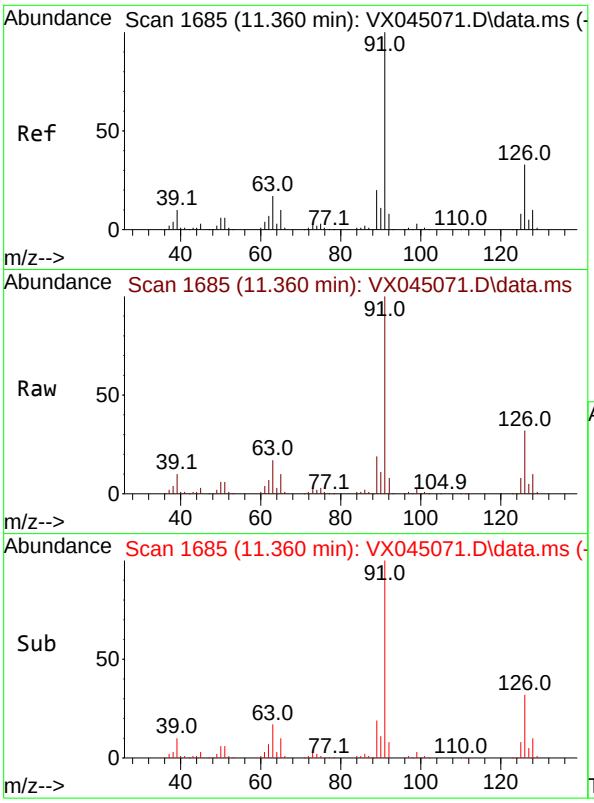


#78
n-propylbenzene
Concen: 51.546 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

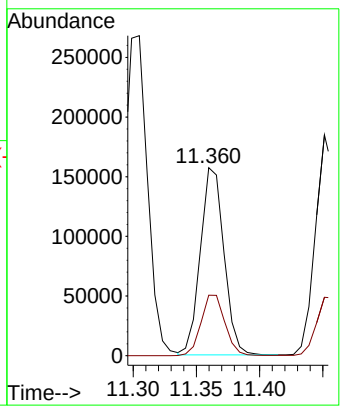
Tgt Ion: 91 Resp: 20448

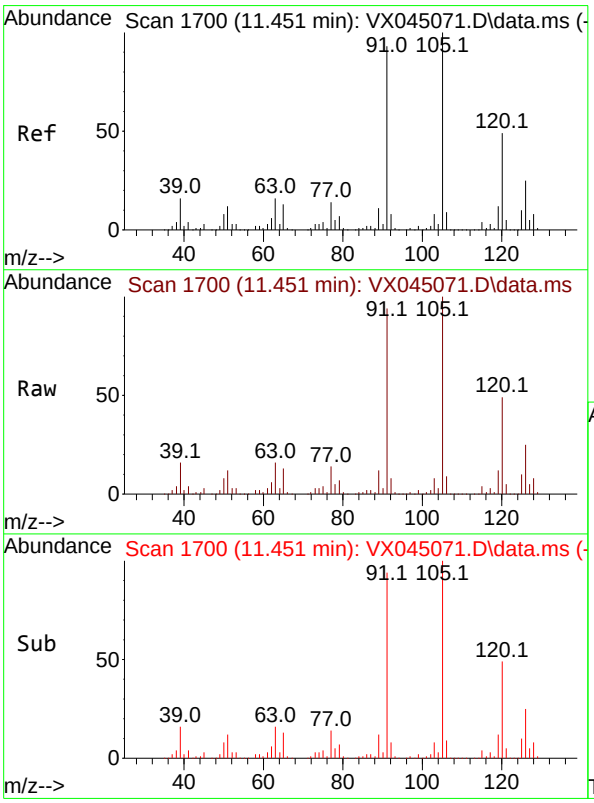
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

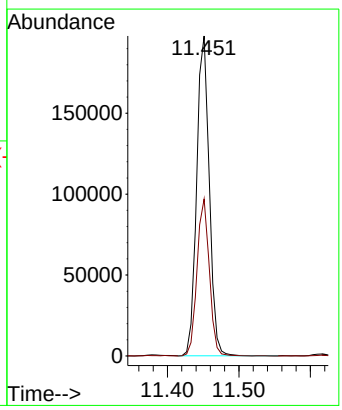


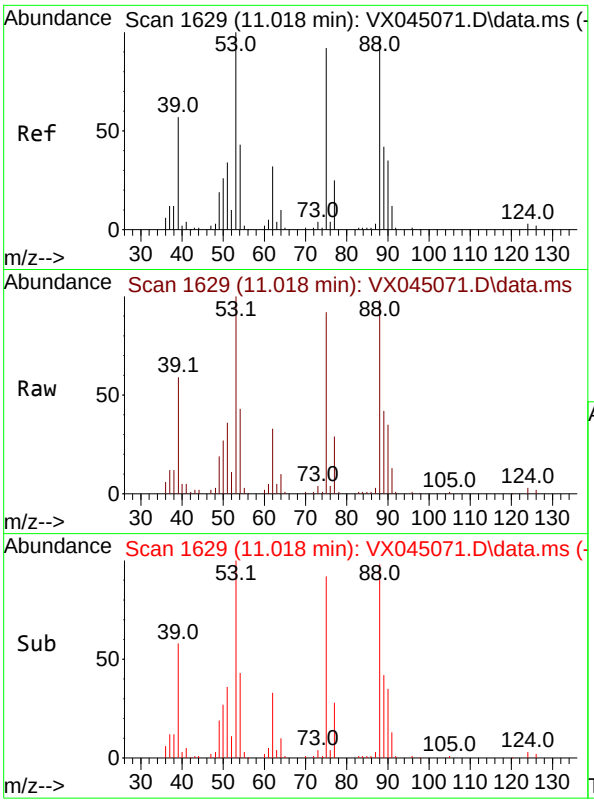


#80
1,3,5-Trimethylbenzene
Concen: 51.613 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

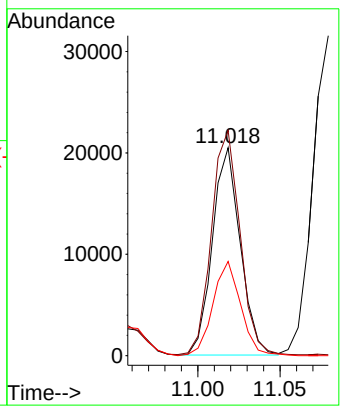
Tgt Ion: 75 Resp: 2413

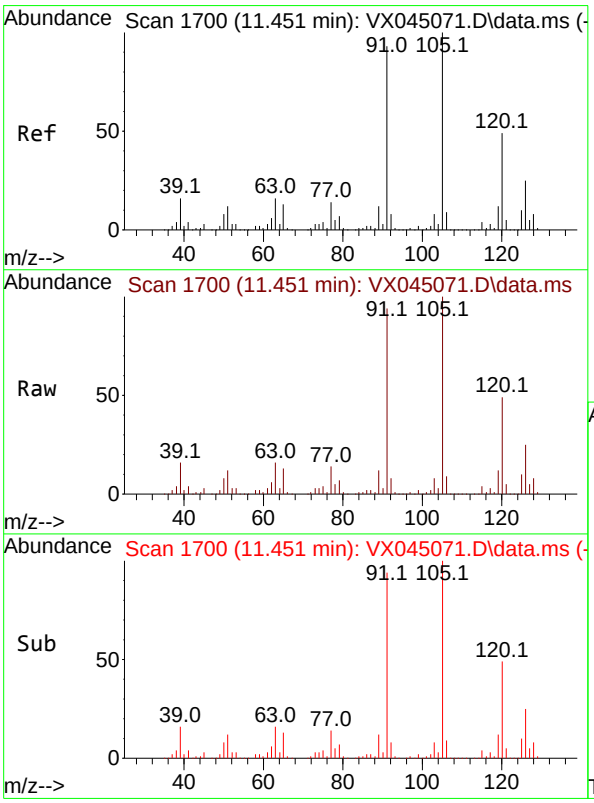
Ion	Ratio	Lower	Upper
75	100		
53	110.6	88.5	132.7
89	45.3	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

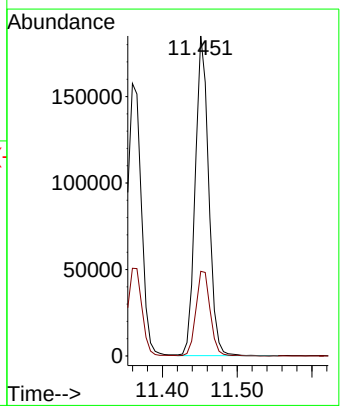


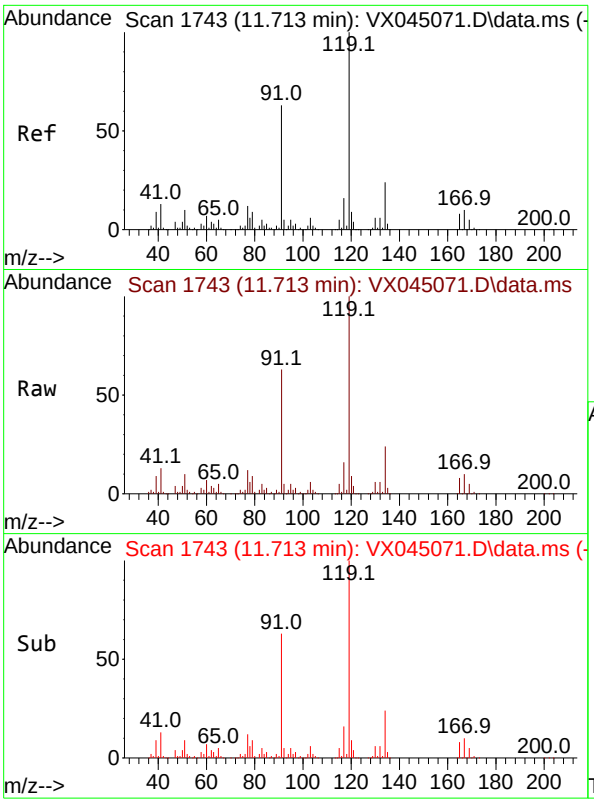


#82
4-Chlorotoluene
Concen: 51.072 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 230493

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4

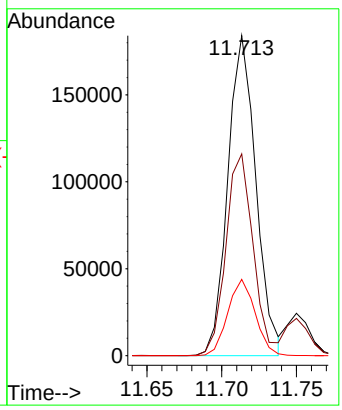




#83
tert-Butylbenzene
Concen: 50.895 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:119 Resp: 24051

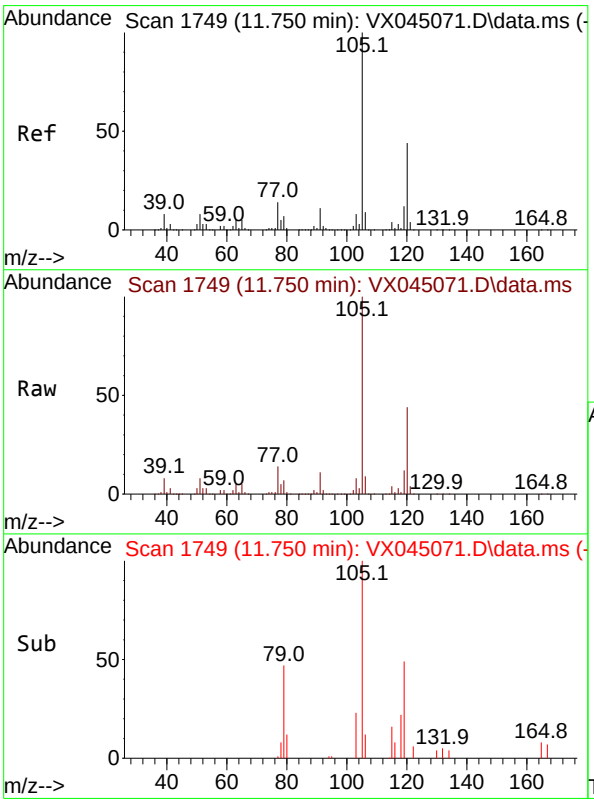
Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.7	92.1
134	23.3	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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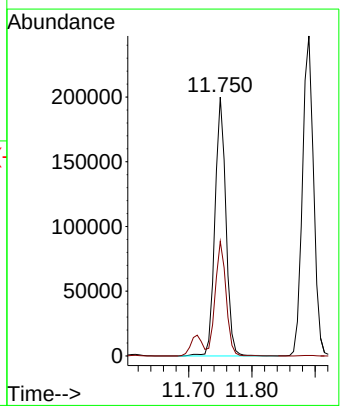
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

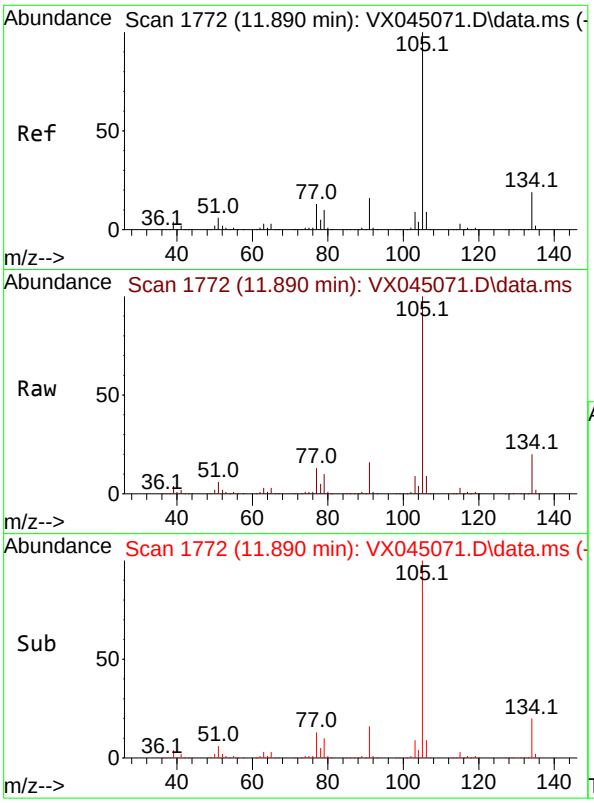


#84
1,2,4-Trimethylbenzene
Concen: 52.326 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

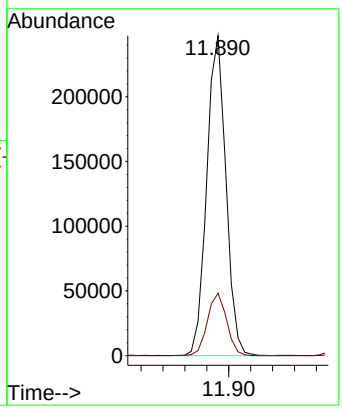
Tgt Ion:105 Resp: 30039

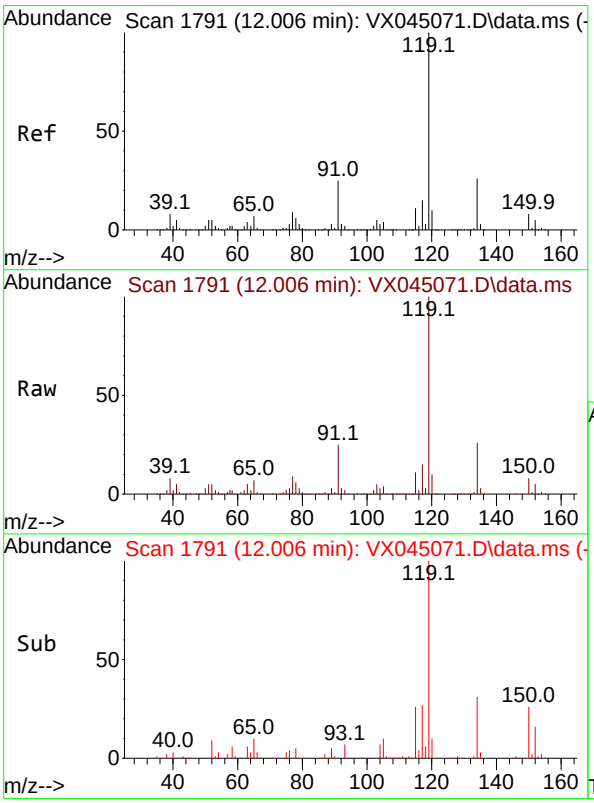
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

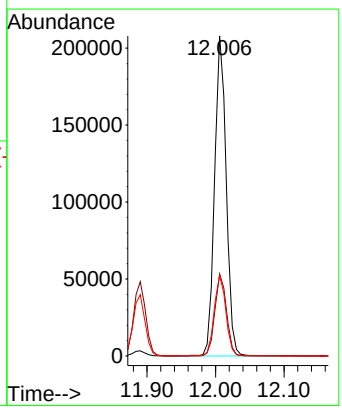


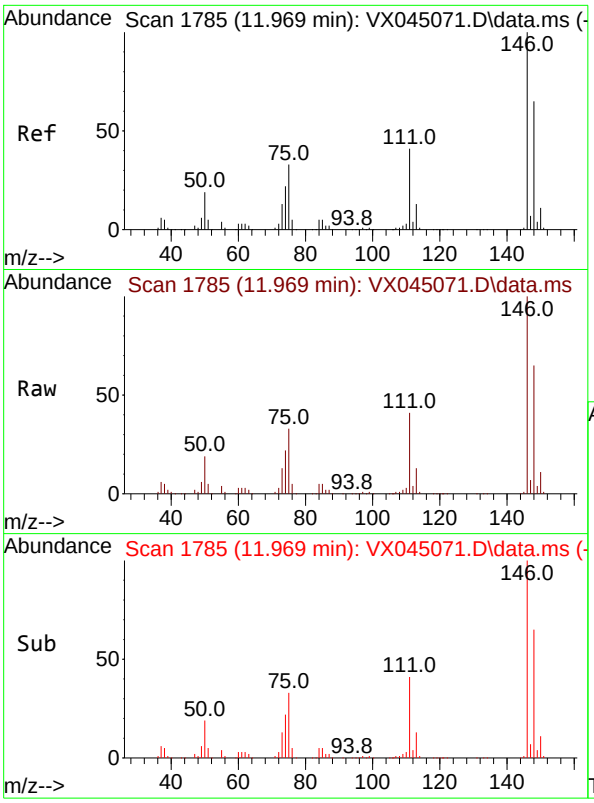


#86
p-Isopropyltoluene
Concen: 51.964 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

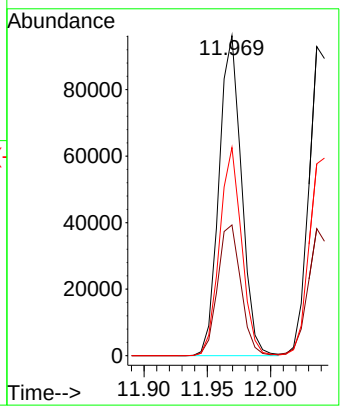
Tgt Ion:146 Resp: 11887

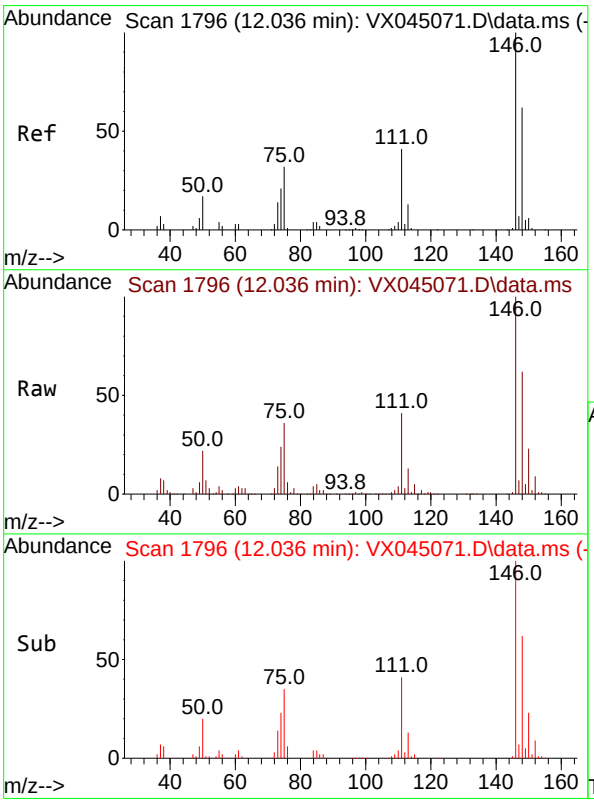
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.8	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

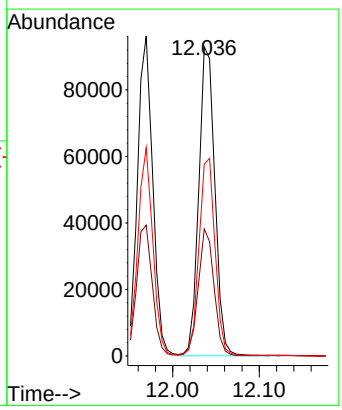


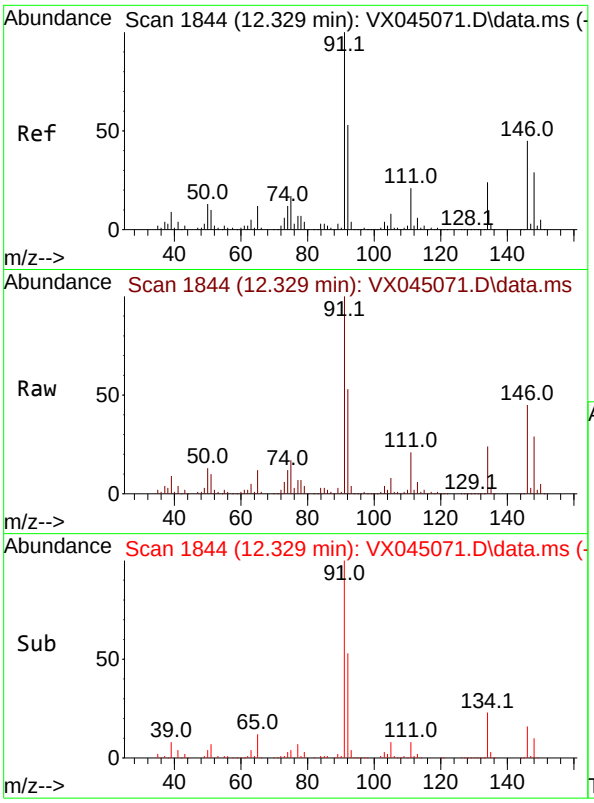


#88
1,4-Dichlorobenzene
Concen: 49.694 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

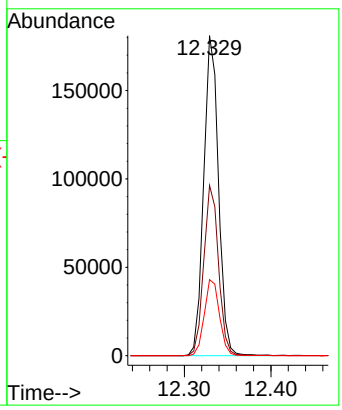




#89
n-Butylbenzene
Concen: 52.006 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 21468

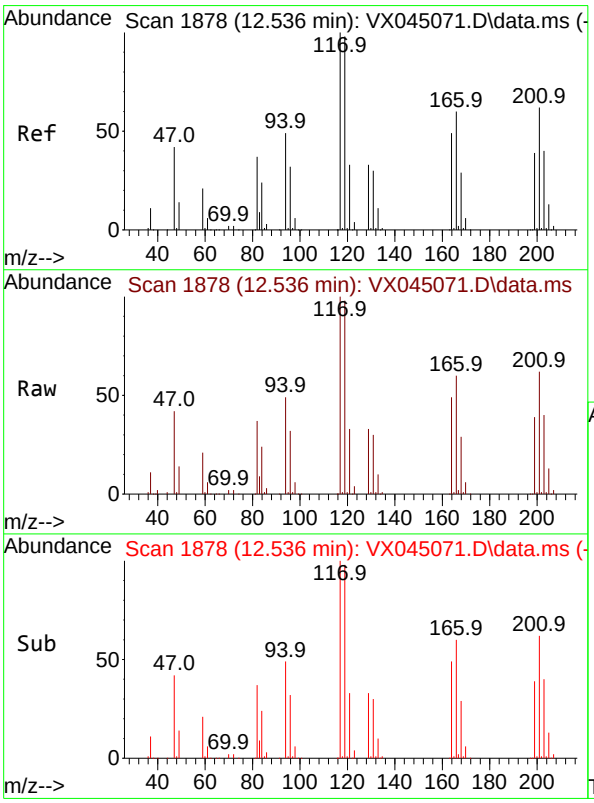
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.4	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

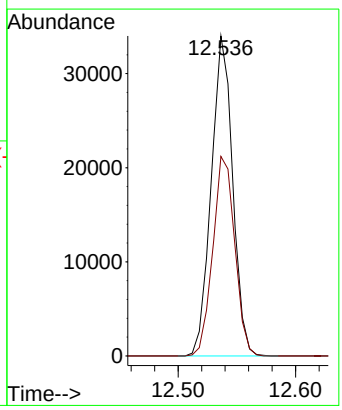
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

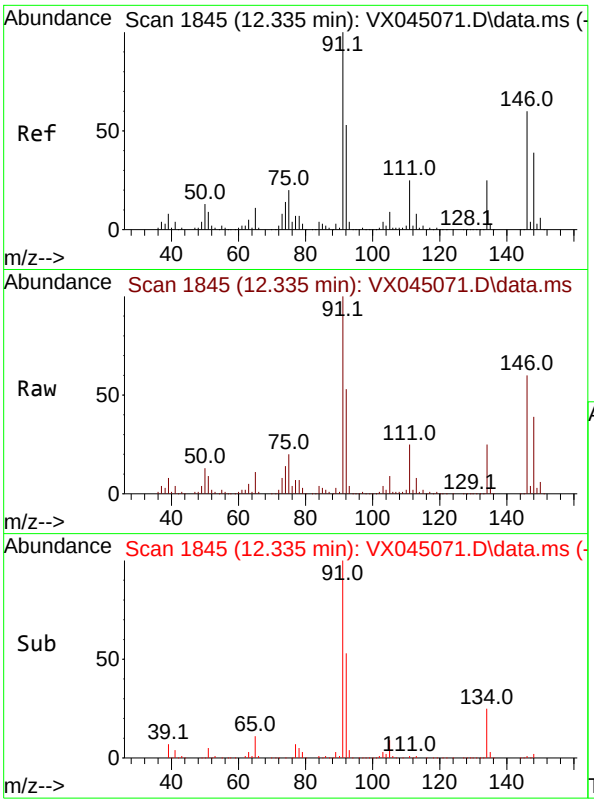


#90
Hexachloroethane
Concen: 49.188 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 43086

Ion	Ratio	Lower	Upper
117	100		
201	63.9	31.9	95.9

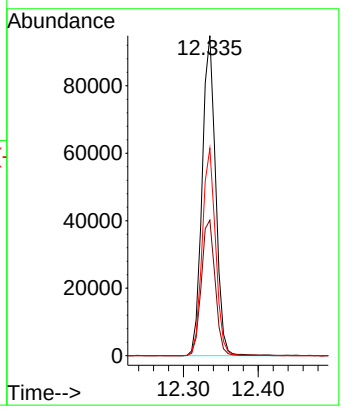




#91
1,2-Dichlorobenzene
Concen: 50.557 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:146 Resp: 11889

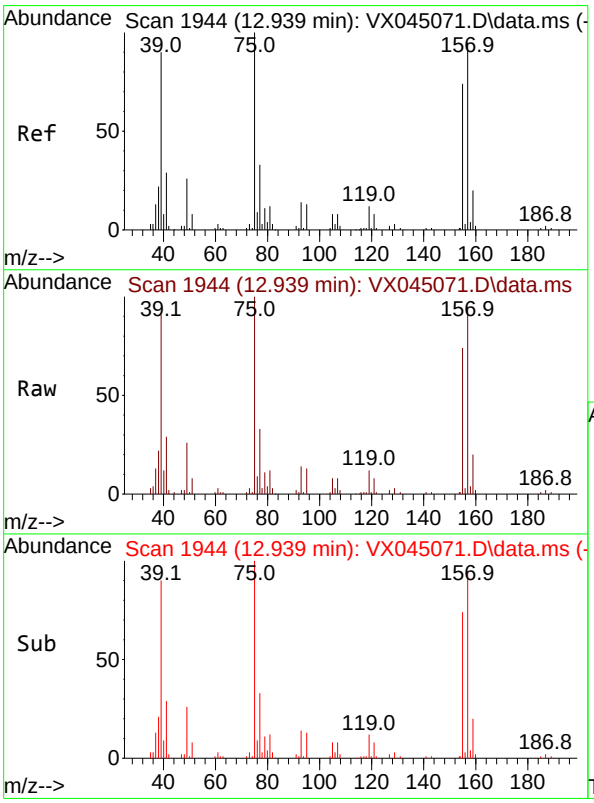
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

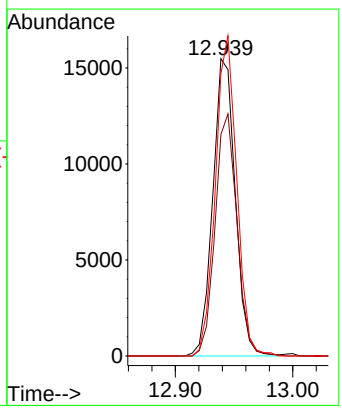
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

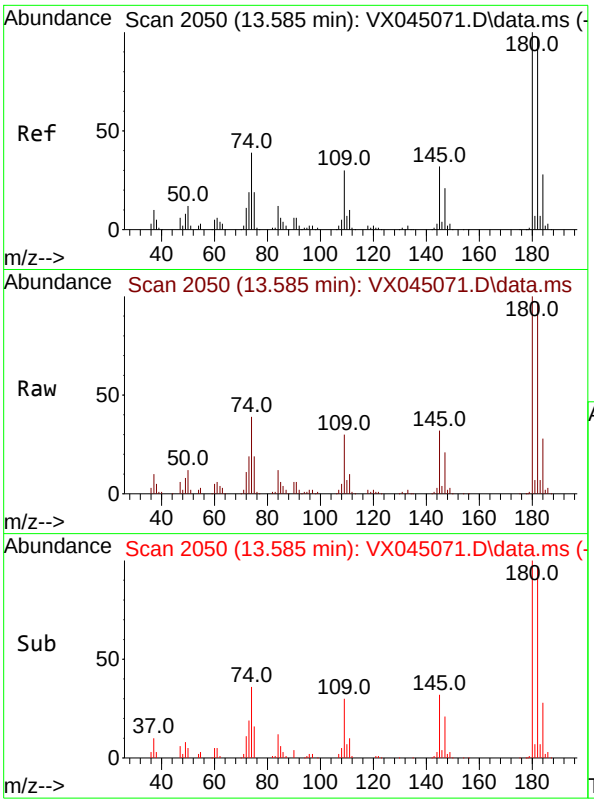


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.123 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

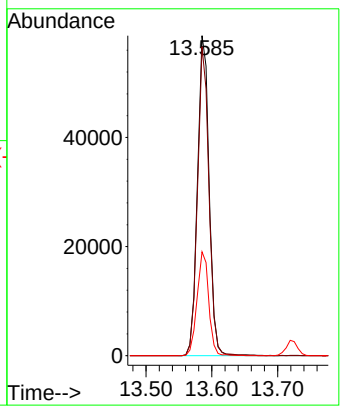
Tgt Ion:180 Resp: 7189

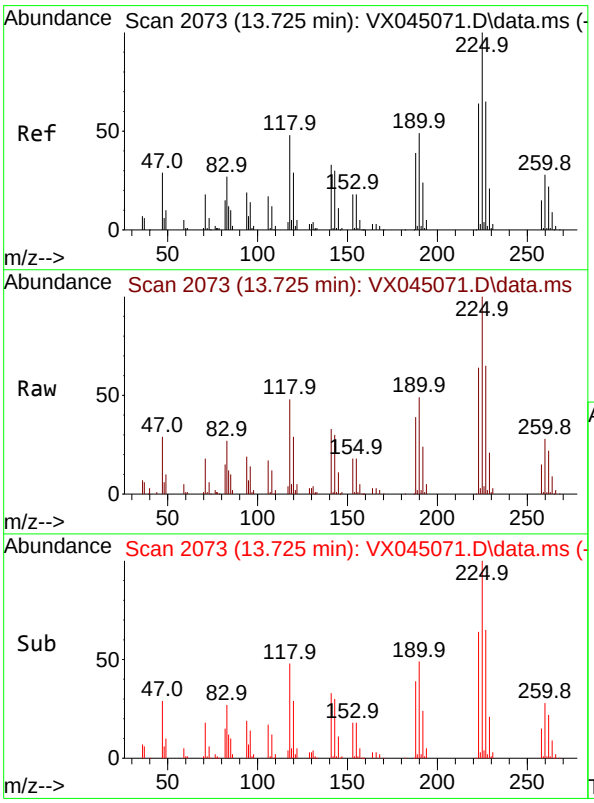
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	32.6	16.3	48.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

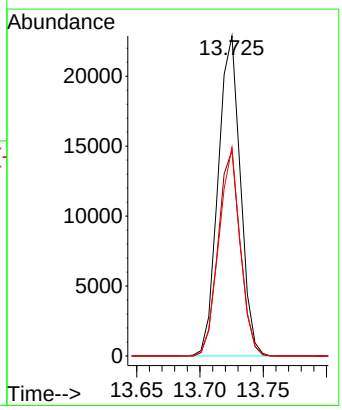


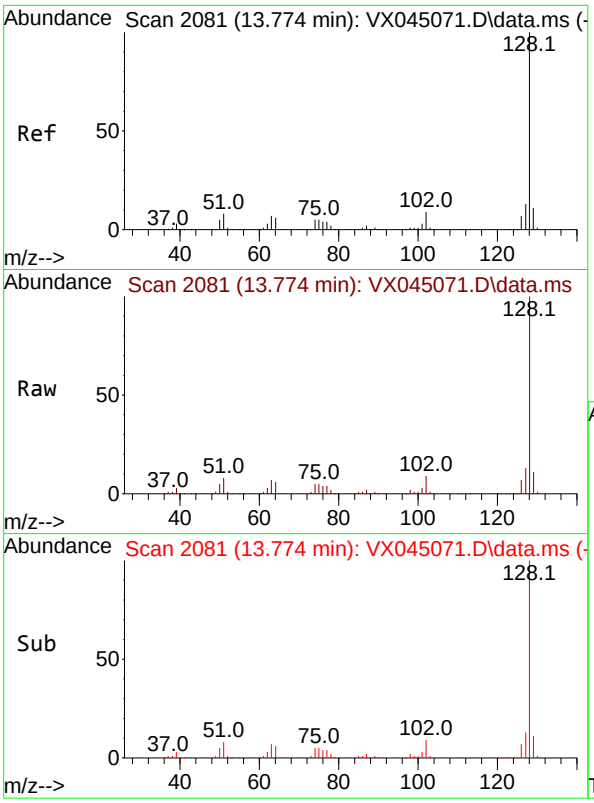


#94
Hexachlorobutadiene
Concen: 49.245 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

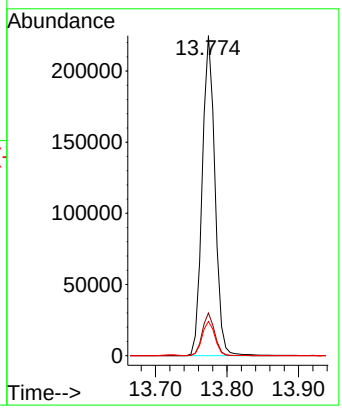




#95
Naphthalene
Concen: 53.700 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:128 Resp: 27808

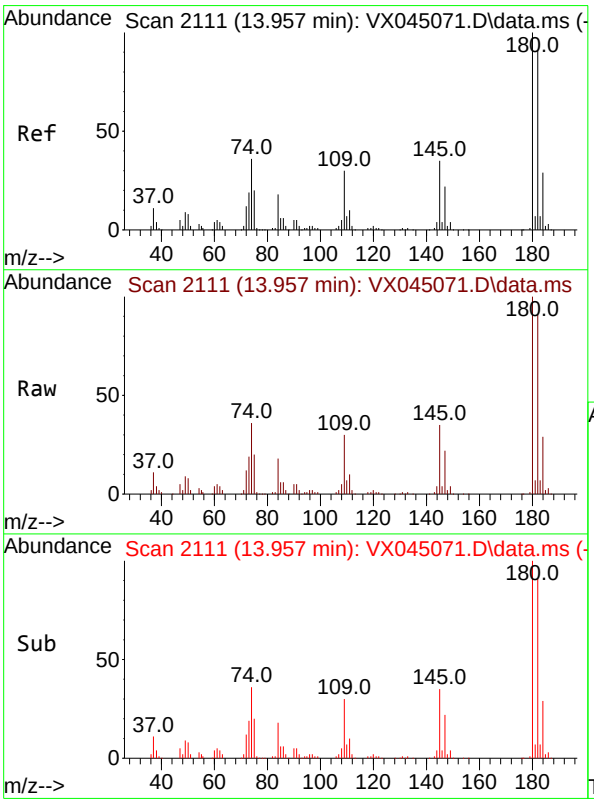
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

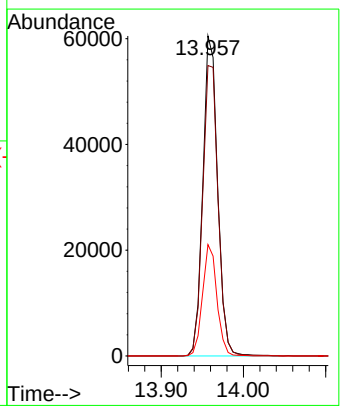
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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)

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

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

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

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

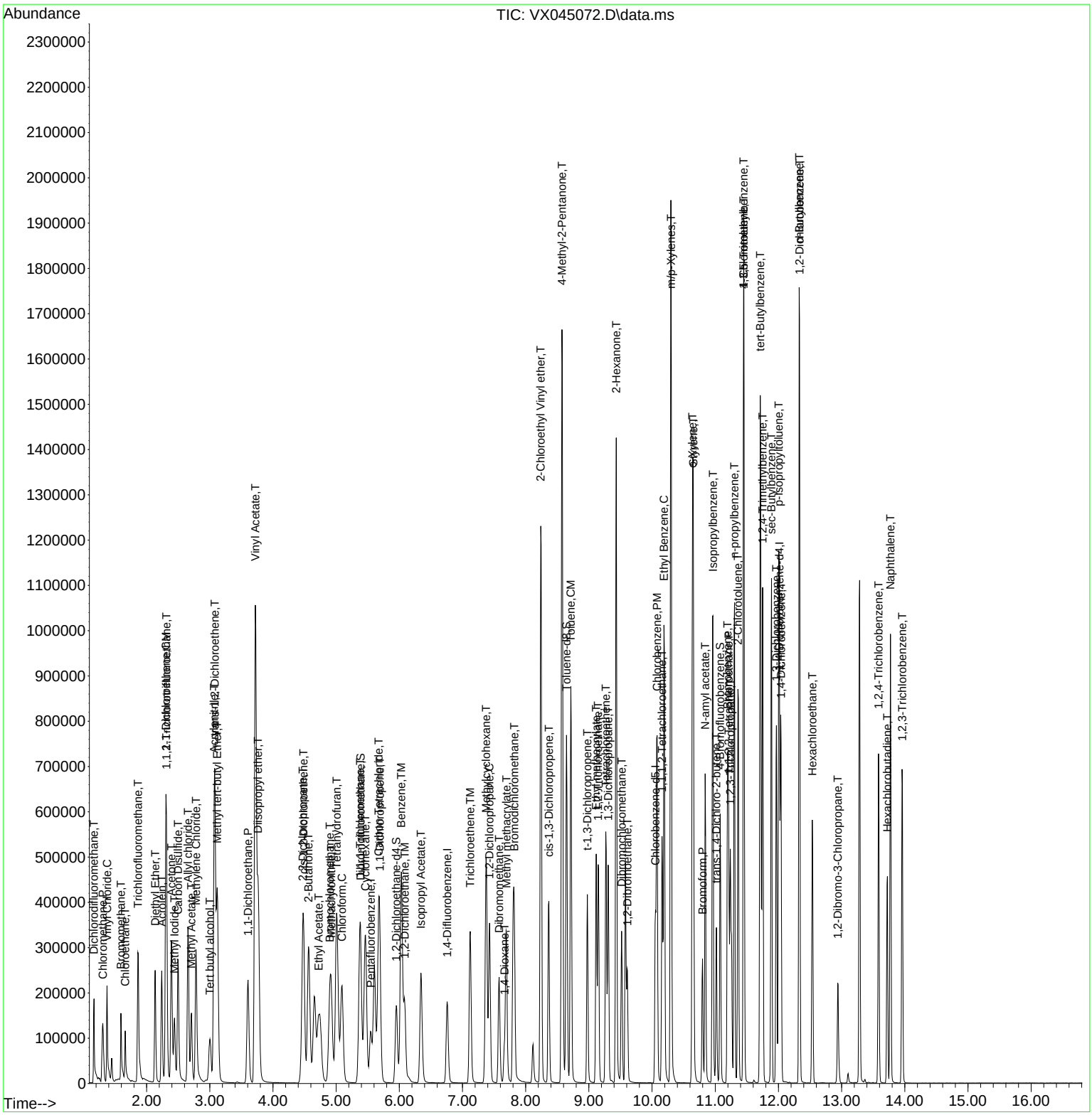
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045072.D
Acq On : 28 Feb 2025 03:23
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

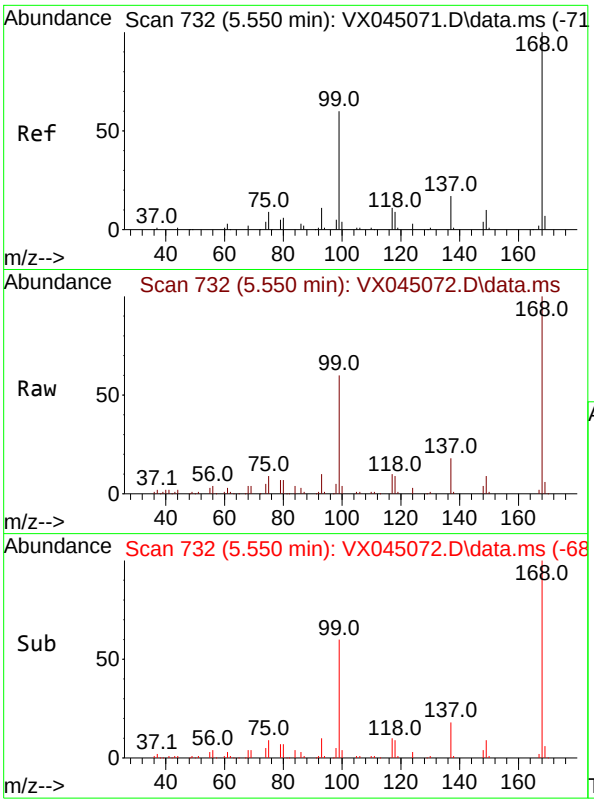
Quant Time: Feb 28 05:35:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

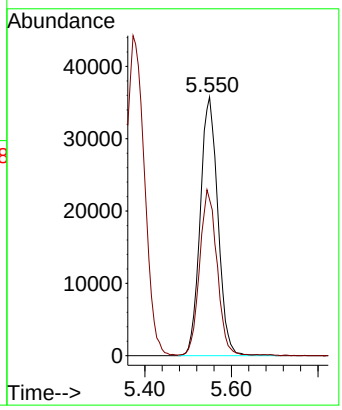




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:168 Resp: 10117

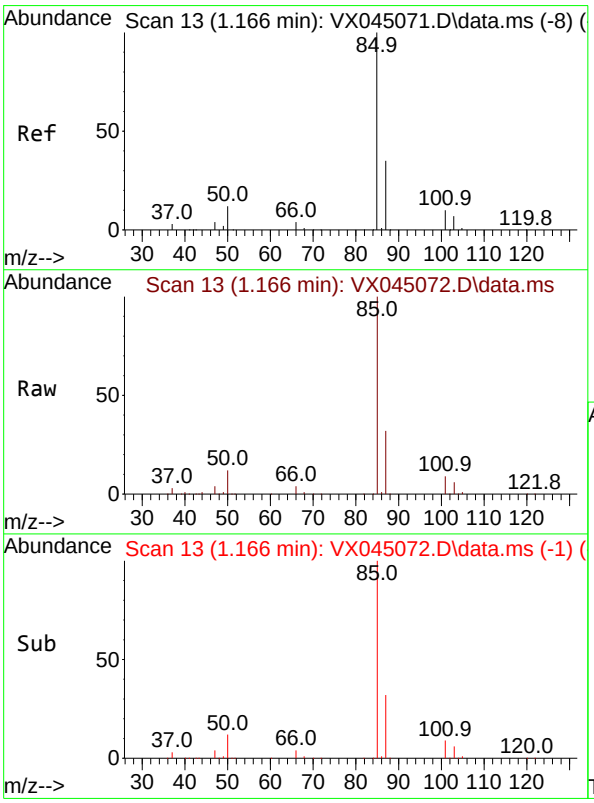
Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

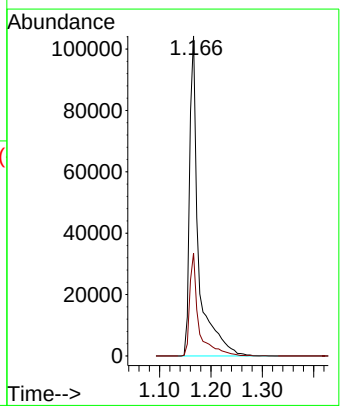
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

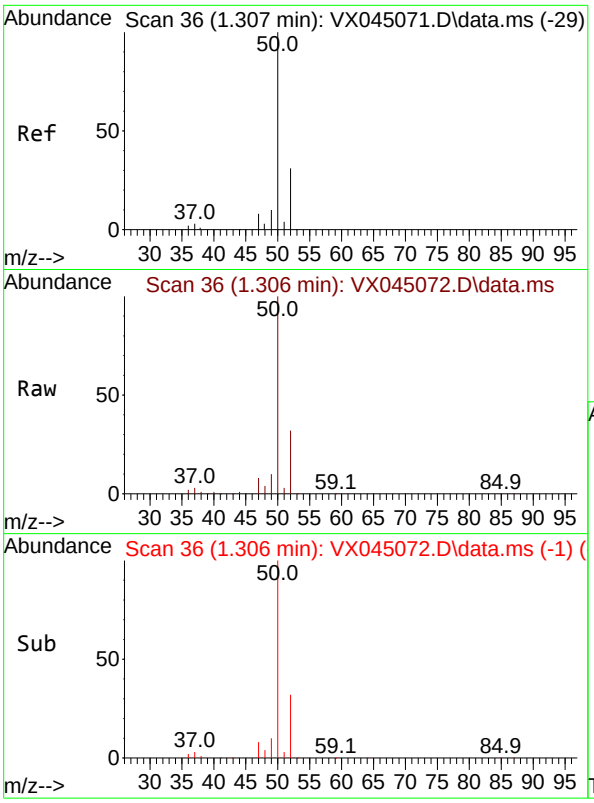


#2
Dichlorodifluoromethane
Concen: 90.869 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 85 Resp: 126718

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.4	52.3

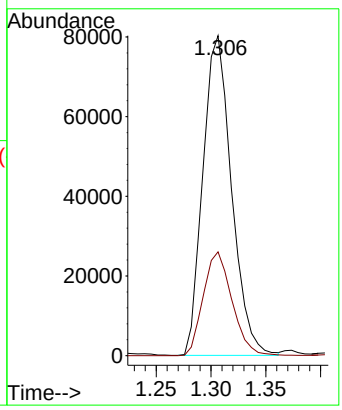




#3
Chloromethane
Concen: 85.936 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 50 Resp: 14582

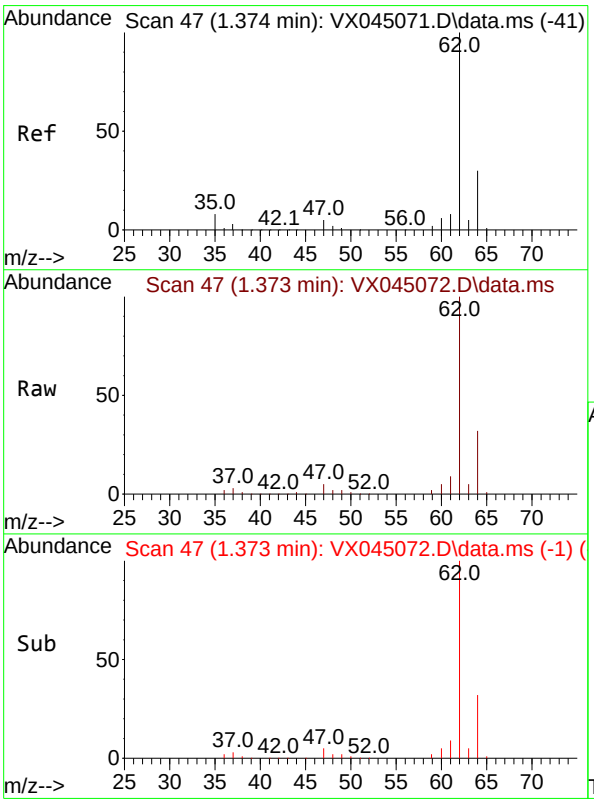
Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

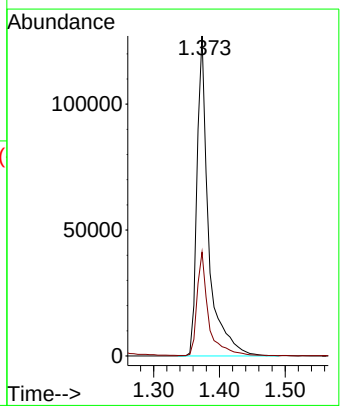
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

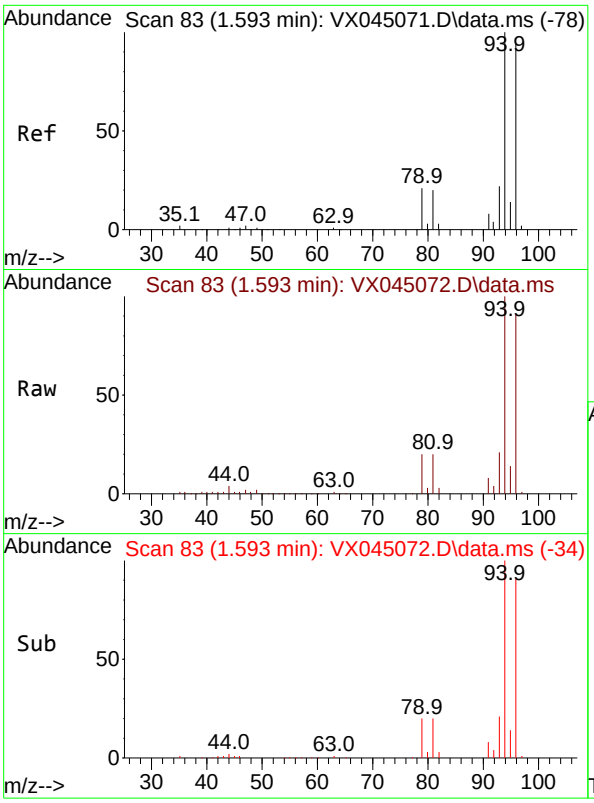


#4
Vinyl Chloride
Concen: 93.360 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 154734

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.3	36.5

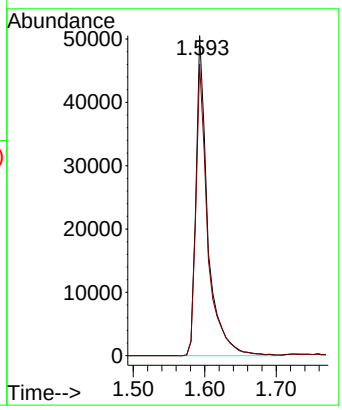




#5
Bromomethane
Concen: 110.980 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 94 Resp: 5750

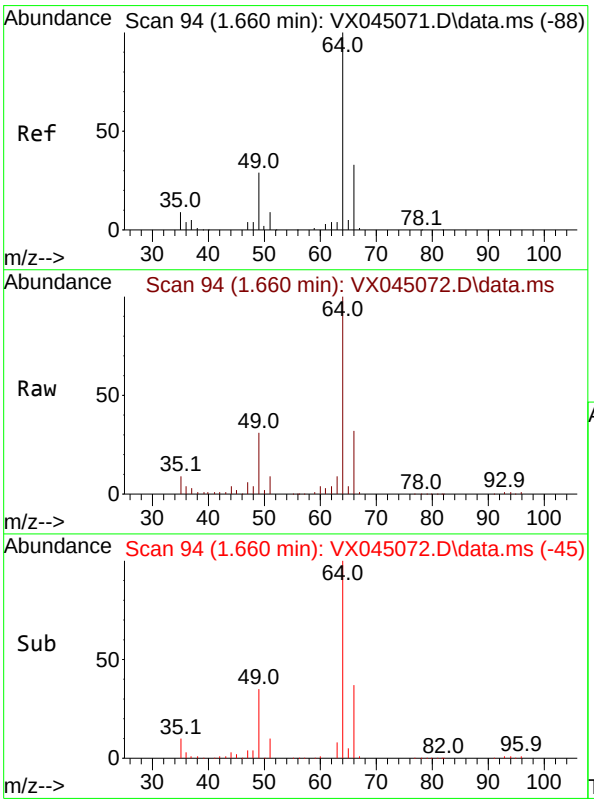
Ion	Ratio	Lower	Upper
94	100		
96	91.2	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

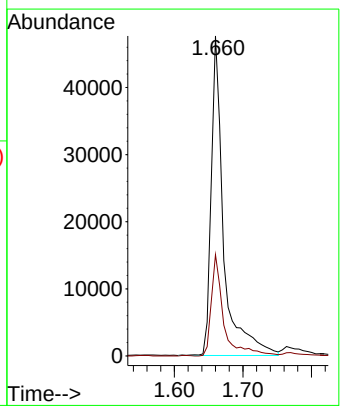
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

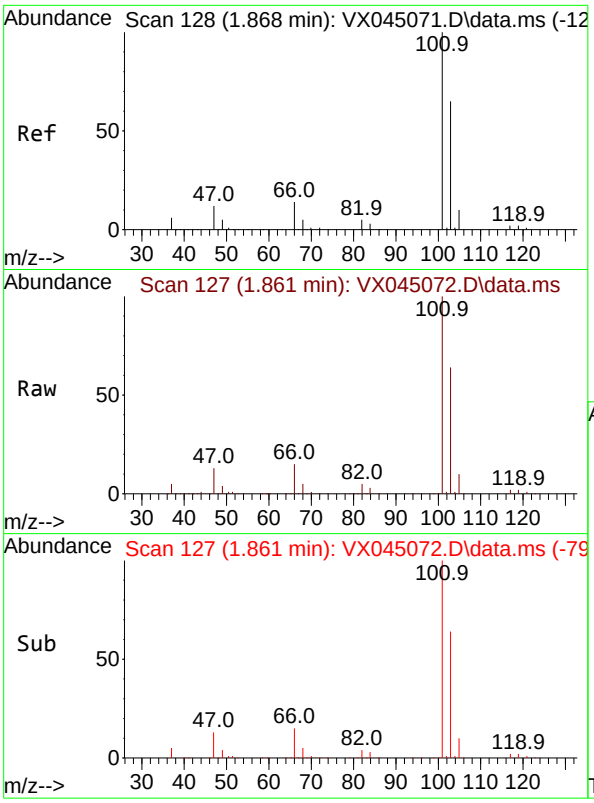


#6
Chloroethane
Concen: 95.351 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

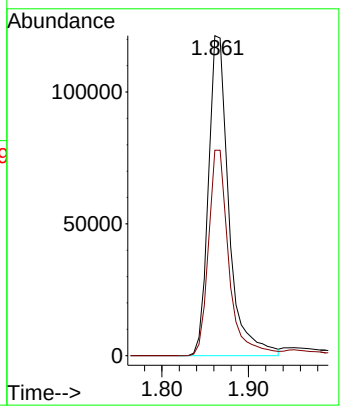
Tgt Ion:101 Resp: 19870

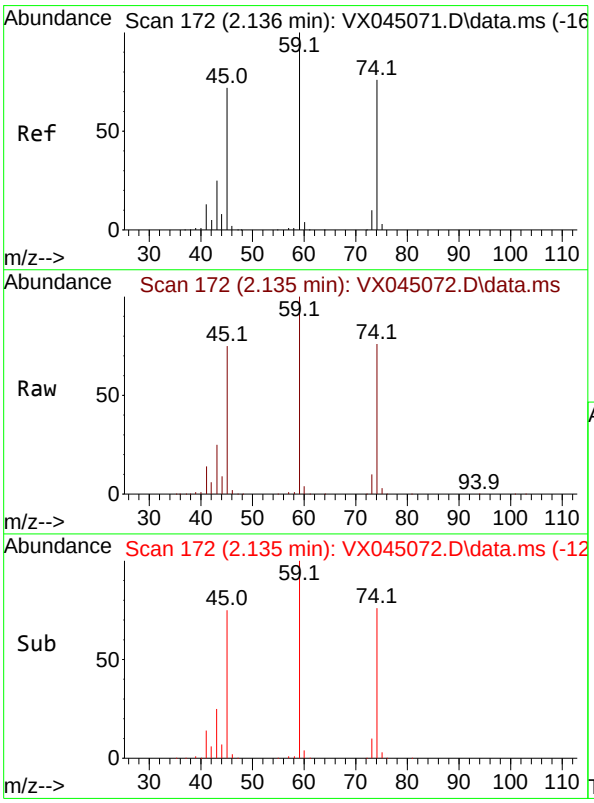
Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

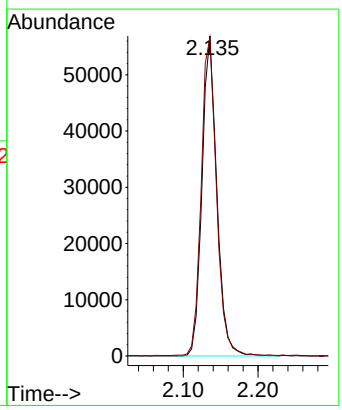


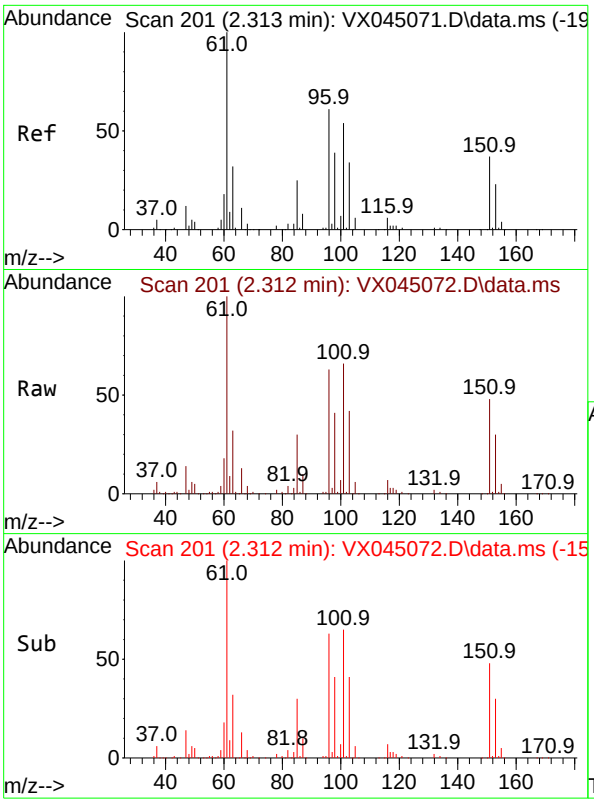


#8
Diethyl Ether
Concen: 101.441 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

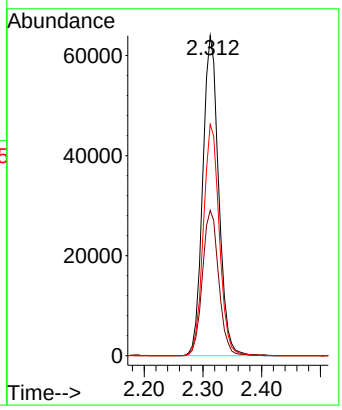
Tgt Ion:101 Resp: 12051

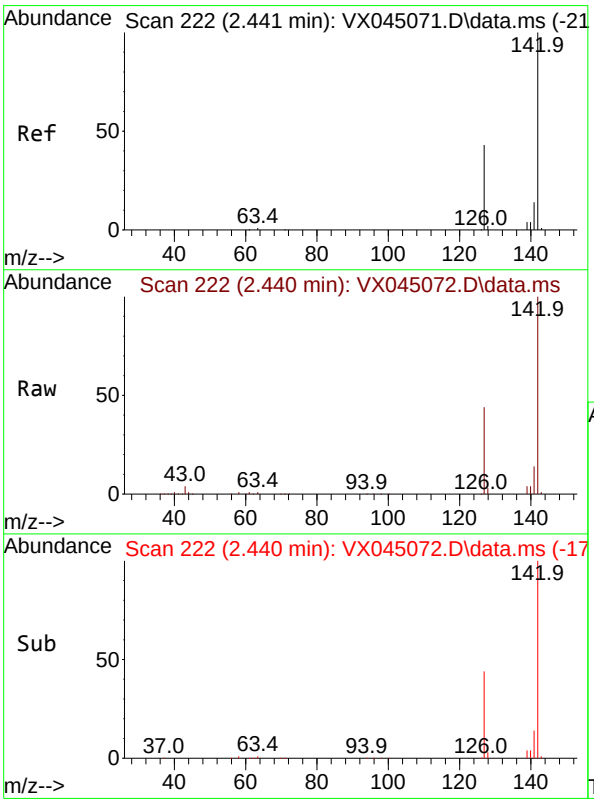
Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	72.4	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

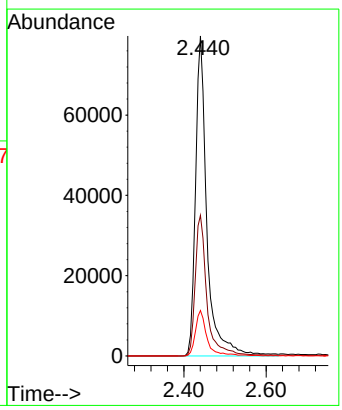


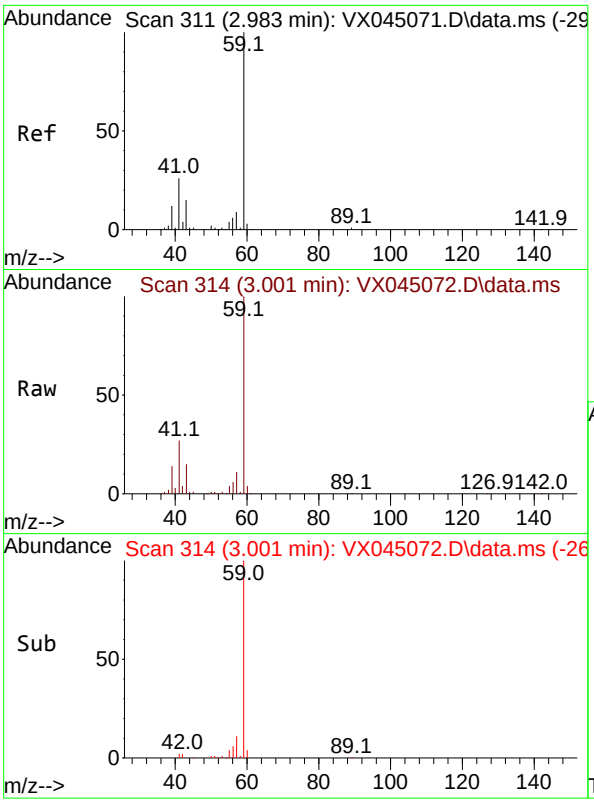


#10
Methyl Iodide
Concen: 94.425 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

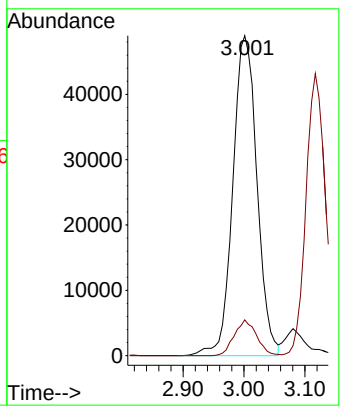




#11
Tert butyl alcohol
Concen: 493.141 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 59 Resp: 13501

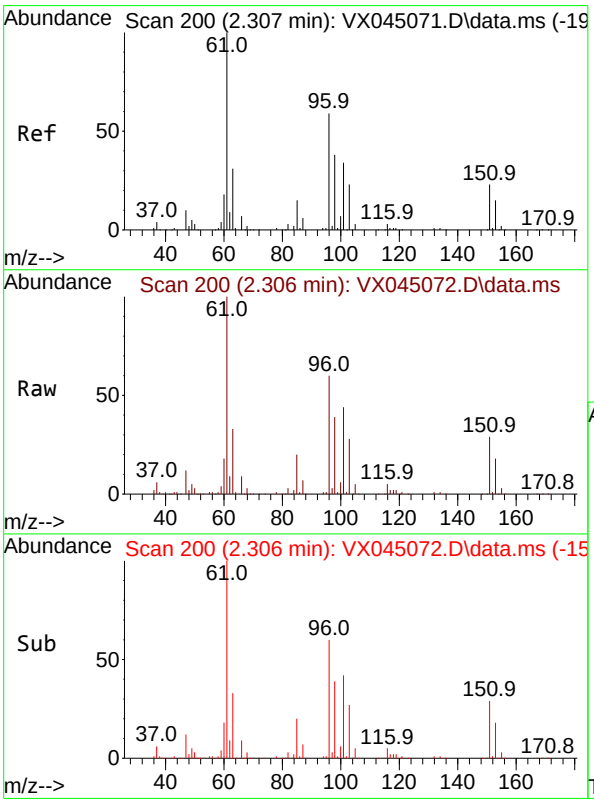
Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

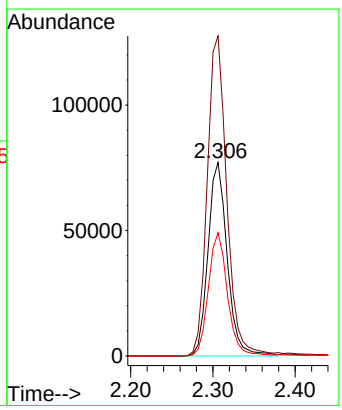
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

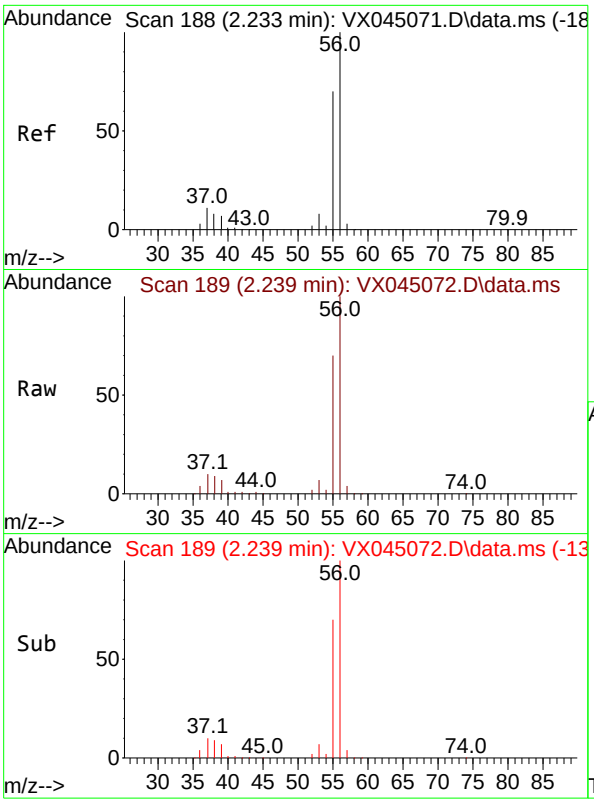


#12
1,1-Dichloroethene
Concen: 96.366 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

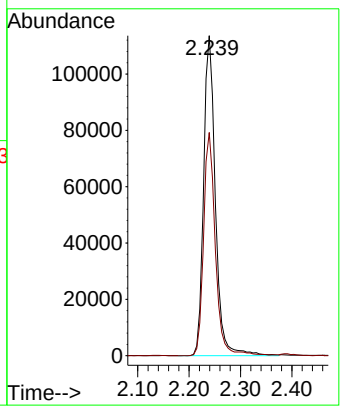




#13
Acrolein
Concen: 608.485 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 56 Resp: 18041

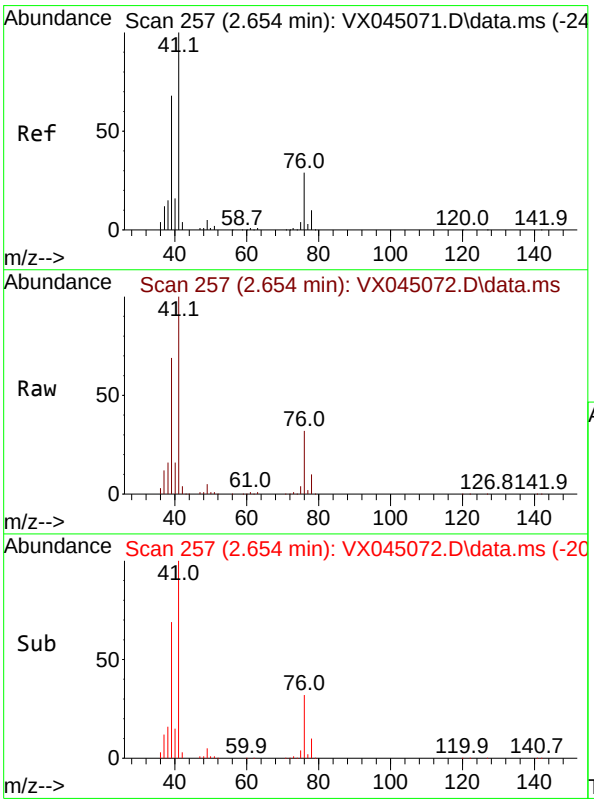
Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

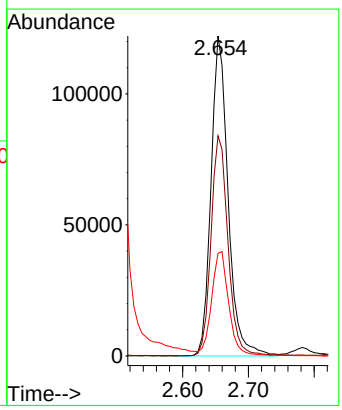
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

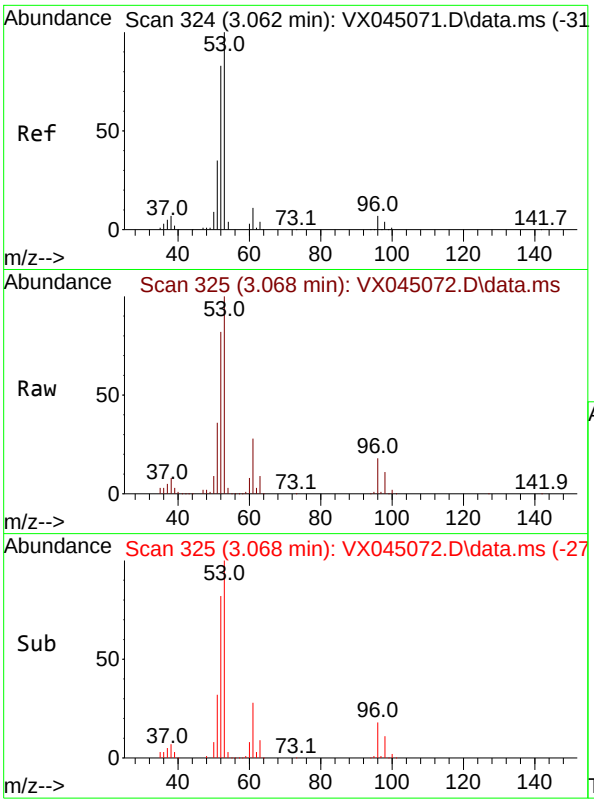


#14
Allyl chloride
Concen: 94.344 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

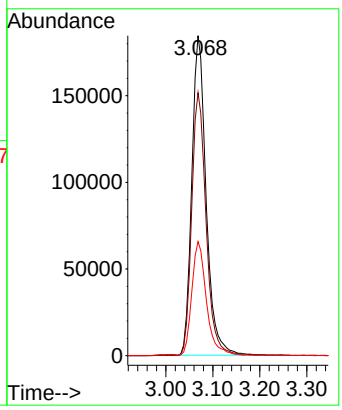




#15
Acrylonitrile
Concen: 526.749 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 53 Resp: 39194

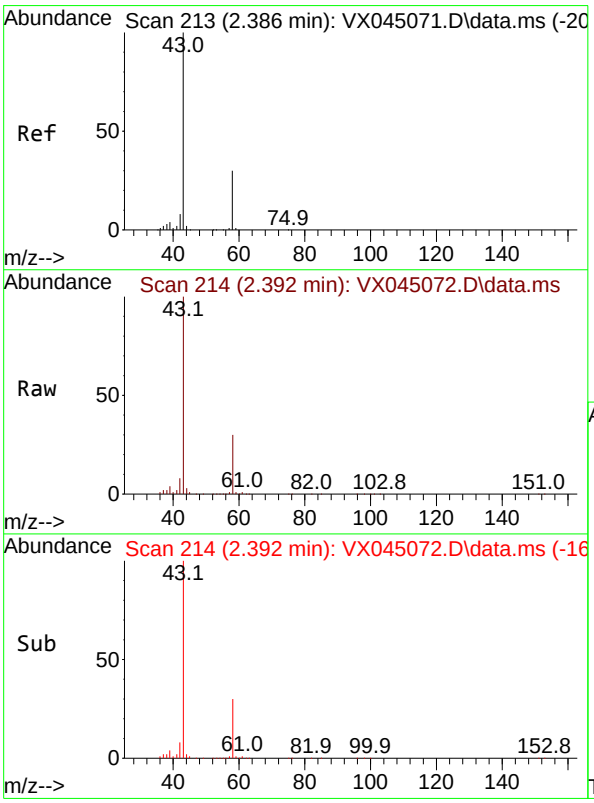
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.6	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

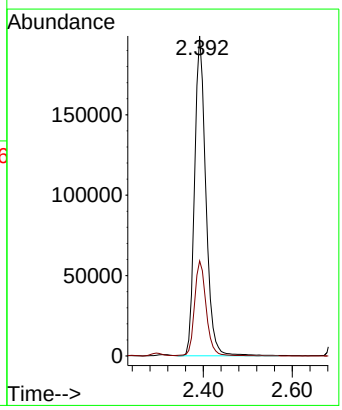
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

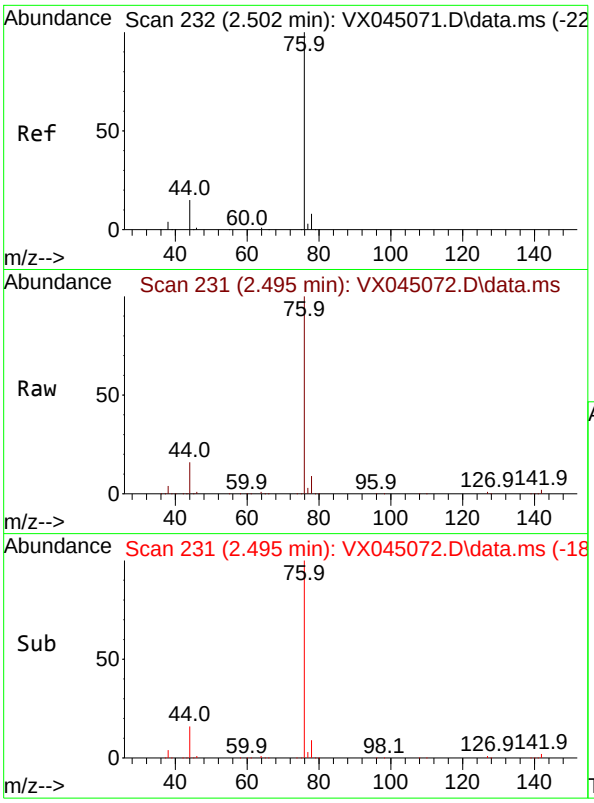


#16
Acetone
Concen: 566.991 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

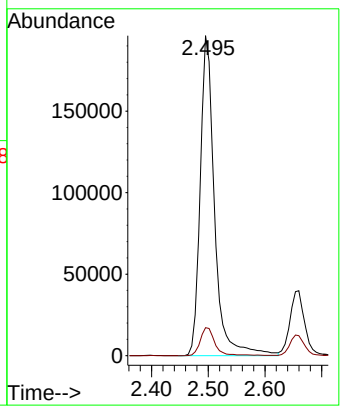
Tgt Ion: 76 Resp: 34557

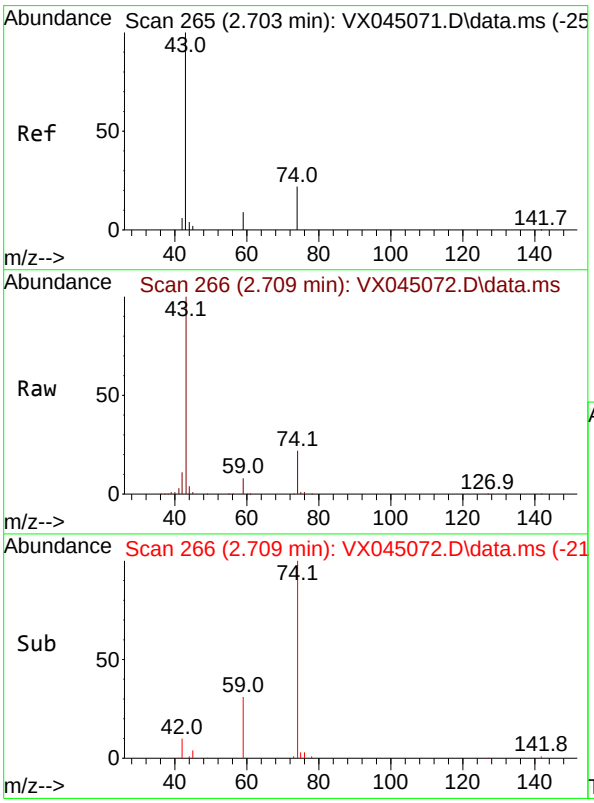
Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

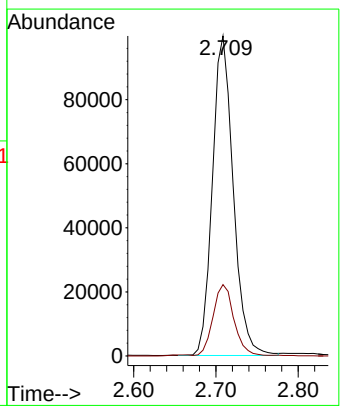


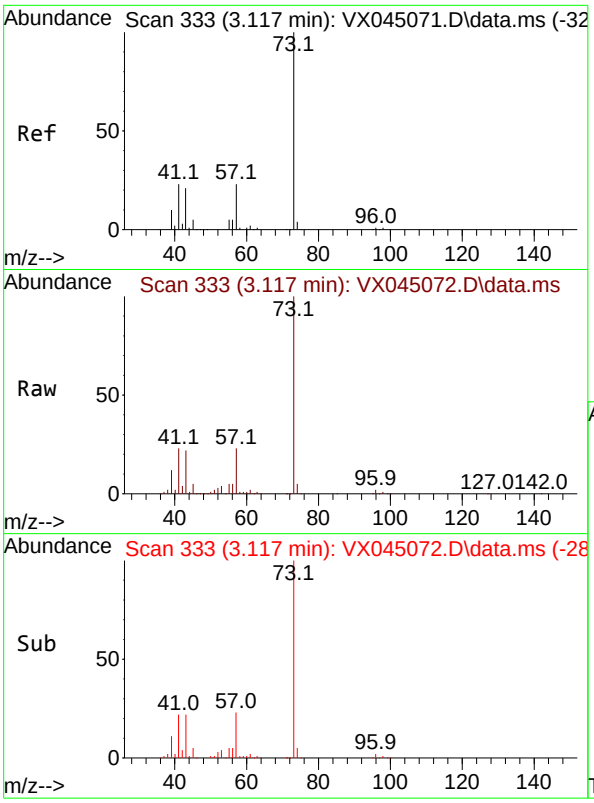


#18
Methyl Acetate
Concen: 94.899 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 175784

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2

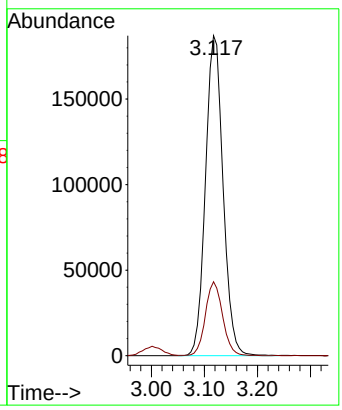




#19
Methyl tert-butyl Ether
Concen: 103.661 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 73 Resp: 43141

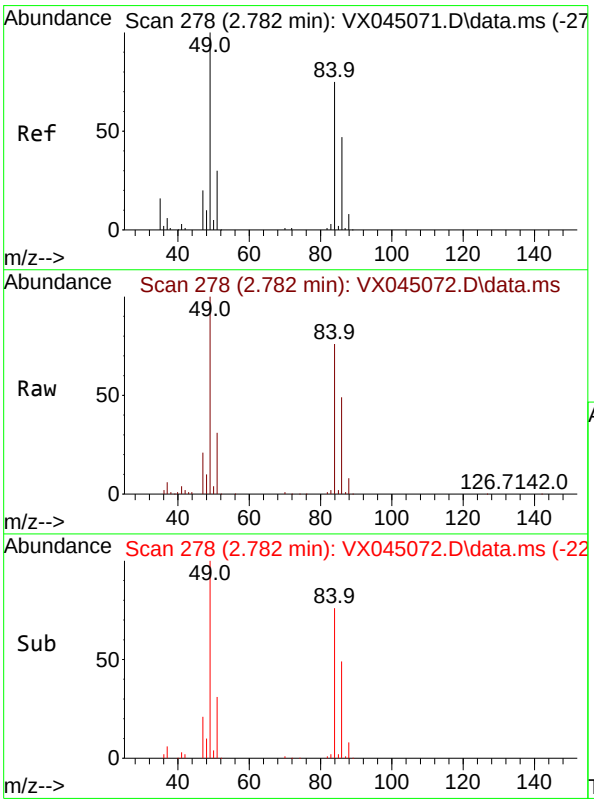
Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

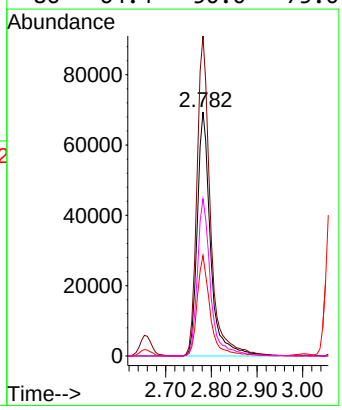
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

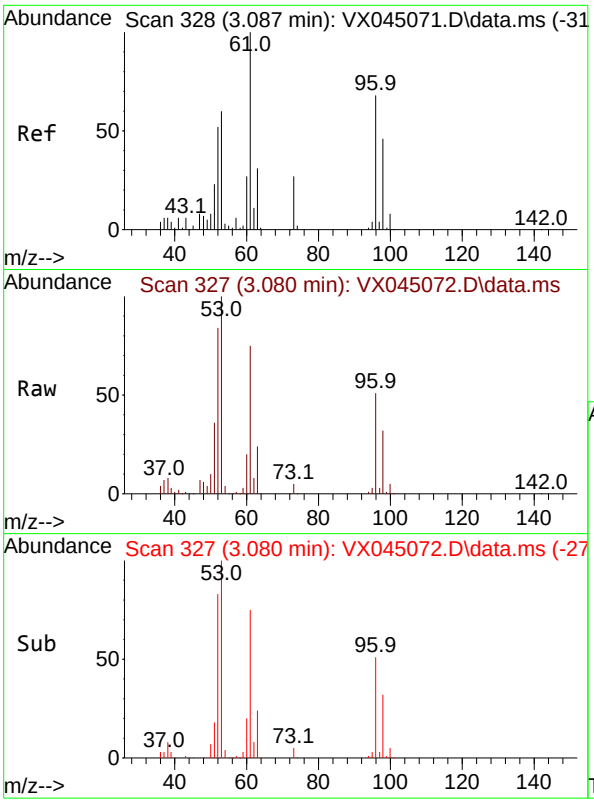


#20
Methylene Chloride
Concen: 96.381 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

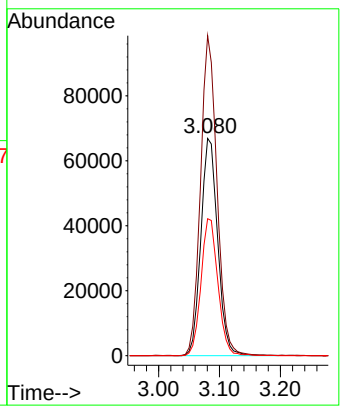
Tgt Ion: 96 Resp: 12823

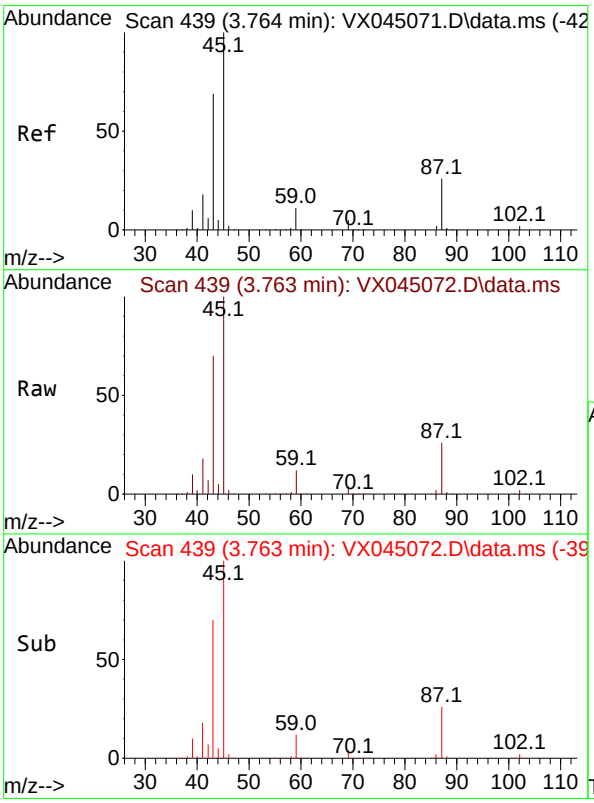
Ion	Ratio	Lower	Upper
96	100		
61	147.3	117.0	175.4
98	63.0	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

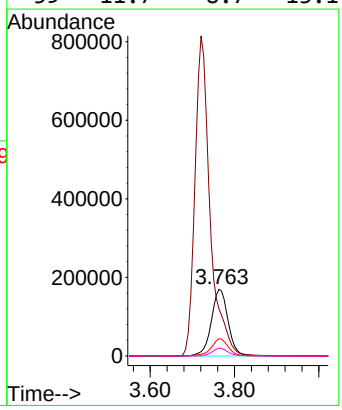


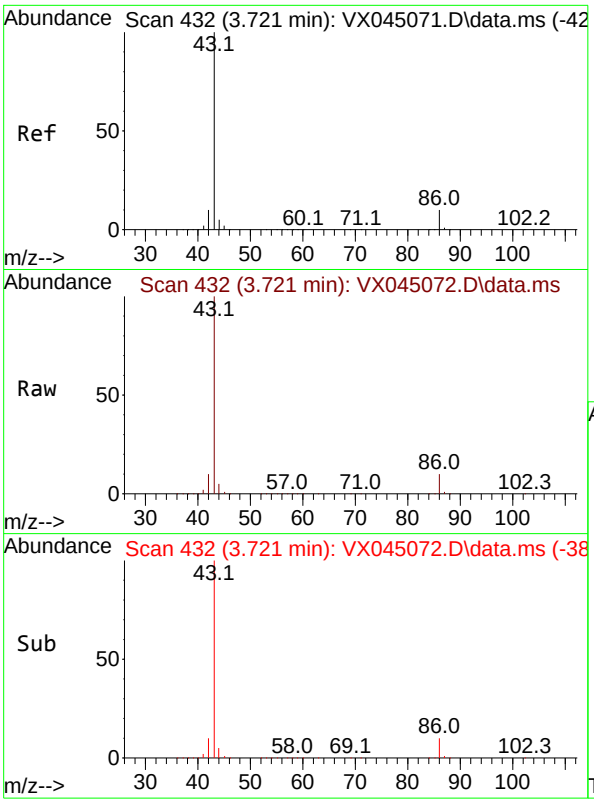


#22
Diisopropyl ether
Concen: 104.489 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

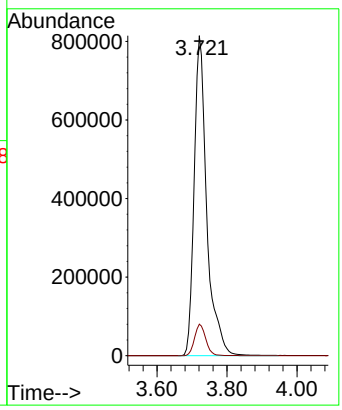




#23
Vinyl Acetate
Concen: 554.219 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 203588

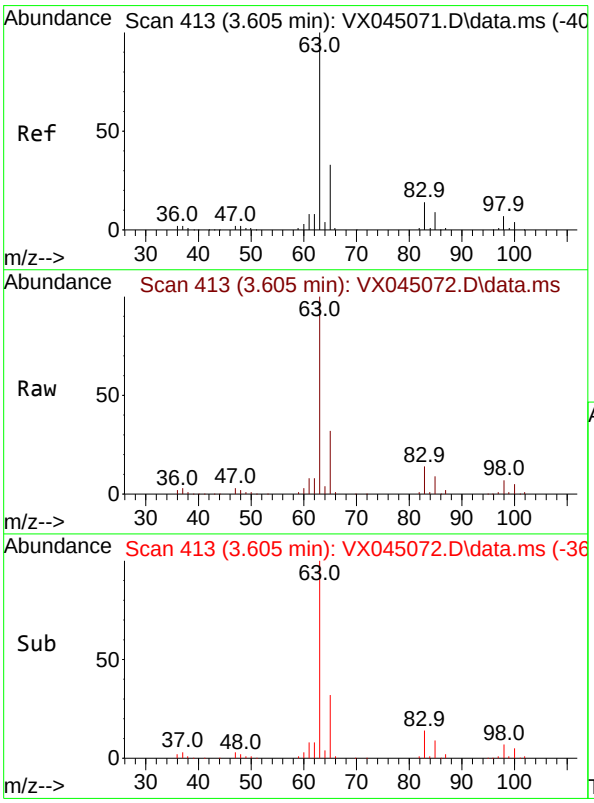
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

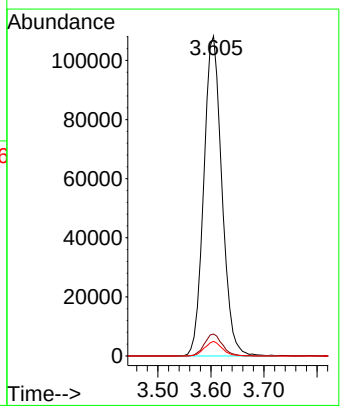
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

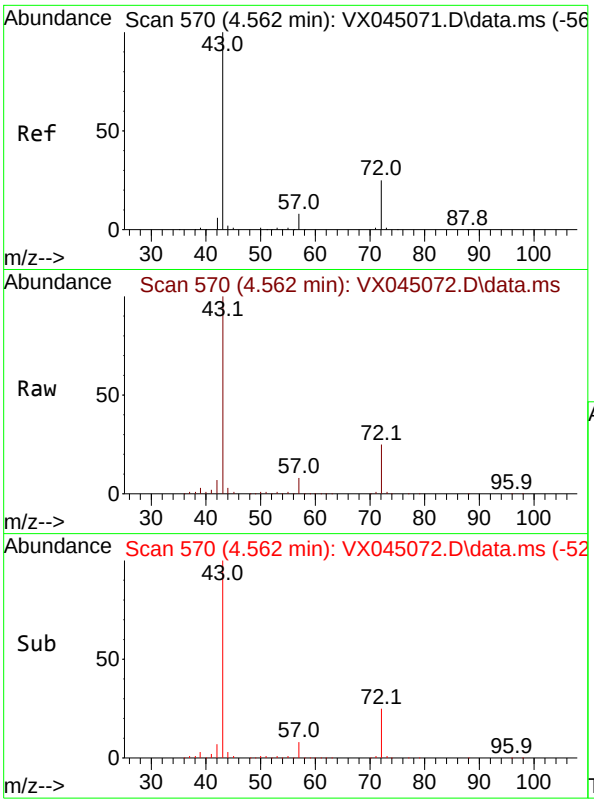


#24
1,1-Dichloroethane
Concen: 102.805 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

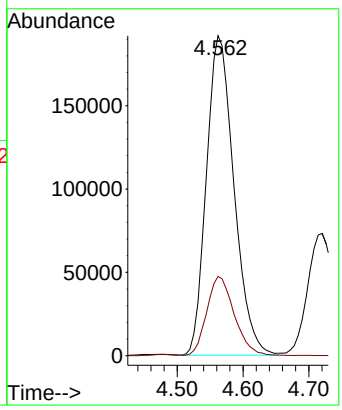




#25
2-Butanone
Concen: 563.952 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 55918

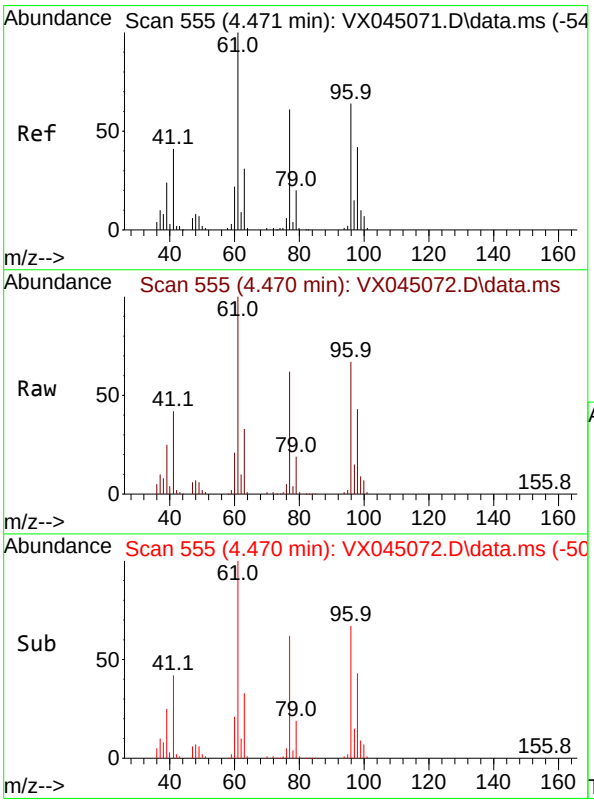
Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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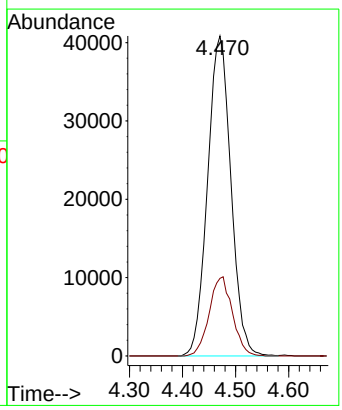
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

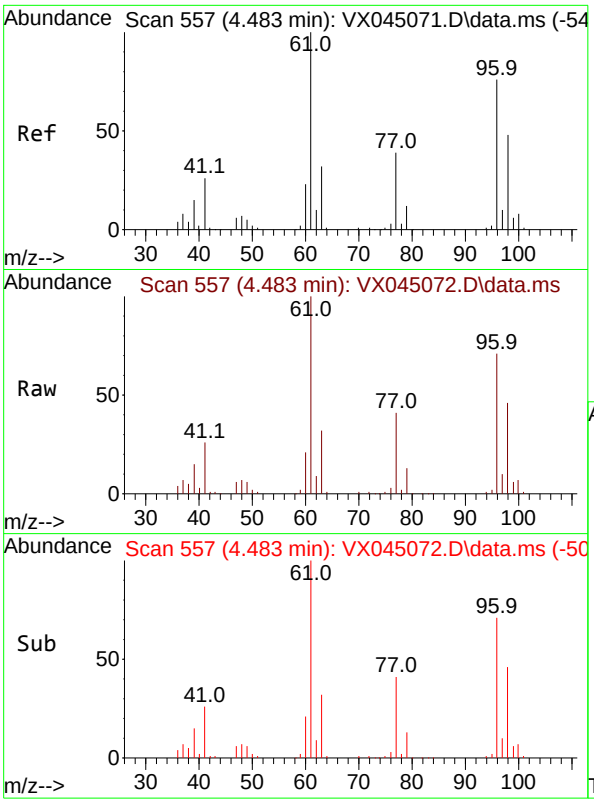


#26
2,2-Dichloropropane
Concen: 67.148 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

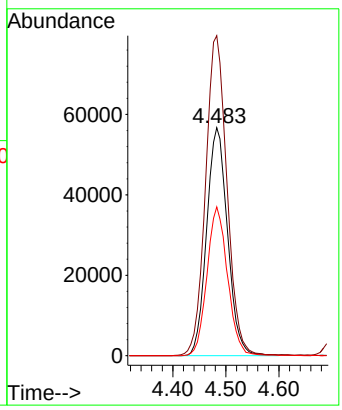
Tgt Ion: 96 Resp: 15519

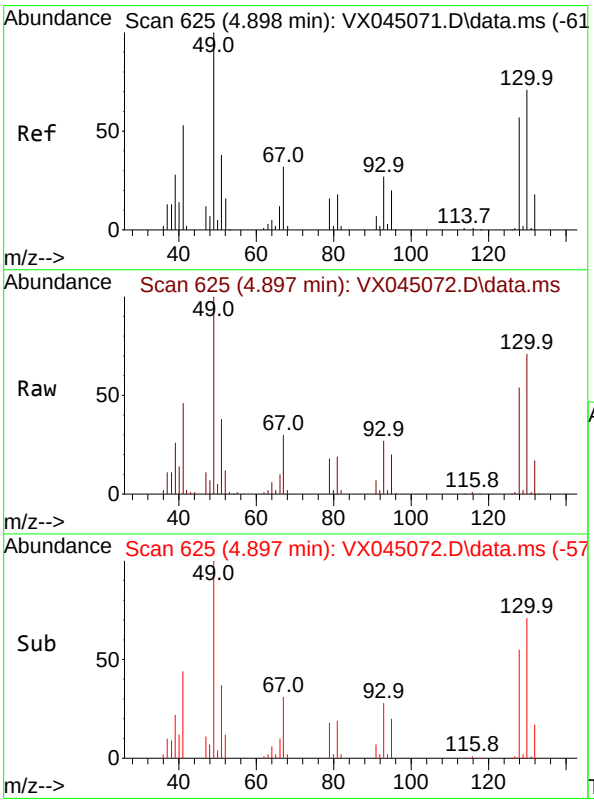
Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	283.2
98	64.3	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

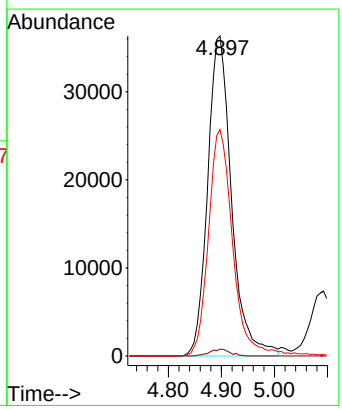


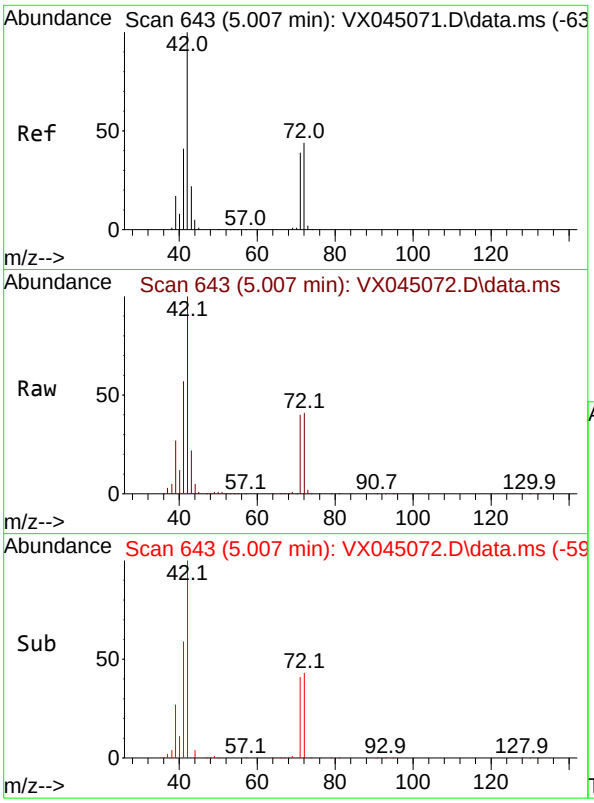


#28
Bromochloromethane
Concen: 94.428 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

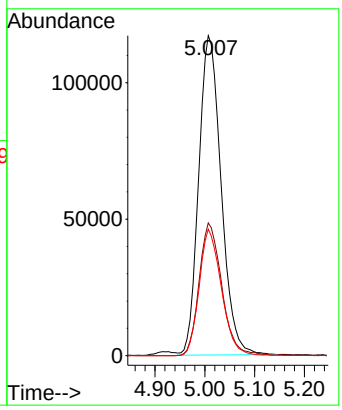
Tgt Ion: 42 Resp: 36556

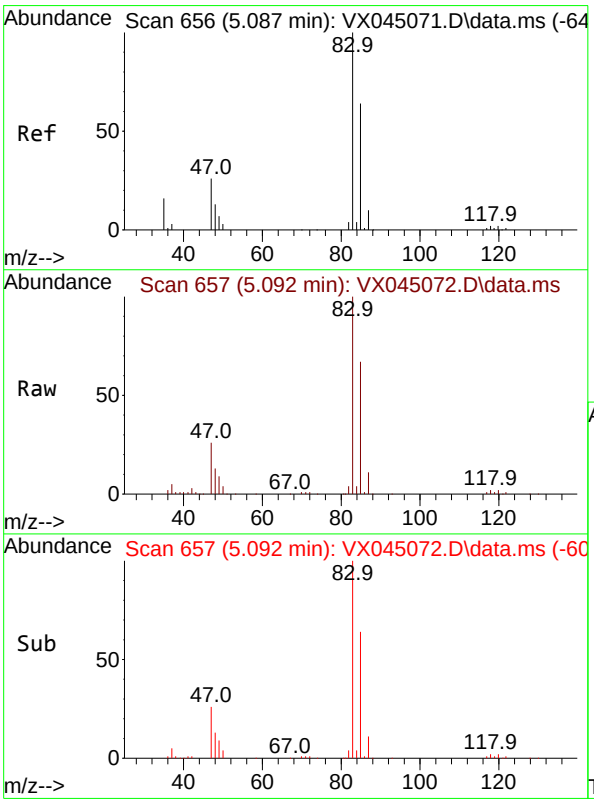
Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.1	51.1
71	39.2	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

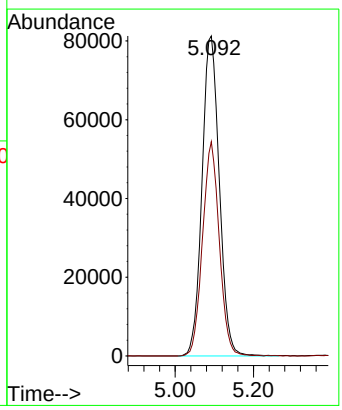


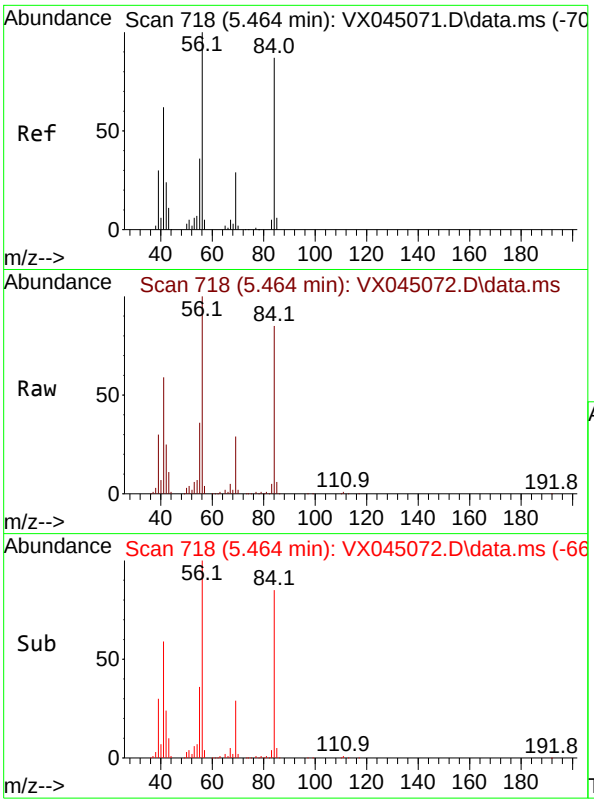


#30
Chloroform
Concen: 101.814 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

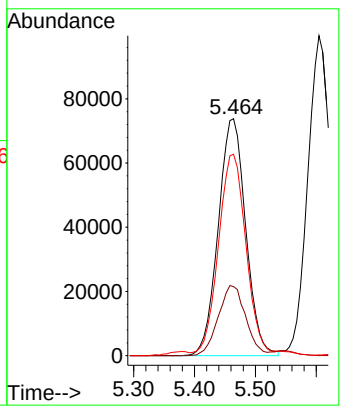
Tgt Ion: 56 Resp: 23108

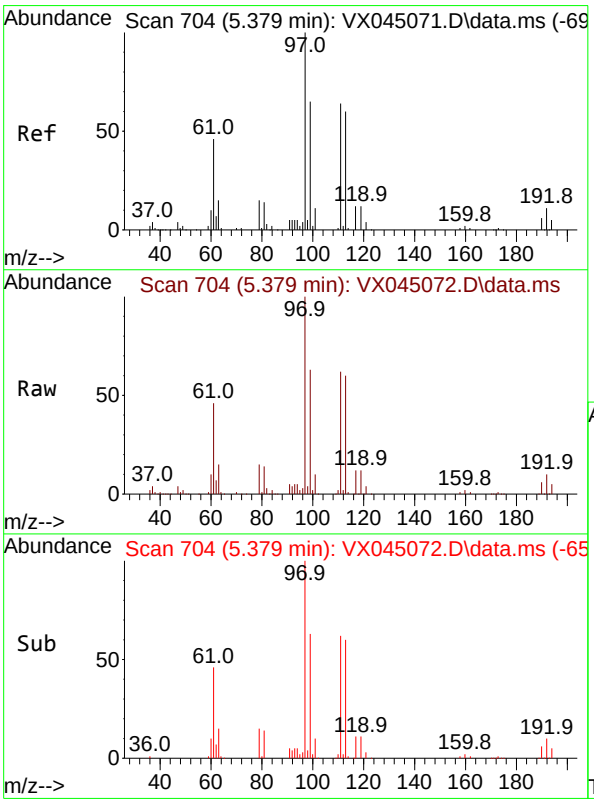
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.4	35.2
84	83.3	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

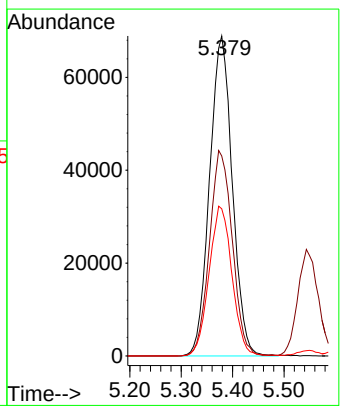


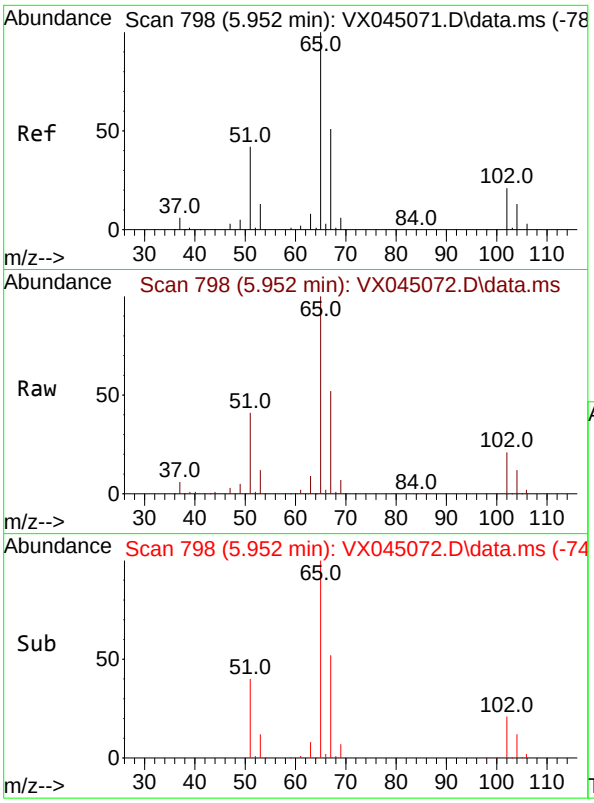


#32
1,1,1-Trichloroethane
Concen: 102.638 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

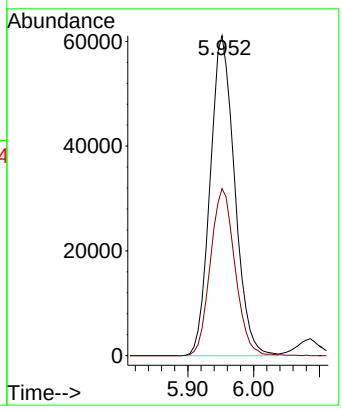




#33
1,2-Dichloroethane-d4
Concen: 106.011 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 65 Resp: 15845

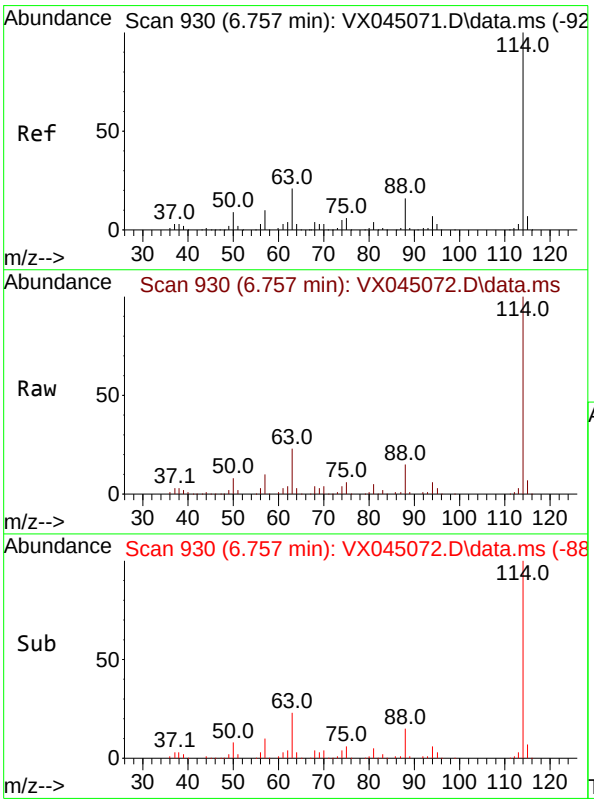
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

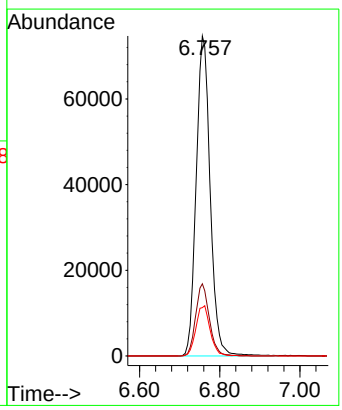
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

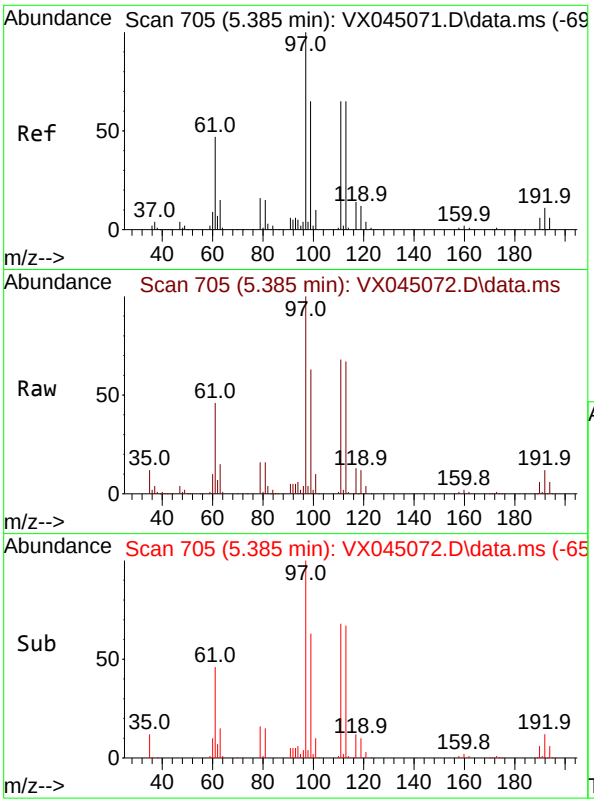


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

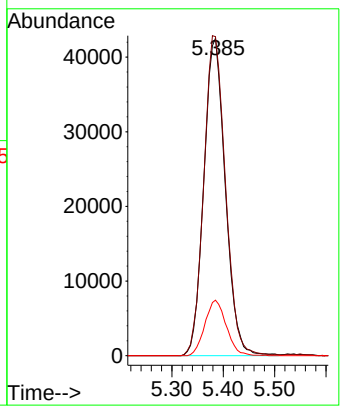




#35
Dibromofluoromethane
Concen: 104.110 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:113 Resp: 12318

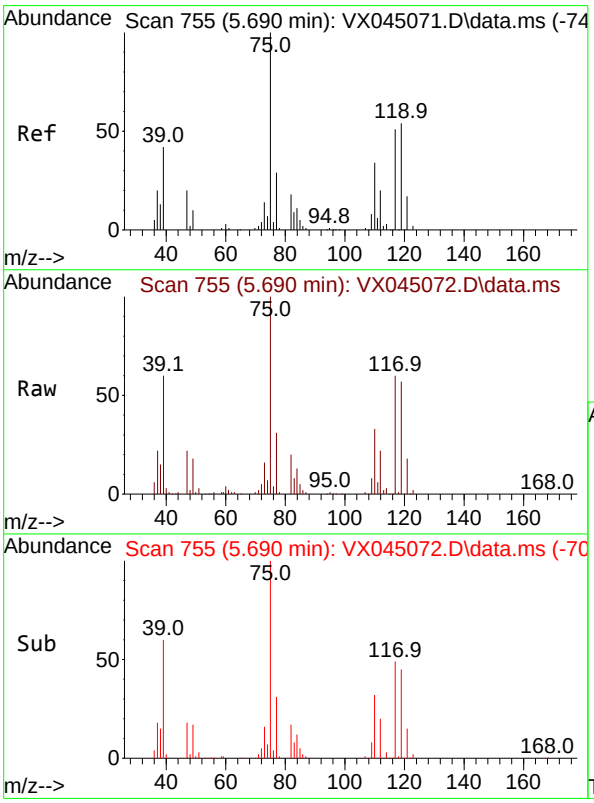
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	17.5	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

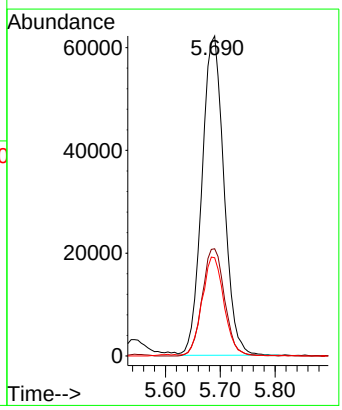
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

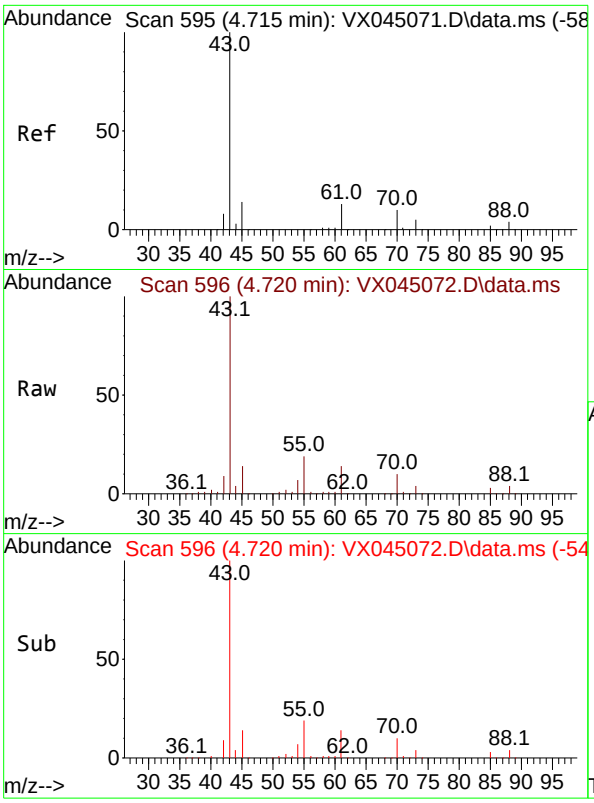


#36
1,1-Dichloropropene
Concen: 101.258 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

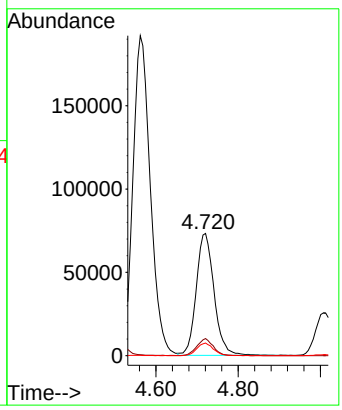
Tgt Ion: 43 Resp: 22032

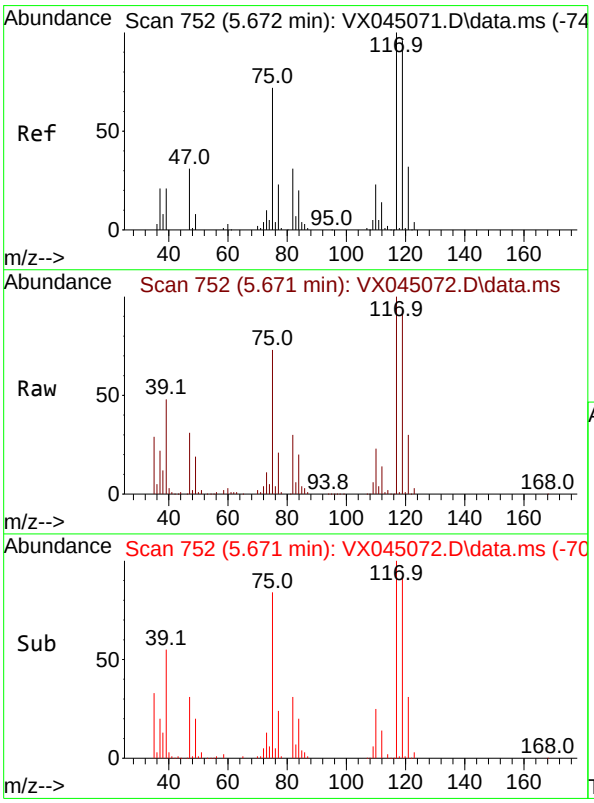
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.8	16.2
70	9.6	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

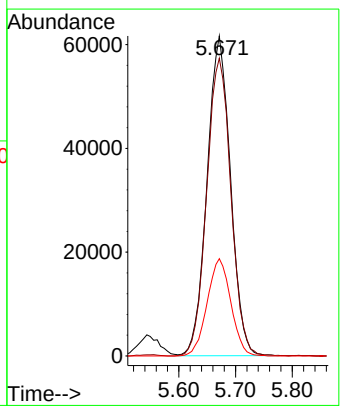


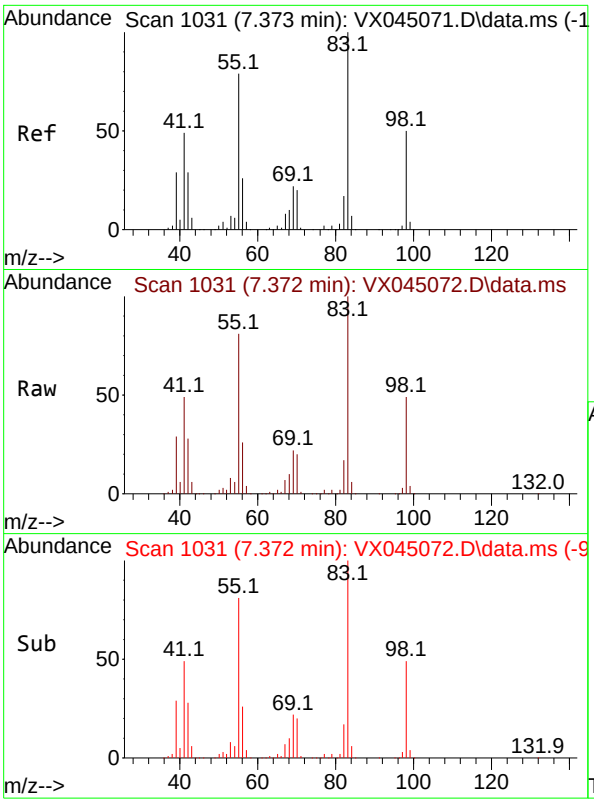


#38
Carbon Tetrachloride
Concen: 105.940 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

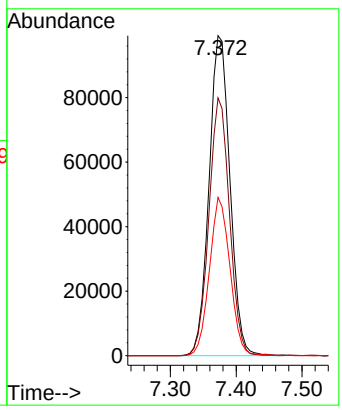
Tgt Ion: 83 Resp: 21985

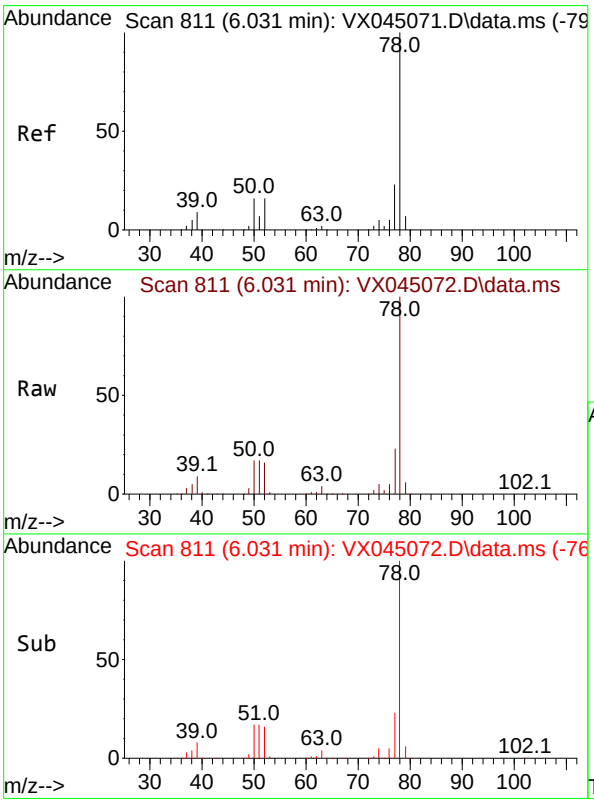
Ion	Ratio	Lower	Upper
83	100		
55	80.6	63.0	94.4
98	49.5	39.7	59.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

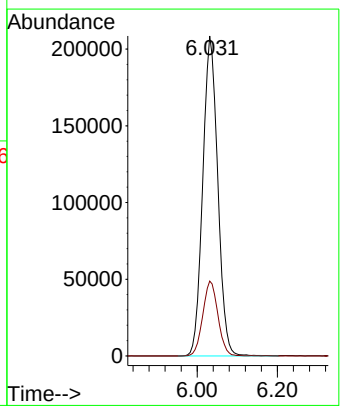


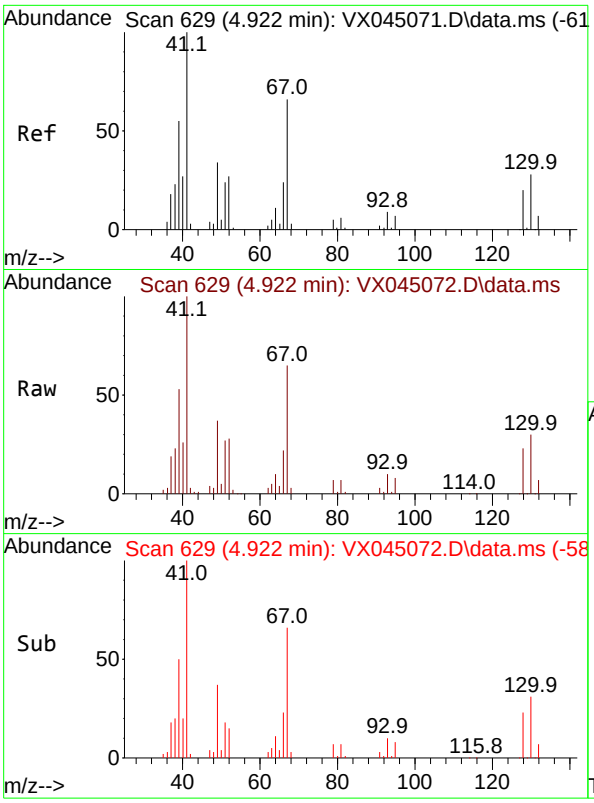


#40
Benzene
Concen: 101.908 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 78 Resp: 541974

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2

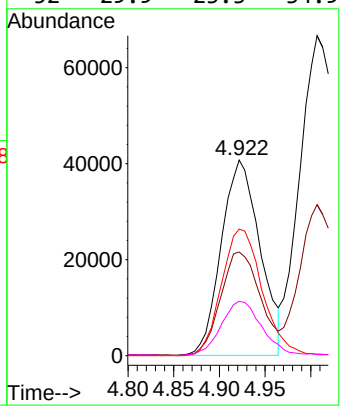




#41
Methacrylonitrile
Concen: 116.205 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 41 Resp: 12018

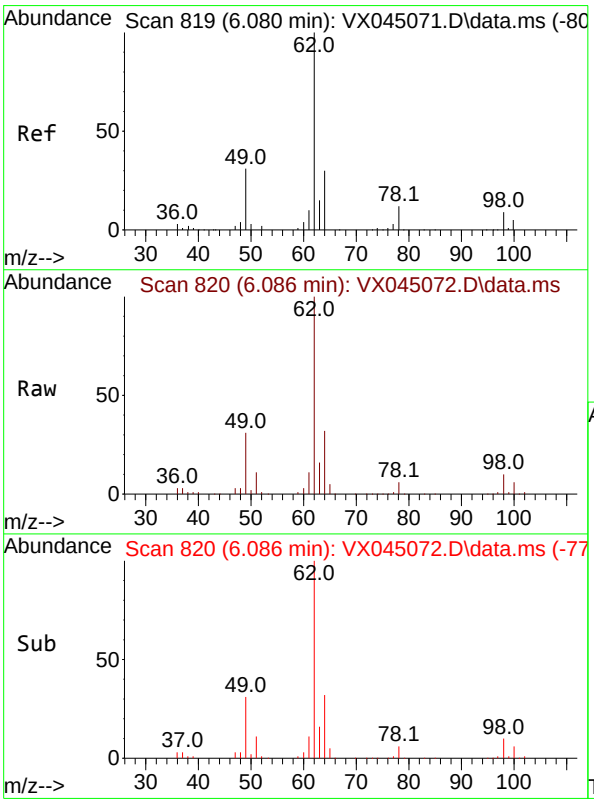
Ion	Ratio	Lower	Upper
41	100		
39	54.3	44.6	67.0
67	68.3	53.9	80.9
52	29.9	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

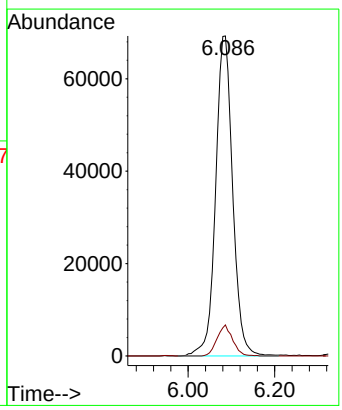
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

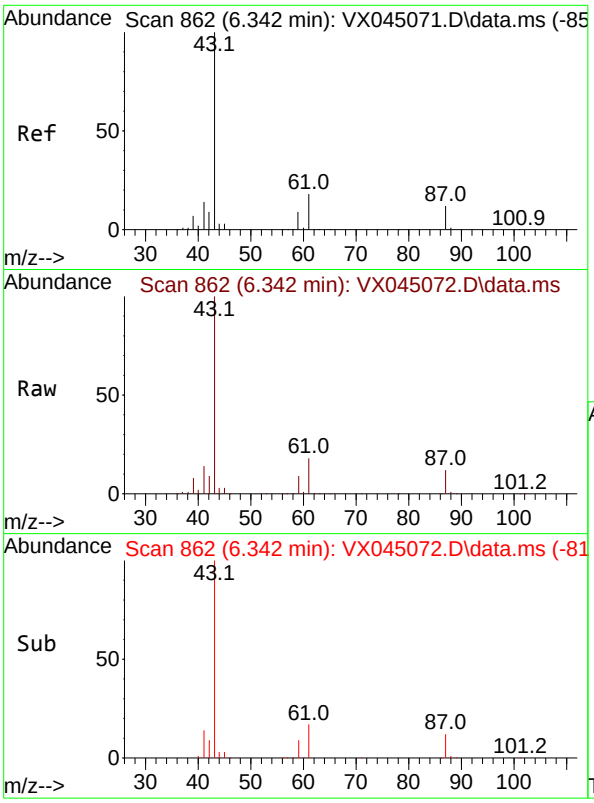


#42
1,2-Dichloroethane
Concen: 110.158 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

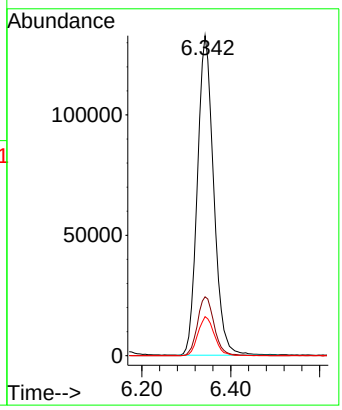
Tgt Ion: 43 Resp: 33841

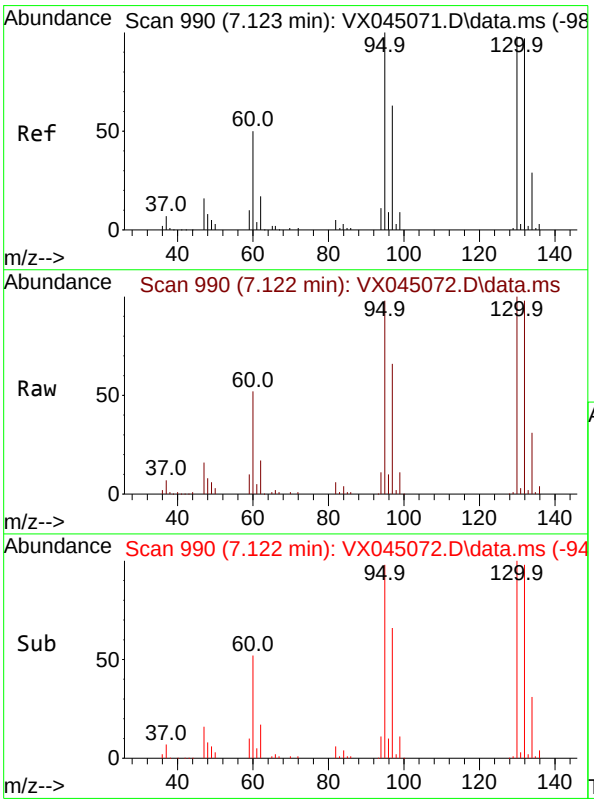
Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.9	22.3
87	12.3	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

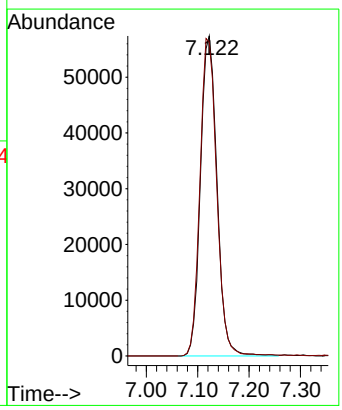


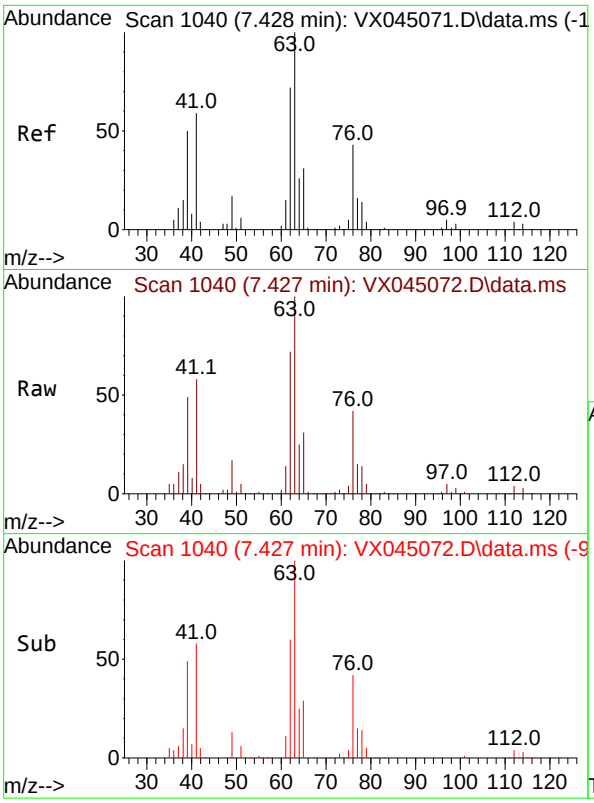


#44
Trichloroethene
Concen: 105.402 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

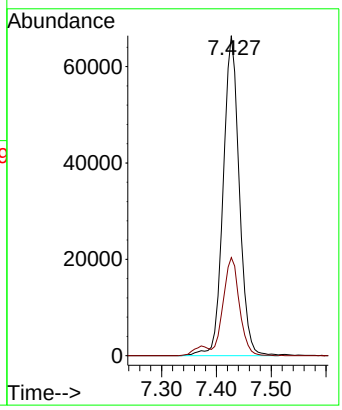
Tgt Ion: 63 Resp: 13599

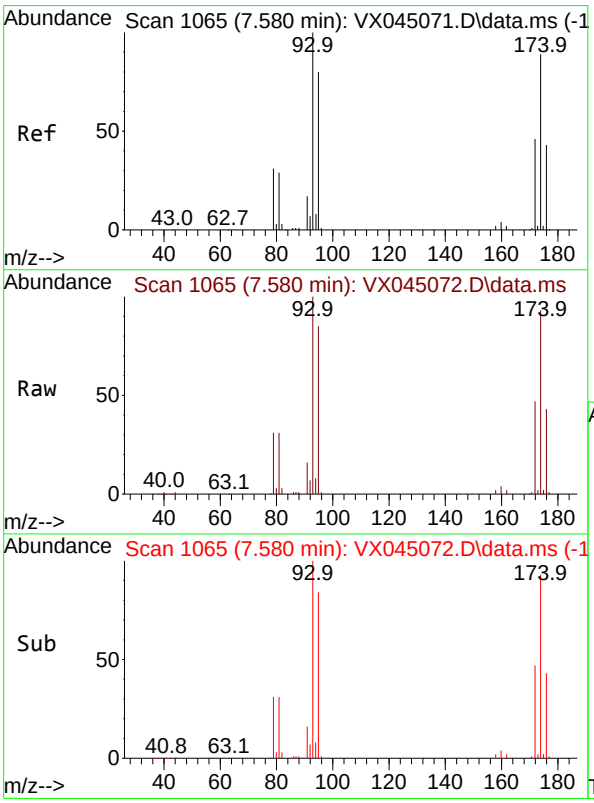
Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

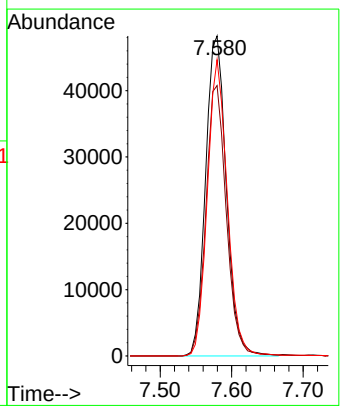


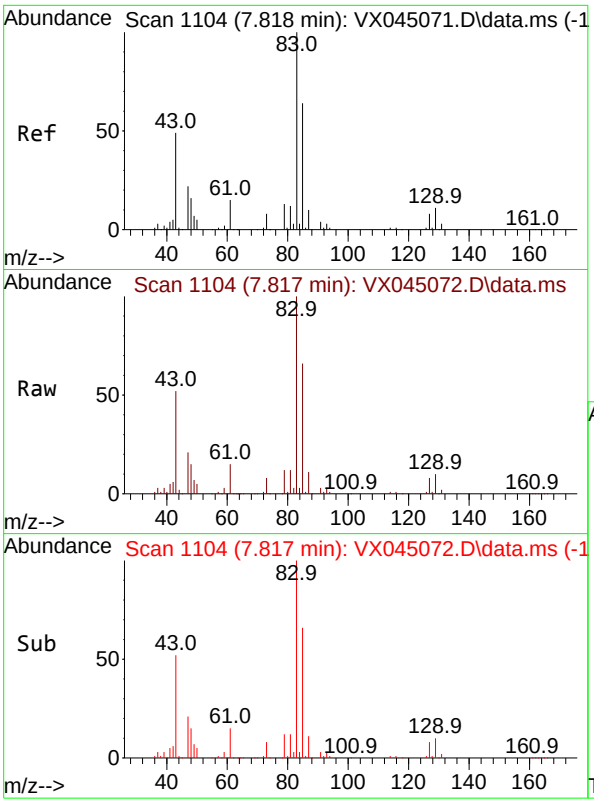


#46
Dibromomethane
Concen: 105.329 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

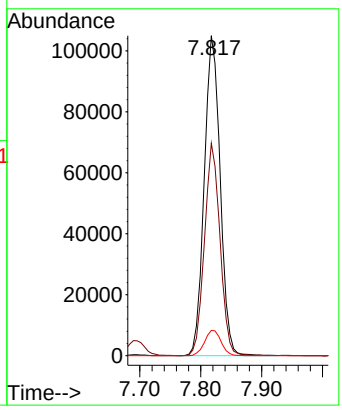




#47
Bromodichloromethane
Concen: 106.947 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 19101

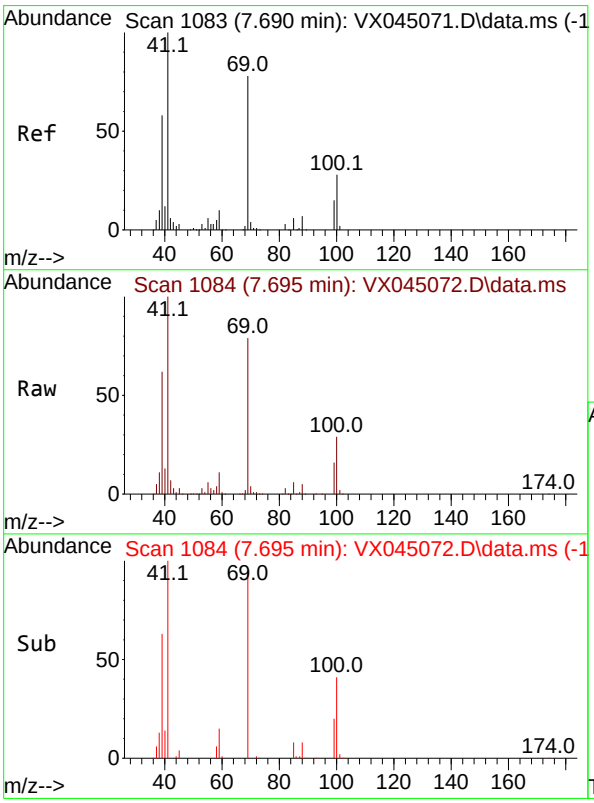
Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7
127	7.9	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

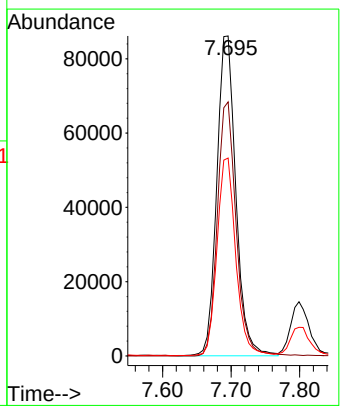
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

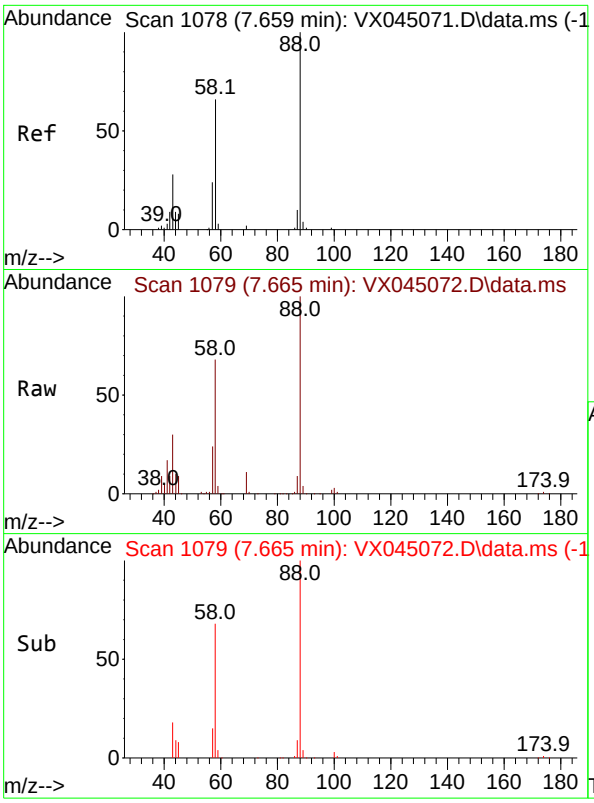


#48
Methyl methacrylate
Concen: 113.344 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

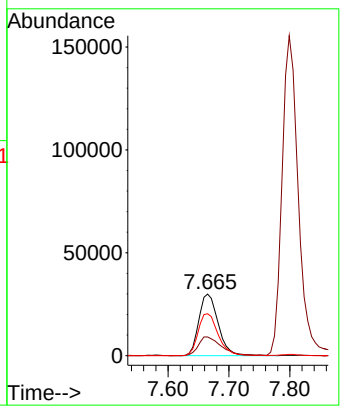
Tgt Ion: 88 Resp: 6630

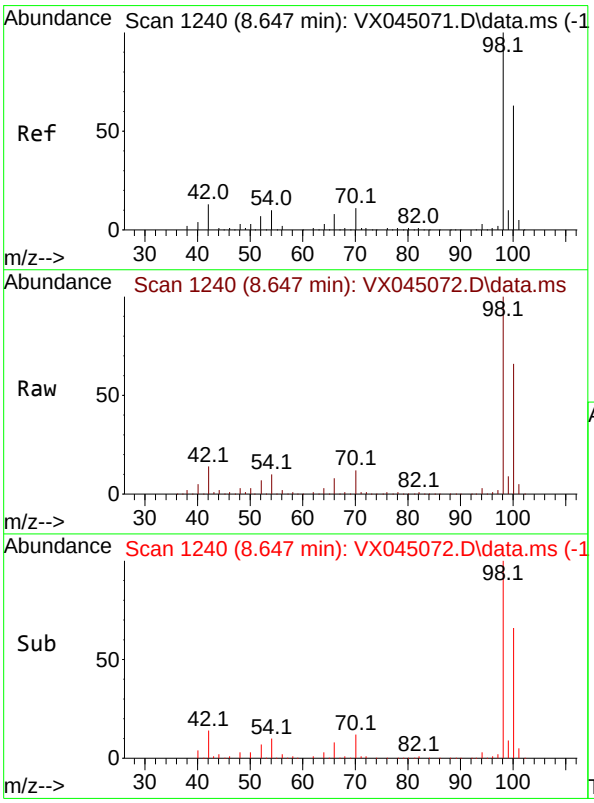
Ion	Ratio	Lower	Upper
88	100		
43	35.6	28.7	43.1
58	70.5	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

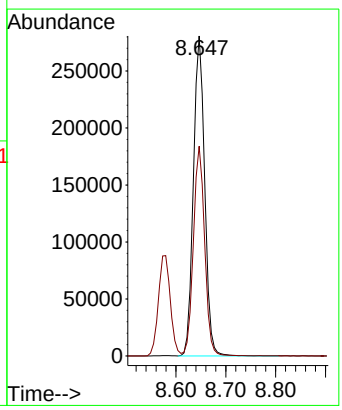


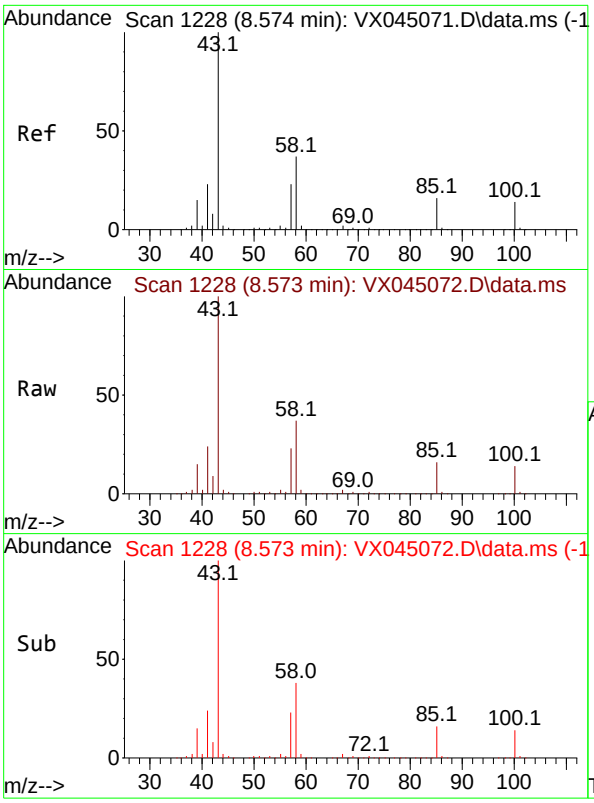


#50
Toluene-d8
Concen: 99.595 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 98 Resp: 441188

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0

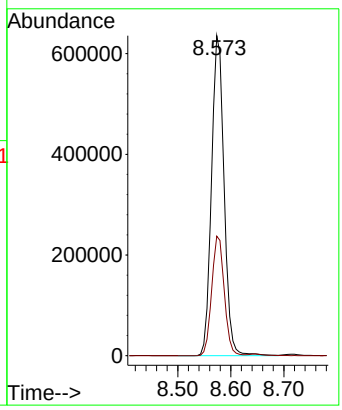




#51
4-Methyl-2-Pentanone
Concen: 555.050 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 104814

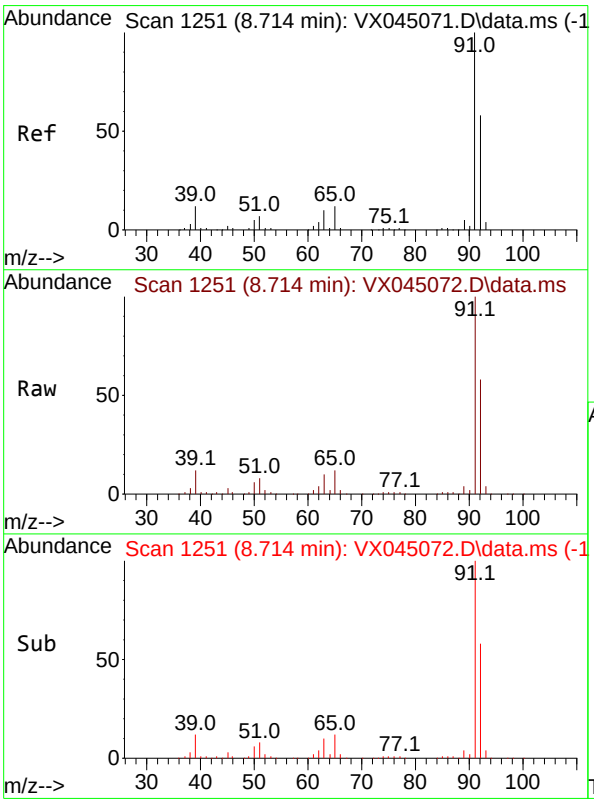
Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

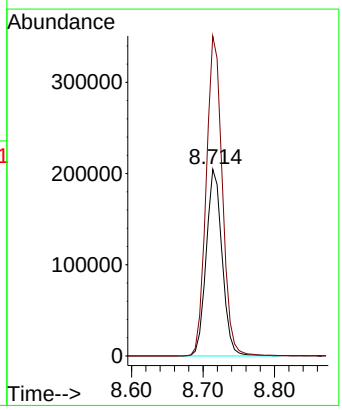
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

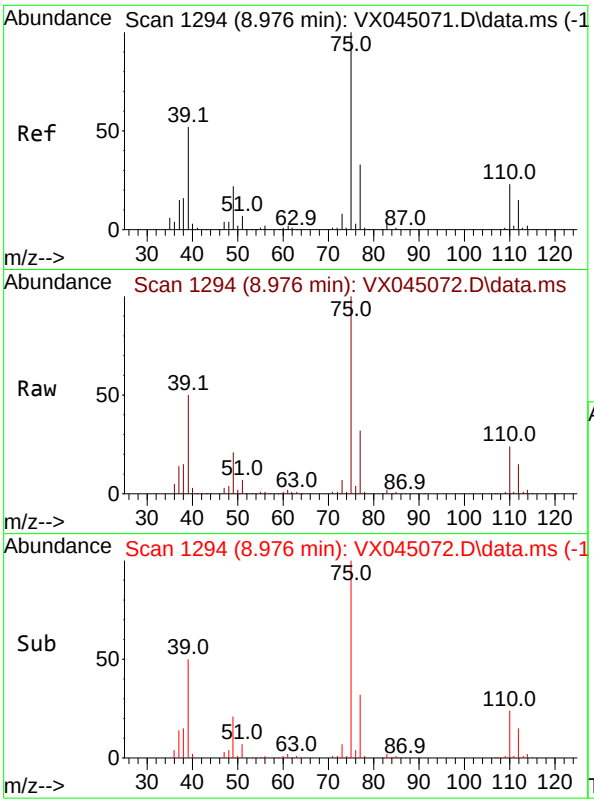


#52
Toluene
Concen: 100.178 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 92 Resp: 316349

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.9	208.3

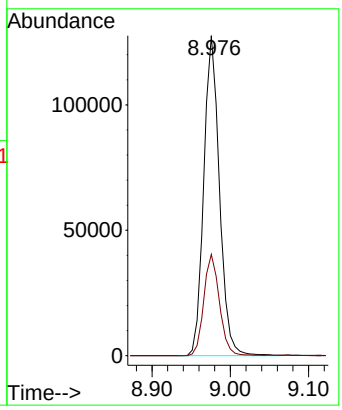




#53
t-1,3-Dichloropropene
Concen: 100.462 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 17735

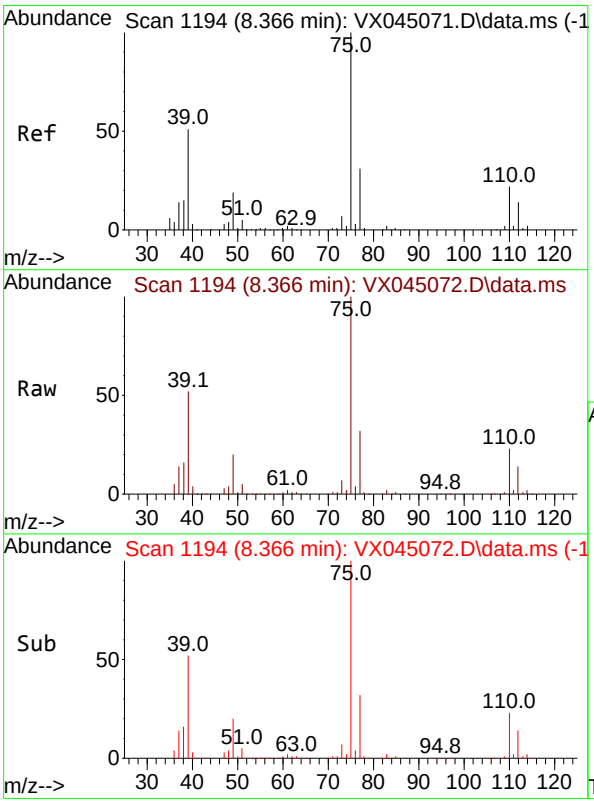
Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

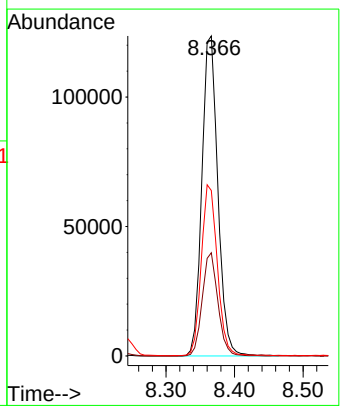
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

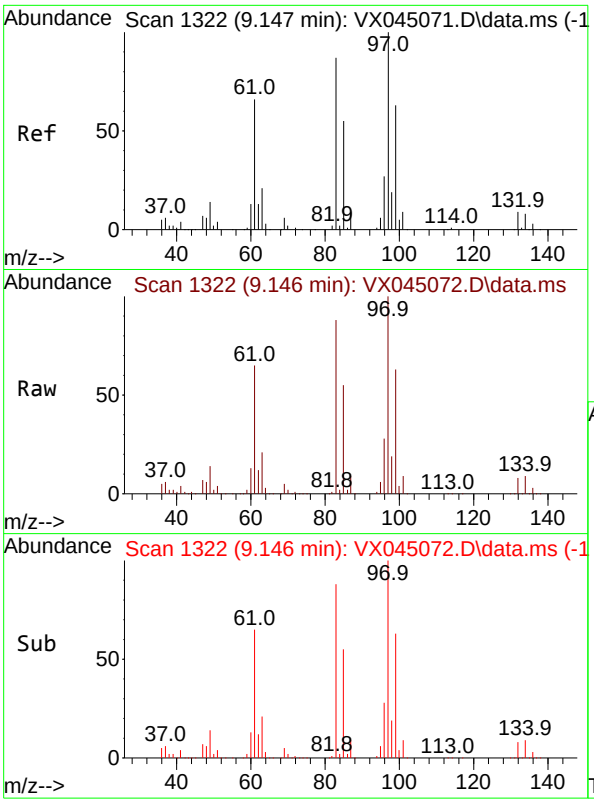


#54
cis-1,3-Dichloropropene
Concen: 101.815 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

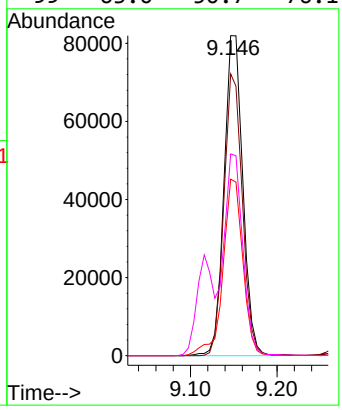




#55
1,1,2-Trichloroethane
Concen: 100.920 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 97 Resp: 12342

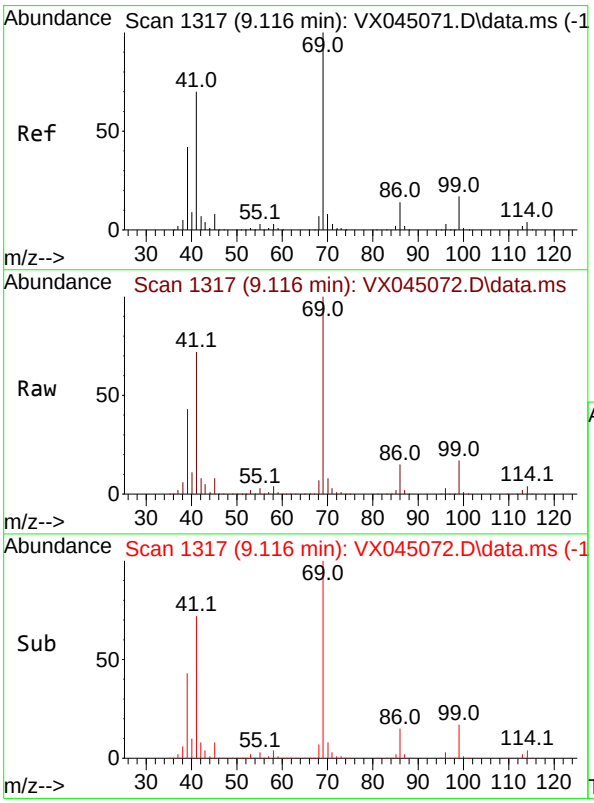
Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.4	104.2
85	55.1	44.1	66.1
99	63.0	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

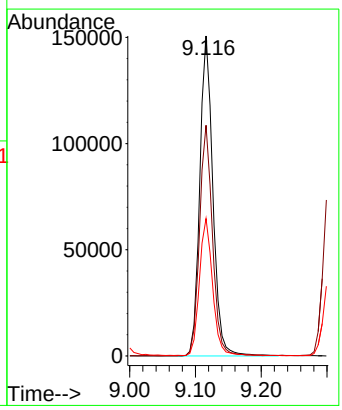
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

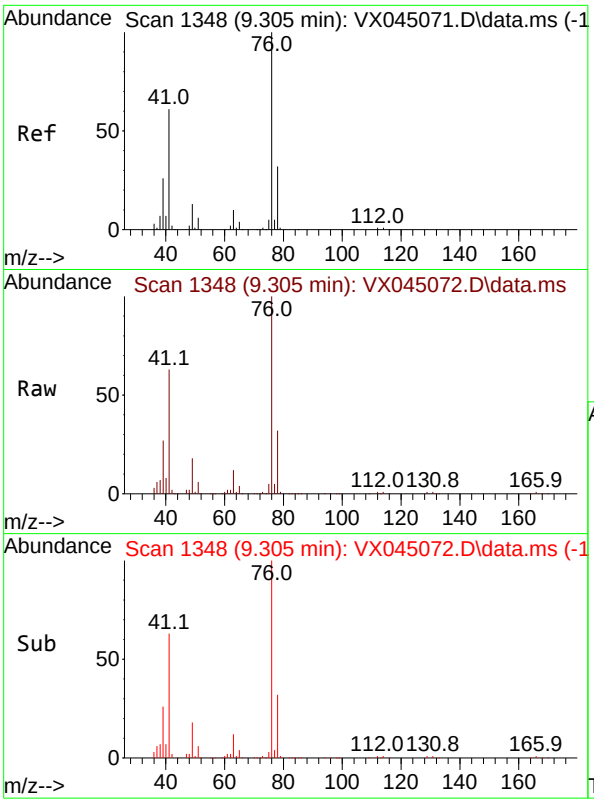


#56
Ethyl methacrylate
Concen: 106.744 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

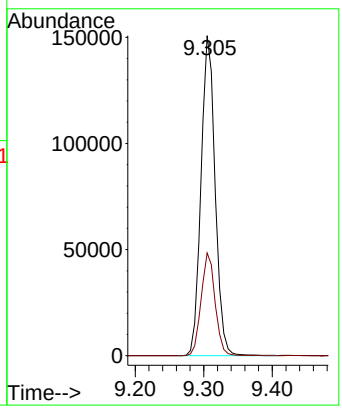
Tgt Ion: 76 Resp: 21626

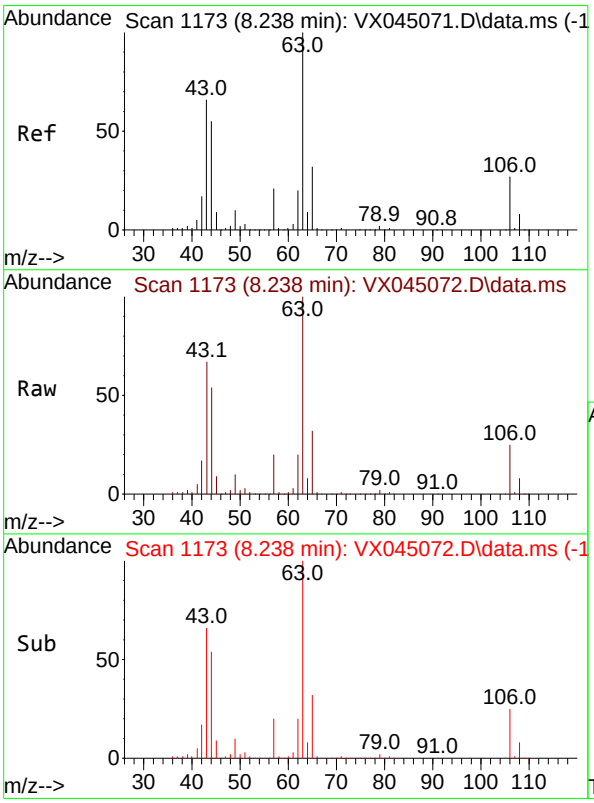
Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

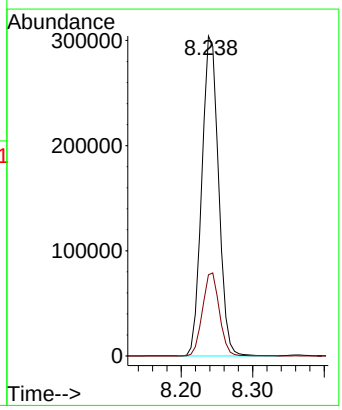


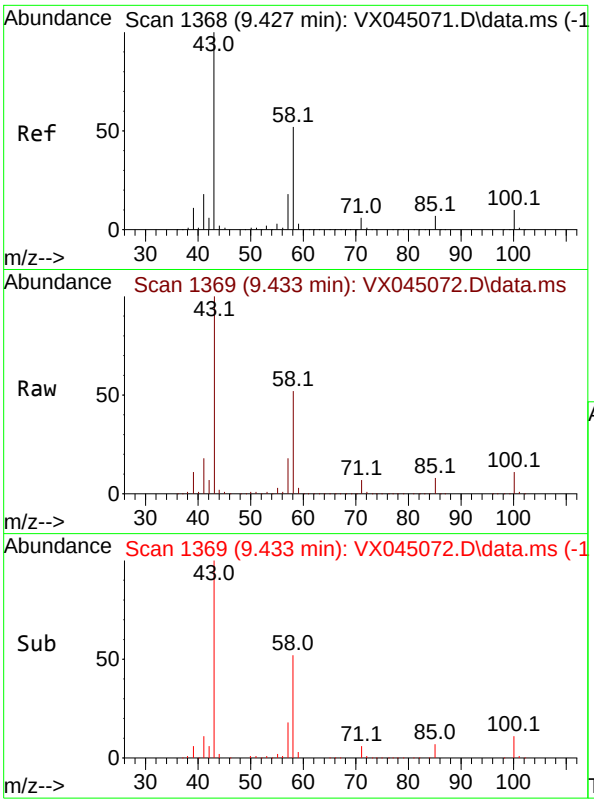


#58
2-Chloroethyl Vinyl ether
Concen: 514.987 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

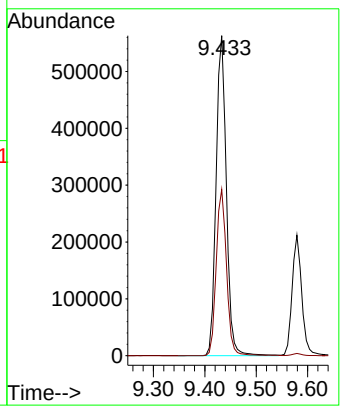
Tgt Ion: 43 Resp: 77949

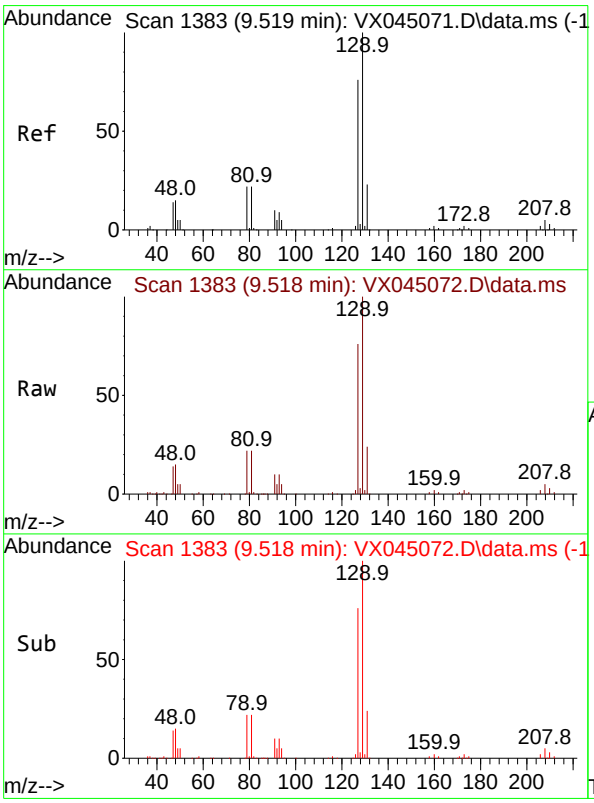
Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

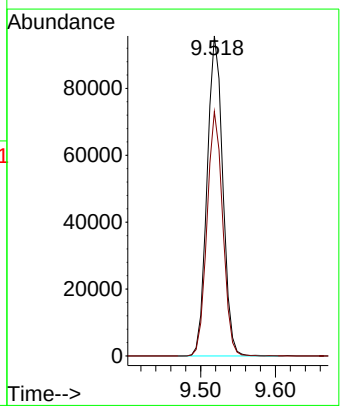


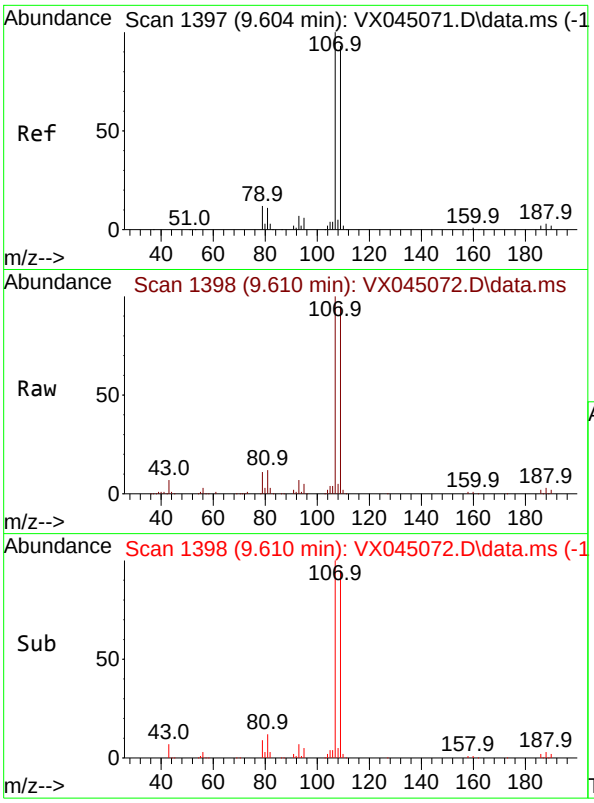


#60
Dibromochloromethane
Concen: 106.719 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:129 Resp: 139245

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5

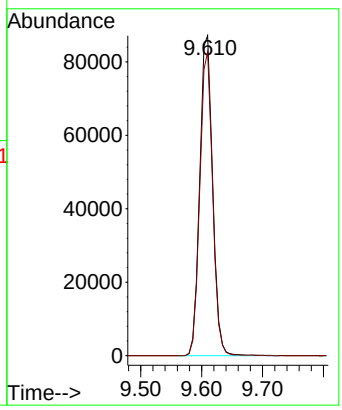




#61
1,2-Dibromoethane
Concen: 104.259 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:107 Resp: 12861

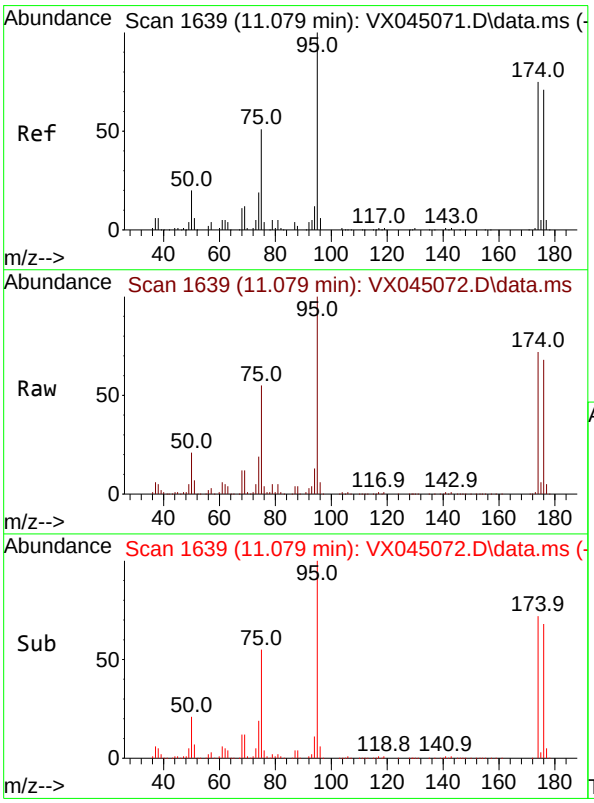
Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

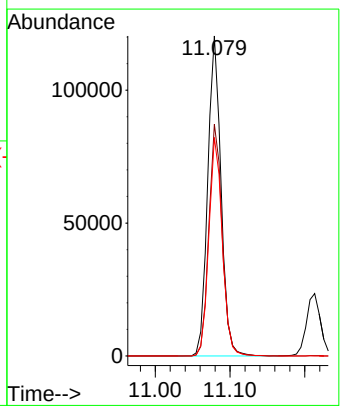
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

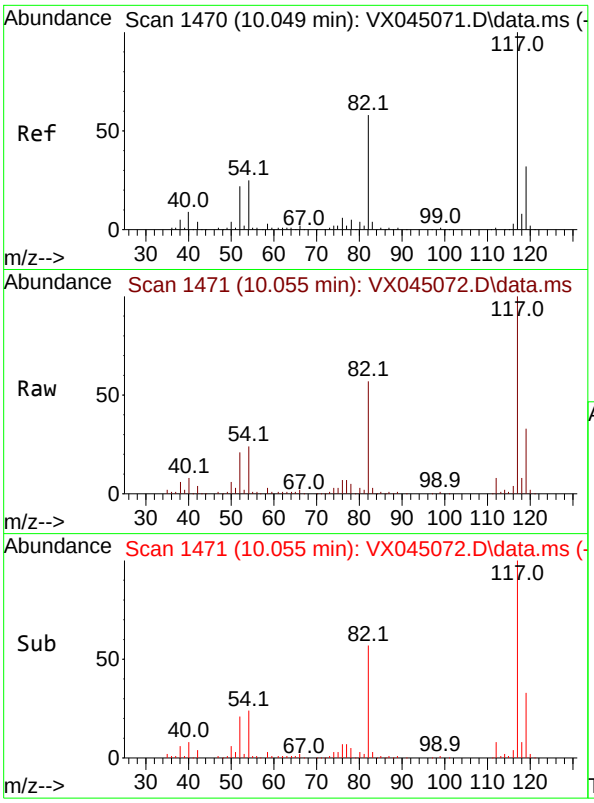


#62
4-Bromofluorobenzene
Concen: 100.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

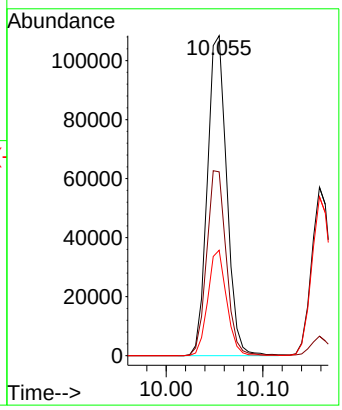
Tgt Ion:117 Resp: 15117

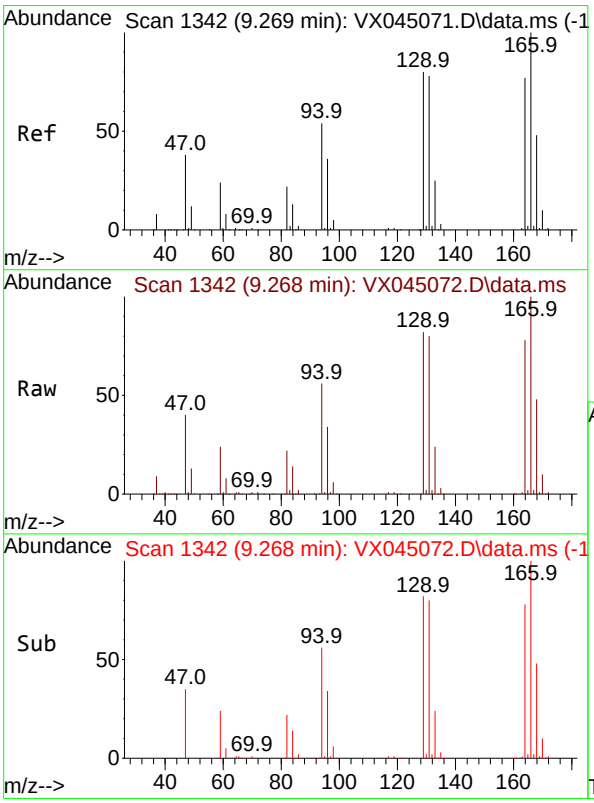
Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.3	69.5
119	33.0	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

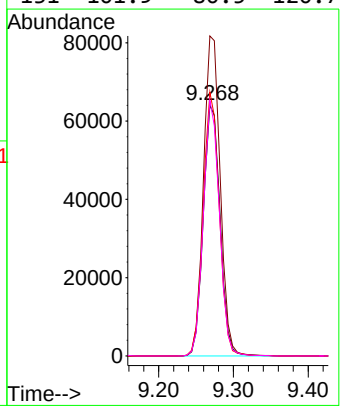


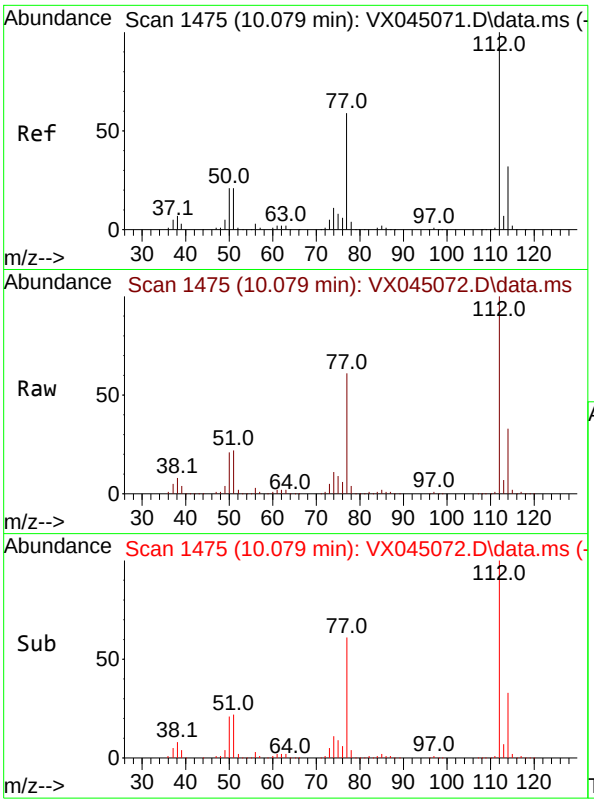


#64
Tetrachloroethene
Concen: 103.491 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

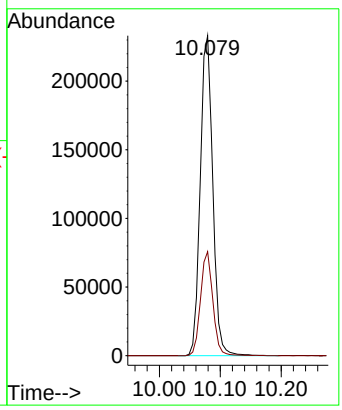




#65
Chlorobenzene
Concen: 102.456 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:112 Resp: 33247

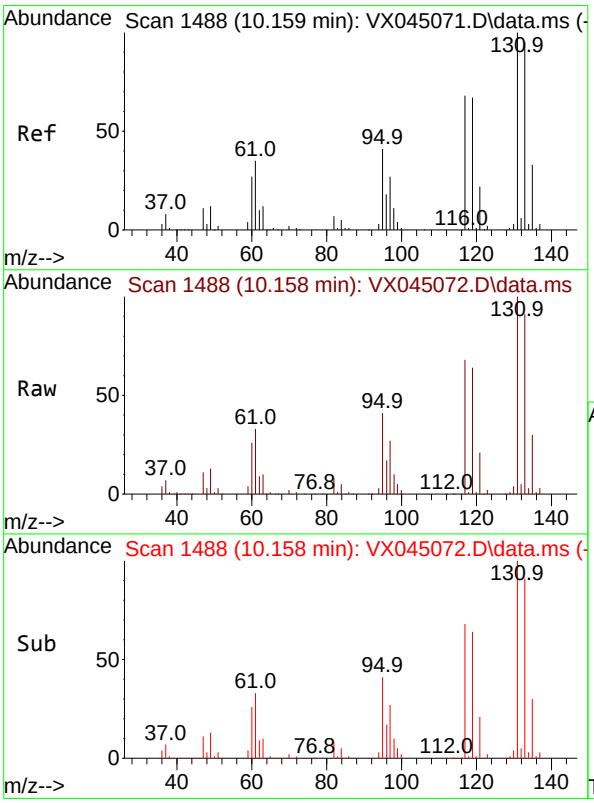
Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

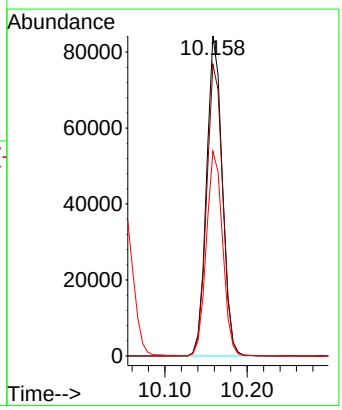
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

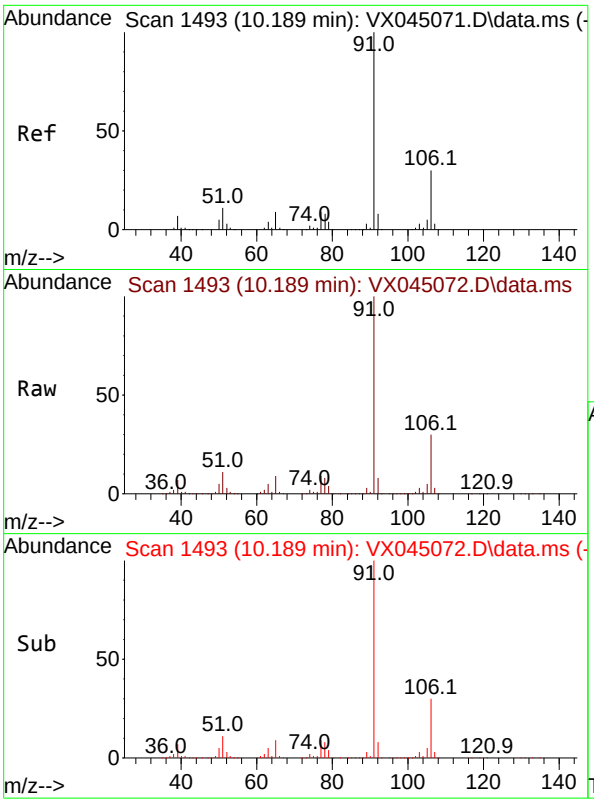


#66
1,1,1,2-Tetrachloroethane
Concen: 107.511 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

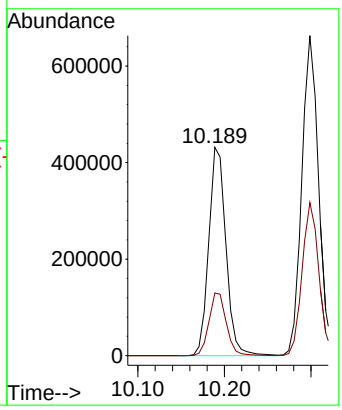
Tgt Ion: 91 Resp: 59625

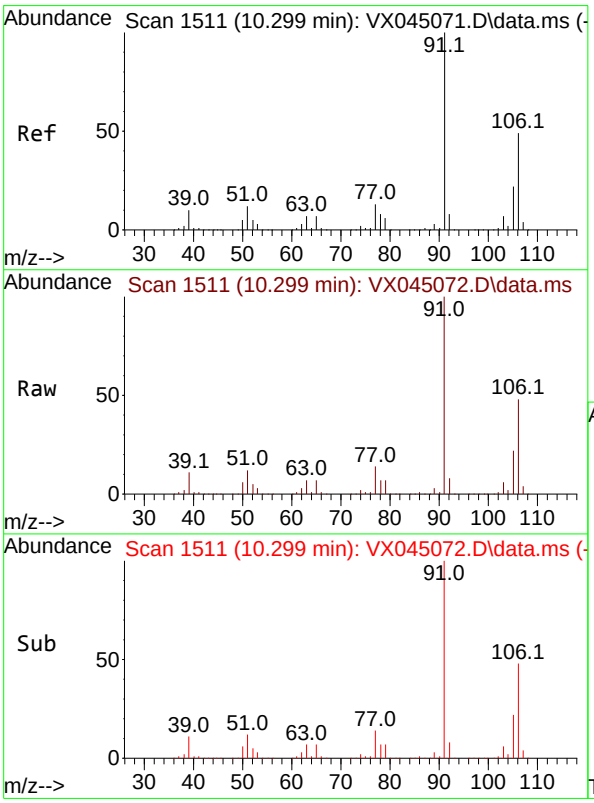
Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

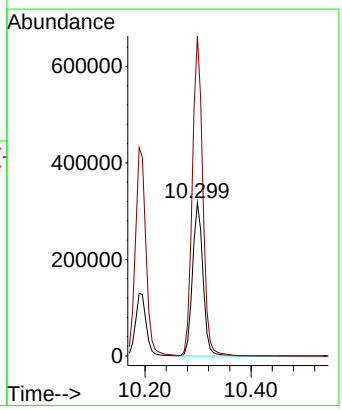


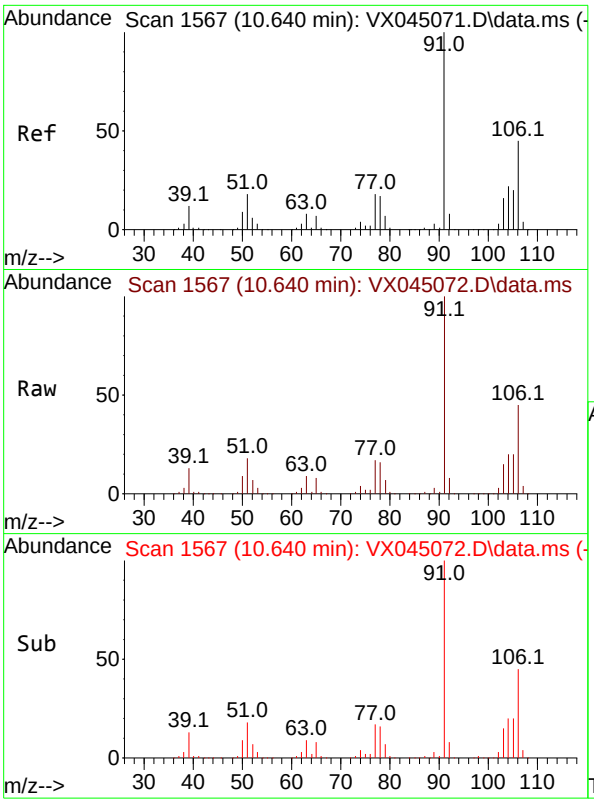


#68
m/p-Xylenes
Concen: 204.507 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 432214

Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.4	248.0

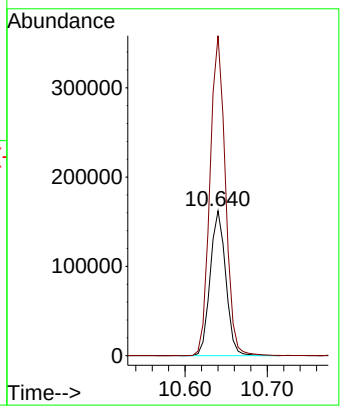




#69
o-Xylene
Concen: 100.849 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 21383

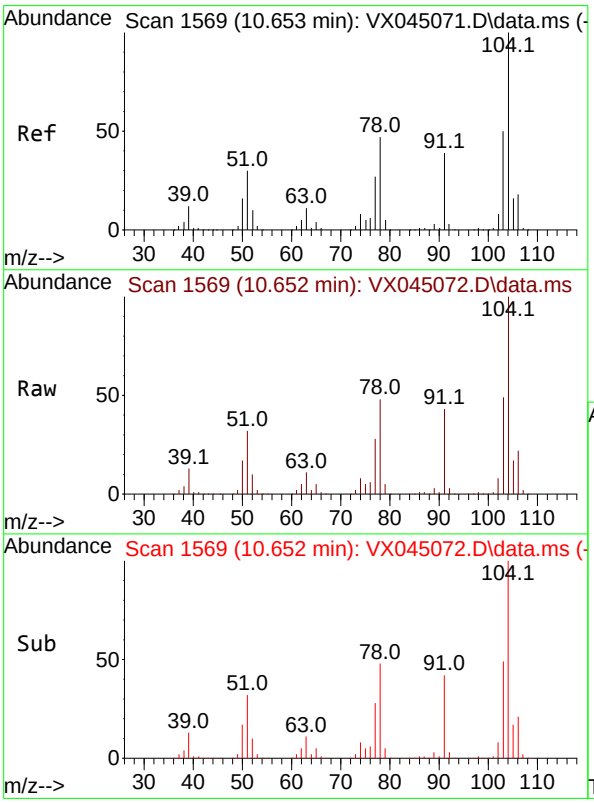
Ion	Ratio	Lower	Upper
106	100		
91	218.2	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

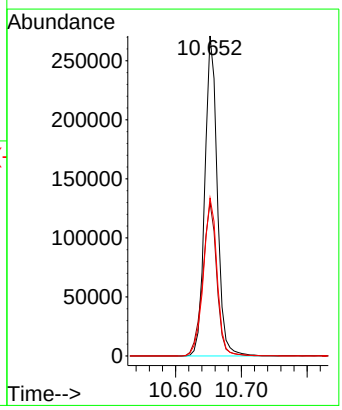
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

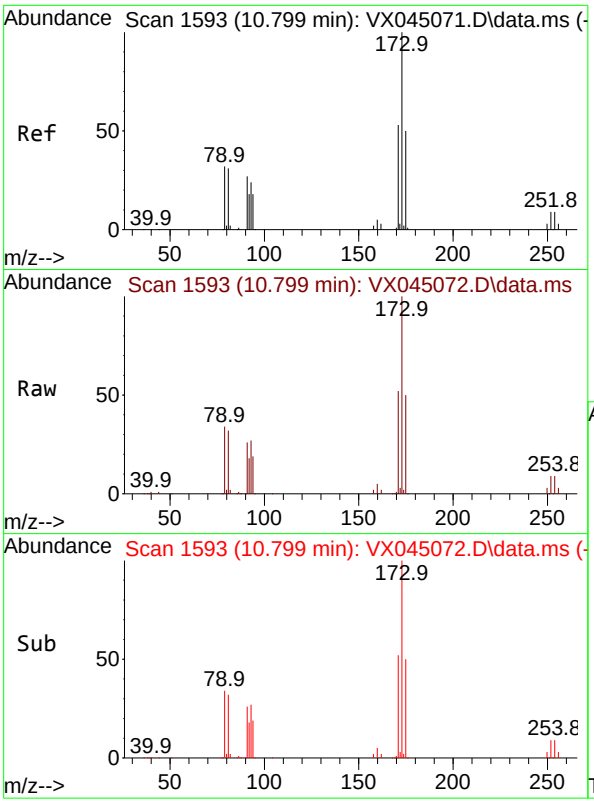


#70
Styrene
Concen: 104.948 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

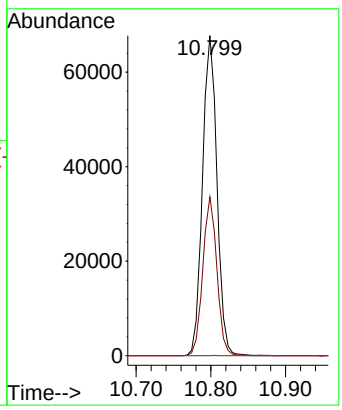




#71
Bromoform
Concen: 116.751 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:173 Resp: 9080

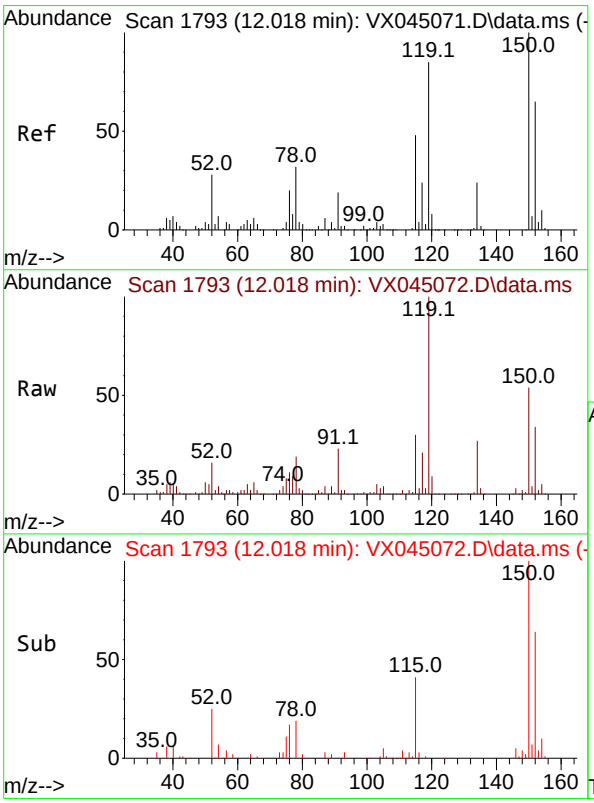
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

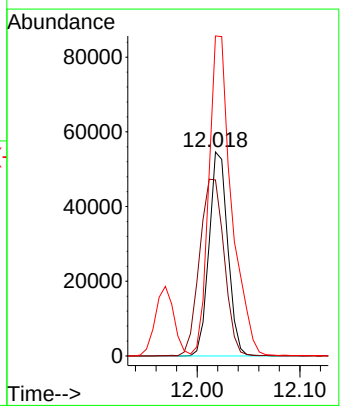
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

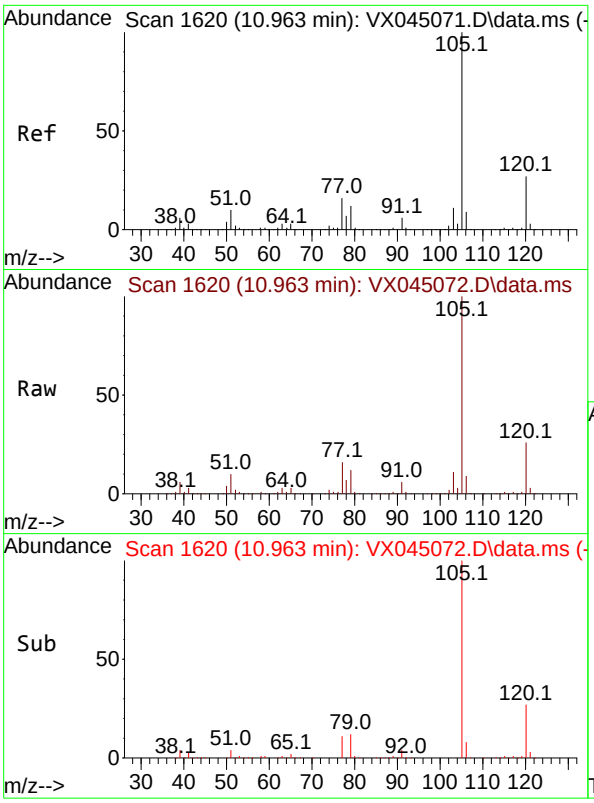


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

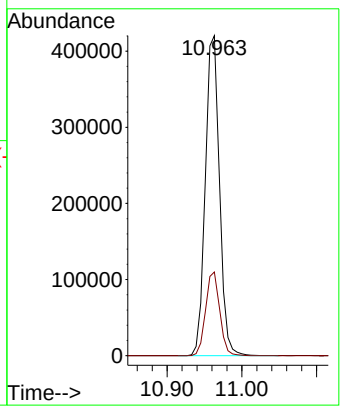




#73
Isopropylbenzene
Concen: 99.138 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 55353

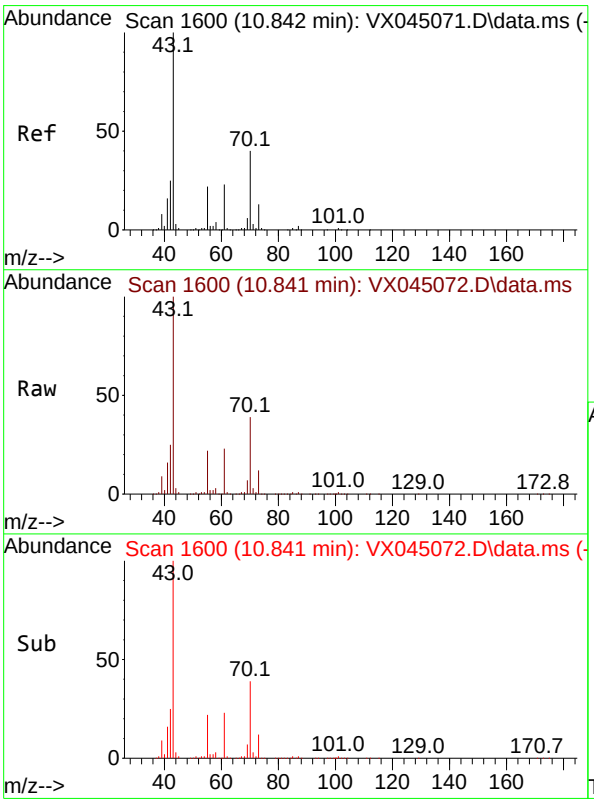
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

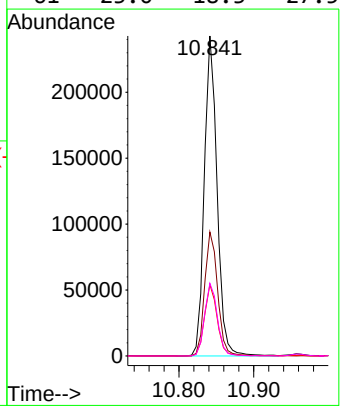
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

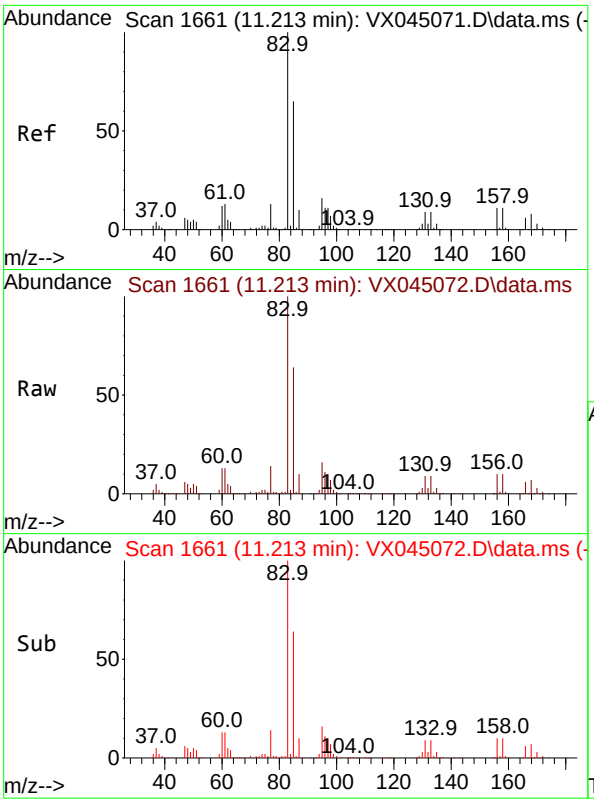


#74
N-amyl acetate
Concen: 113.277 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

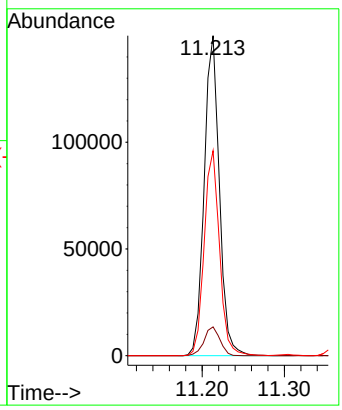
Tgt Ion: 83 Resp: 19221

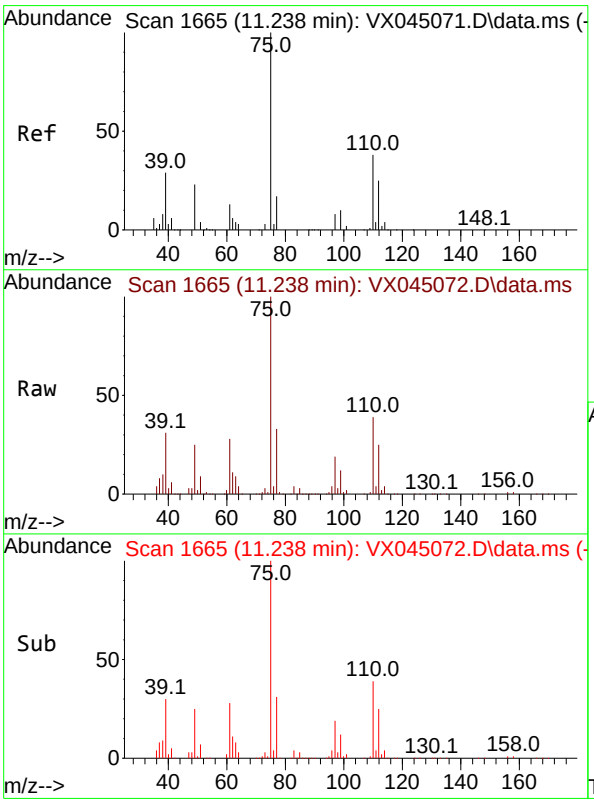
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.7	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

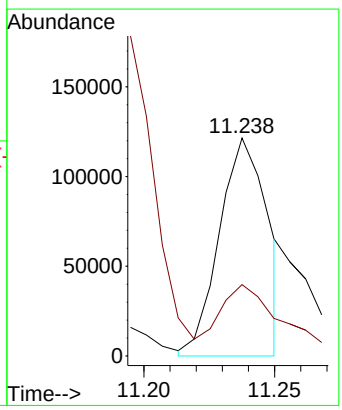


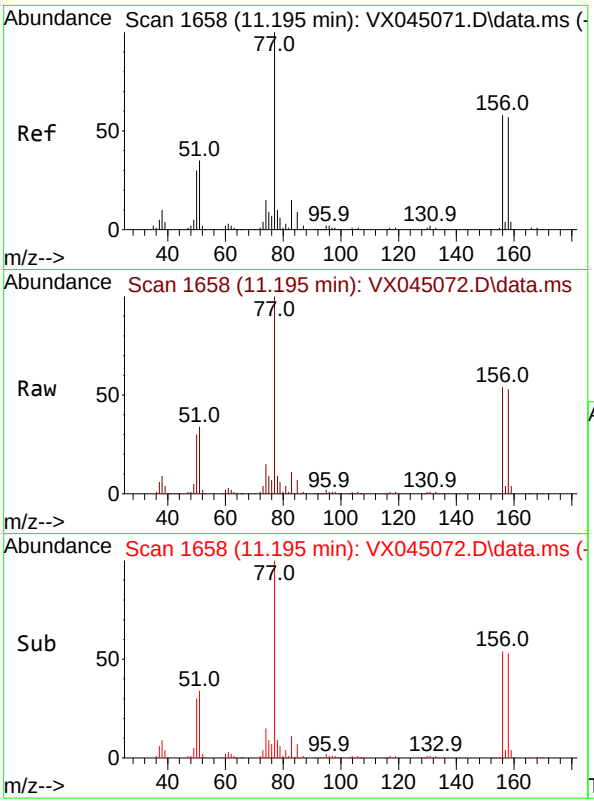


#76
1,2,3-Trichloropropane
Concen: 101.395 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

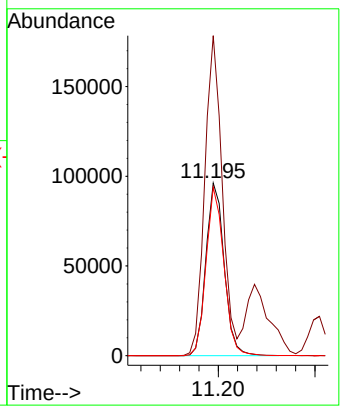
Tgt Ion:156 Resp: 12570

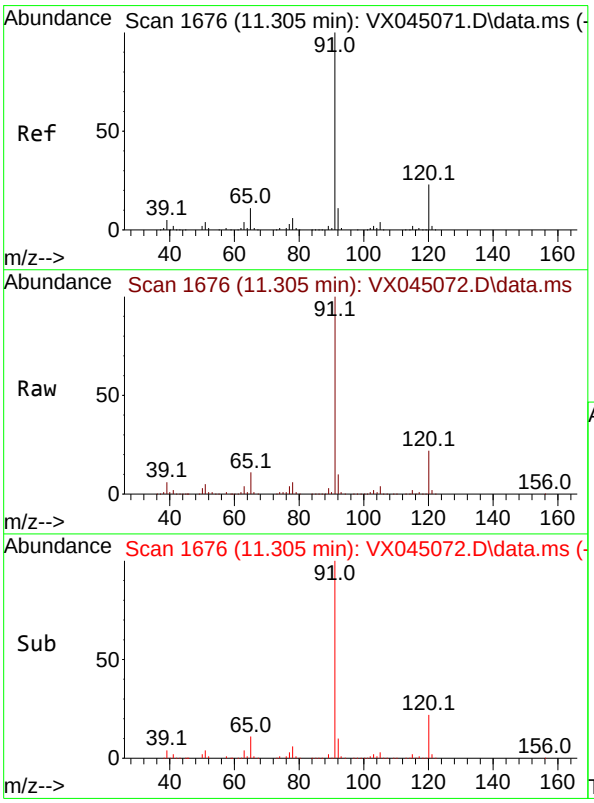
Ion	Ratio	Lower	Upper
156	100		
77	177.3	85.8	257.4
158	95.9	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

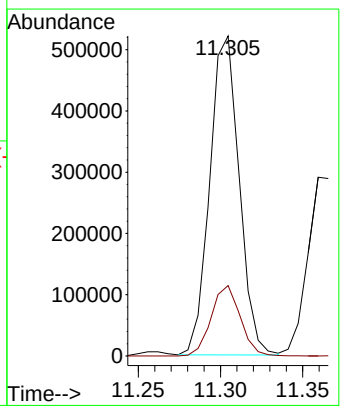


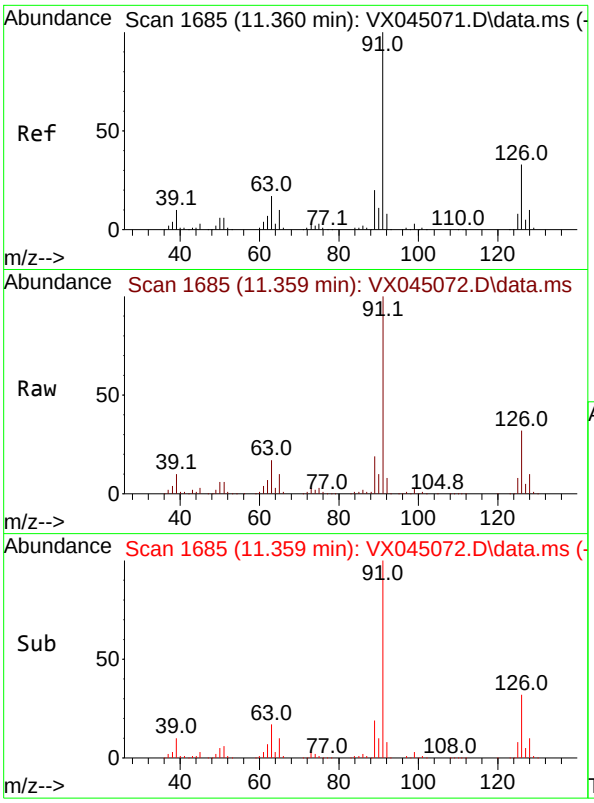


#78
n-propylbenzene
Concen: 100.758 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

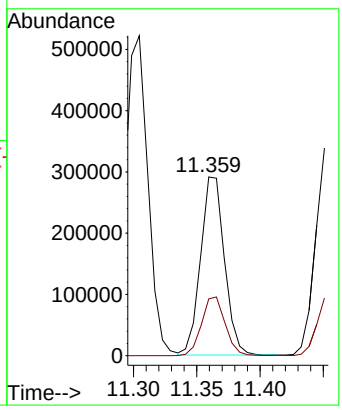
Tgt Ion: 91 Resp: 38270

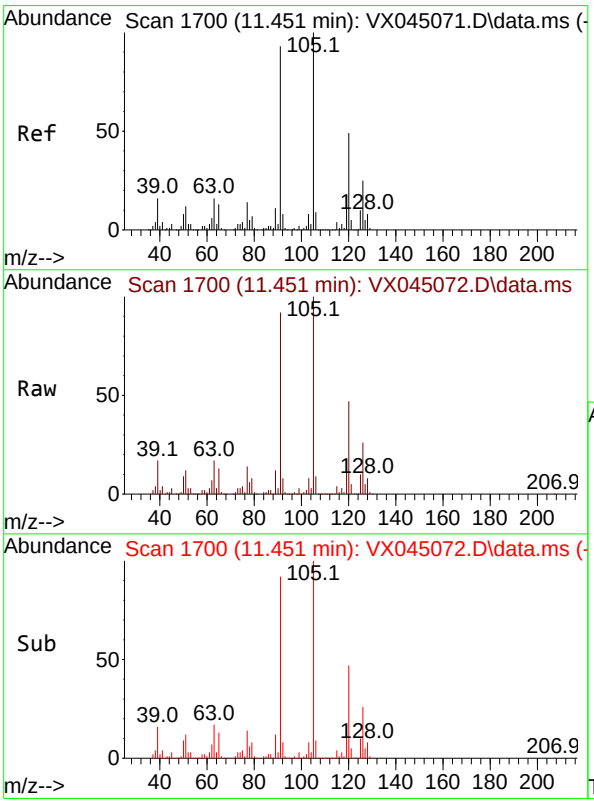
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

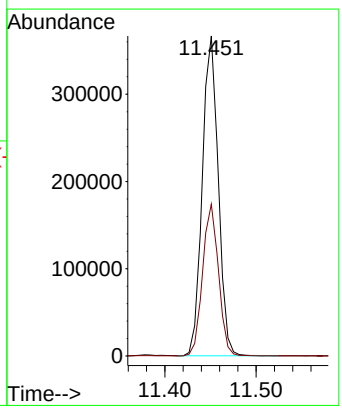


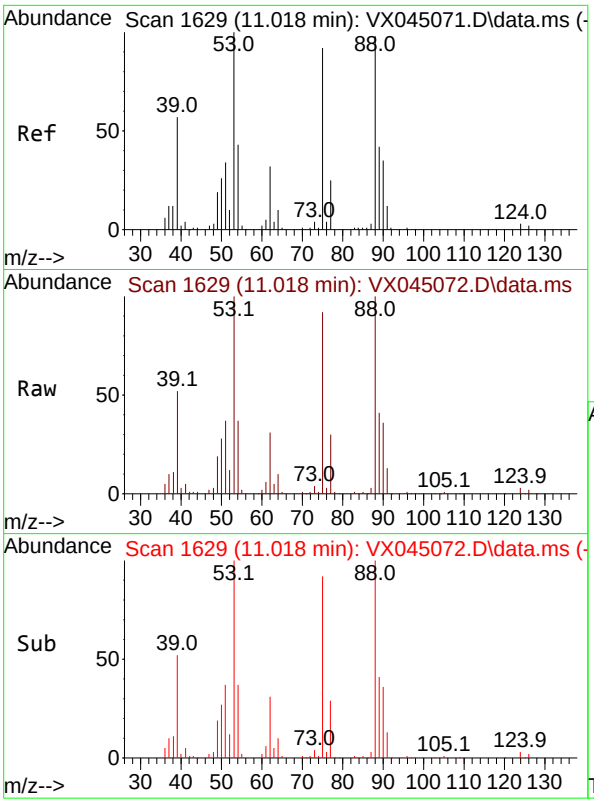


#80
1,3,5-Trimethylbenzene
Concen: 98.356 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

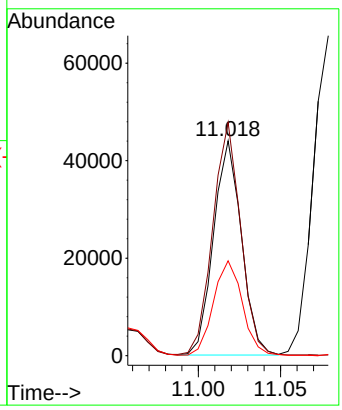
Tgt Ion: 75 Resp: 5197

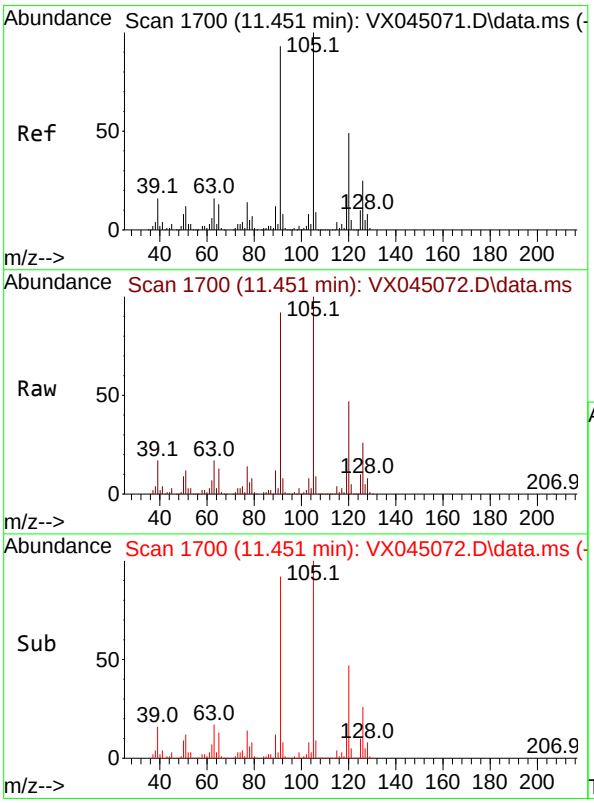
Ion	Ratio	Lower	Upper
75	100		
53	109.9	88.5	132.7
89	45.7	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

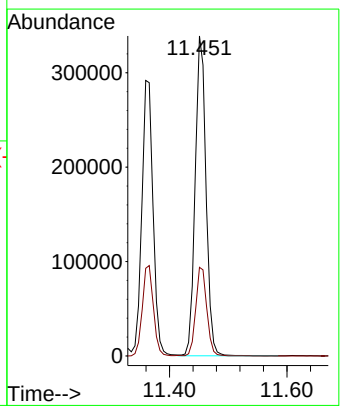


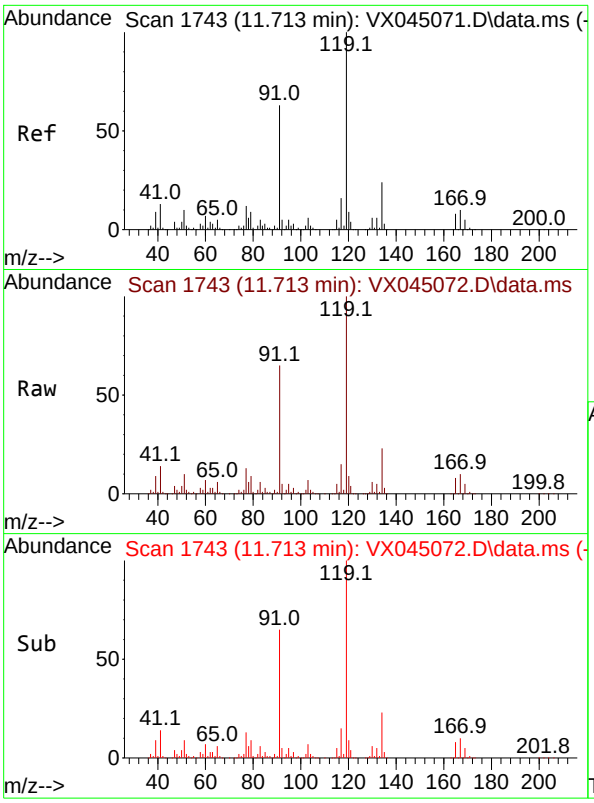


#82
4-Chlorotoluene
Concen: 99.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 433881

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4

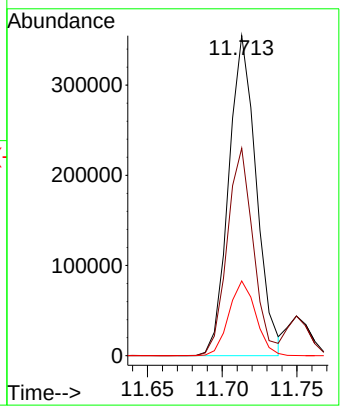




#83
tert-Butylbenzene
Concen: 99.288 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:119 Resp: 45485

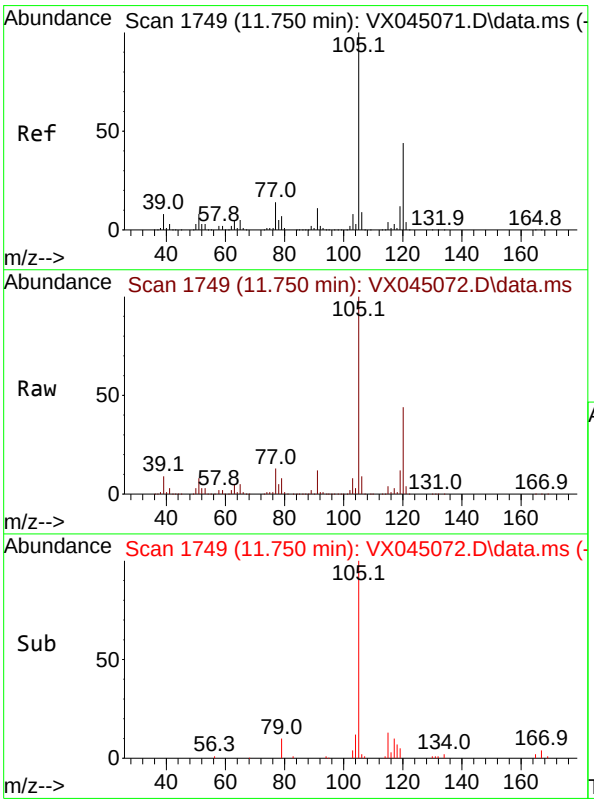
Ion	Ratio	Lower	Upper
119	100		
91	61.7	30.7	92.1
134	22.8	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

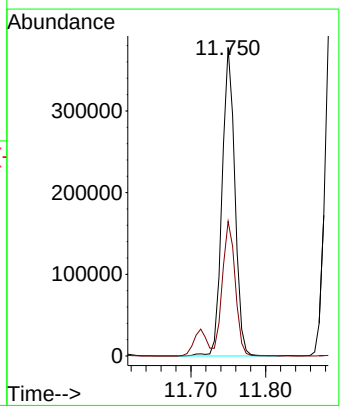
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

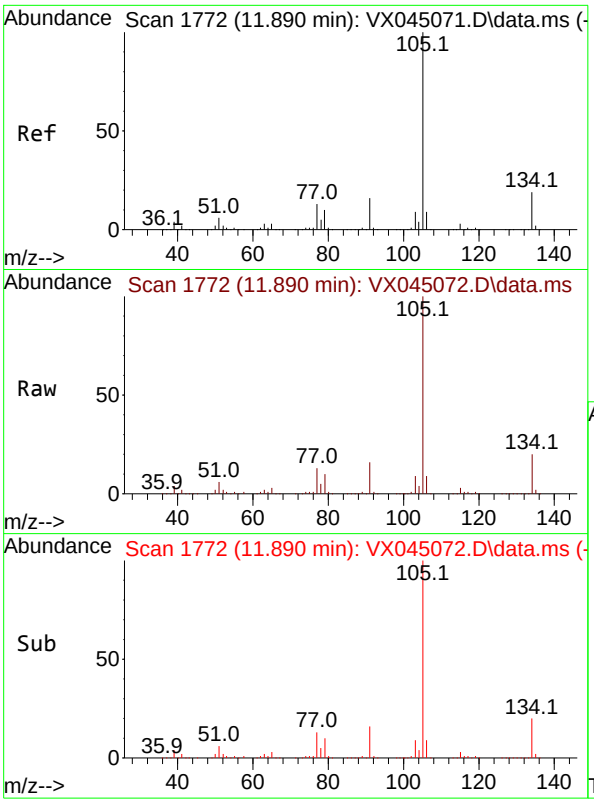


#84
1,2,4-Trimethylbenzene
Concen: 100.926 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 450108

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1

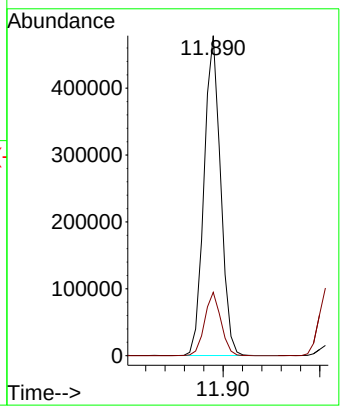




#85
sec-Butylbenzene
Concen: 100.517 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 57000

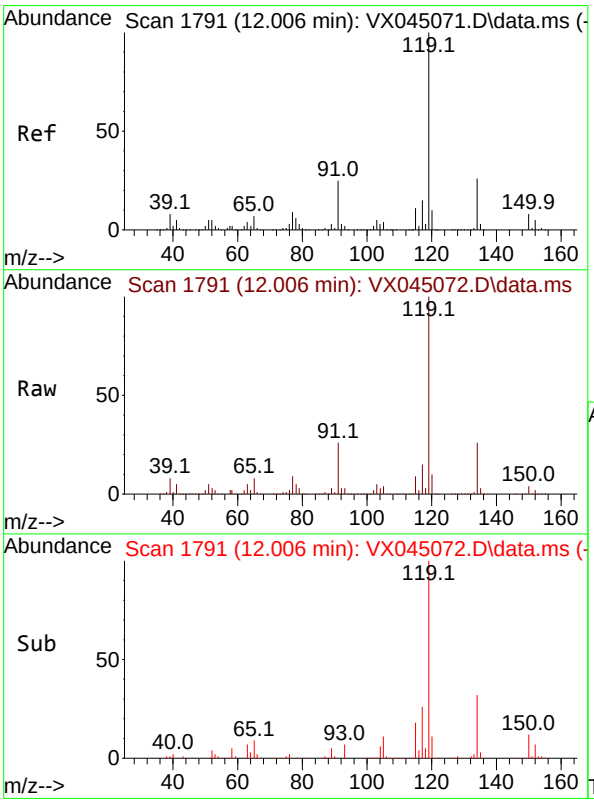
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

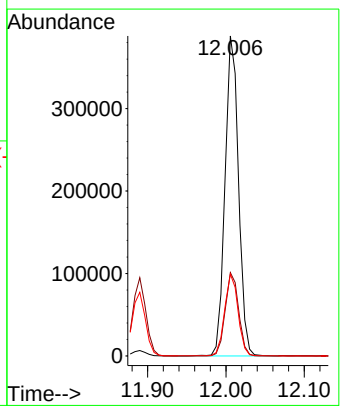
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

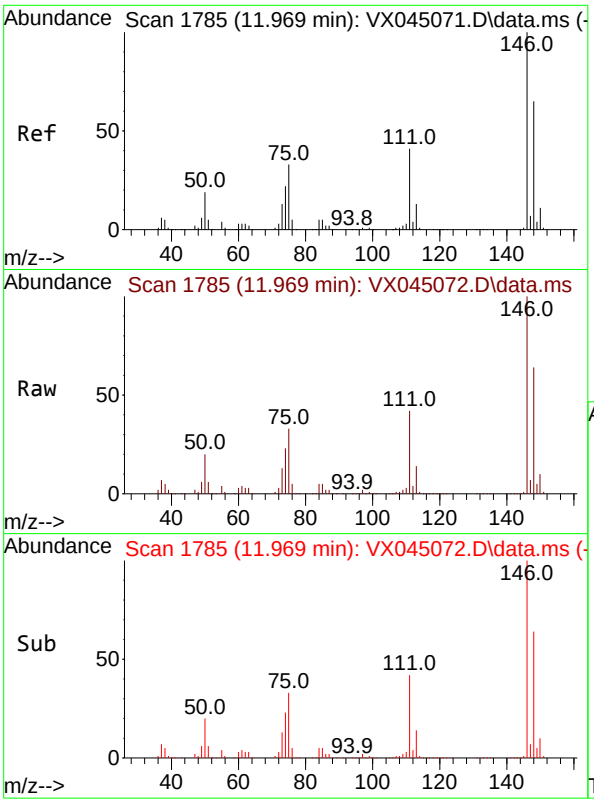


#86
p-Isopropyltoluene
Concen: 102.252 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

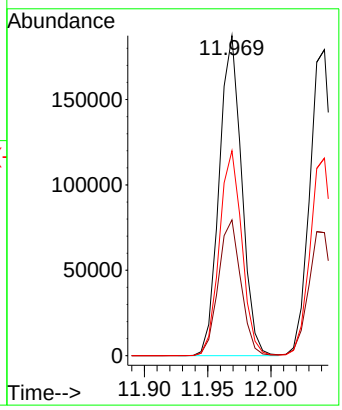
Tgt Ion:146 Resp: 23144

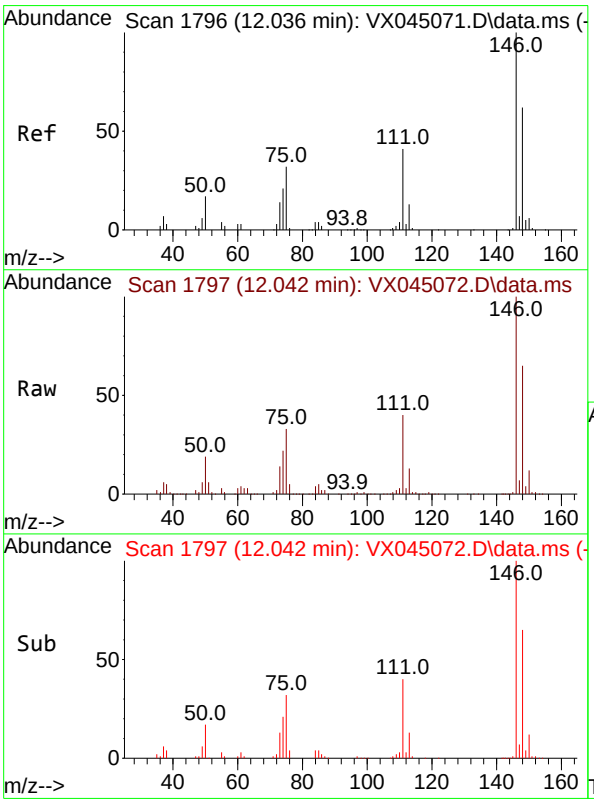
Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.4
148	64.1	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

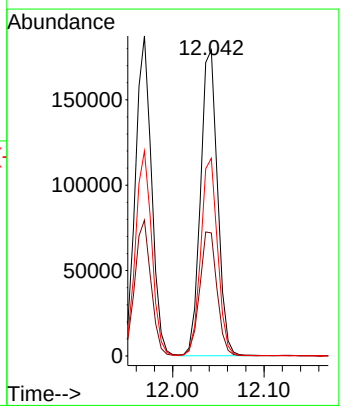


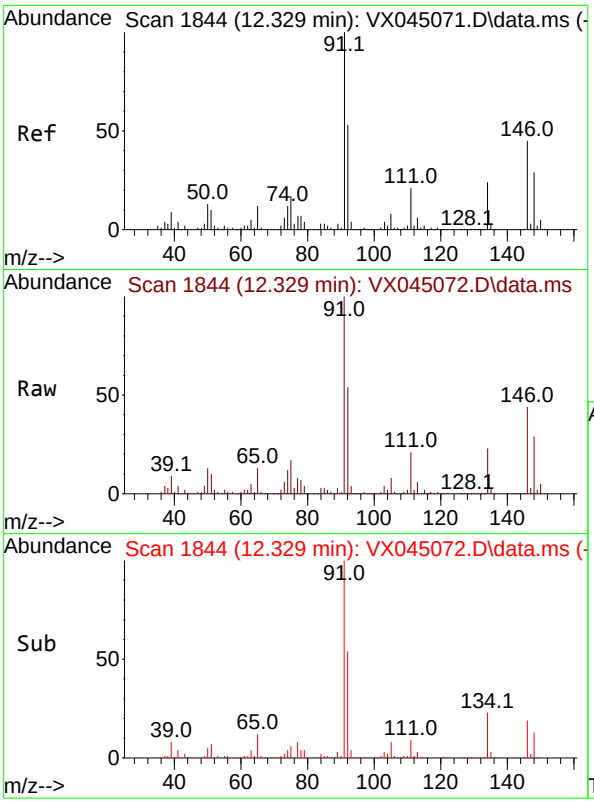


#88
1,4-Dichlorobenzene
Concen: 98.355 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

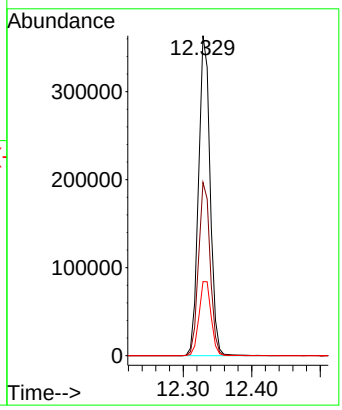




#89
n-Butylbenzene
Concen: 107.000 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 42820

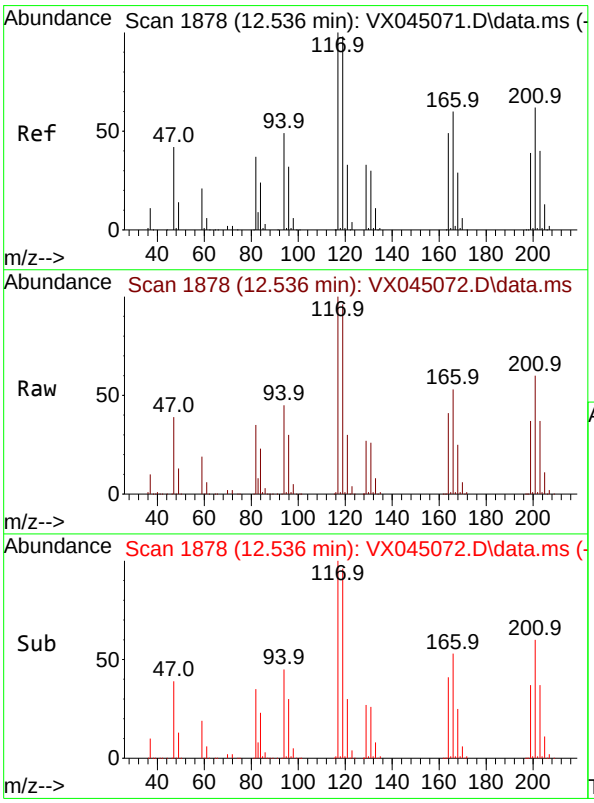
Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.7	80.0
134	24.2	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

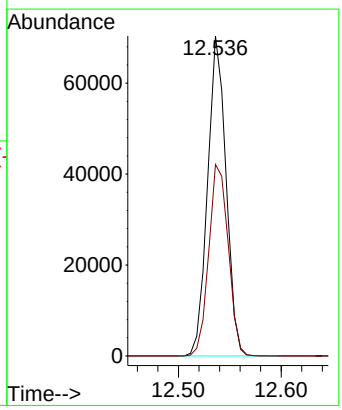
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

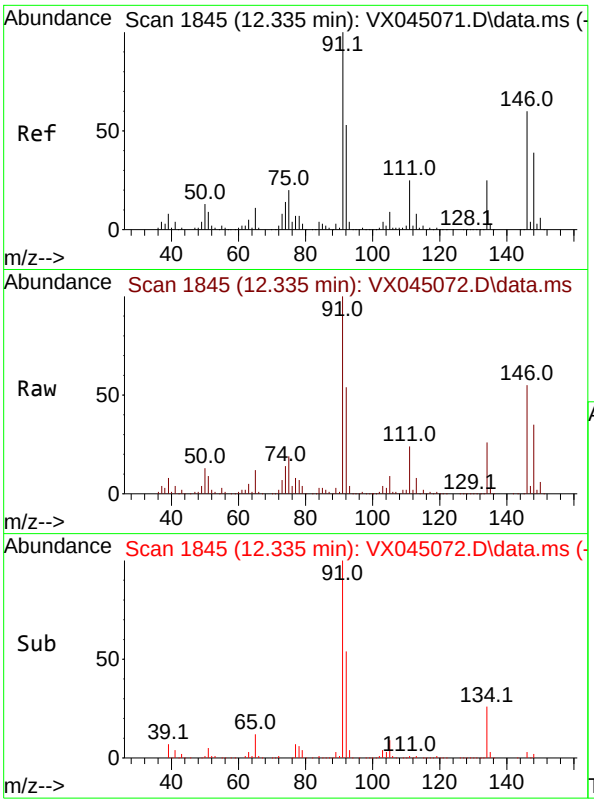


#90
Hexachloroethane
Concen: 102.980 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 87448

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.9

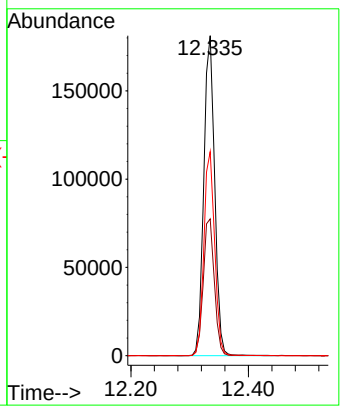




#91
1,2-Dichlorobenzene
Concen: 102.254 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:146 Resp: 23312

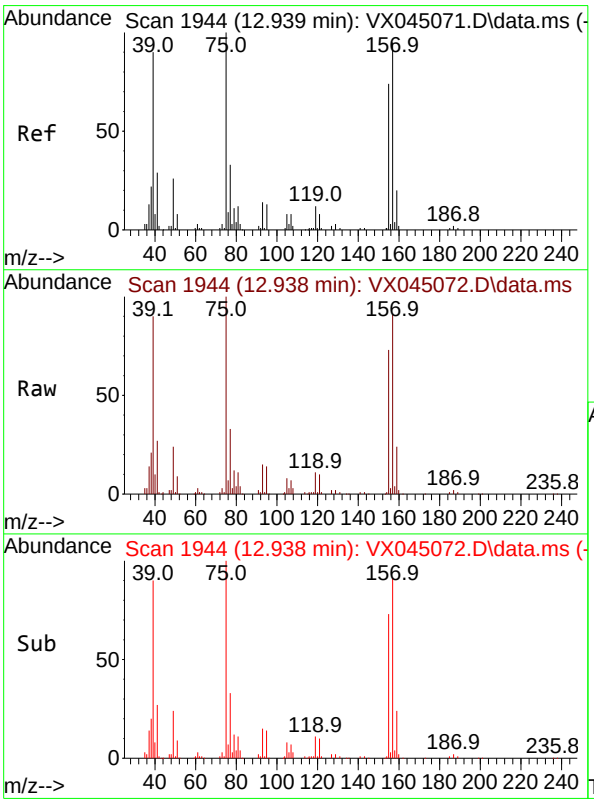
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	65.0
148	63.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

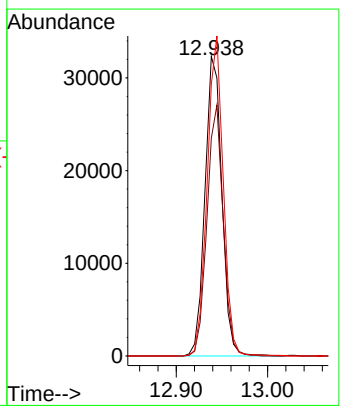
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

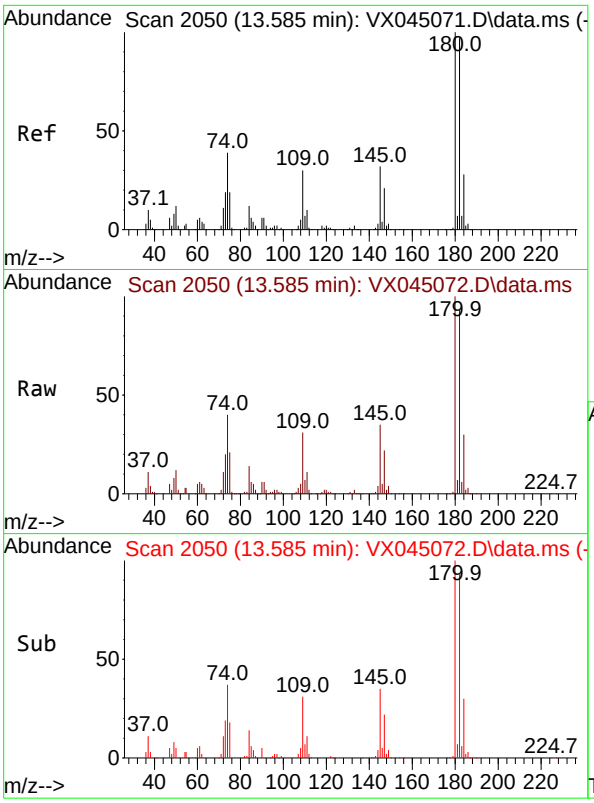


#92
1,2-Dibromo-3-Chloropropane
Concen: 116.296 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

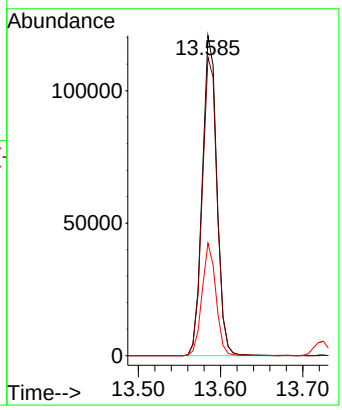




#93
1,2,4-Trichlorobenzene
Concen: 107.648 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:180 Resp: 14836

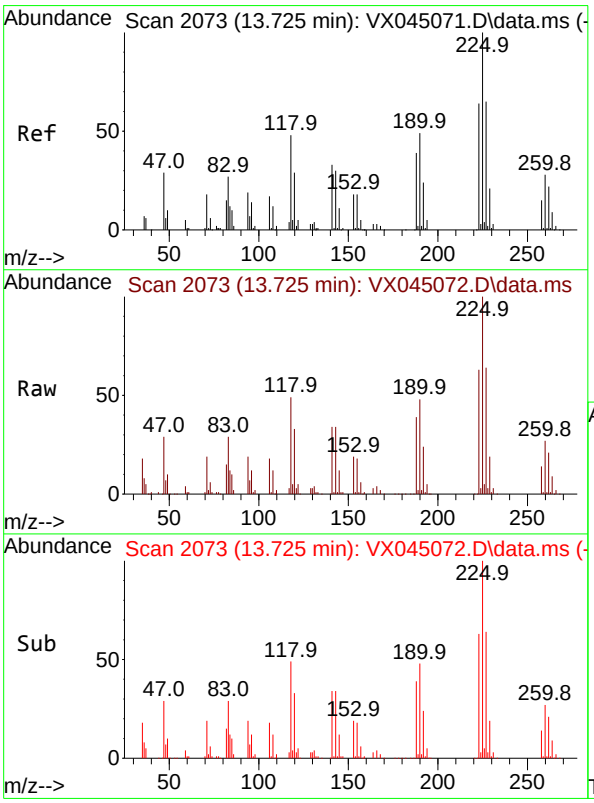
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	33.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

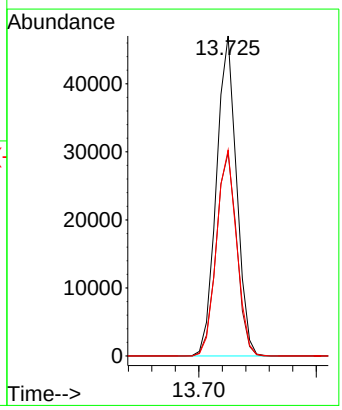
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

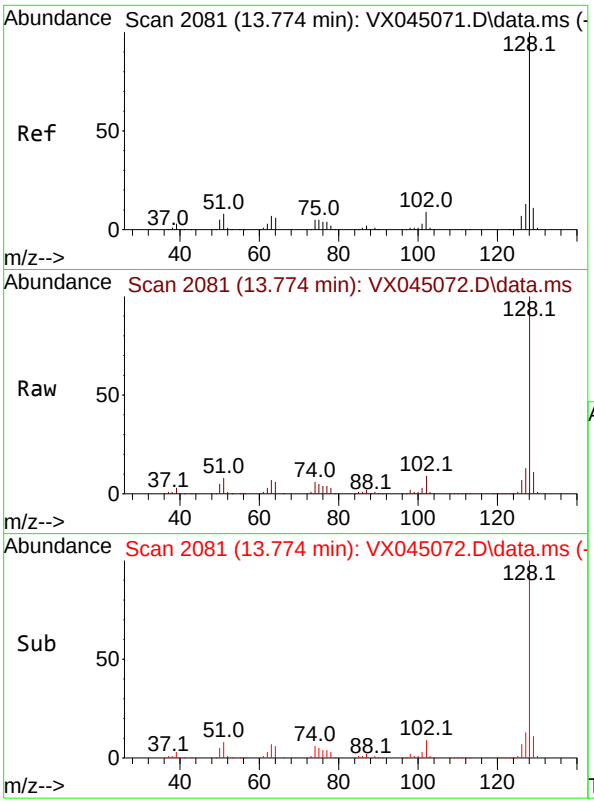


#94
Hexachlorobutadiene
Concen: 102.019 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

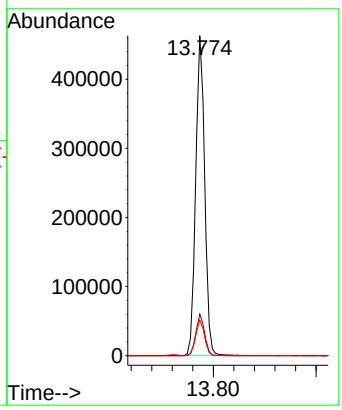




#95
Naphthalene
Concen: 112.593 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:128 Resp: 56525

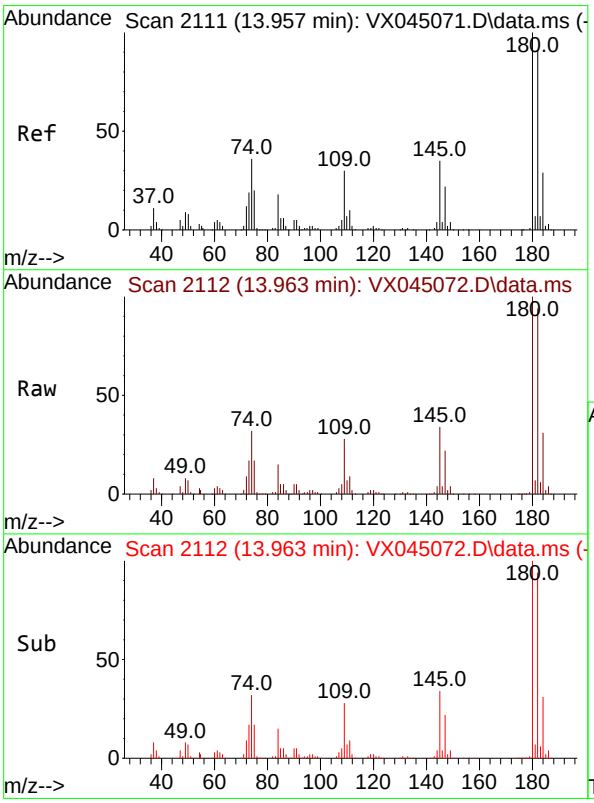
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

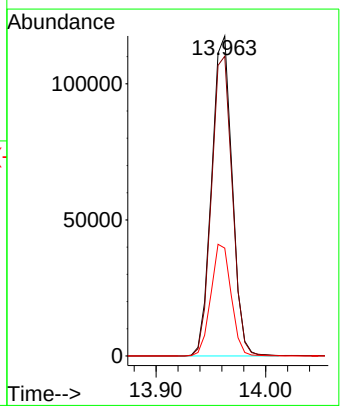
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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



Quantitation Report (QT Reviewed)

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

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)
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

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

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

ICAL Form

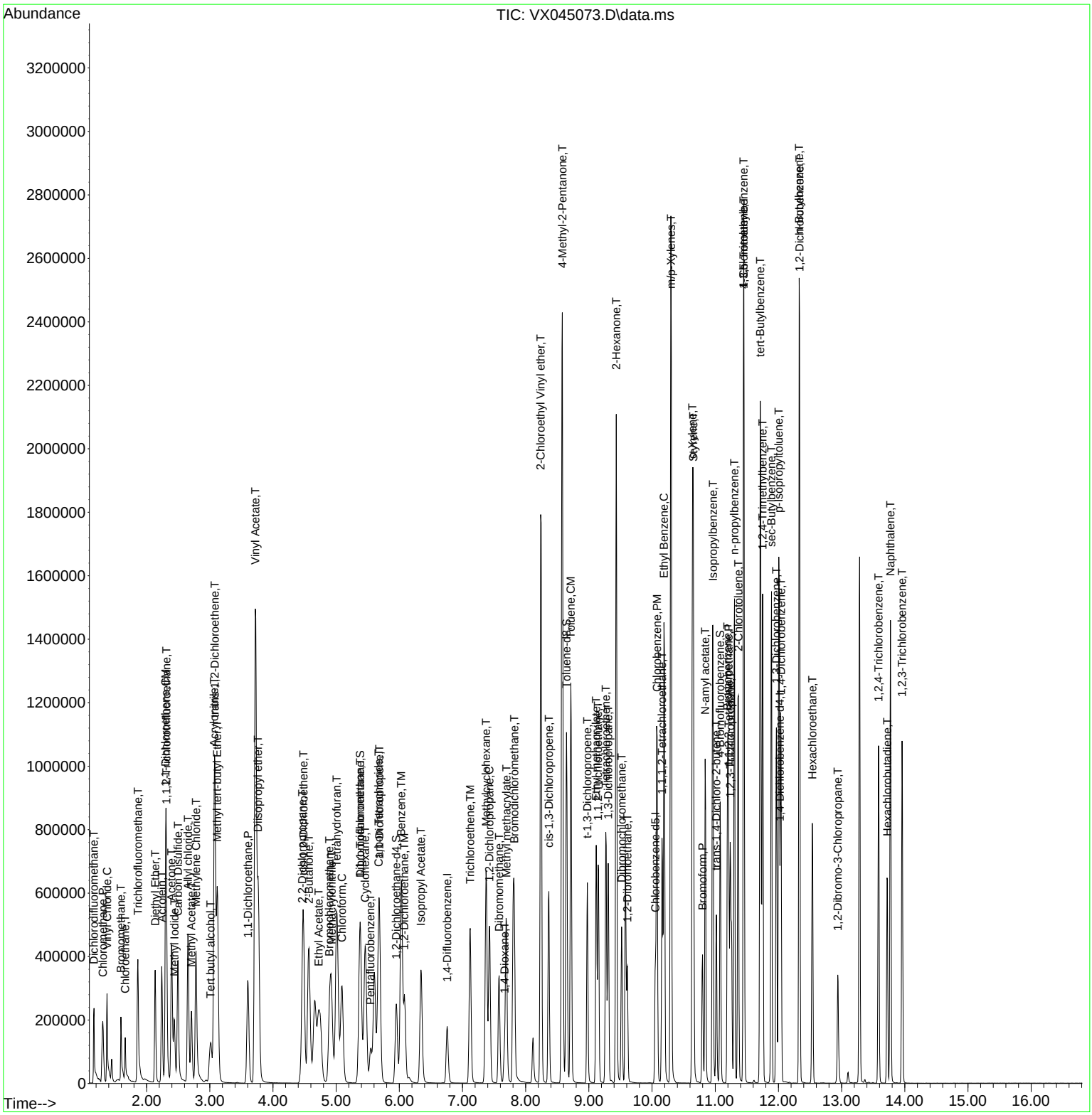
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Data File : VX045073.D
Acq On : 28 Feb 2025 03:47
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

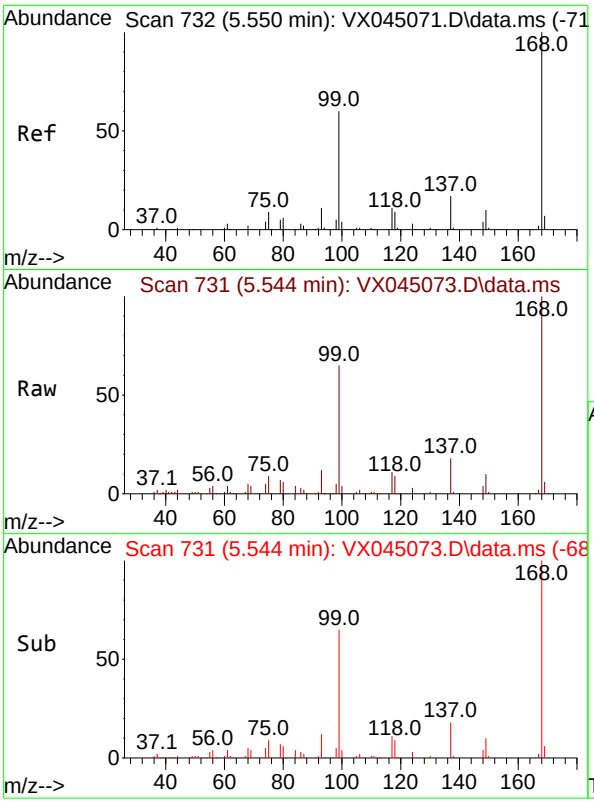
Quant Time: Feb 28 05:36:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 05:28:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

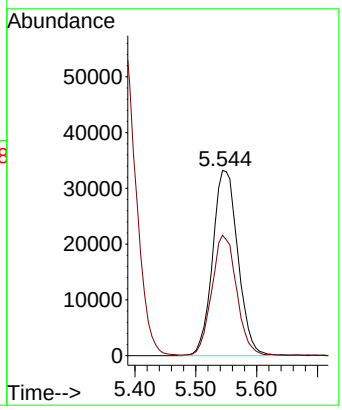




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:168 Resp: 9575

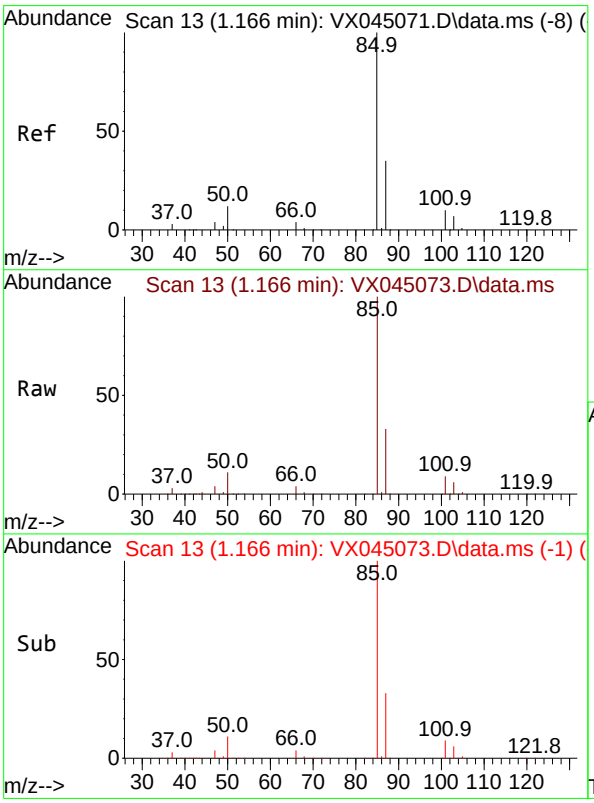
Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

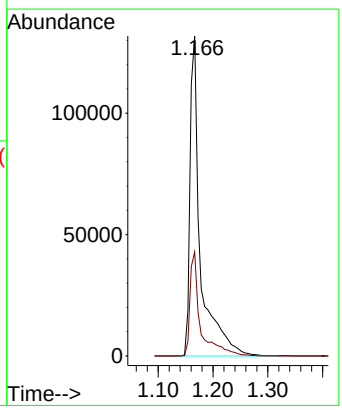
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

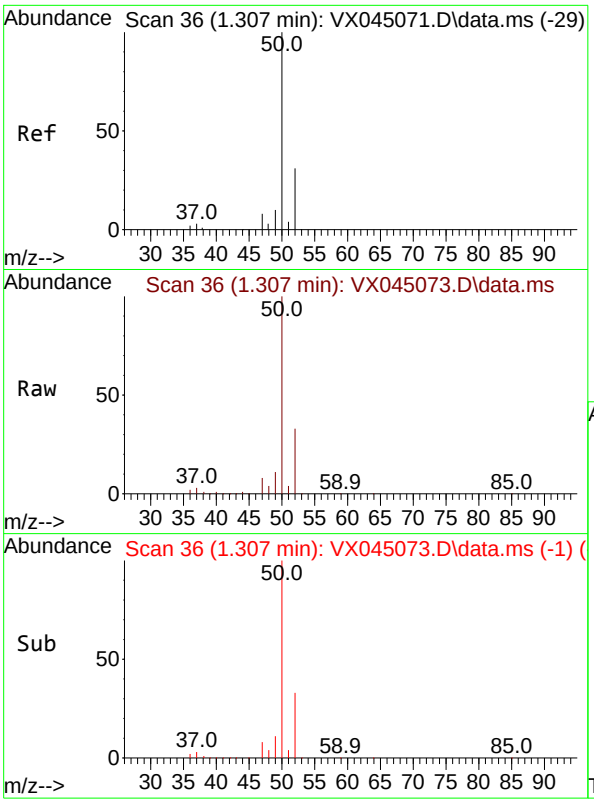


#2
Dichlorodifluoromethane
Concen: 132.067 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 85 Resp: 174297

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.4	52.3

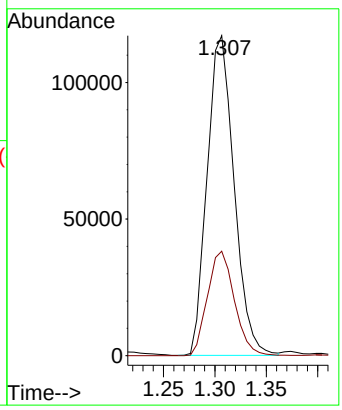




#3
Chloromethane
Concen: 133.072 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 50 Resp: 21370

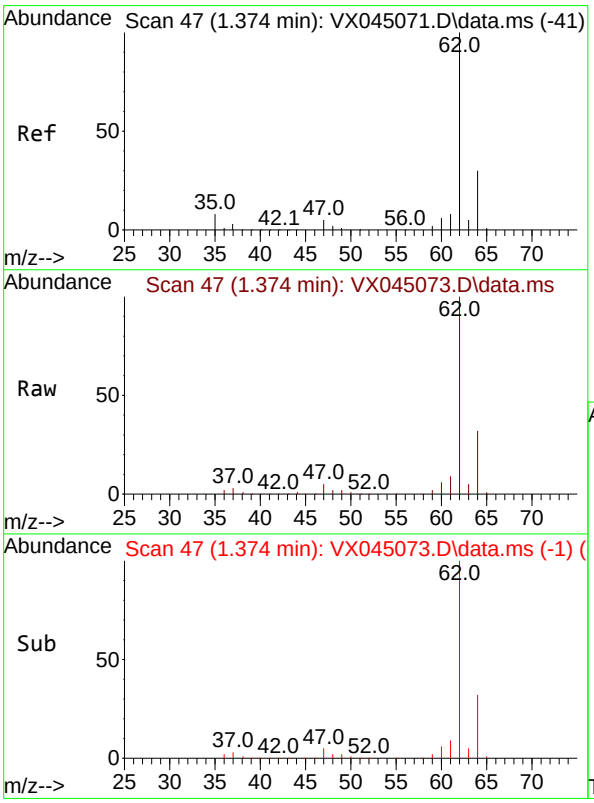
Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

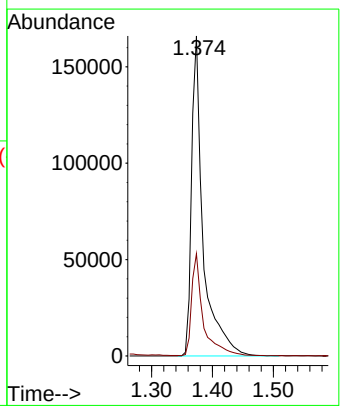
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

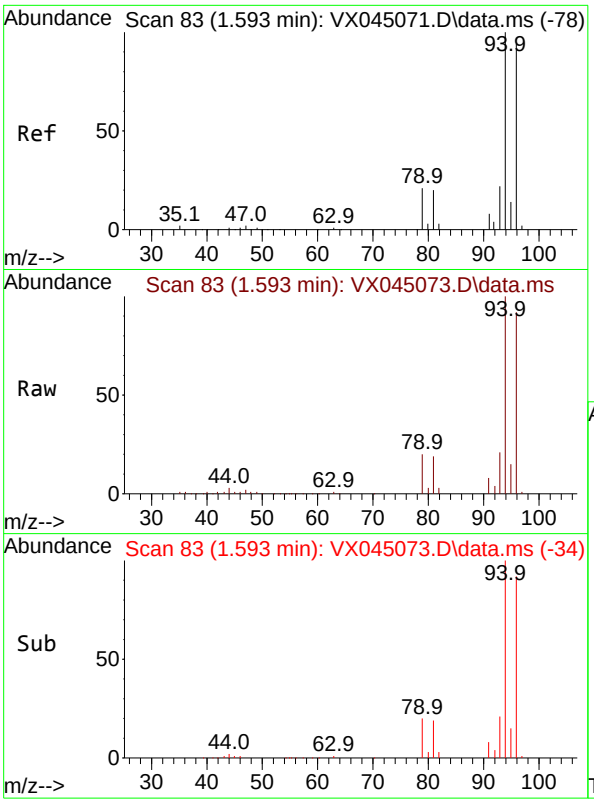


#4
Vinyl Chloride
Concen: 138.774 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

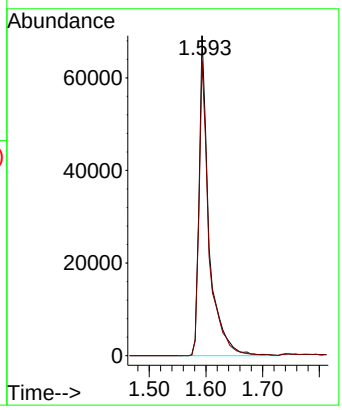
Tgt Ion: 94 Resp: 8354

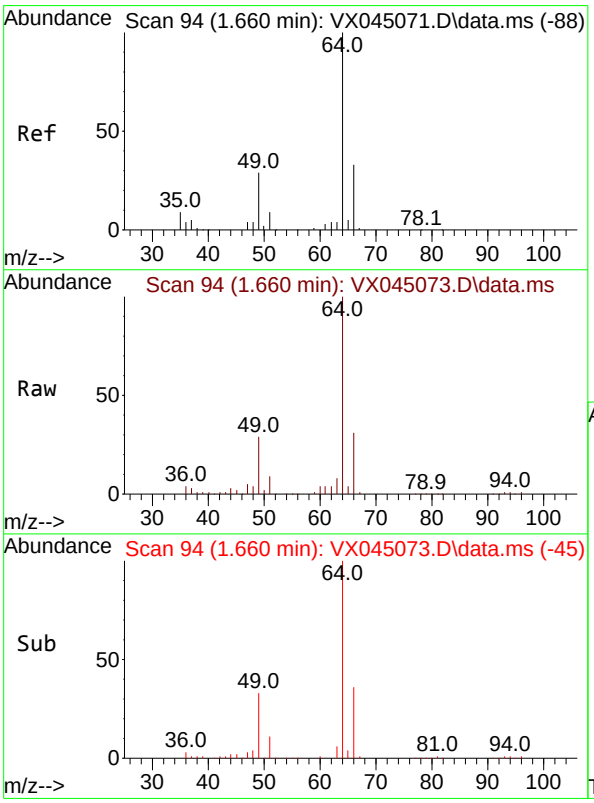
Ion	Ratio	Lower	Upper
94	100		
96	92.2	75.0	112.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

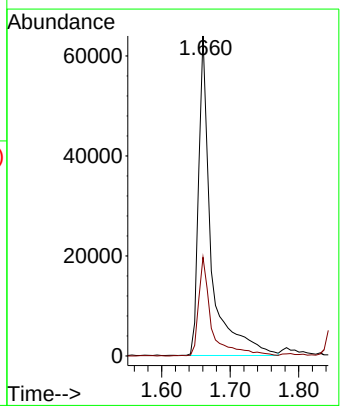


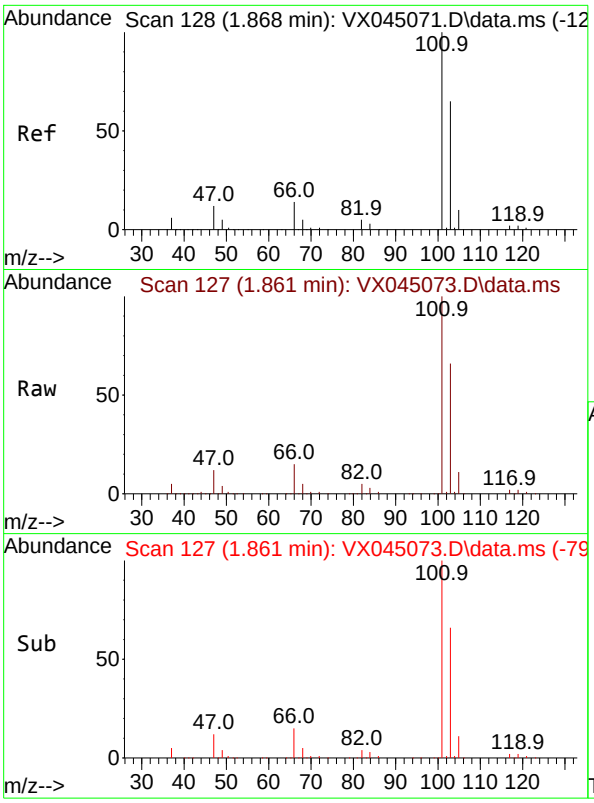


#6
Chloroethane
Concen: 137.509 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 64 Resp: 82101

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.7	40.1

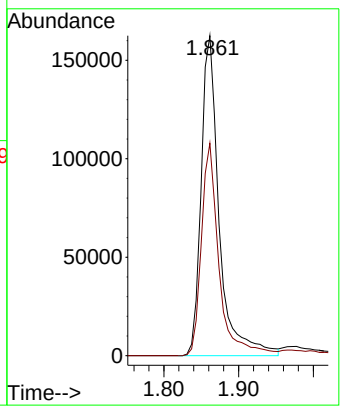




#7
Trichlorofluoromethane
Concen: 135.494 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:101 Resp: 27223

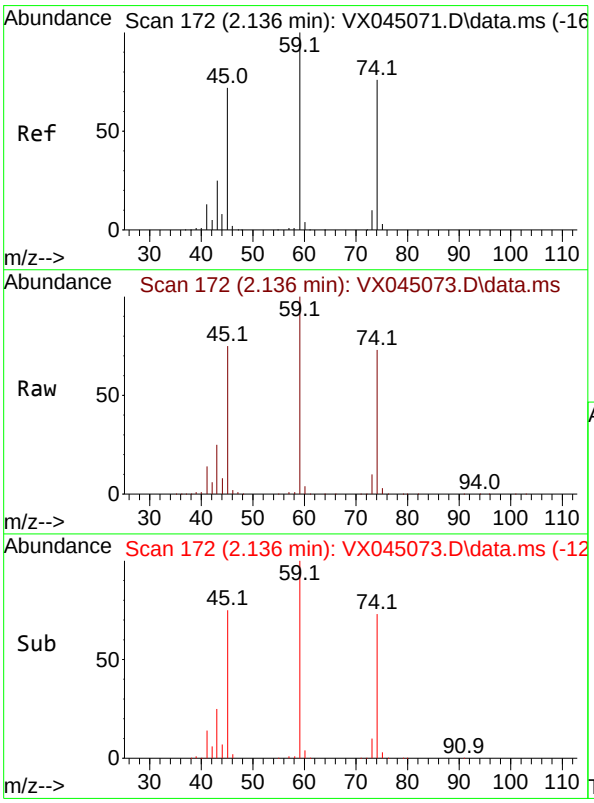
Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

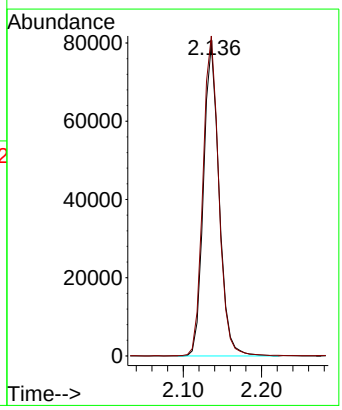
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

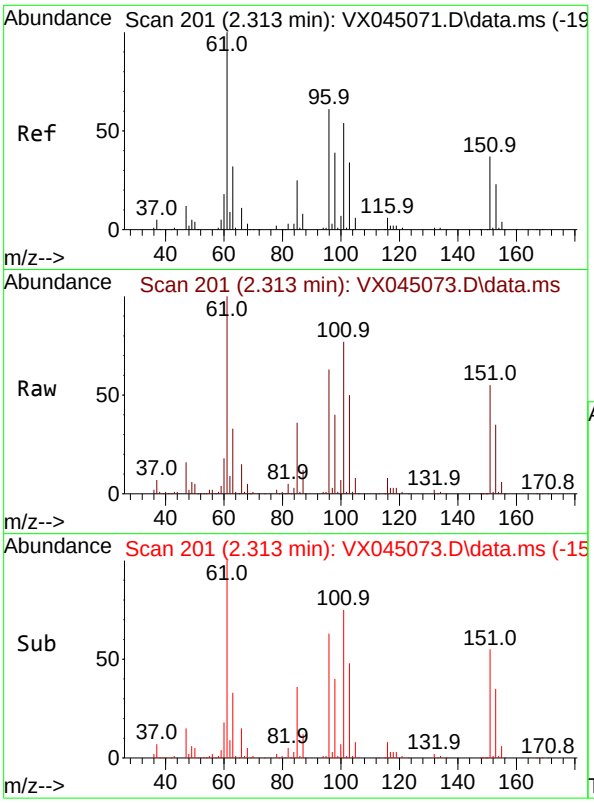


#8
Diethyl Ether
Concen: 150.660 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

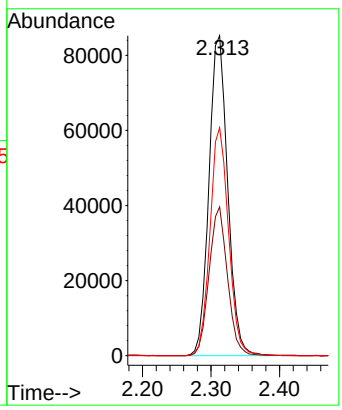
Tgt Ion:101 Resp: 16182

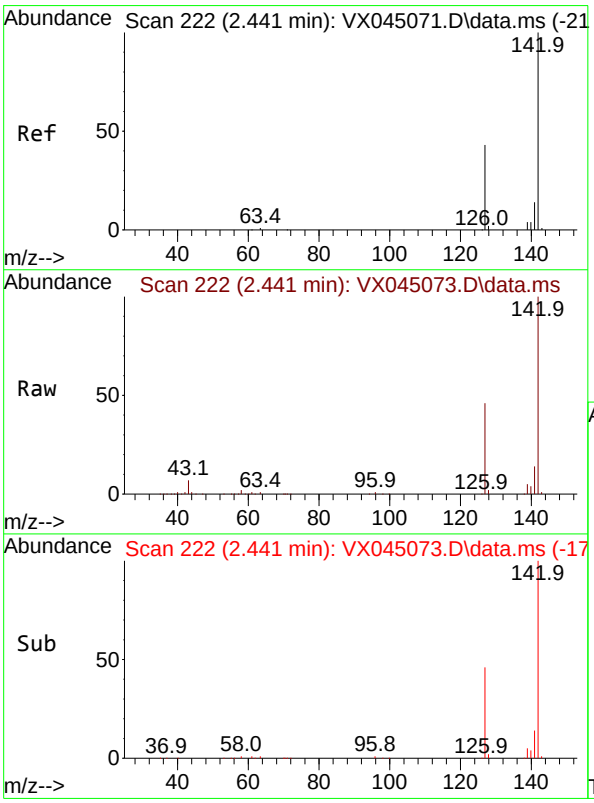
Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.2	54.4
151	70.8	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

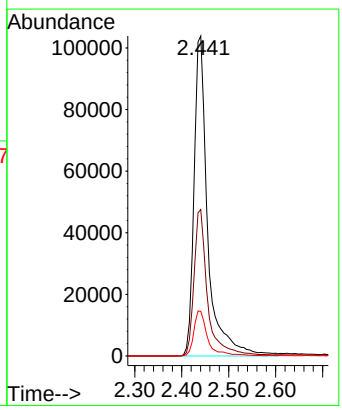


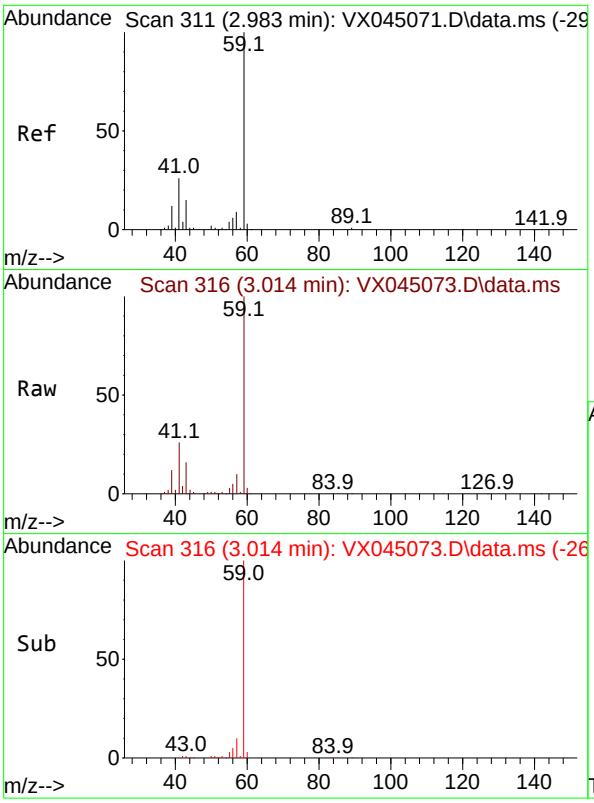


#10
Methyl Iodide
Concen: 138.059 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

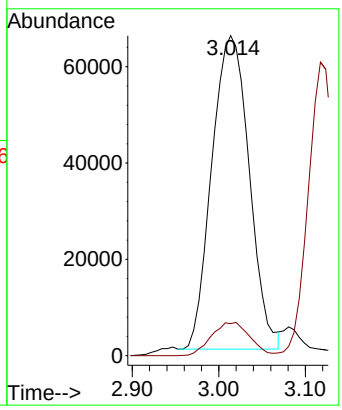
Tgt Ion: 59 Resp: 19541

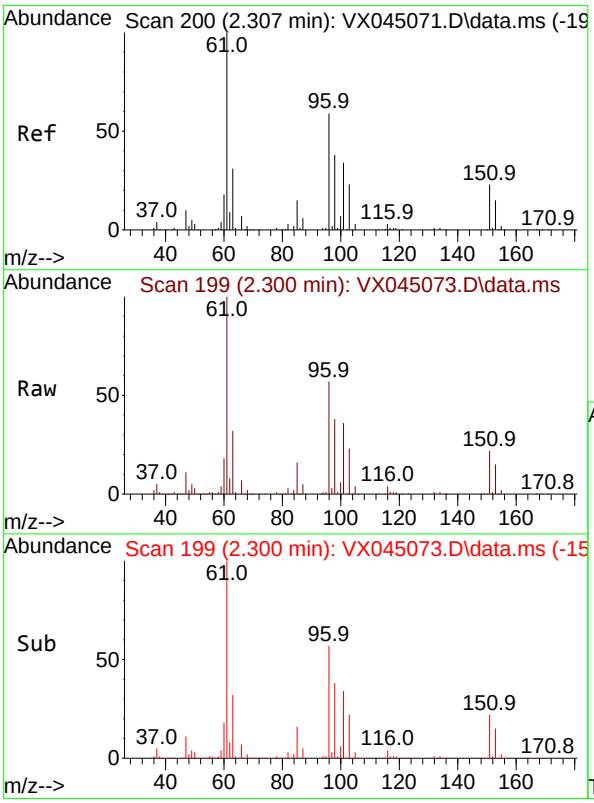
Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

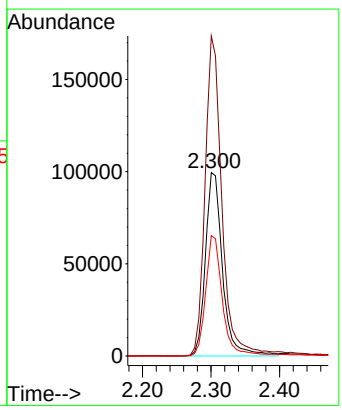


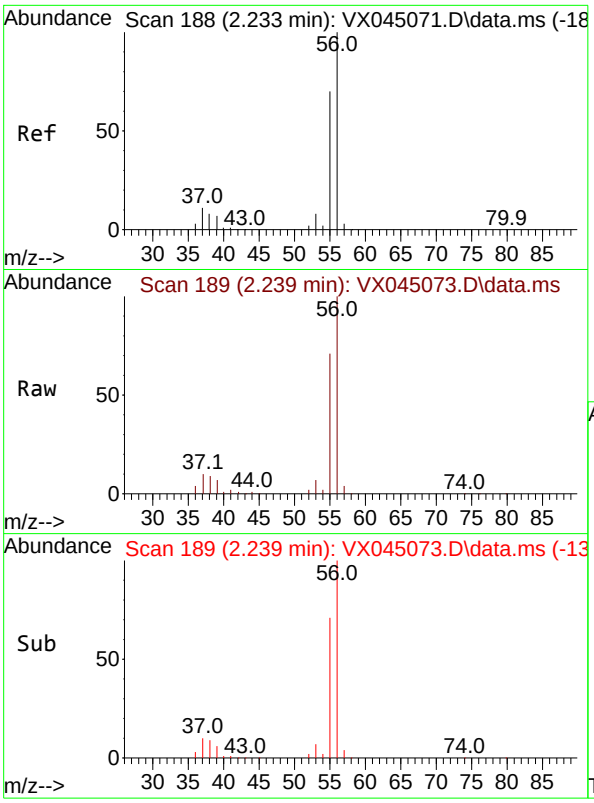


#12
1,1-Dichloroethene
Concen: 140.655 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

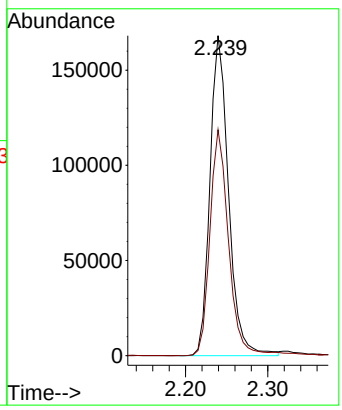




#13
Acrolein
Concen: 940.846 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 56 Resp: 26399

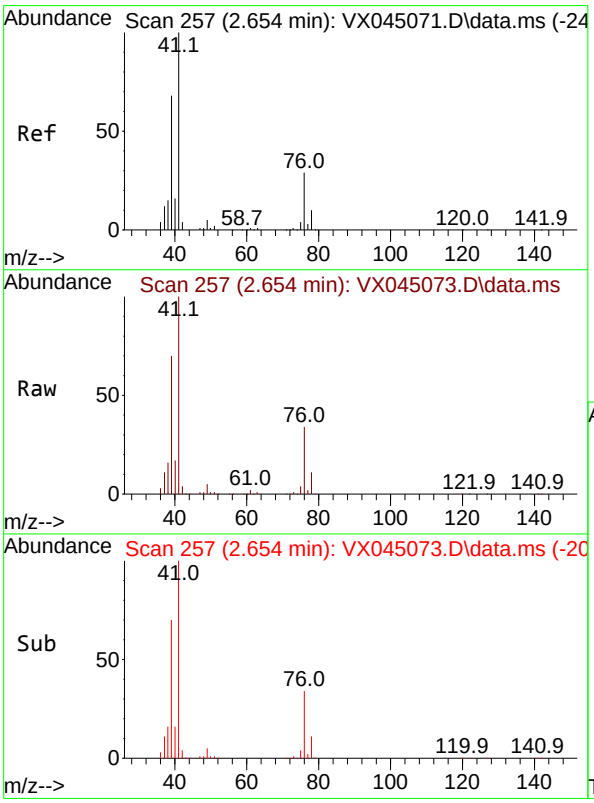
Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

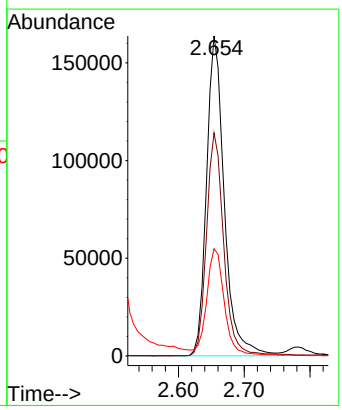
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

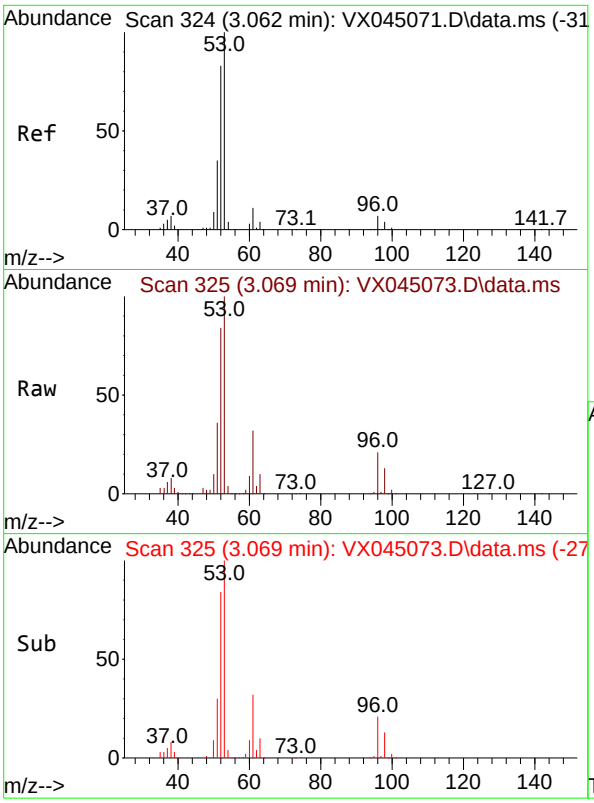


#14
Allyl chloride
Concen: 139.077 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

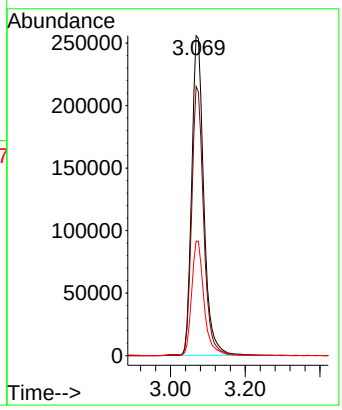




#15
Acrylonitrile
Concen: 813.990 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 53 Resp: 57320

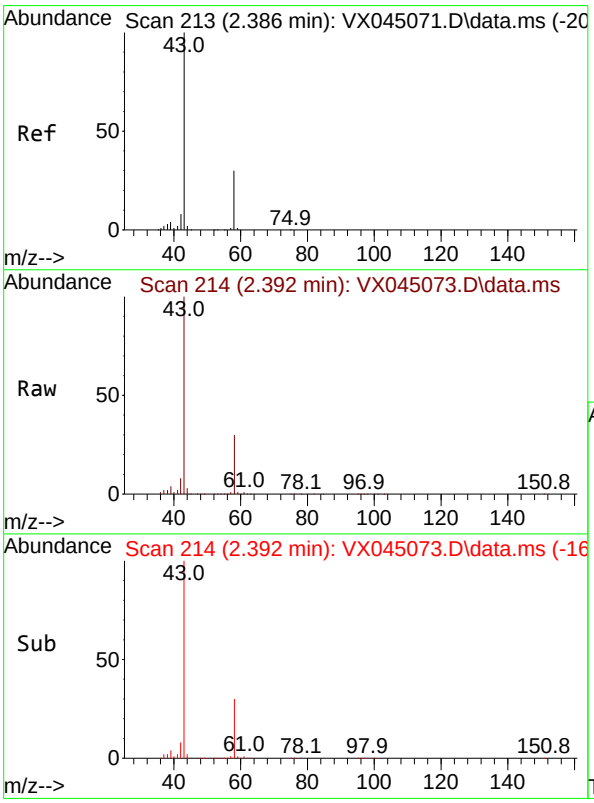
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	37.0	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

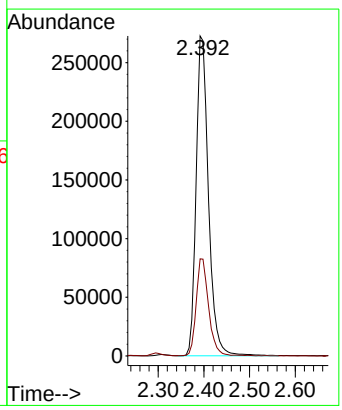
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

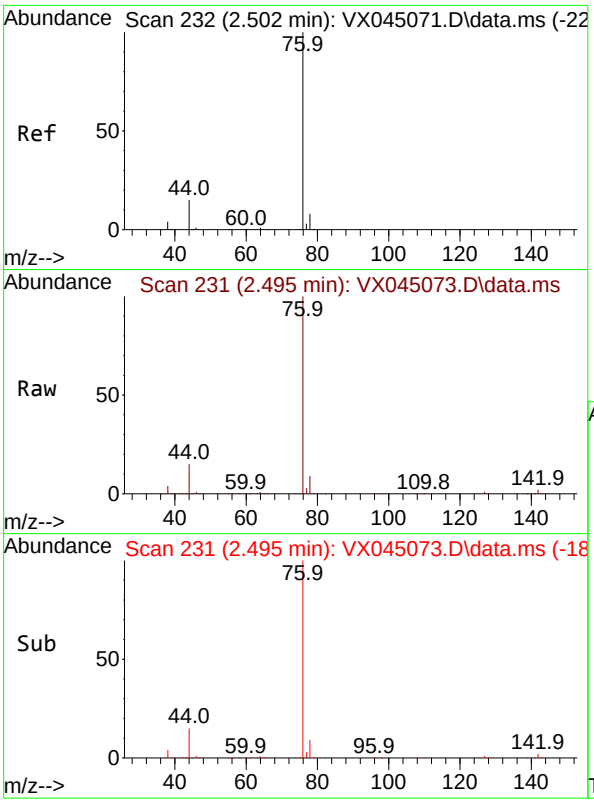


#16
Acetone
Concen: 879.387 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 511828

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4

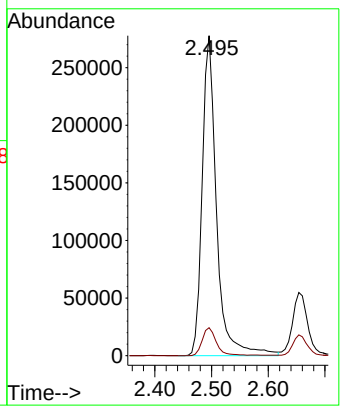




#17
Carbon Disulfide
Concen: 145.511 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 76 Resp: 48772

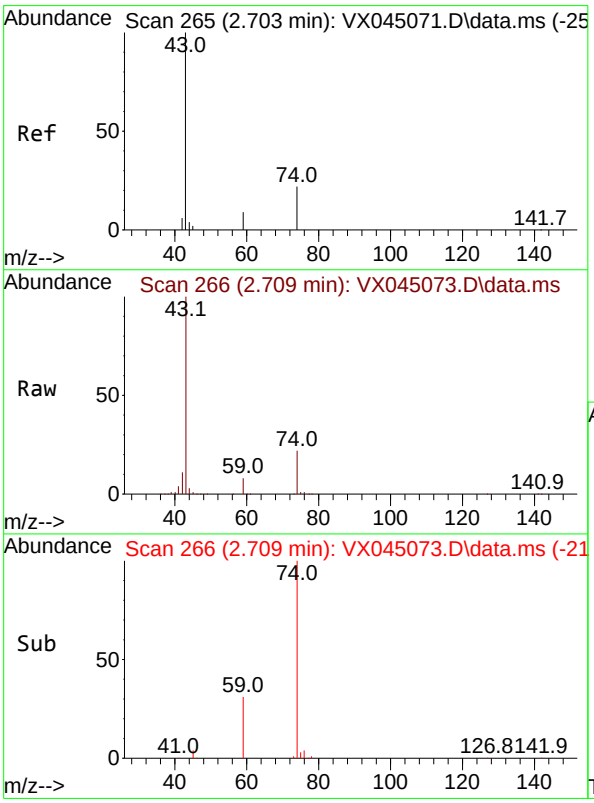
Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

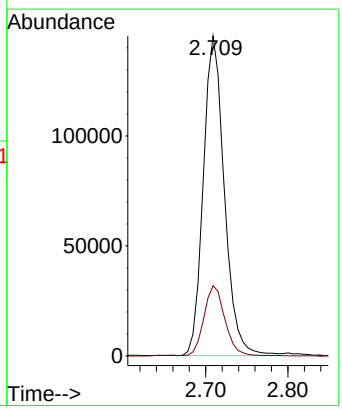
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

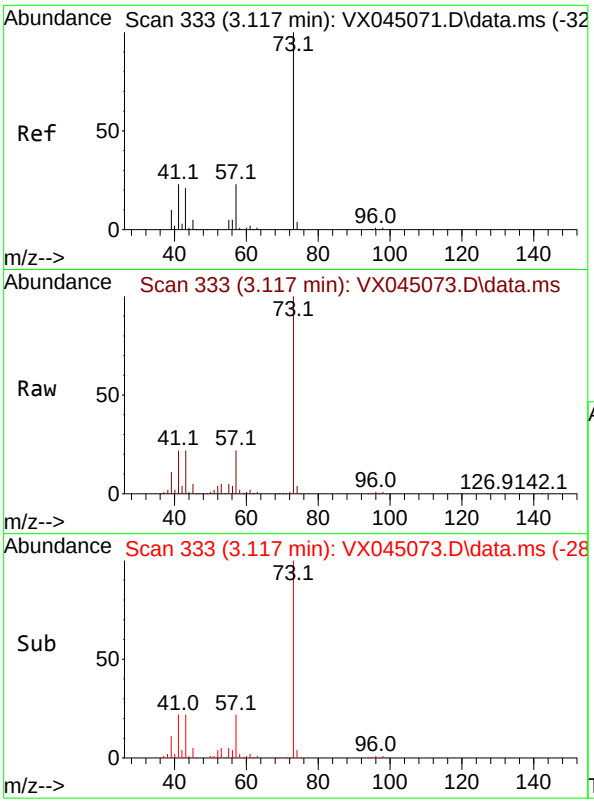


#18
Methyl Acetate
Concen: 147.347 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

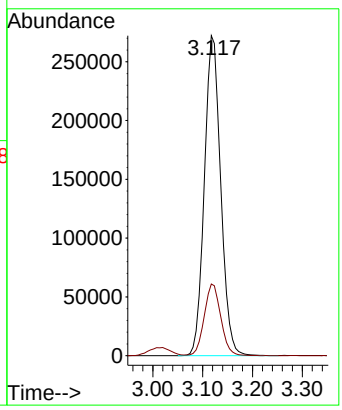
Tgt Ion: 73 Resp: 61977

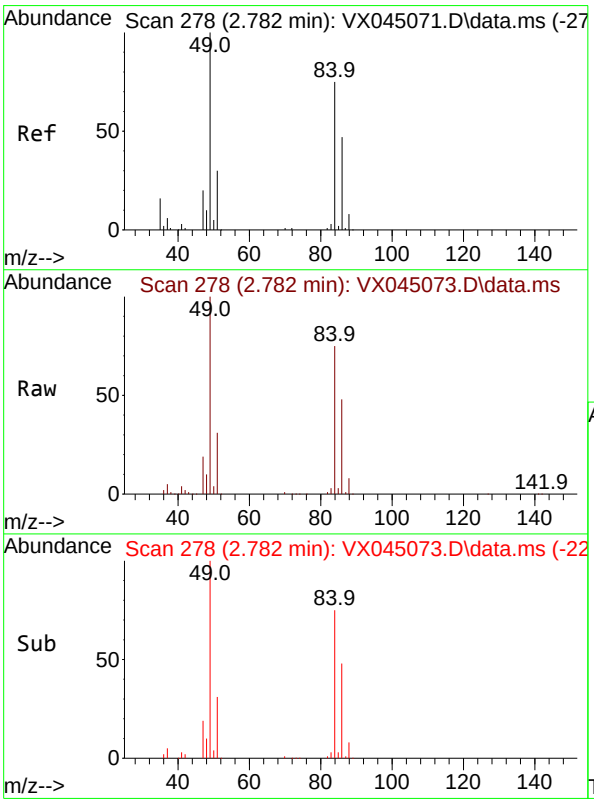
Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

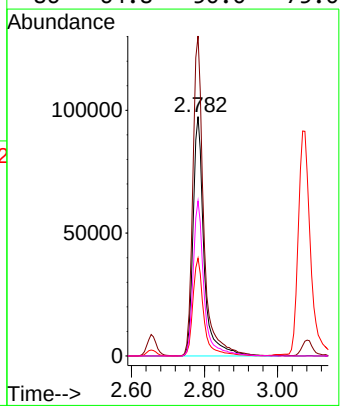


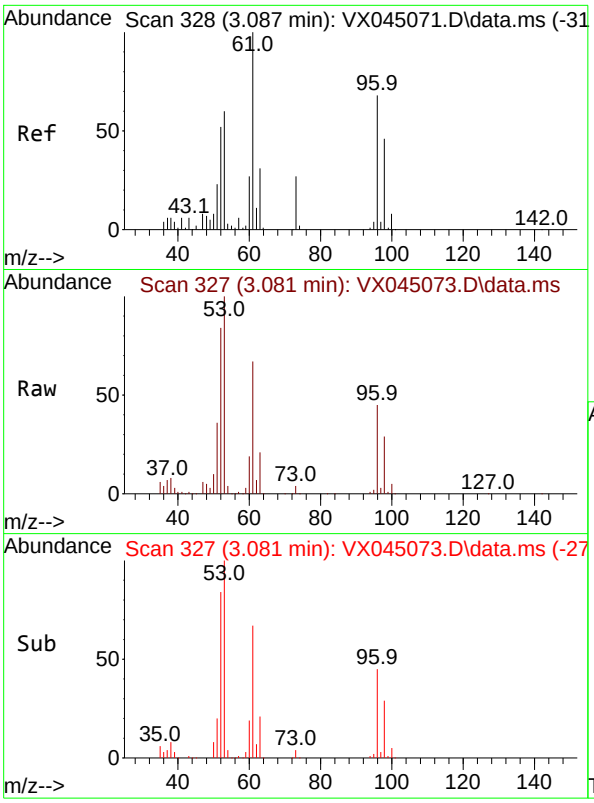


#20
Methylene Chloride
Concen: 147.198 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

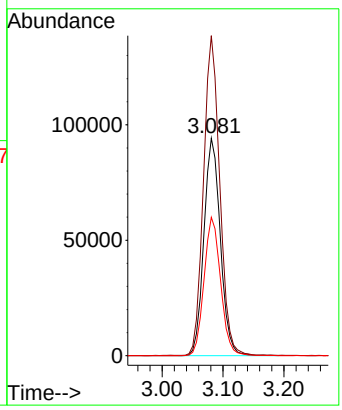




#21
trans-1,2-Dichloroethene
Concen: 146.027 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 17692

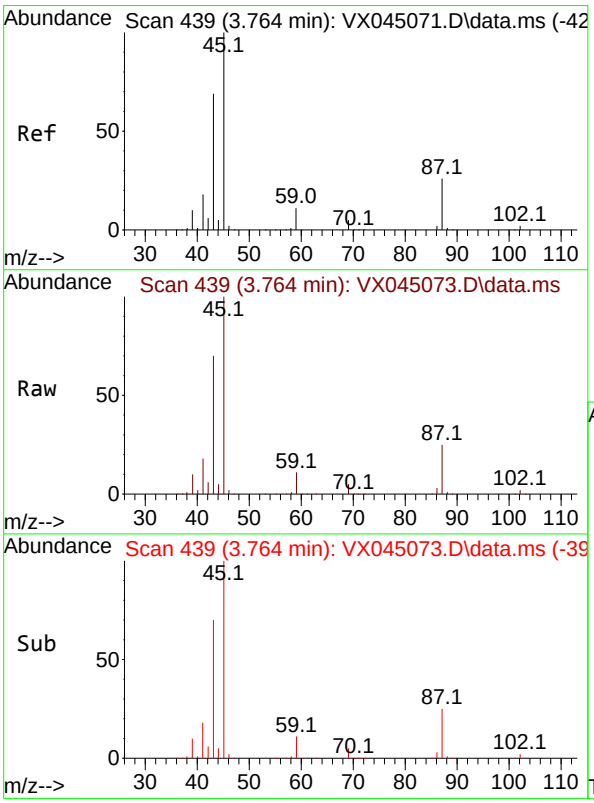
Ion	Ratio	Lower	Upper
96	100		
61	147.0	117.0	175.4
98	63.6	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

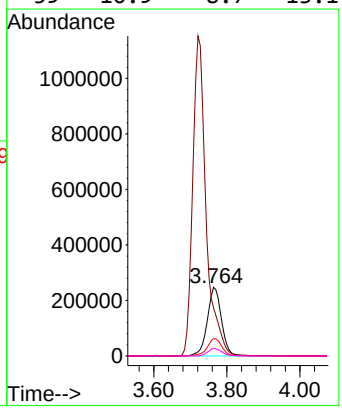
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

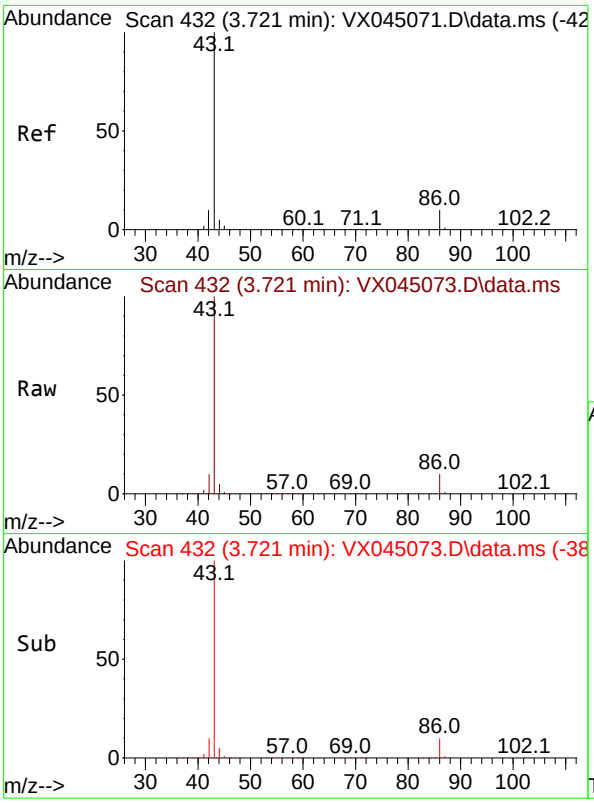


#22
Diisopropyl ether
Concen: 156.526 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

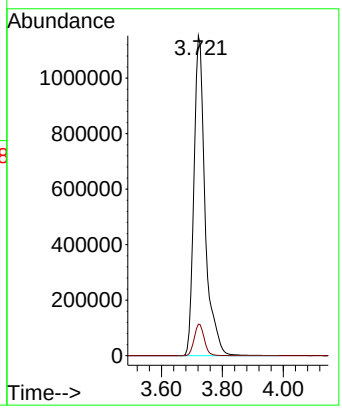




#23
Vinyl Acetate
Concen: 846.586 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 294315

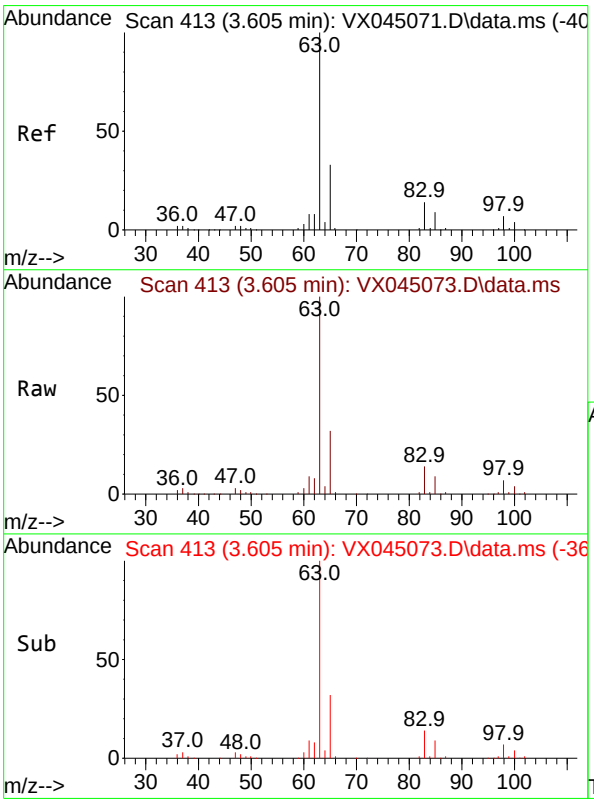
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

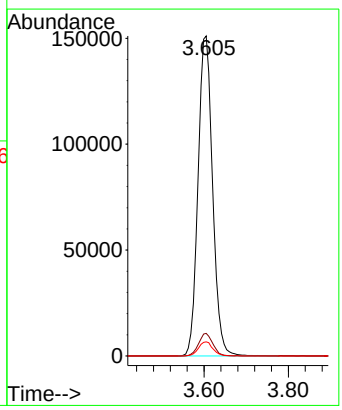
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

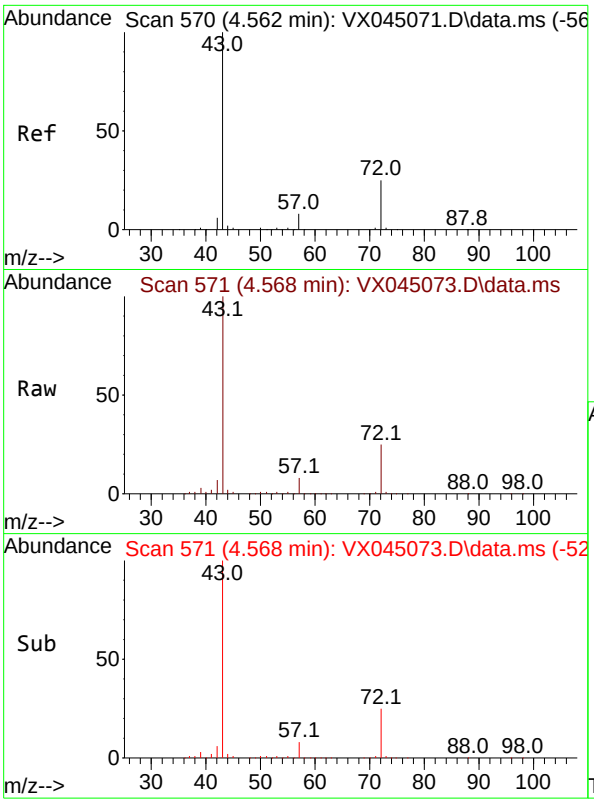


#24
1,1-Dichloroethane
Concen: 153.453 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

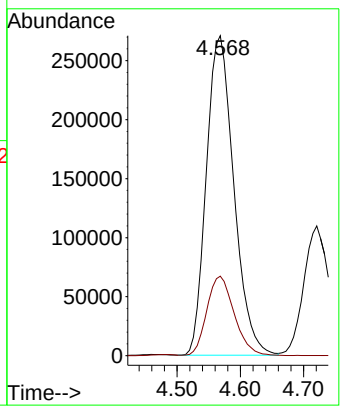




#25
2-Butanone
Concen: 872.239 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 81849

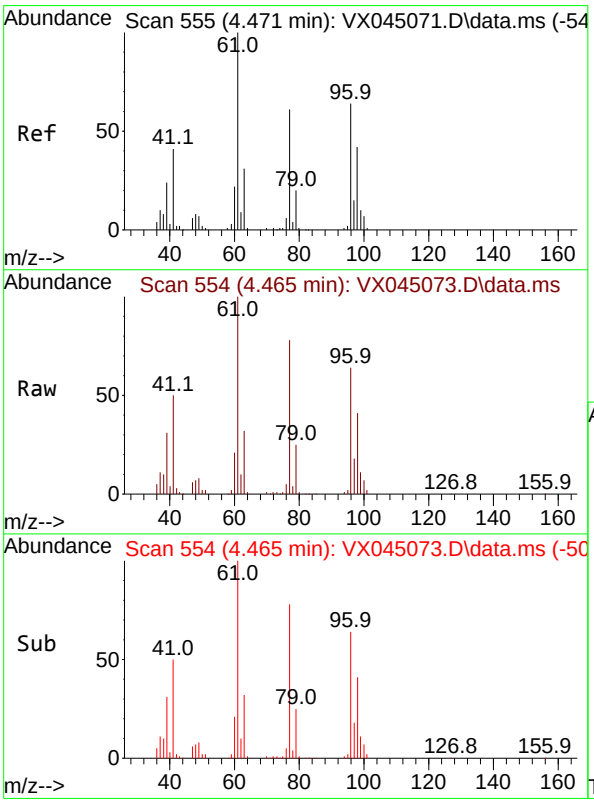
Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

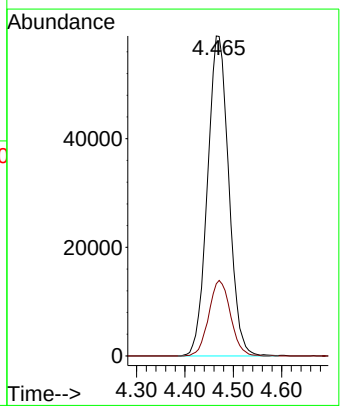
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

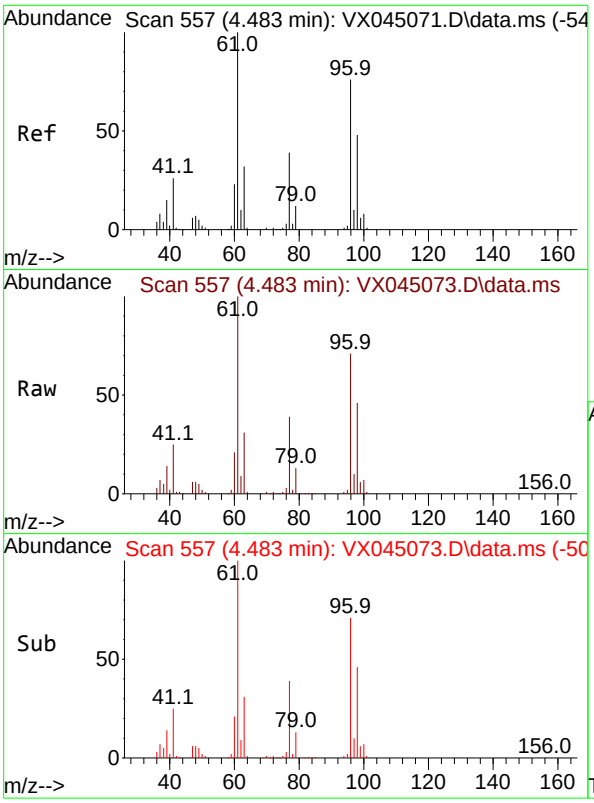


#26
2,2-Dichloropropane
Concen: 102.231 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 77 Resp: 179826

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.0

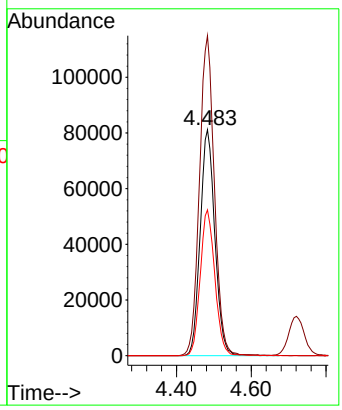




#27
cis-1,2-Dichloroethene
Concen: 151.205 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 96 Resp: 22082

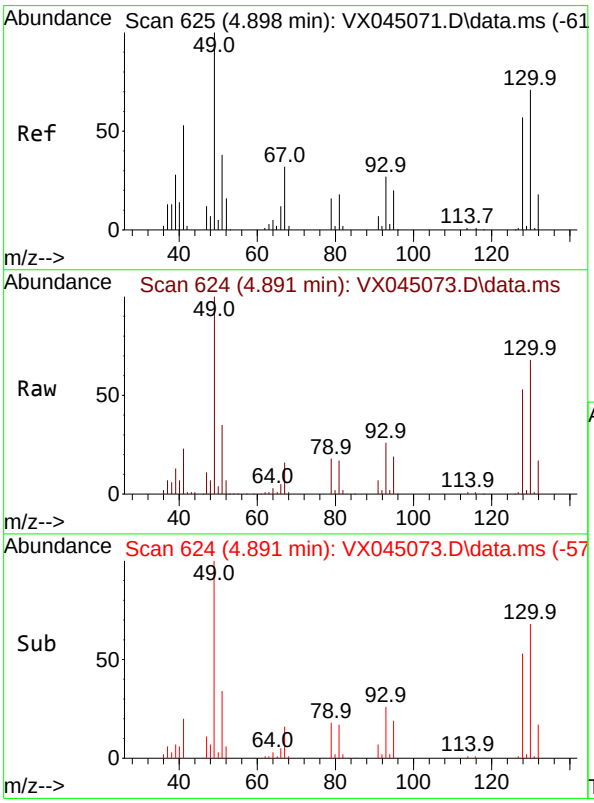
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	283.2
98	64.3	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

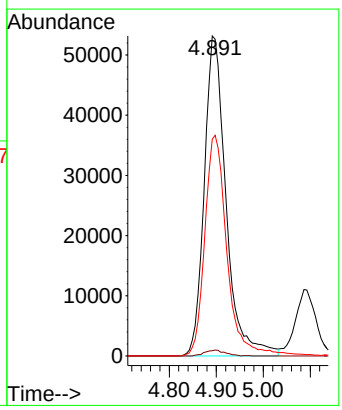
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

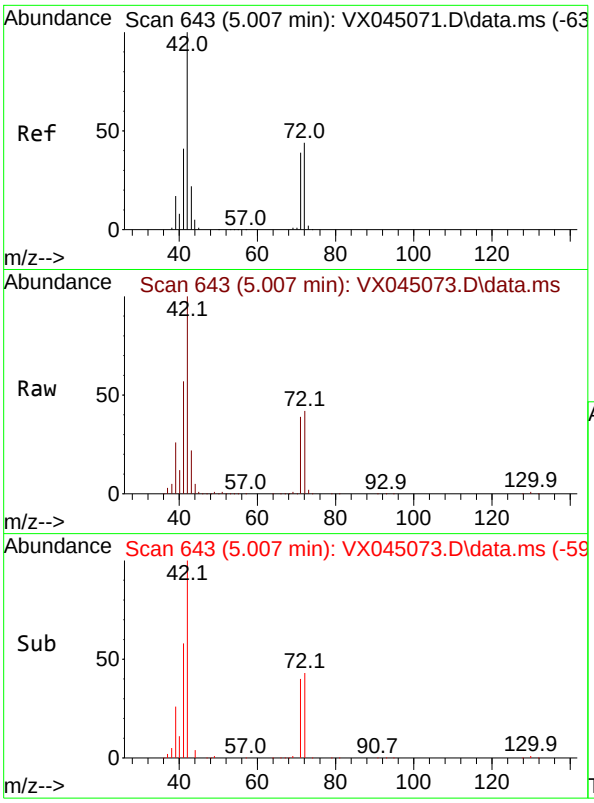


#28
Bromochloromethane
Concen: 150.105 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

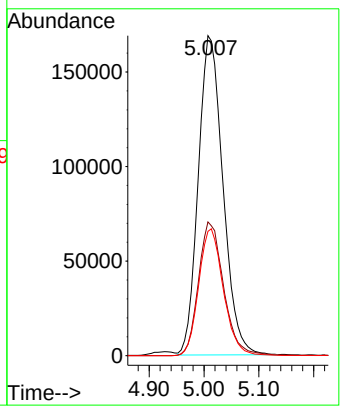
Tgt Ion: 42 Resp: 52857

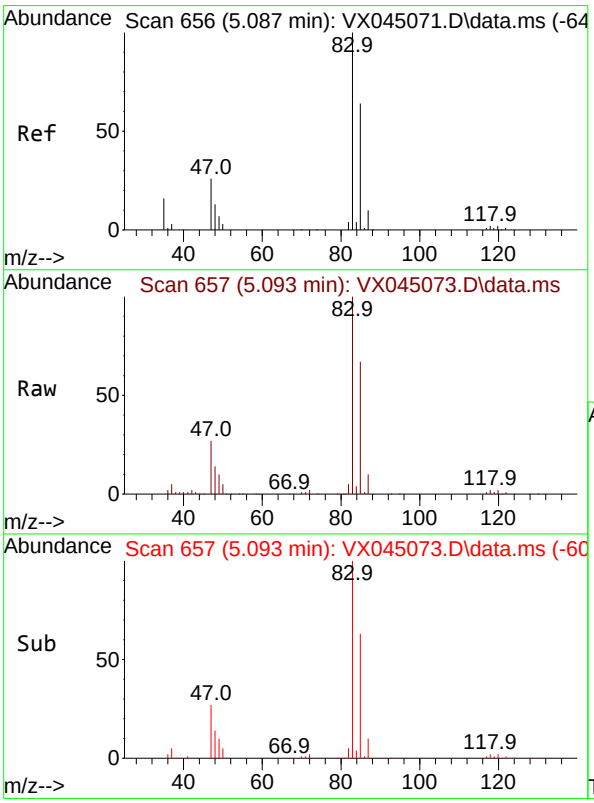
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	39.7	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

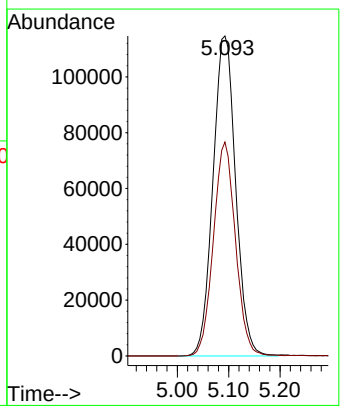


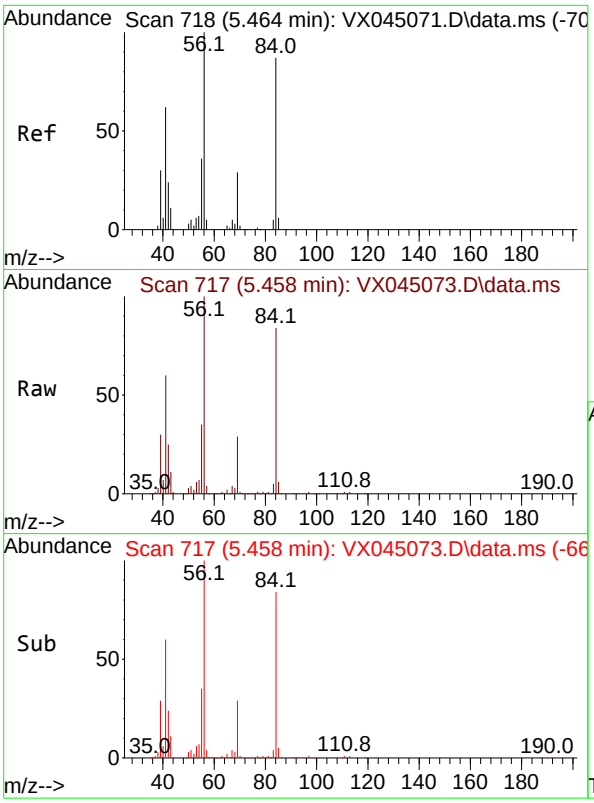


#30
Chloroform
Concen: 152.067 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

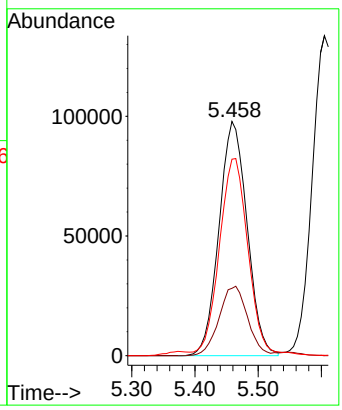
Tgt Ion: 56 Resp: 30221

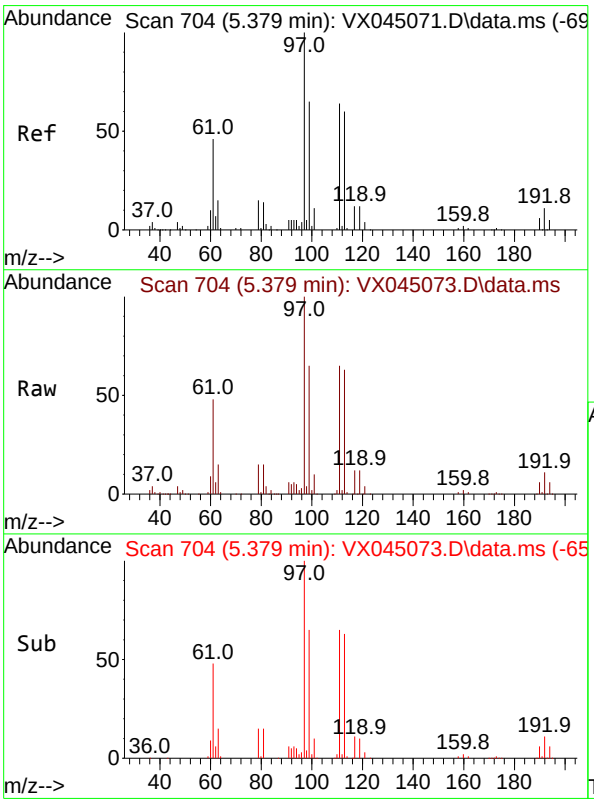
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	82.2	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

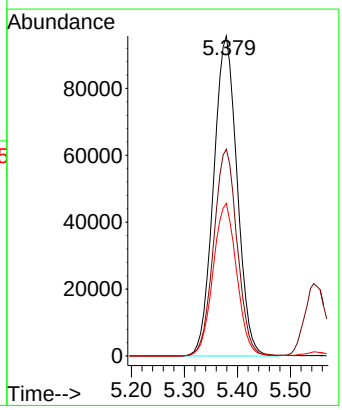


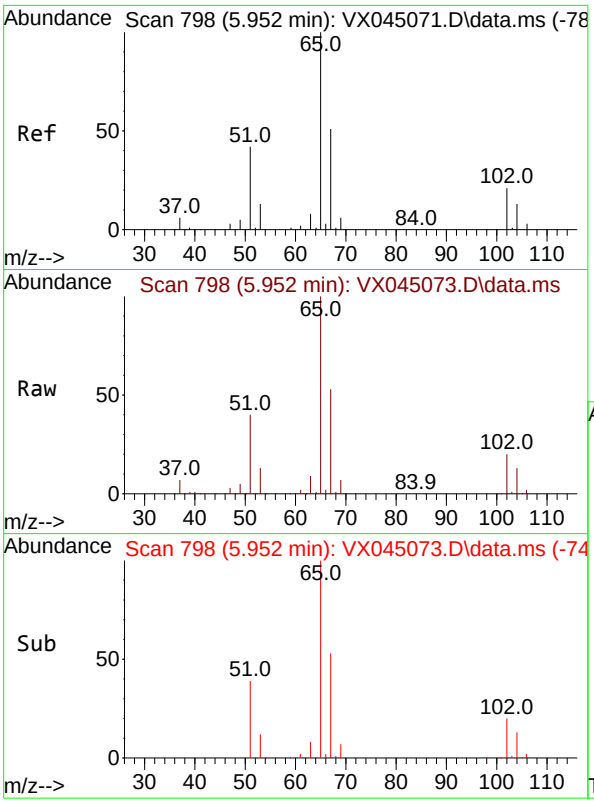


#32
1,1,1-Trichloroethane
Concen: 151.120 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

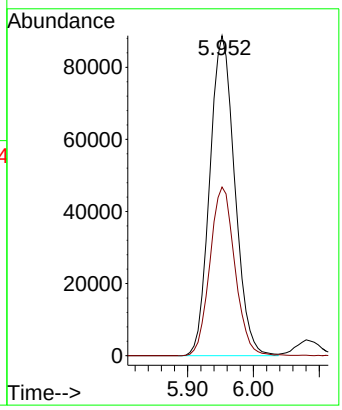




#33
1,2-Dichloroethane-d4
Concen: 165.865 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 65 Resp: 23462

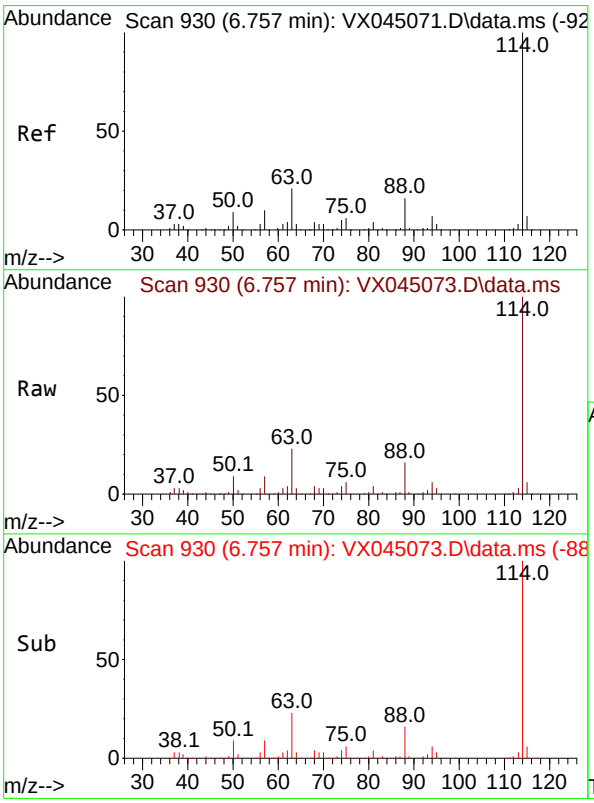
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

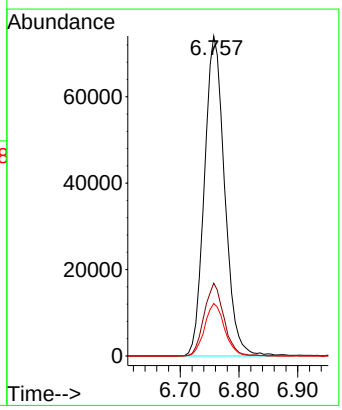
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

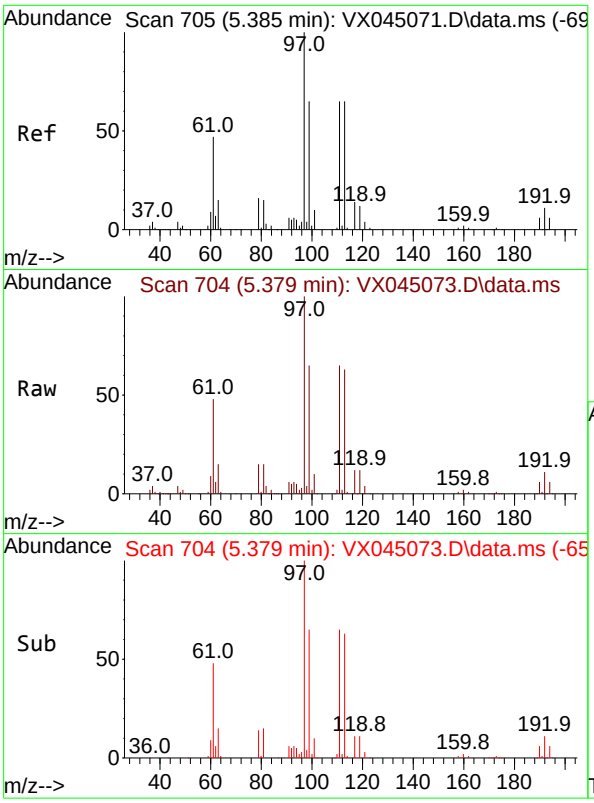


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

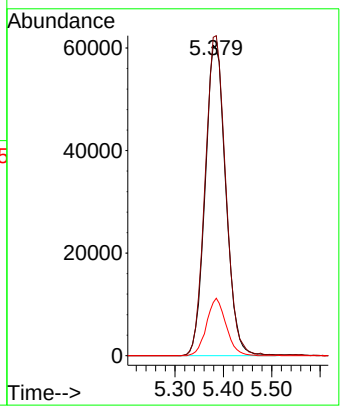




#35
Dibromofluoromethane
Concen: 155.359 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:113 Resp: 17972

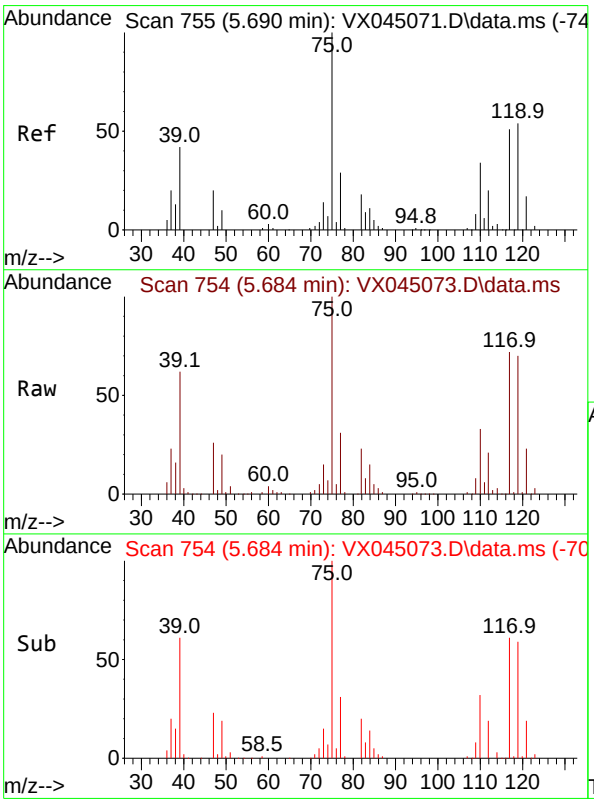
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.5	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

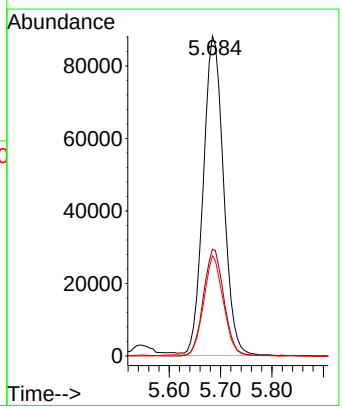
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

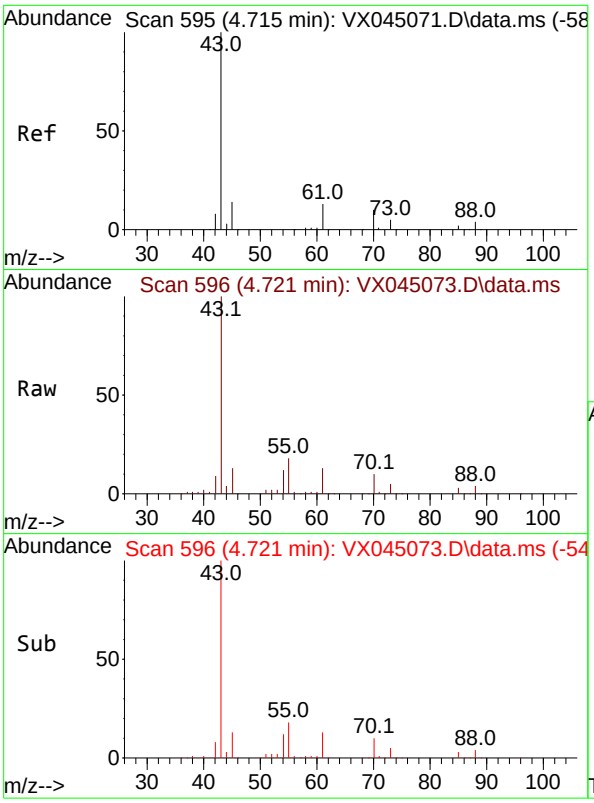


#36
1,1-Dichloropropene
Concen: 145.112 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

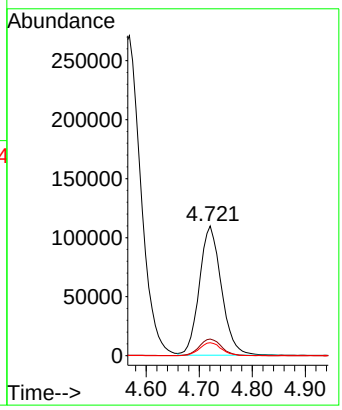




#37
Ethyl Acetate
Concen: 167.067 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 31625

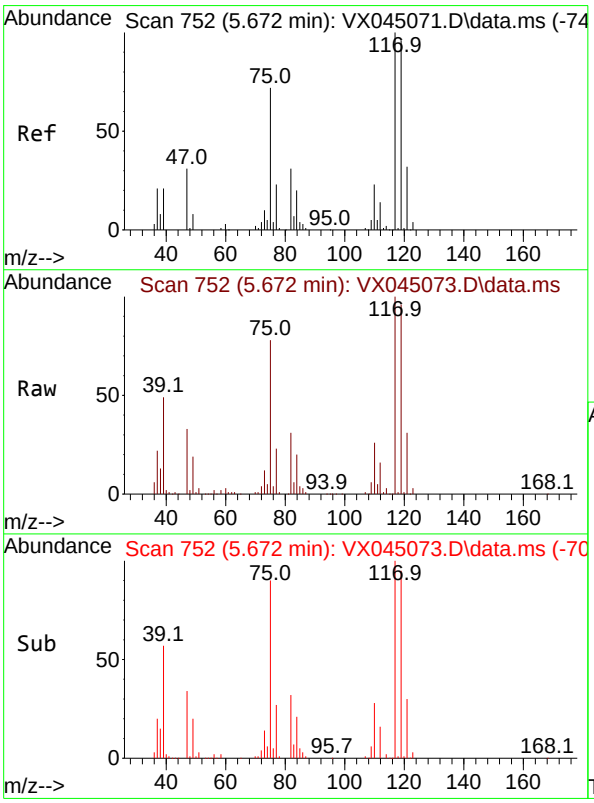
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

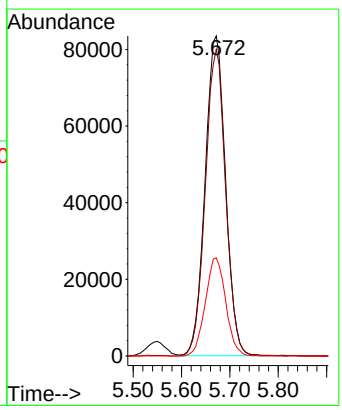
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

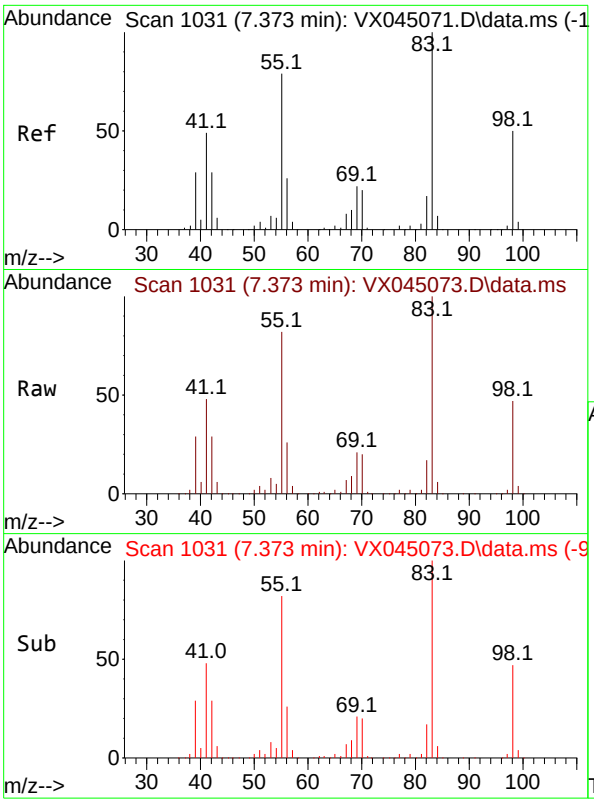


#38
Carbon Tetrachloride
Concen: 150.363 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

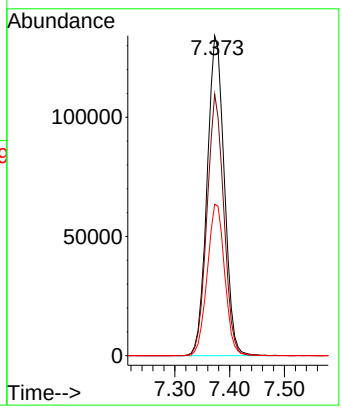
Tgt Ion: 83 Resp: 29221

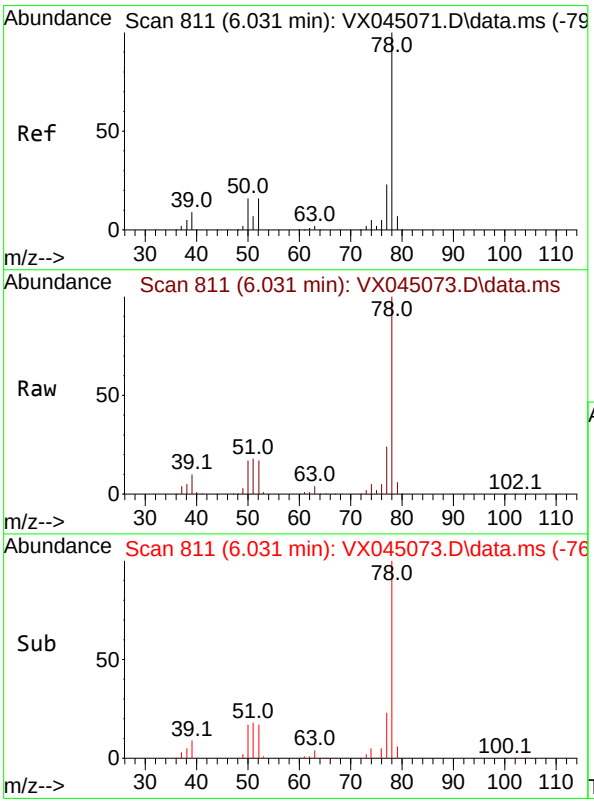
Ion	Ratio	Lower	Upper
83	100		
55	81.7	63.0	94.4
98	47.4	39.7	59.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

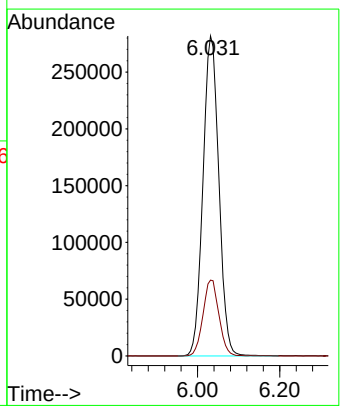


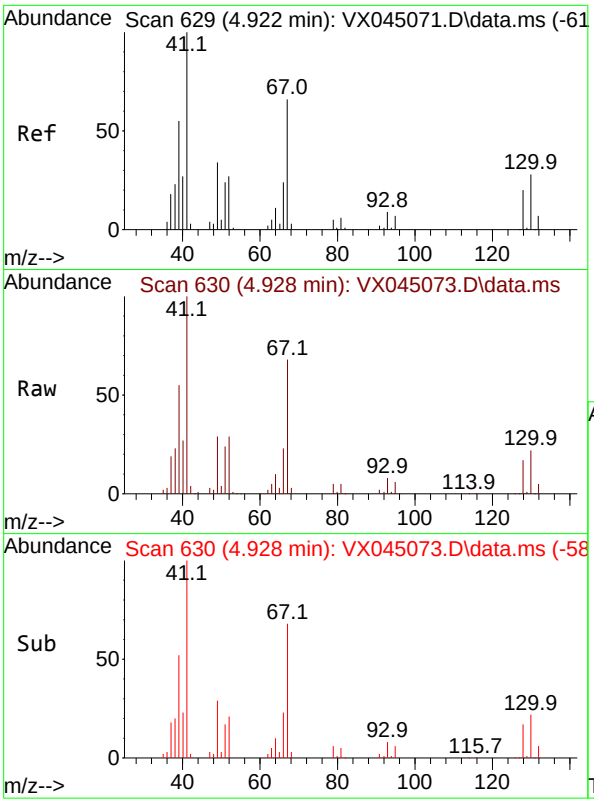


#40
Benzene
Concen: 145.368 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 78 Resp: 755854

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2

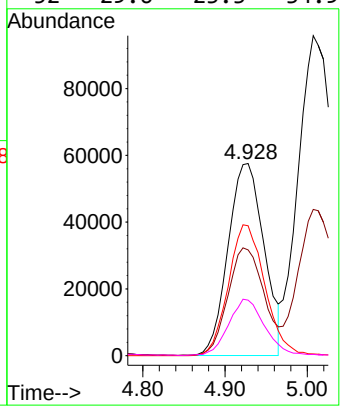




#41
Methacrylonitrile
Concen: 173.088 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 41 Resp: 17502

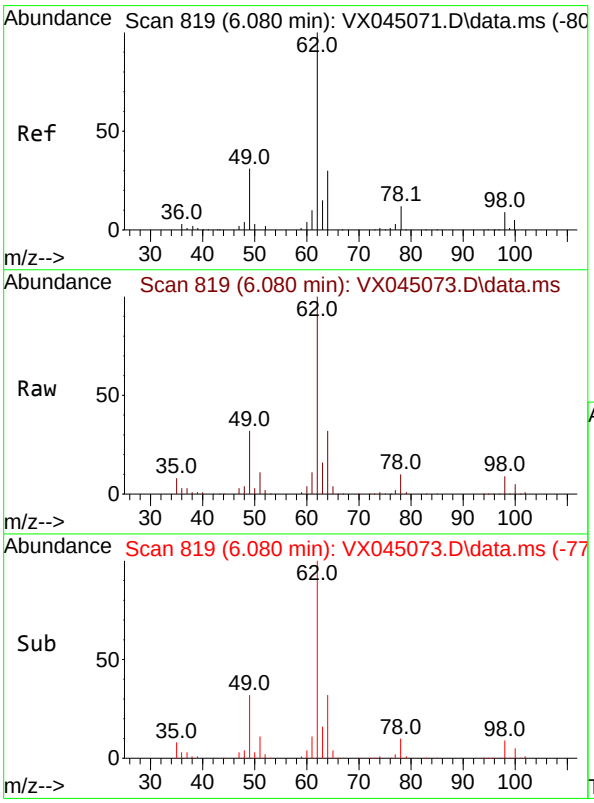
Ion	Ratio	Lower	Upper
41	100		
39	55.9	44.6	67.0
67	69.5	53.9	80.9
52	29.6	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

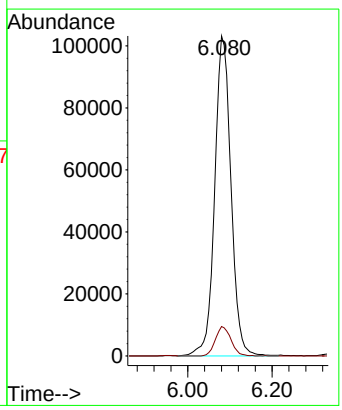
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

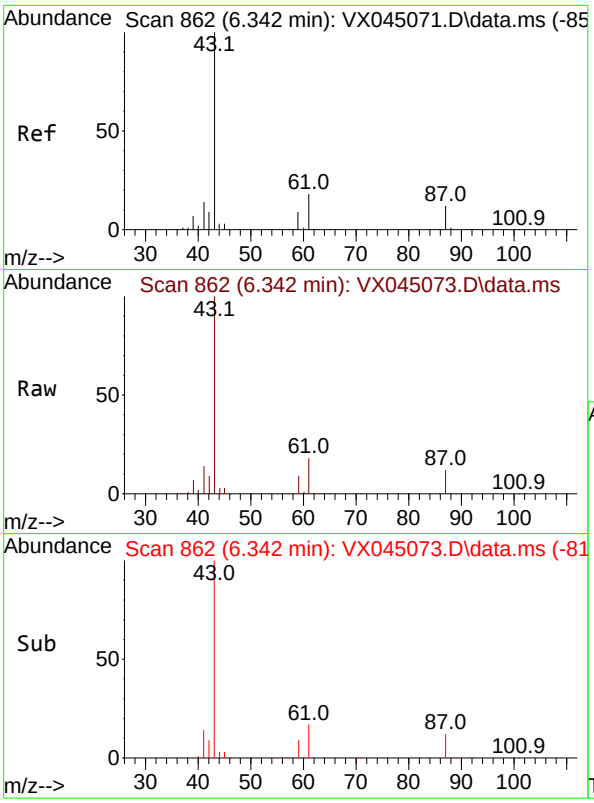


#42
1,2-Dichloroethane
Concen: 163.872 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 276129

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2

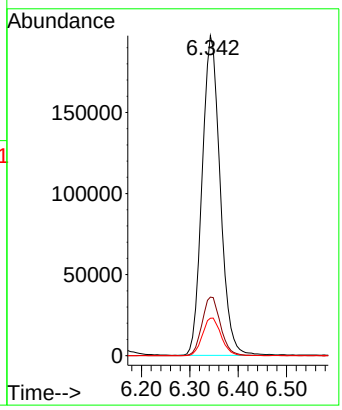




#43
Isopropyl Acetate
Concen: 169.804 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 51164

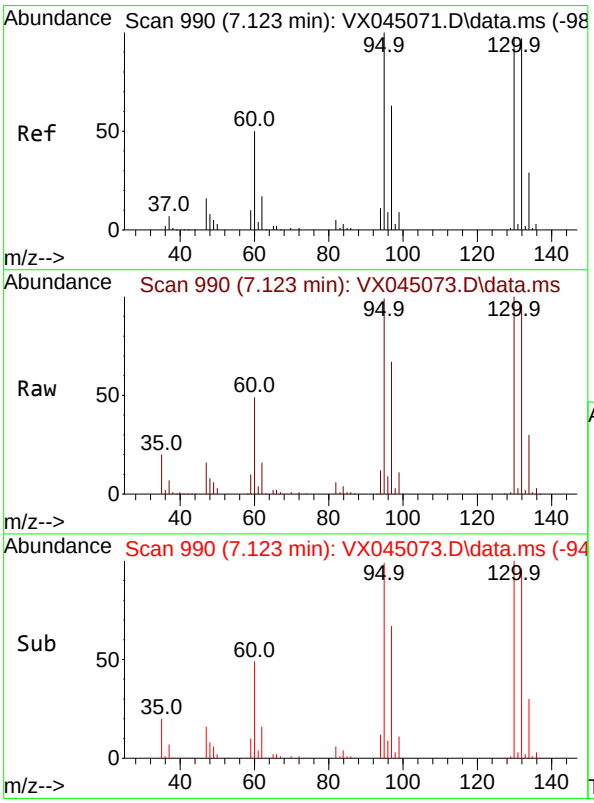
Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	12.1	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

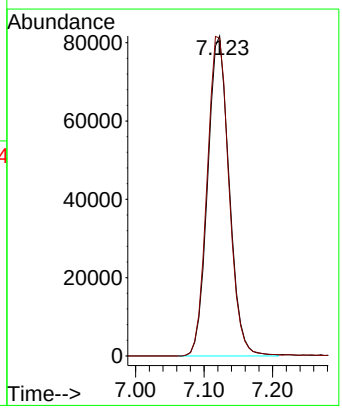
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

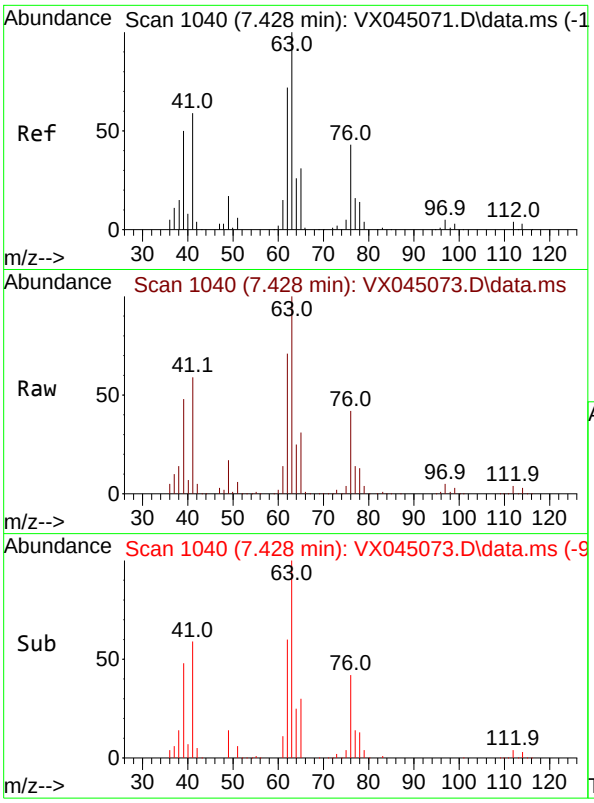


#44
Trichloroethene
Concen: 150.181 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

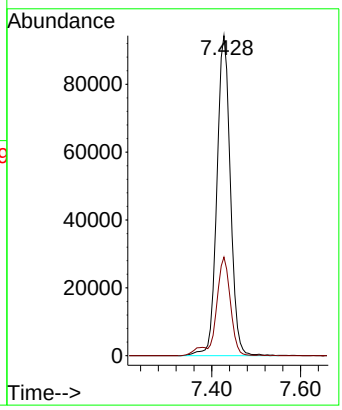
Tgt Ion: 63 Resp: 19813

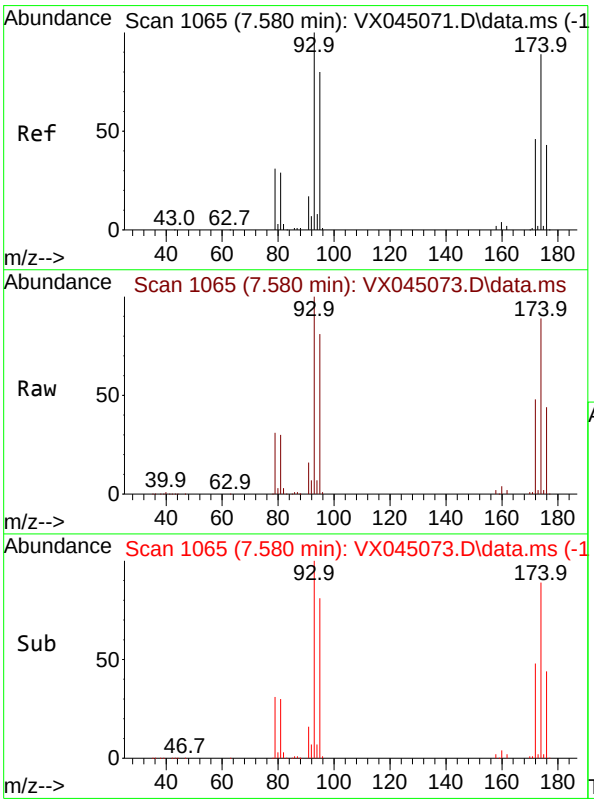
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

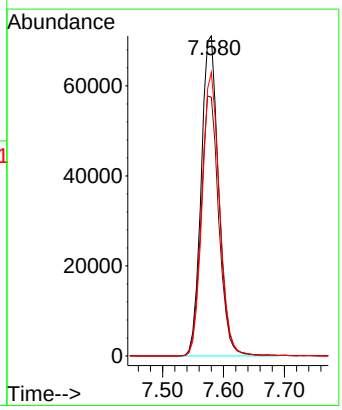


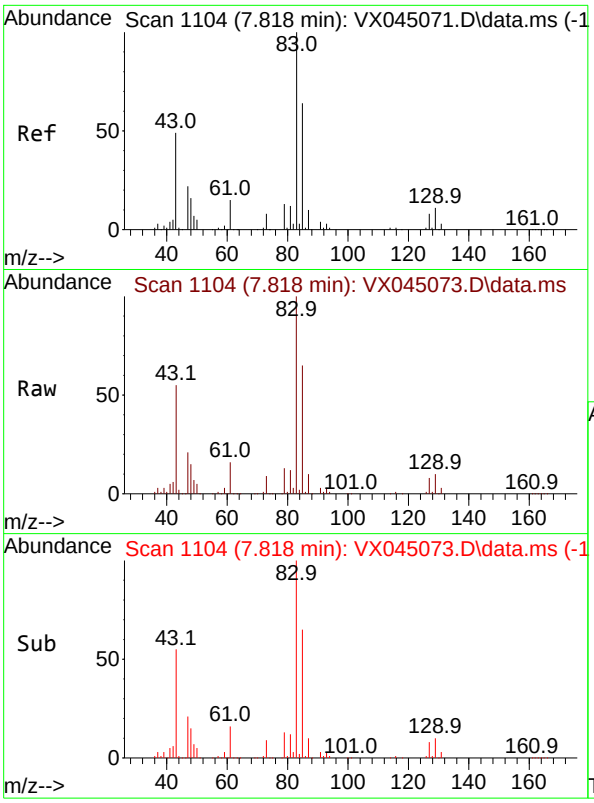


#46
Dibromomethane
Concen: 157.443 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

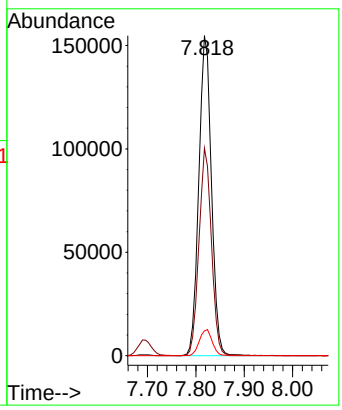




#47
Bromodichloromethane
Concen: 160.492 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 28025

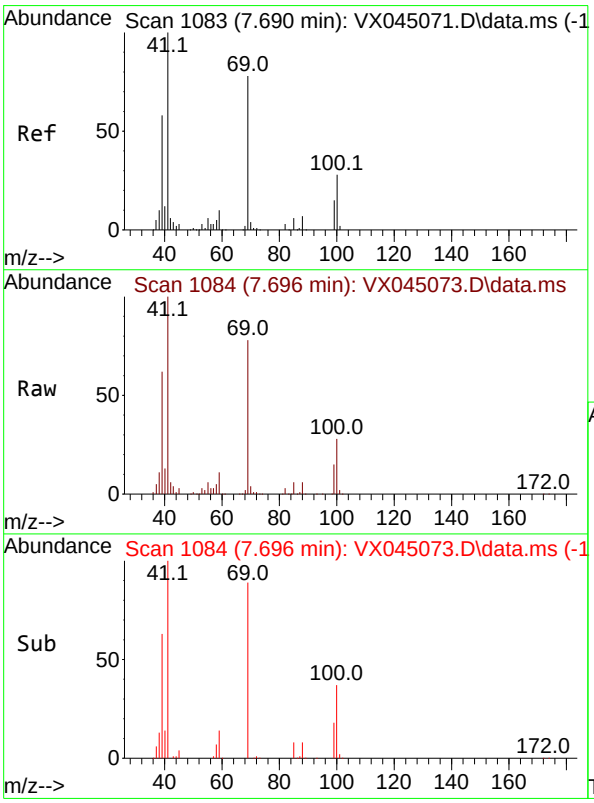
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.1	76.7
127	7.8	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

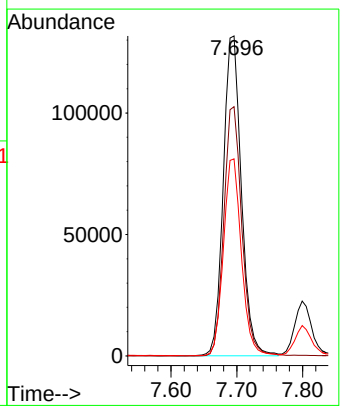
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

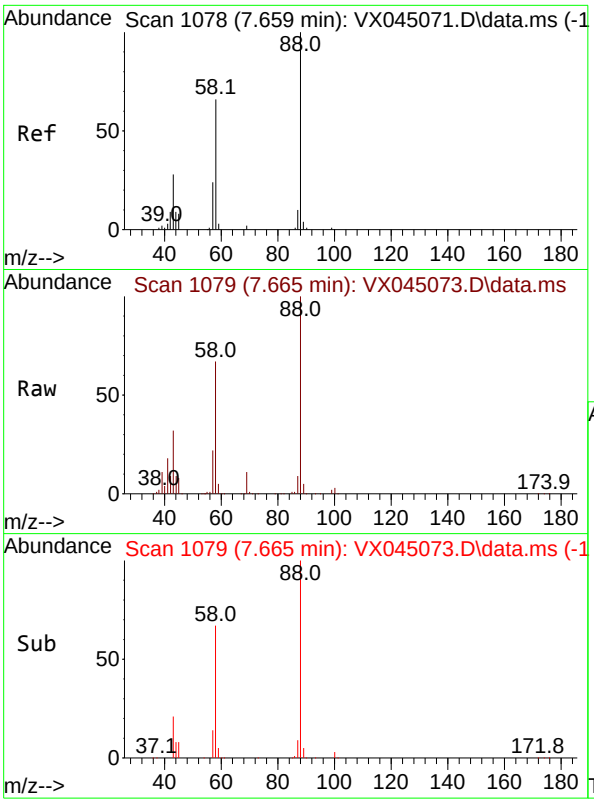


#48
Methyl methacrylate
Concen: 176.370 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

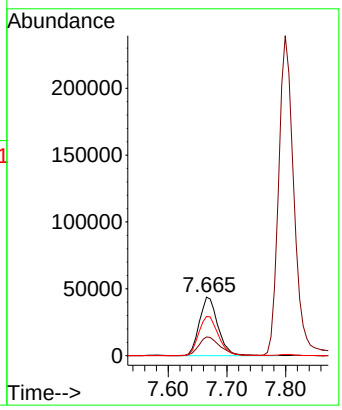




#49
1,4-Dioxane
Concen: 3166.423 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 88 Resp: 9626

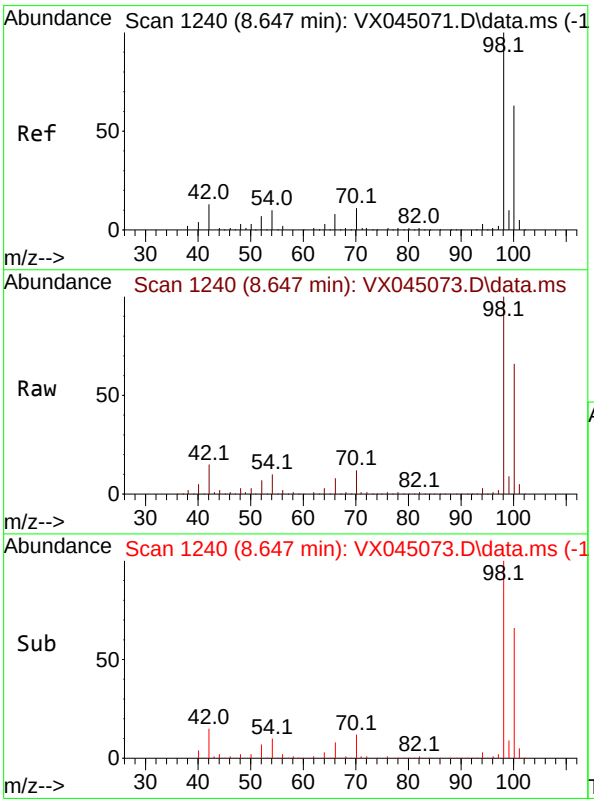
Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.7	43.1
58	70.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

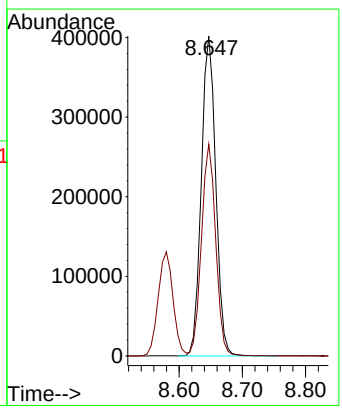
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

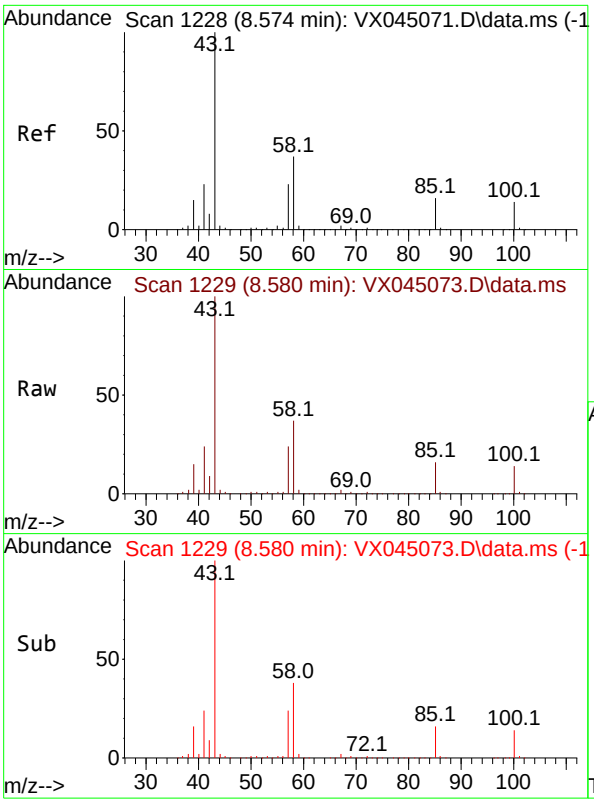


#50
Toluene-d8
Concen: 147.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 98 Resp: 638979

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0

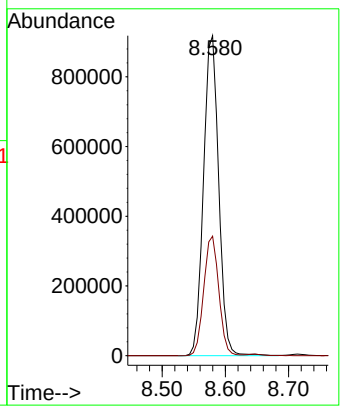




#51
4-Methyl-2-Pentanone
Concen: 832.051 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 153615

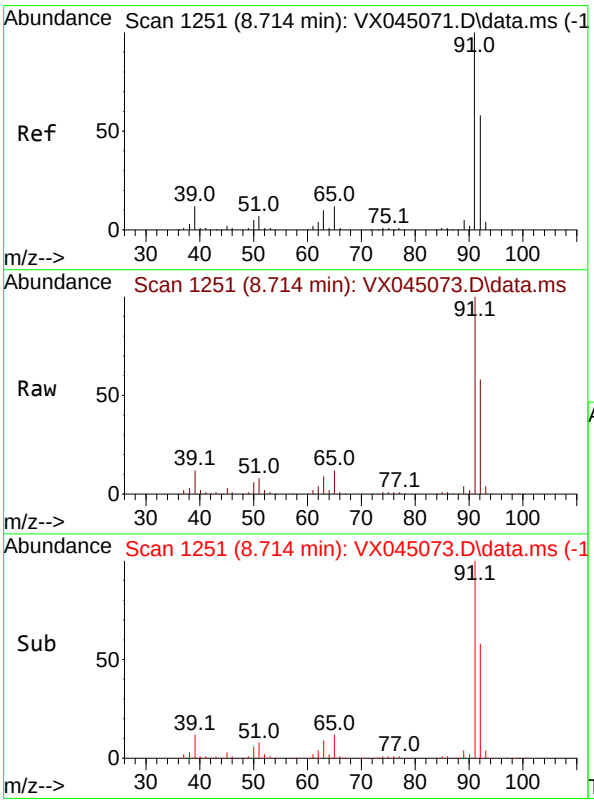
Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

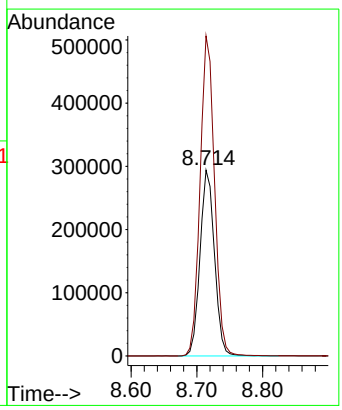
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

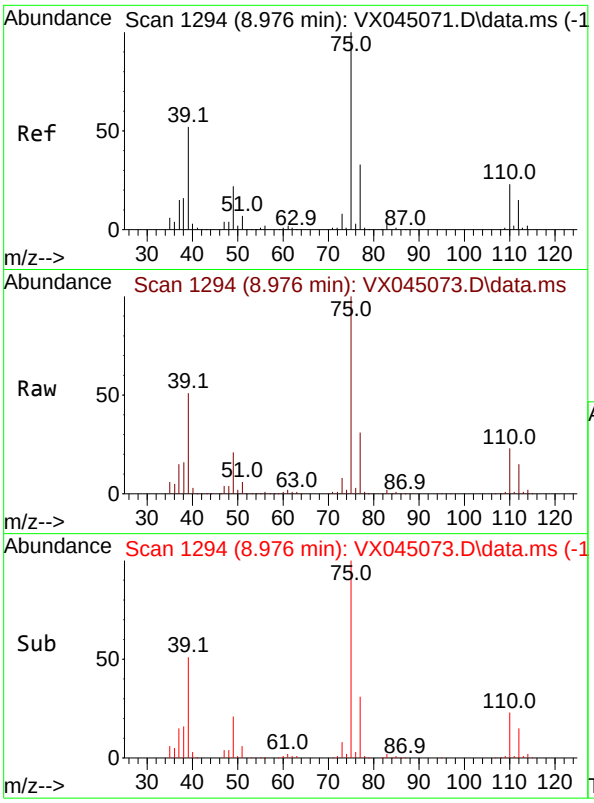


#52
Toluene
Concen: 145.321 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 92 Resp: 448664

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.9	208.3

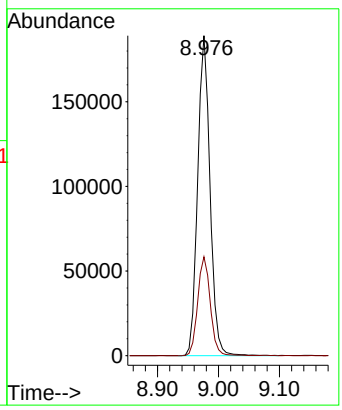




#53
t-1,3-Dichloropropene
Concen: 154.373 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 26644

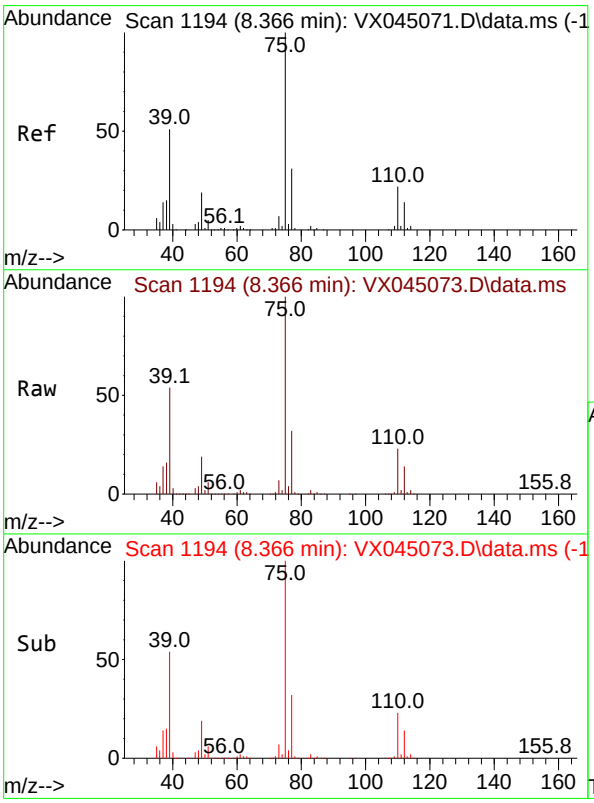
Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

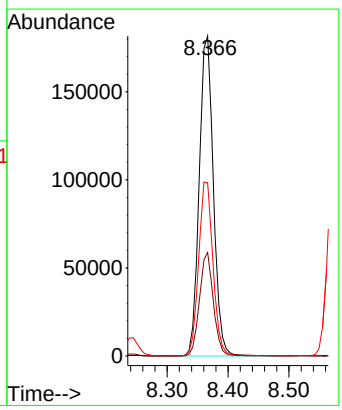
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

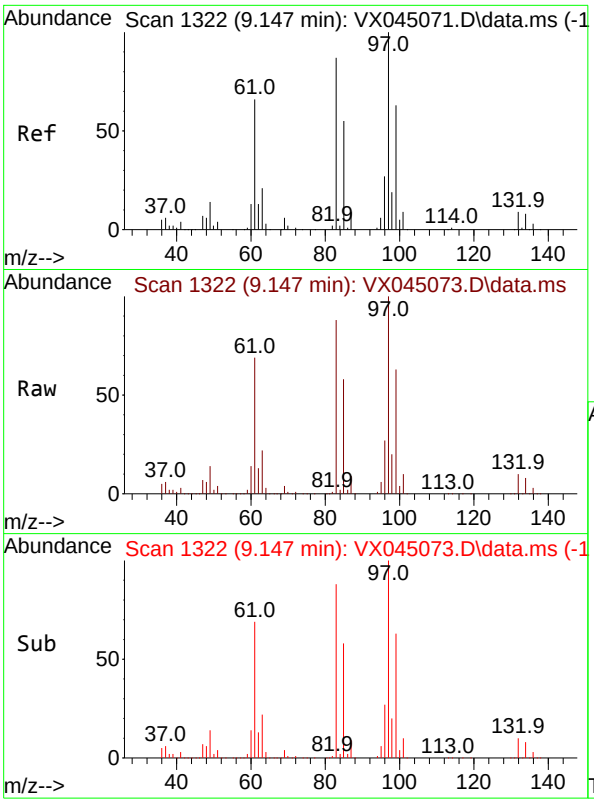


#54
cis-1,3-Dichloropropene
Concen: 152.117 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

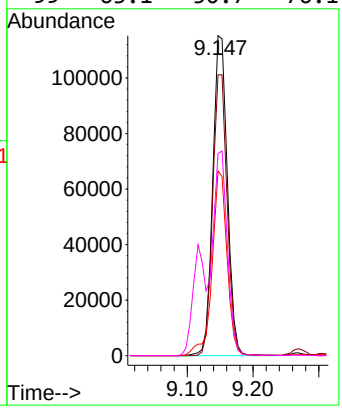




#55
1,1,2-Trichloroethane
Concen: 149.046 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 97 Resp: 17821

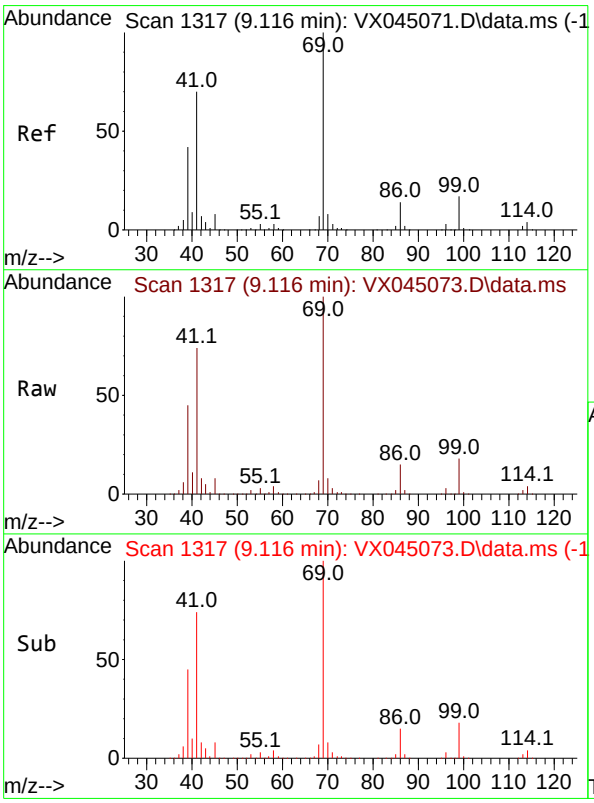
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	57.8	44.1	66.1
99	63.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

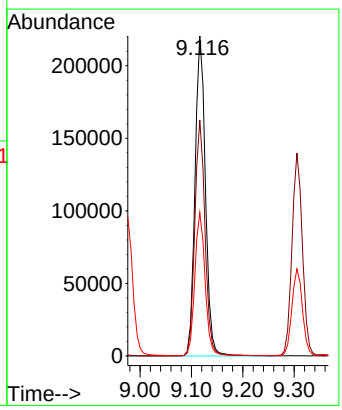
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

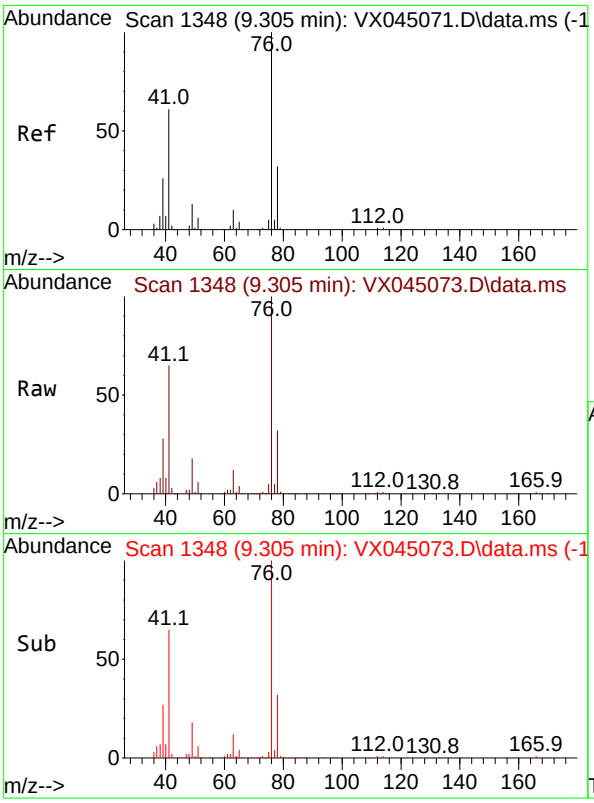


#56
Ethyl methacrylate
Concen: 162.631 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

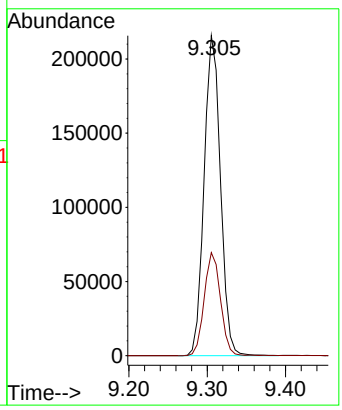




#57
1,3-Dichloropropane
Concen: 149.699 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 76 Resp: 31219

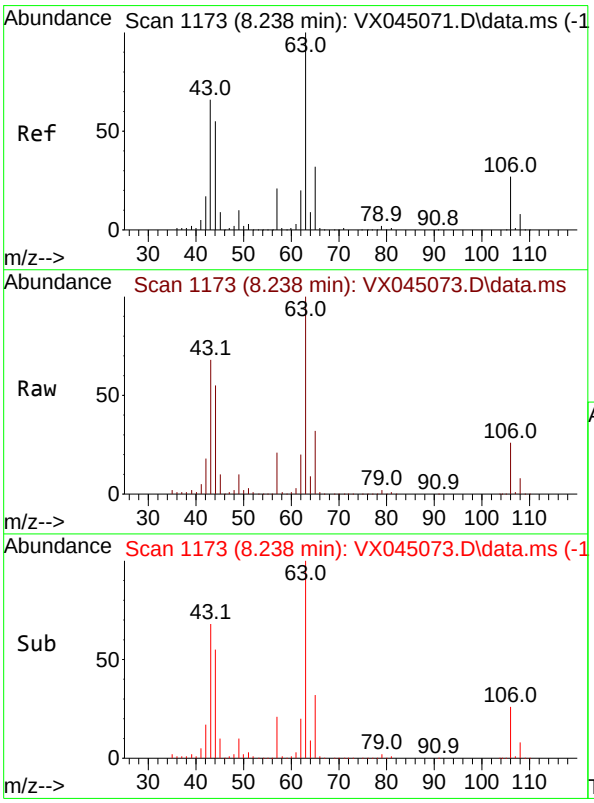
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

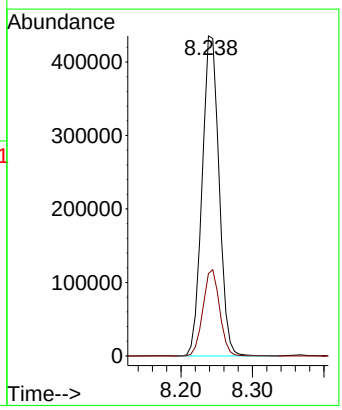
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

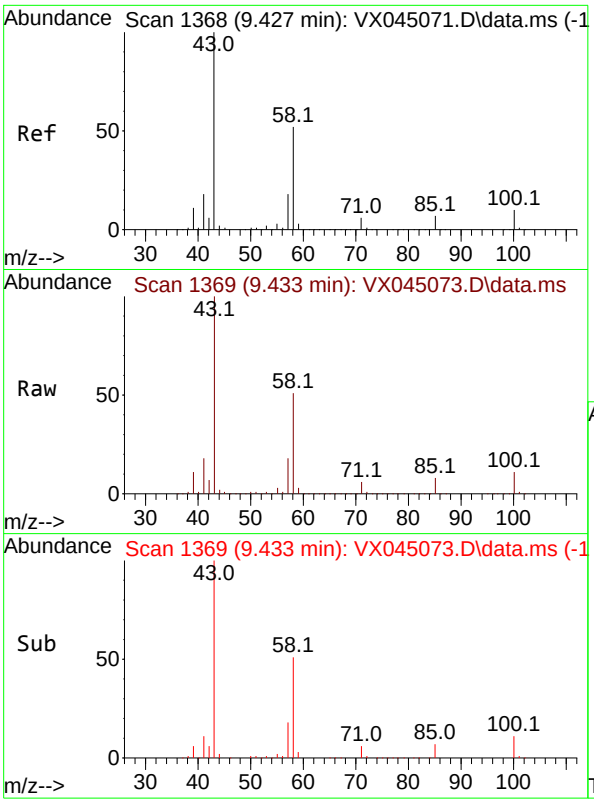


#58
2-Chloroethyl Vinyl ether
Concen: 764.019 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

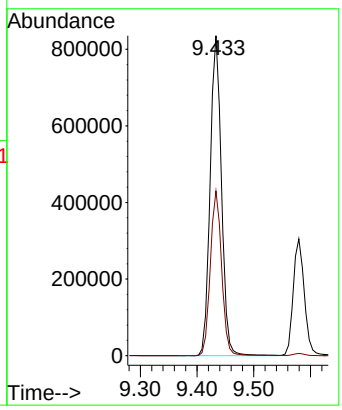
Tgt Ion: 43 Resp: 115665

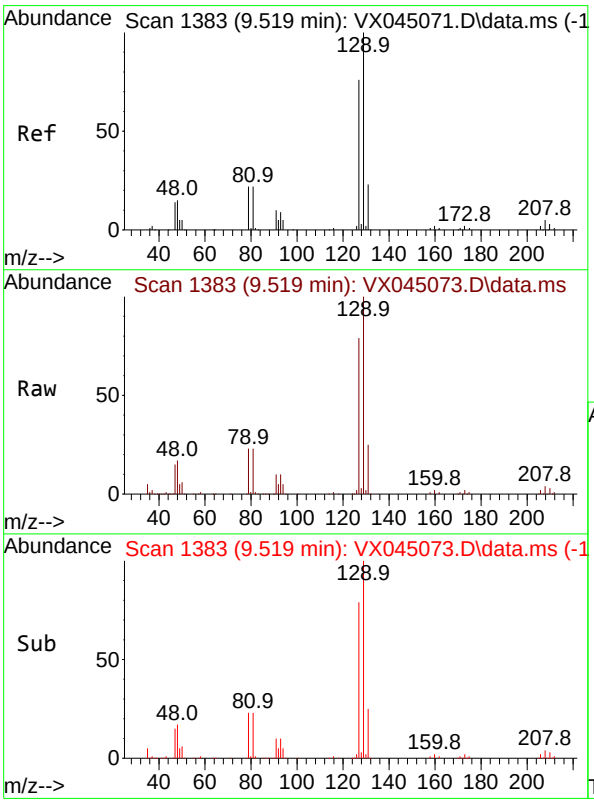
Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

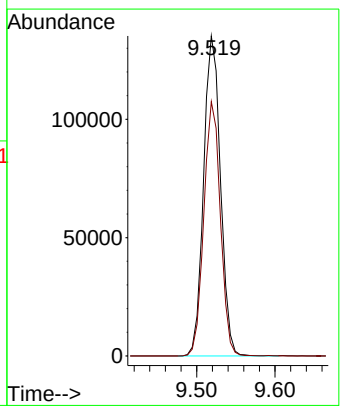


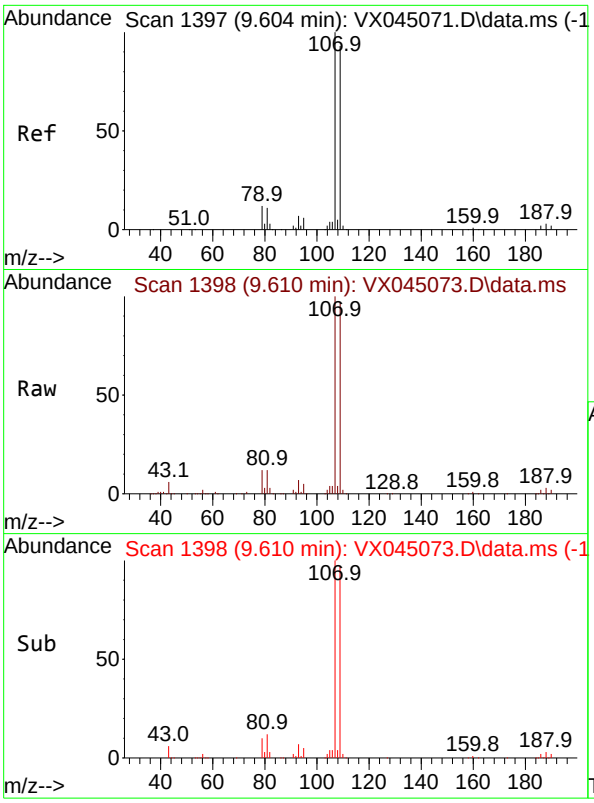


#60
Dibromochloromethane
Concen: 158.276 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

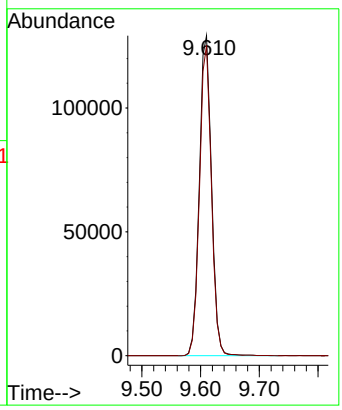
Tgt Ion:107 Resp: 18582

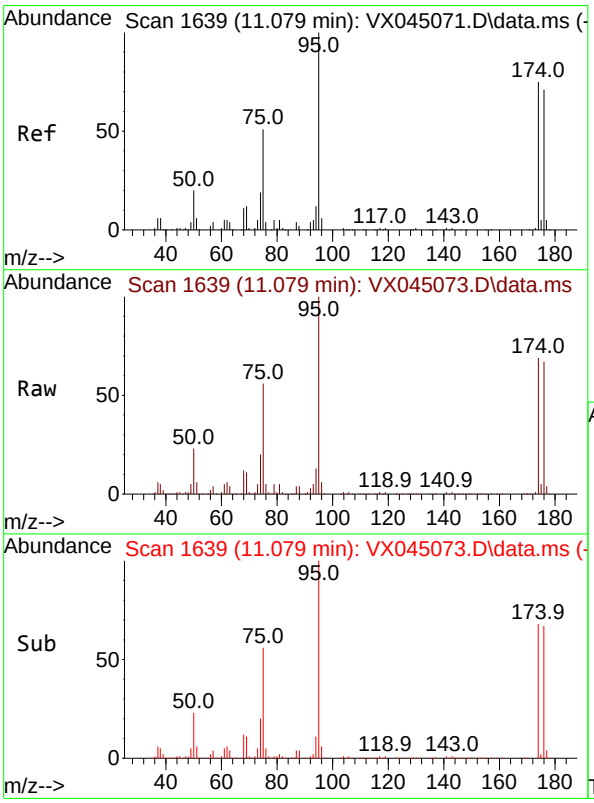
Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.1	114.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

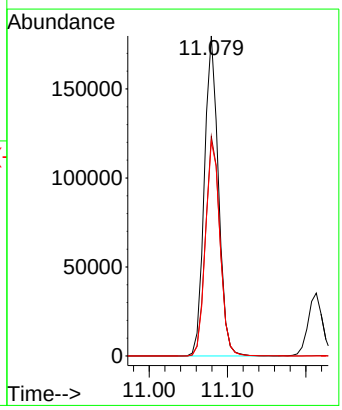


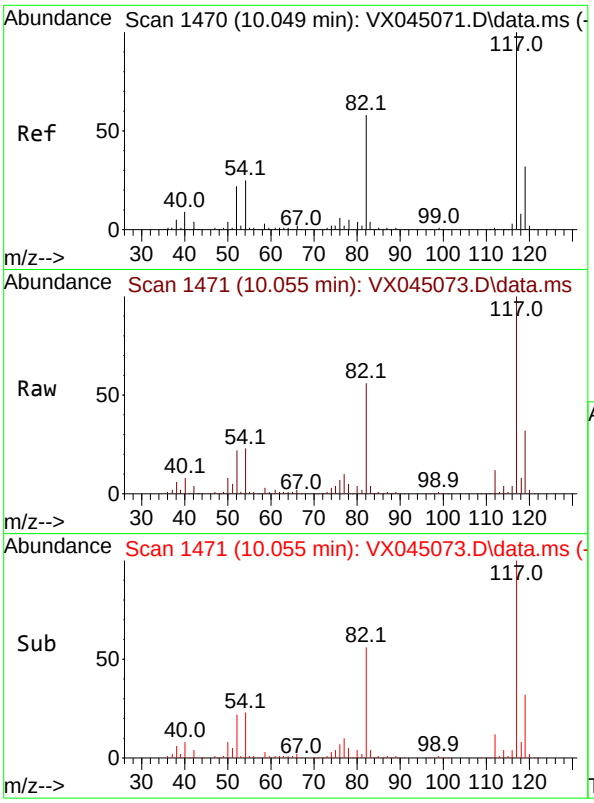


#62
4-Bromofluorobenzene
Concen: 154.420 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

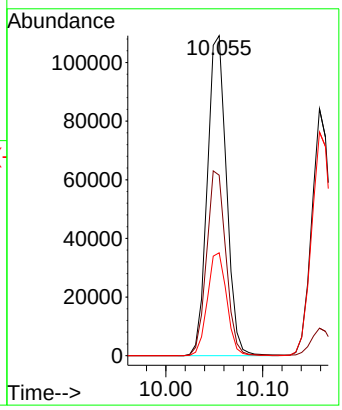




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 15054

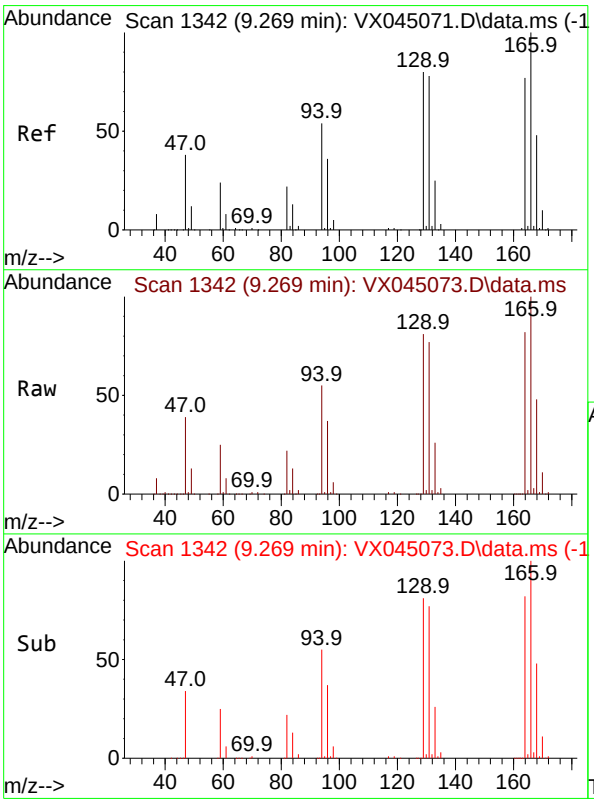
Ion	Ratio	Lower	Upper
117	100		
82	56.4	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

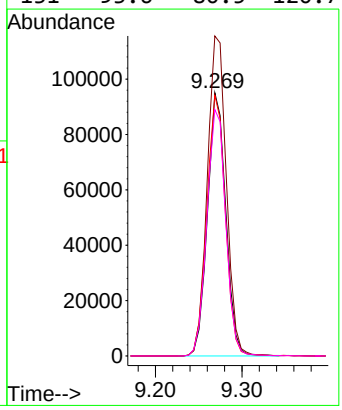
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

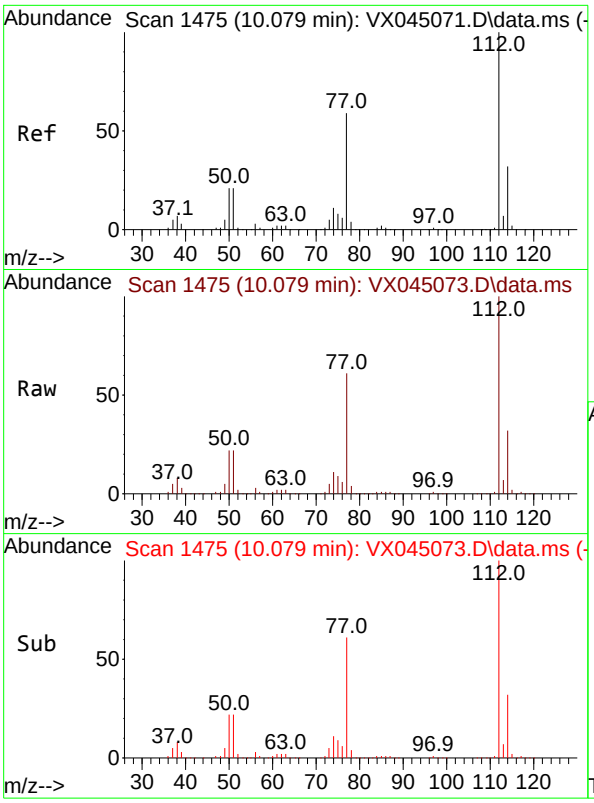


#64
Tetrachloroethene
Concen: 145.906 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

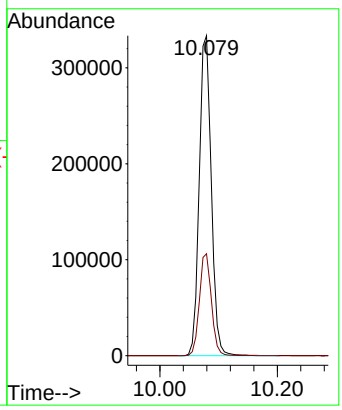




#65
Chlorobenzene
Concen: 146.096 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:112 Resp: 47211

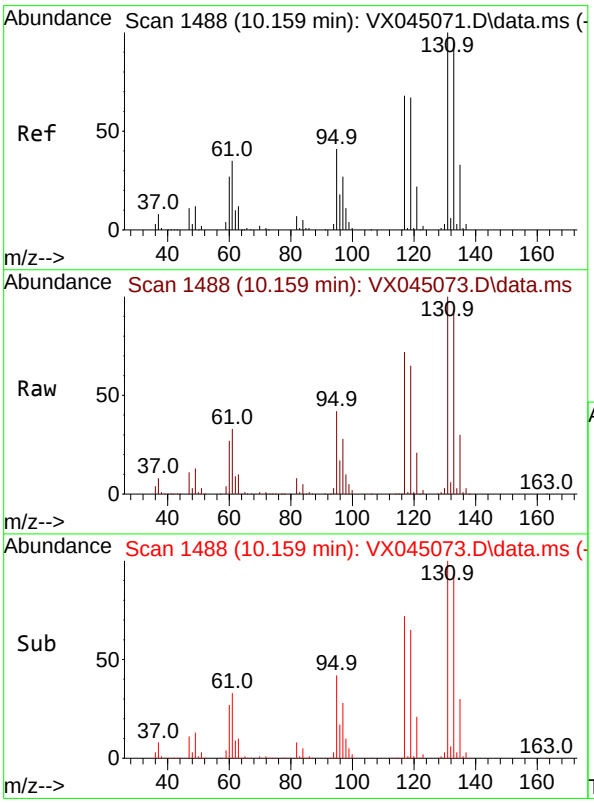
Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

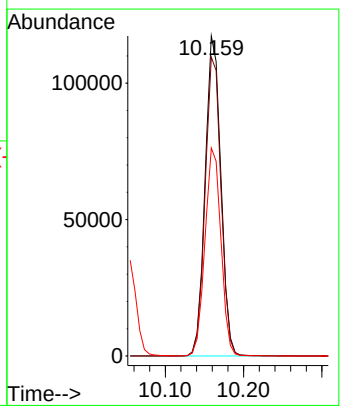
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

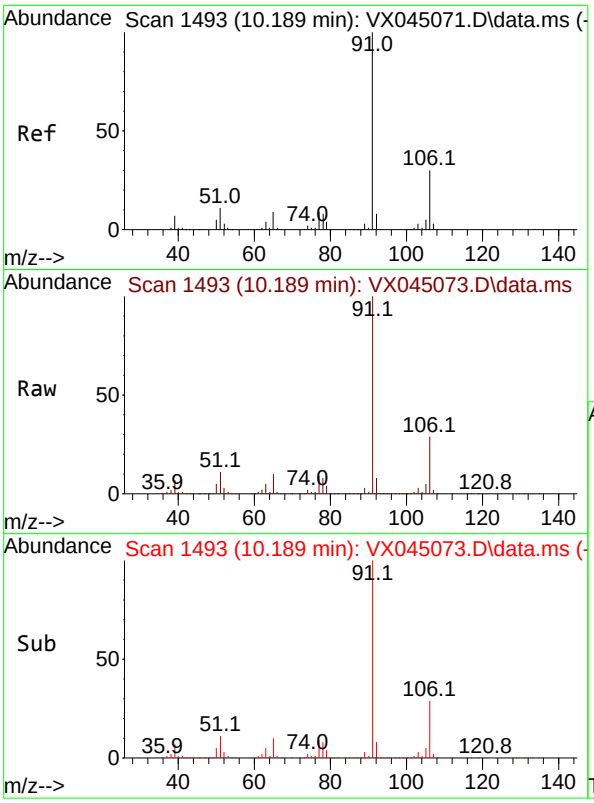


#66
1,1,1,2-Tetrachloroethane
Concen: 156.845 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

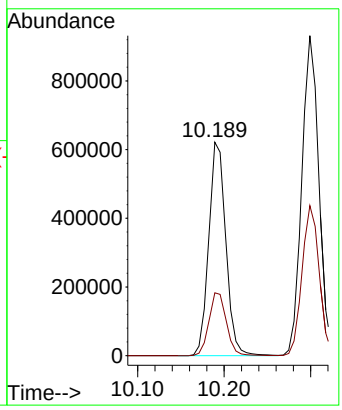
Tgt Ion: 91 Resp: 85257

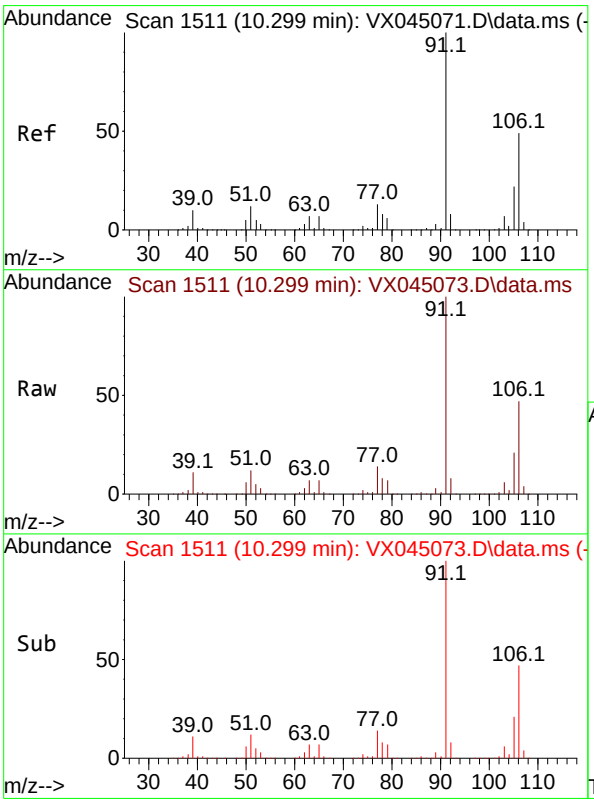
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

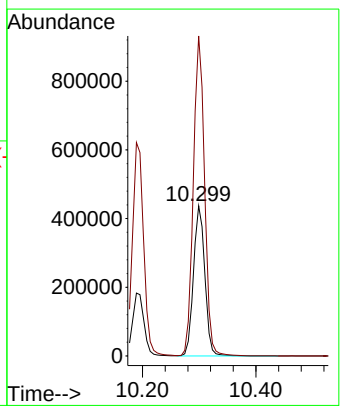


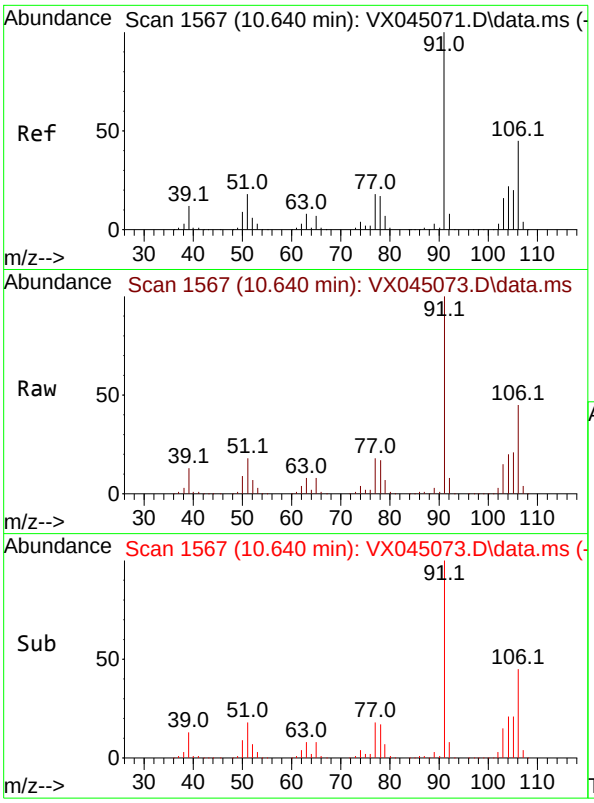


#68
m/p-Xylenes
Concen: 288.655 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 607523

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0

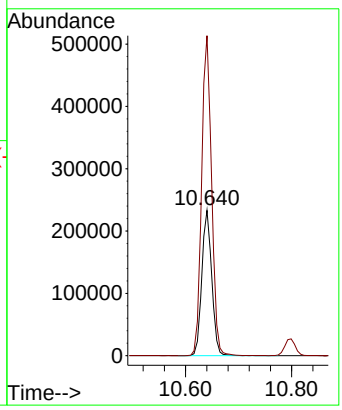




#69
o-Xylene
Concen: 143.259 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 30249

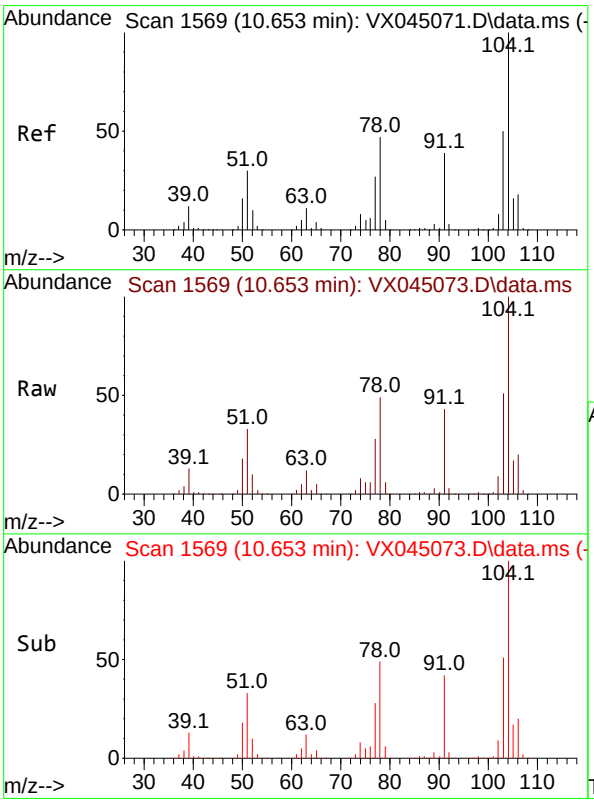
Ion	Ratio	Lower	Upper
106	100		
91	221.3	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

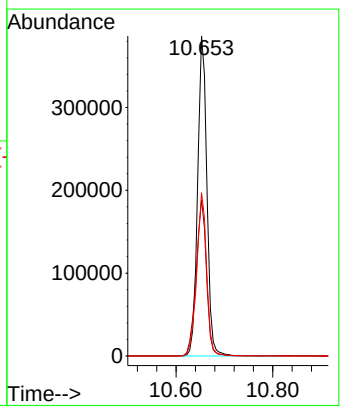
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

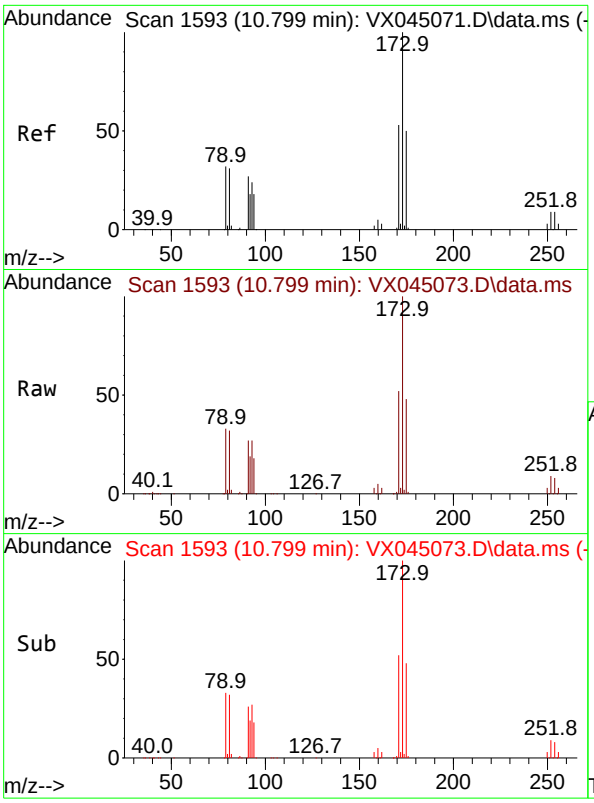


#70
Styrene
Concen: 150.979 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

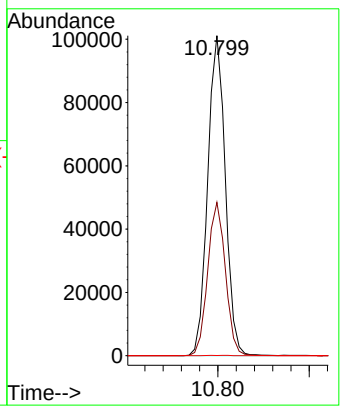




#71
Bromoform
Concen: 174.808 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:173 Resp: 13538

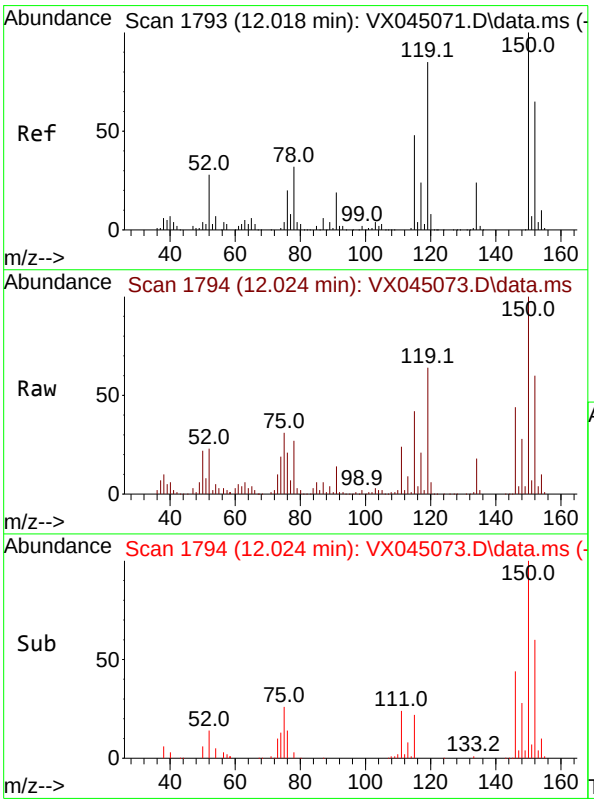
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.6
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

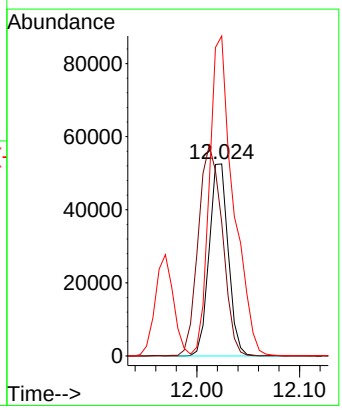
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

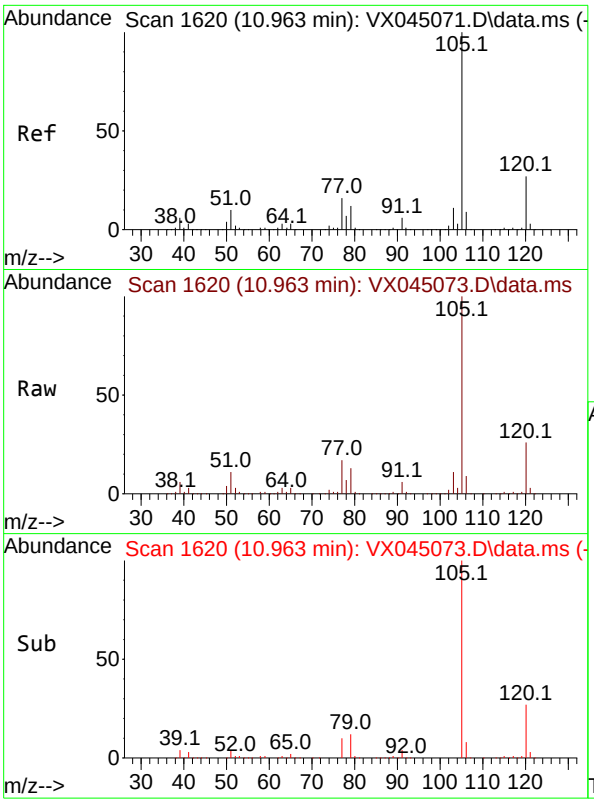


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

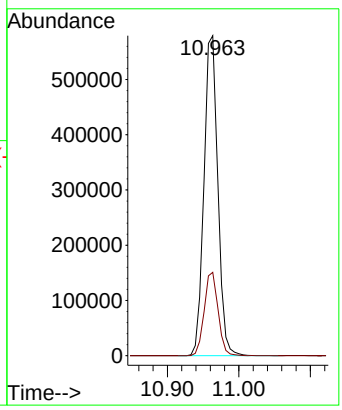




#73
Isopropylbenzene
Concen: 142.719 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 78070

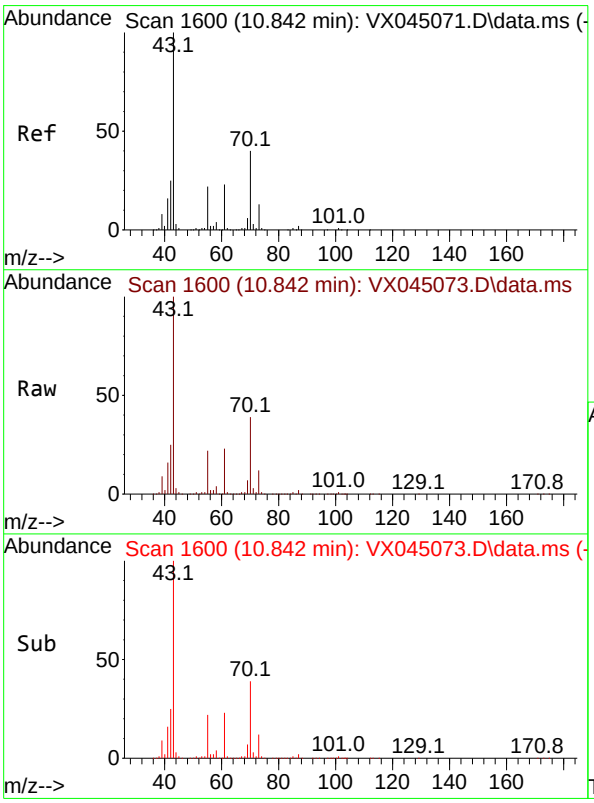
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

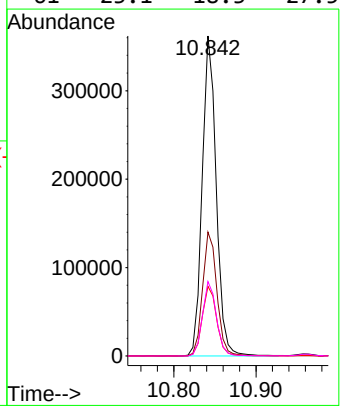
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

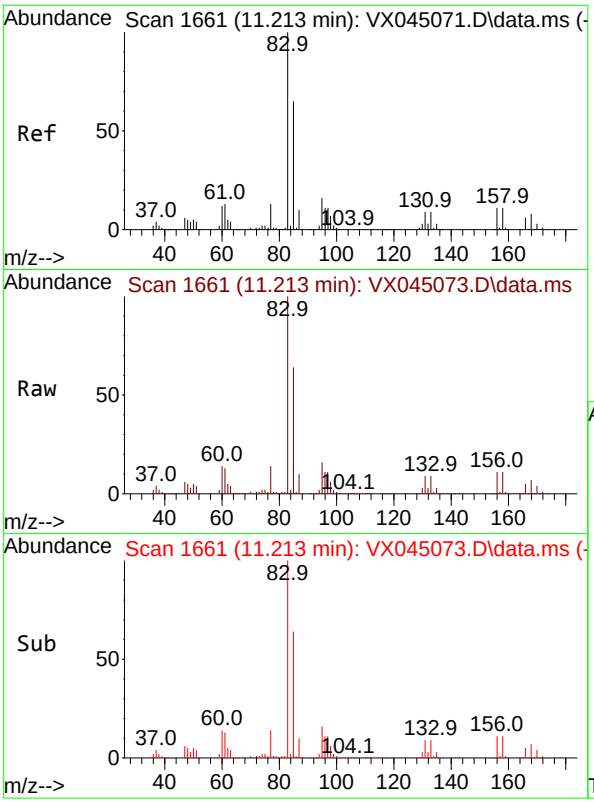


#74
N-amyl acetate
Concen: 173.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

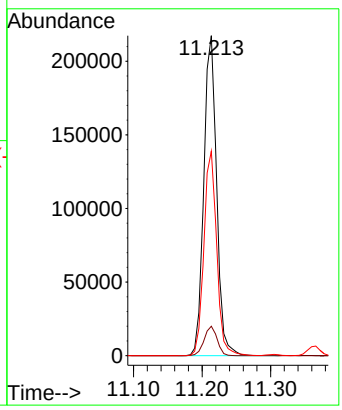
Tgt Ion: 83 Resp: 28355

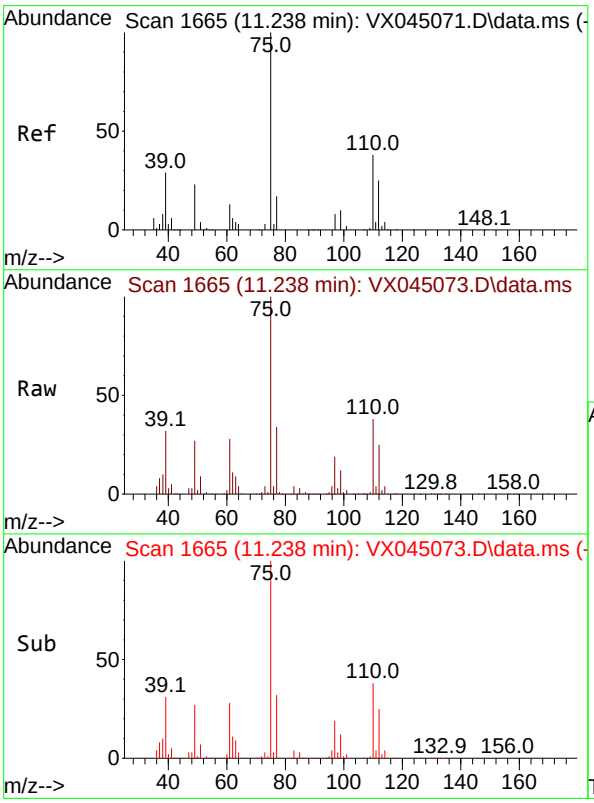
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	63.8	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

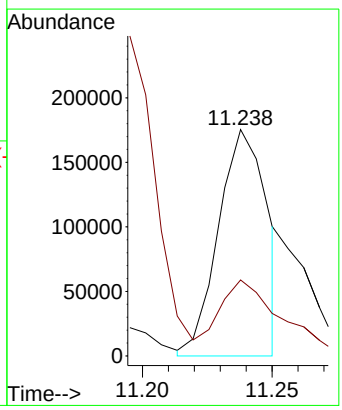


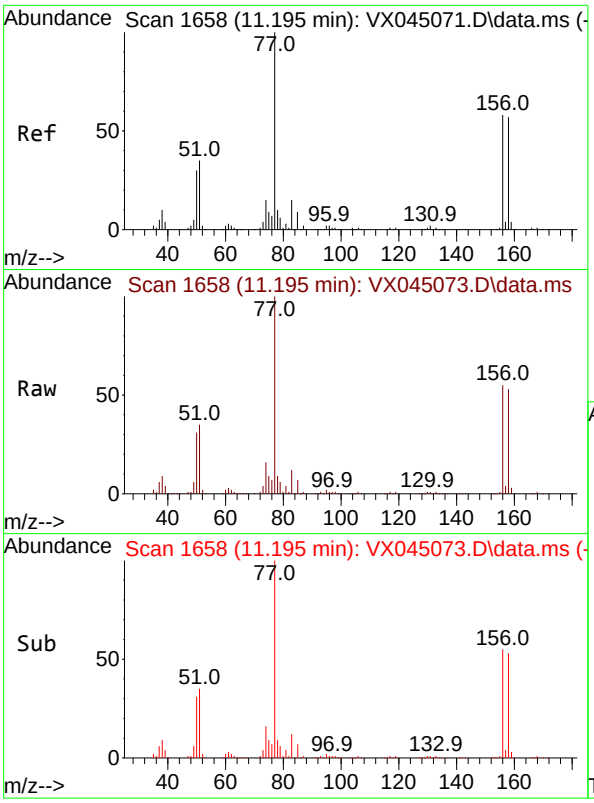


#76
1,2,3-Trichloropropane
Concen: 151.960 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

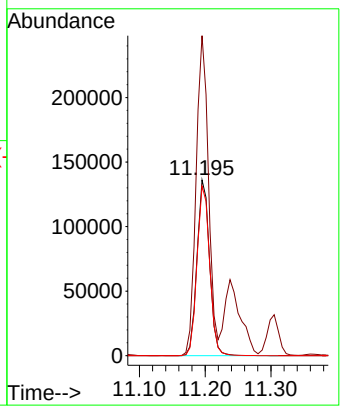
Tgt Ion:156 Resp: 18099

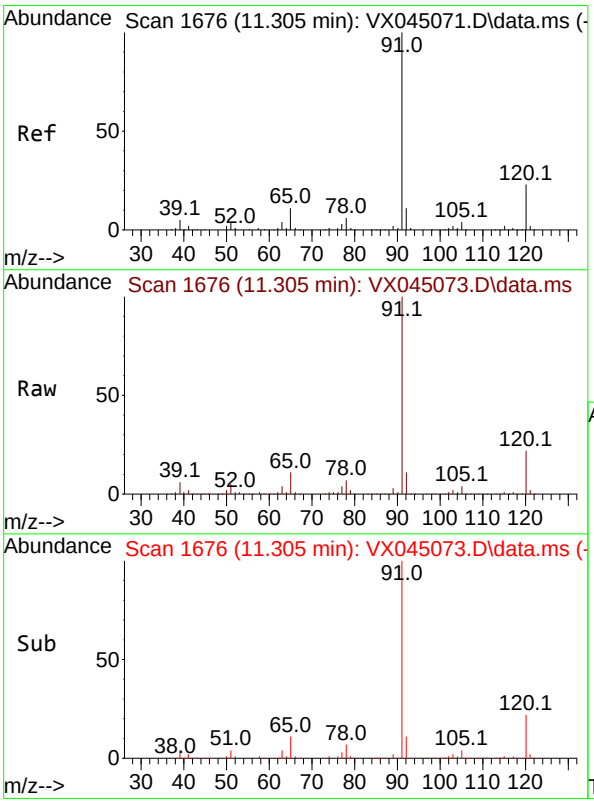
Ion	Ratio	Lower	Upper
156	100		
77	179.4	85.8	257.4
158	97.1	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

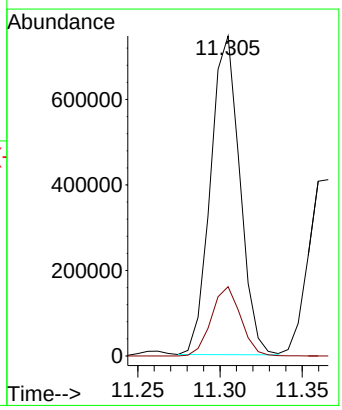


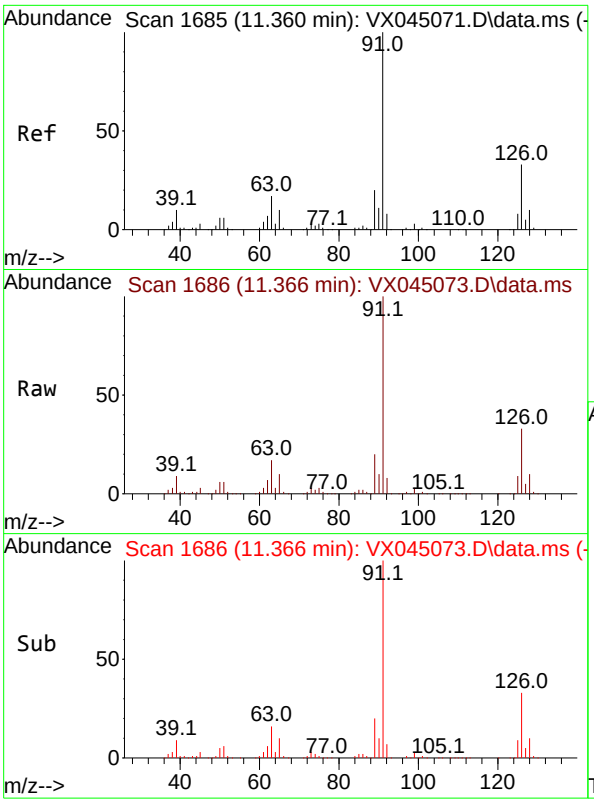


#78
n-propylbenzene
Concen: 146.395 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

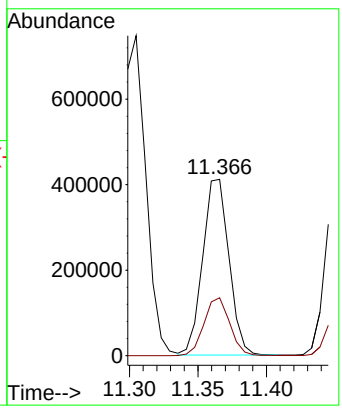
Tgt Ion: 91 Resp: 54869

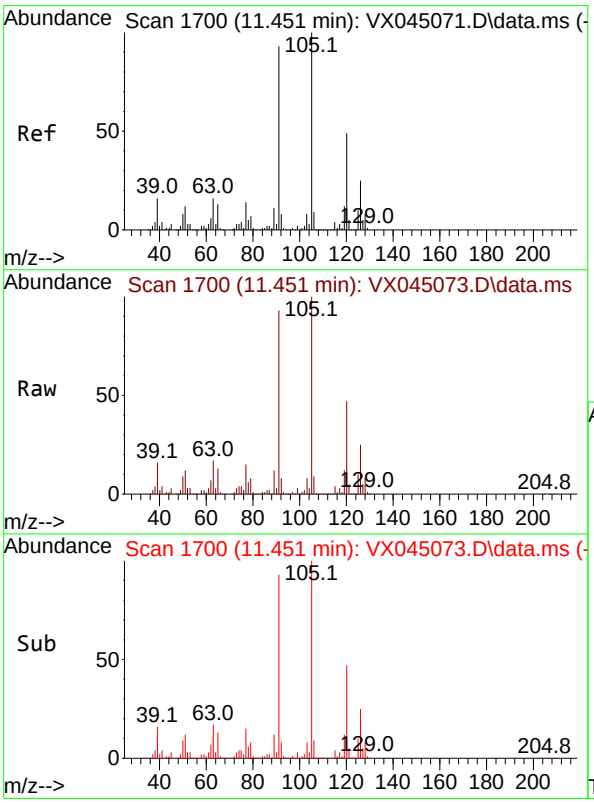
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

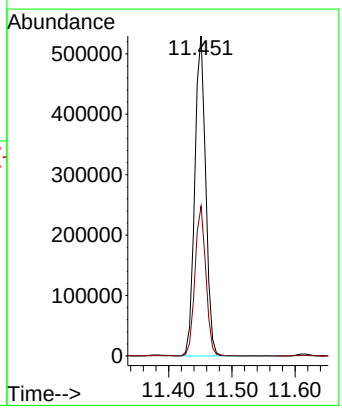


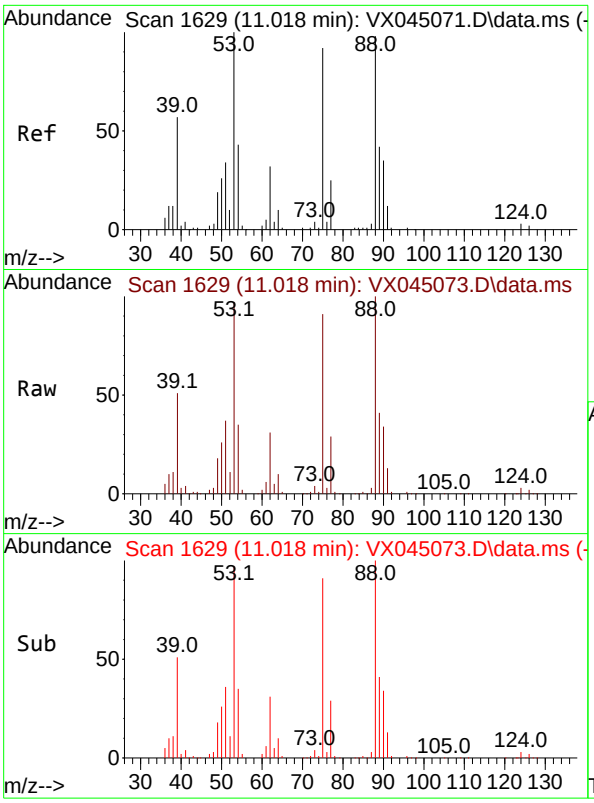


#80
1,3,5-Trimethylbenzene
Concen: 143.293 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

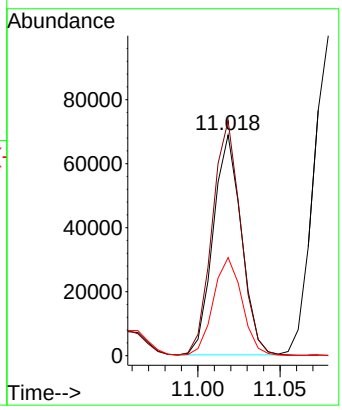
Tgt Ion: 75 Resp: 8226

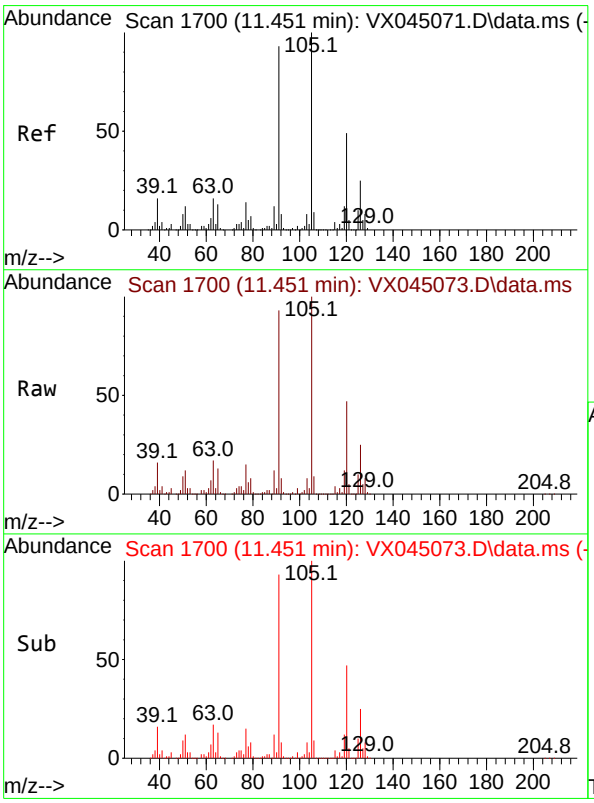
Ion	Ratio	Lower	Upper
75	100		
53	107.7	88.5	132.7
89	45.2	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

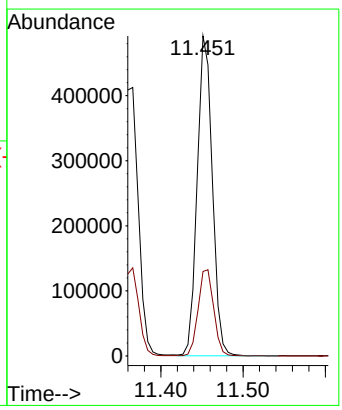


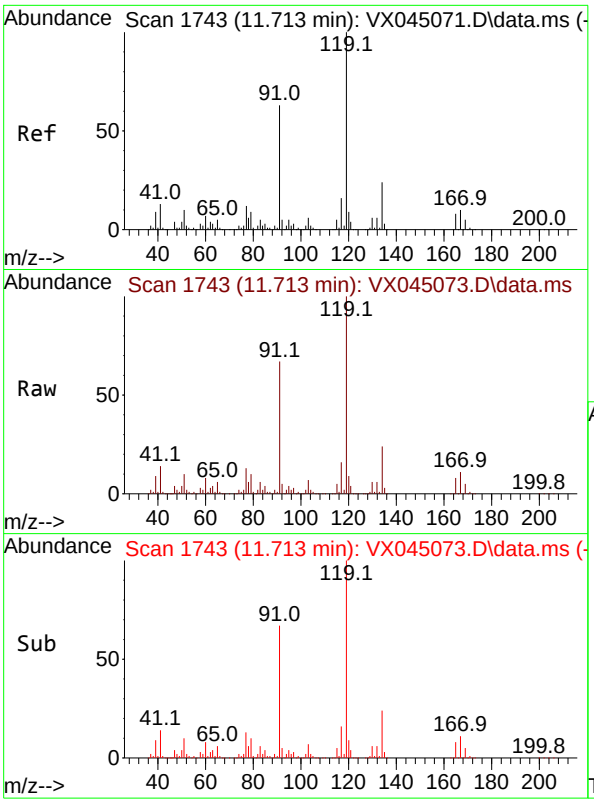


#82
4-Chlorotoluene
Concen: 146.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 627816

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4

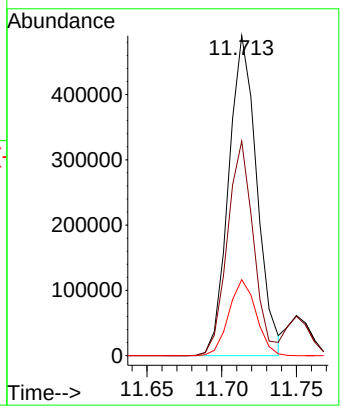




#83
tert-Butylbenzene
Concen: 142.974 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:119 Resp: 64171

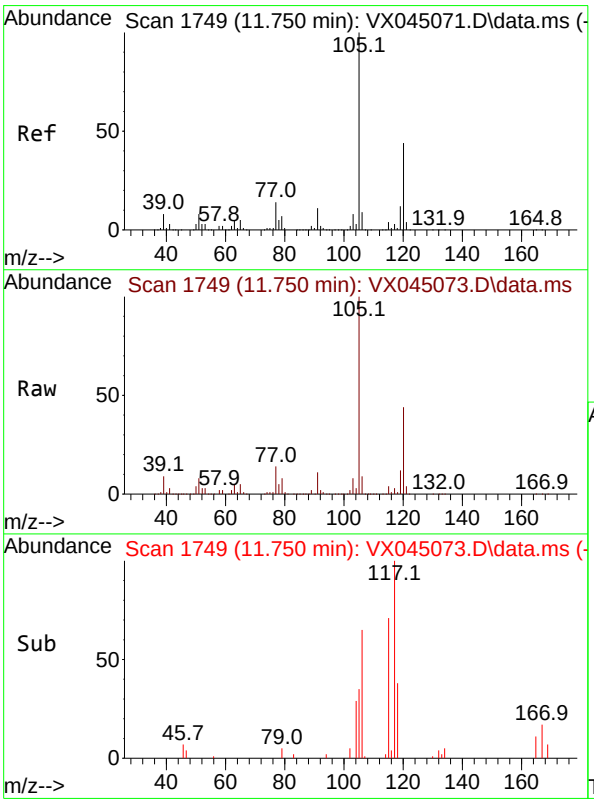
Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.7	92.1
134	23.0	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

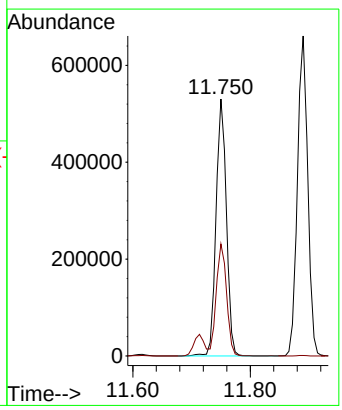
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

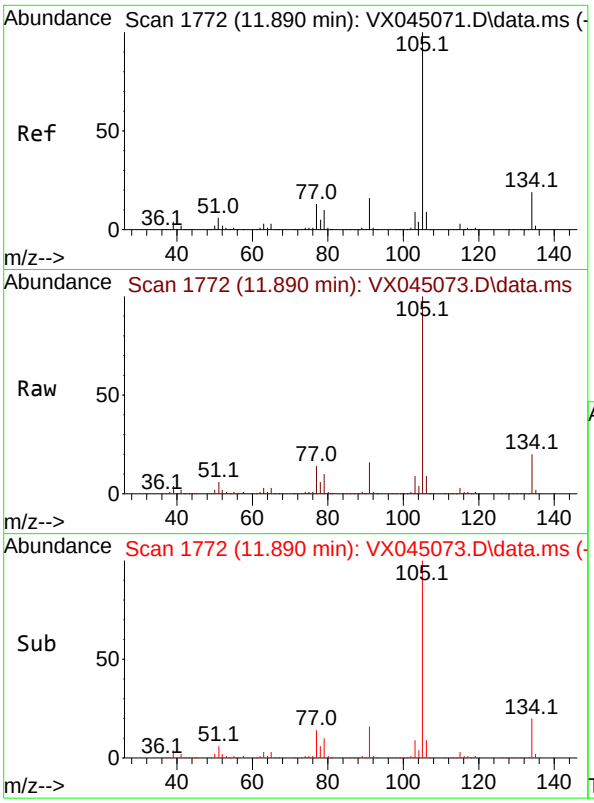


#84
1,2,4-Trimethylbenzene
Concen: 148.135 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 647248

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1

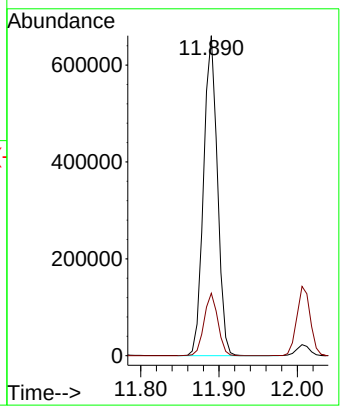




#85
sec-Butylbenzene
Concen: 145.383 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 80771

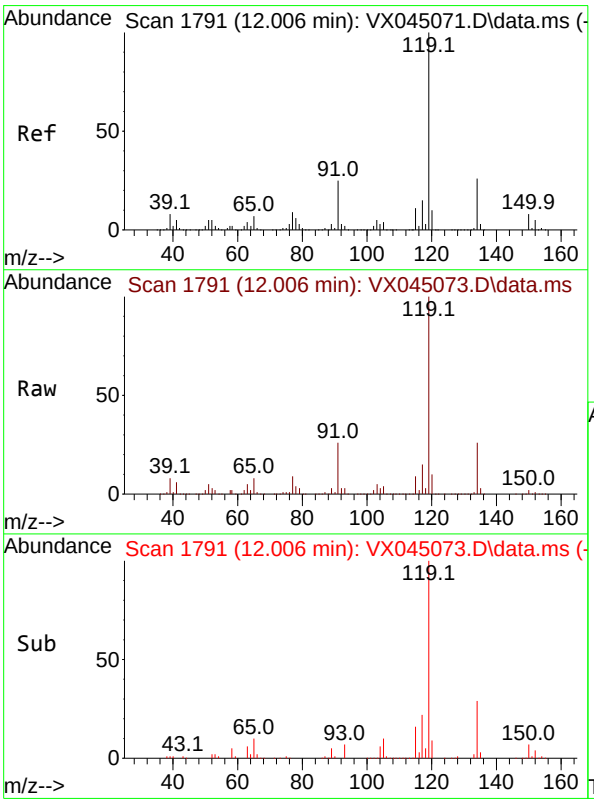
Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

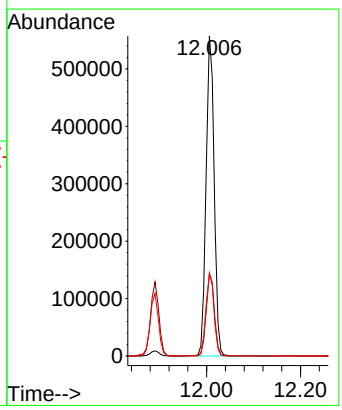
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

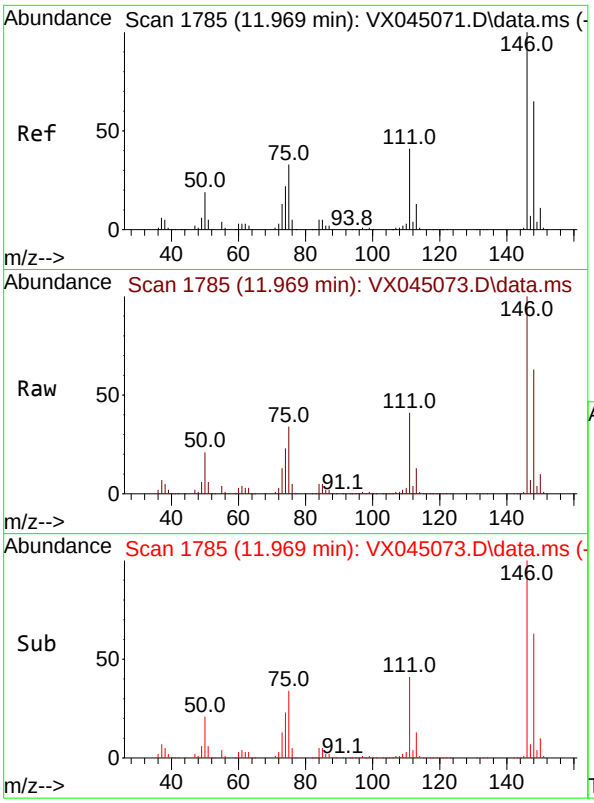


#86
p-Isopropyltoluene
Concen: 149.075 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

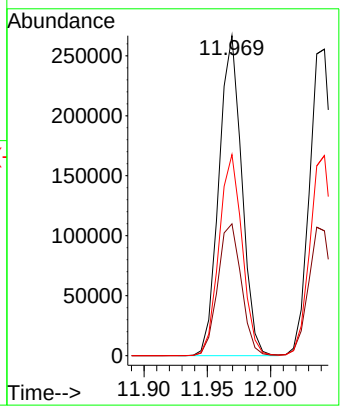




#87
1,3-Dichlorobenzene
Concen: 147.488 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 33475

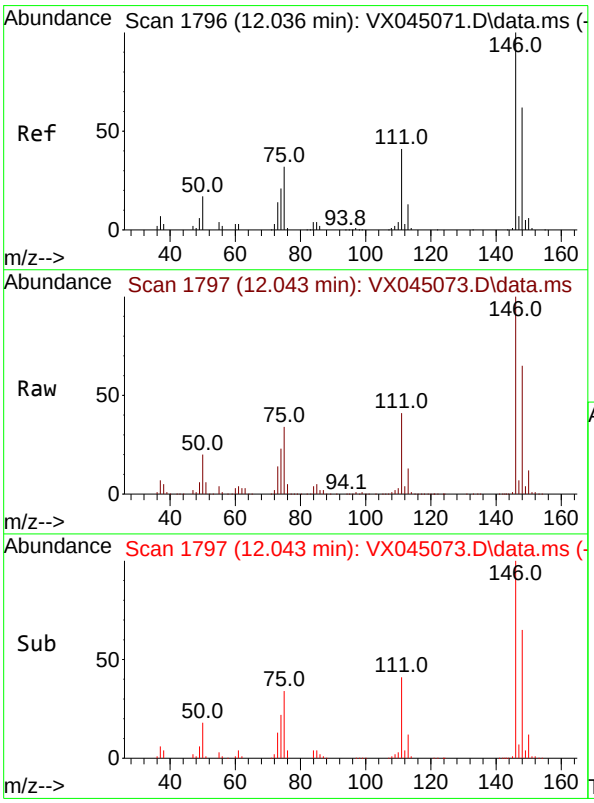
Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.4
148	63.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

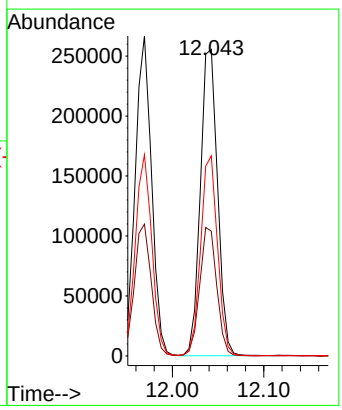
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

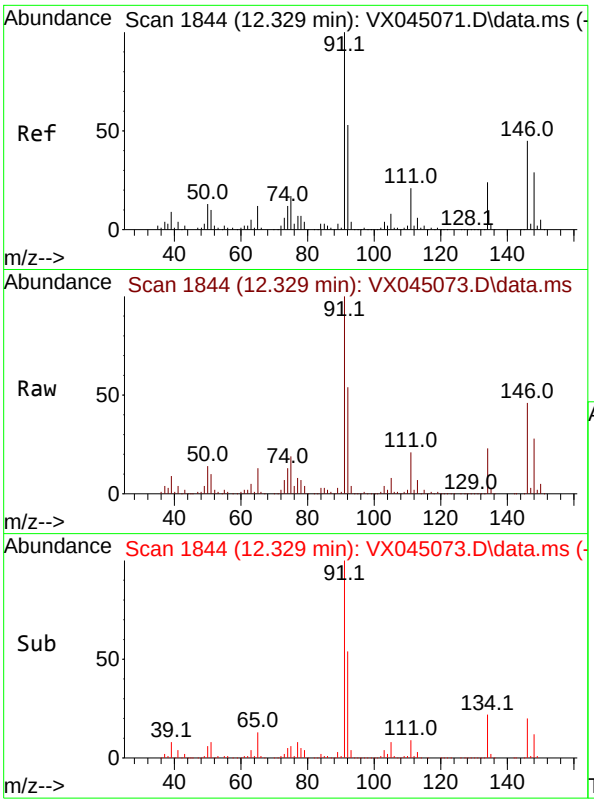


#88
1,4-Dichlorobenzene
Concen: 145.189 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

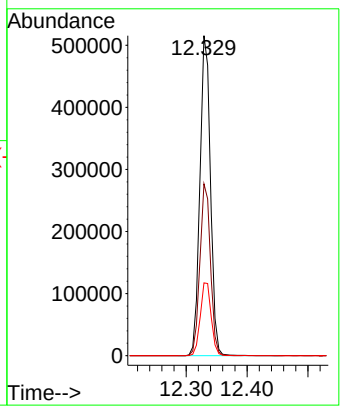




#89
n-Butylbenzene
Concen: 158.324 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 62075

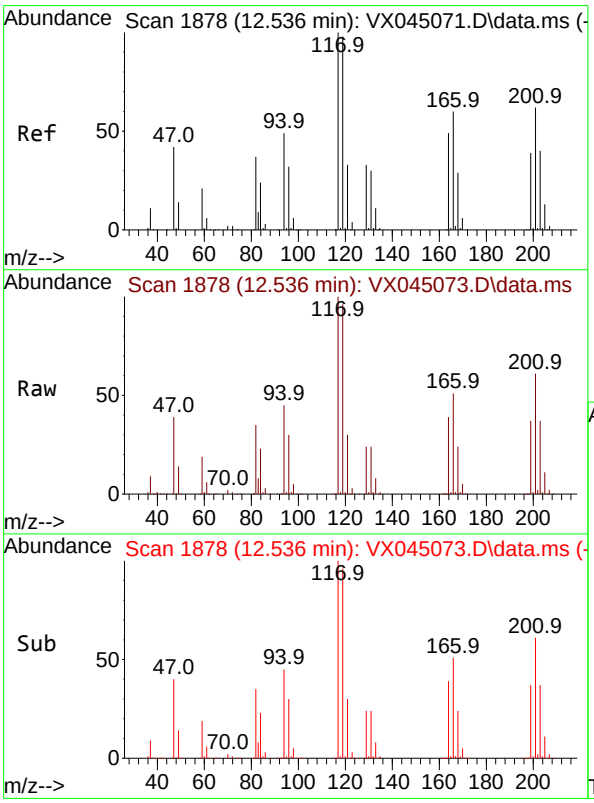
Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.7	80.0
134	23.6	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

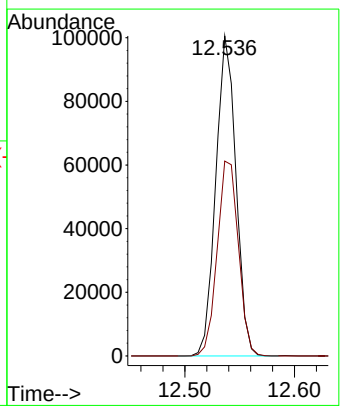
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

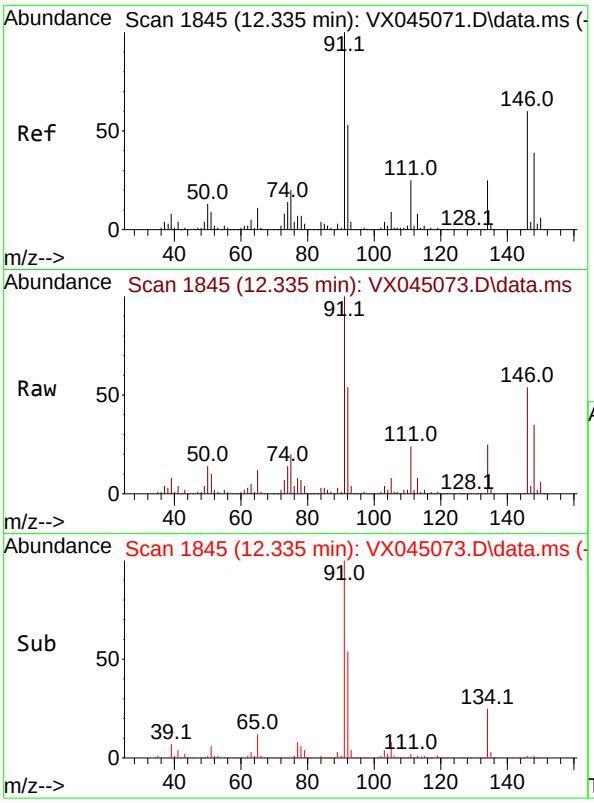


#90
Hexachloroethane
Concen: 154.554 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 128582

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.9	95.9

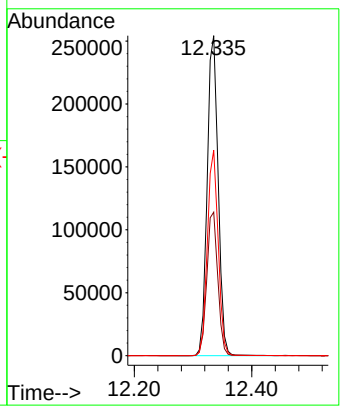




#91
1,2-Dichlorobenzene
Concen: 147.436 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:146 Resp: 32931

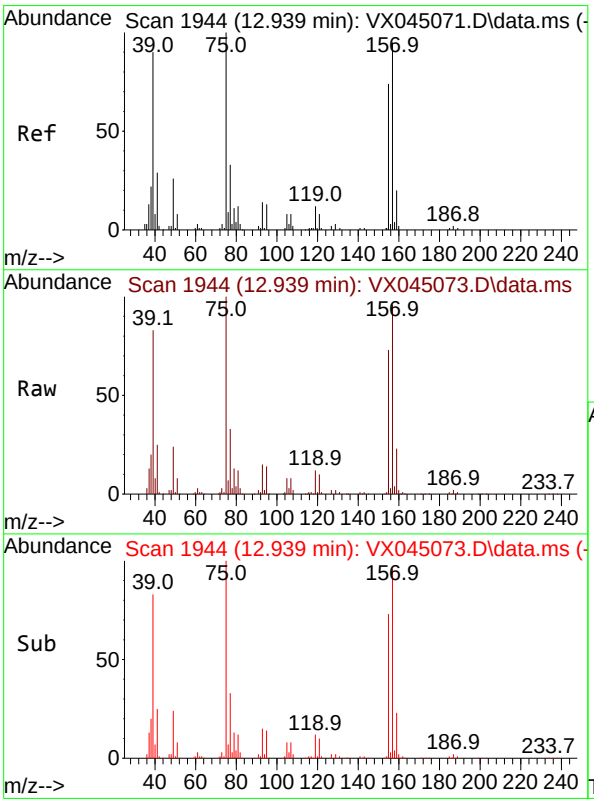
Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.6	65.0
148	63.4	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

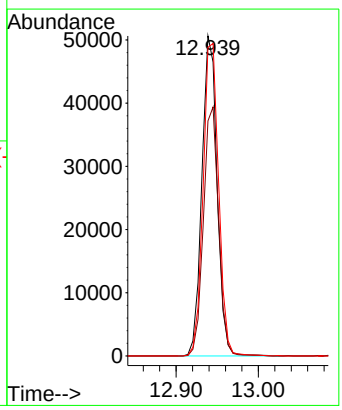
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

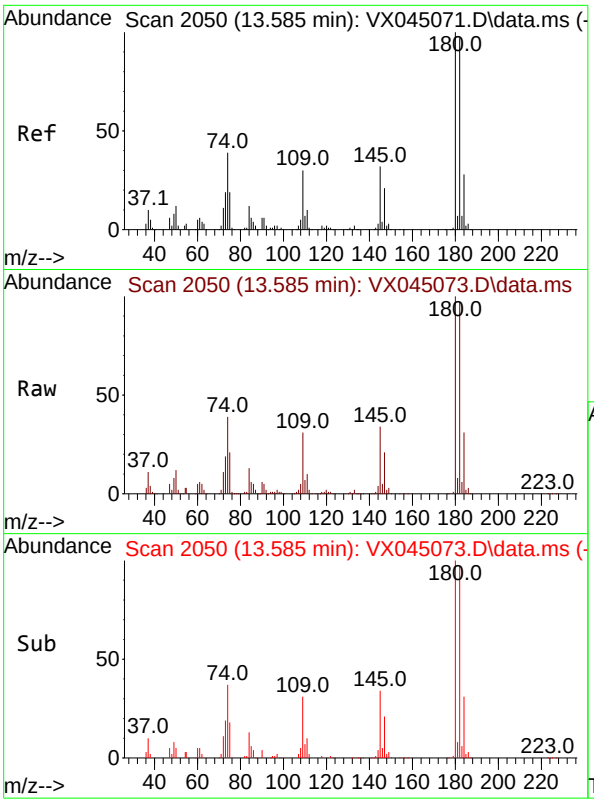


#92
1,2-Dibromo-3-Chloropropane
Concen: 186.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

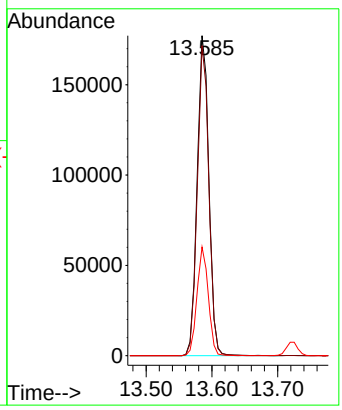




#93
1,2,4-Trichlorobenzene
Concen: 162.416 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:180 Resp: 21931

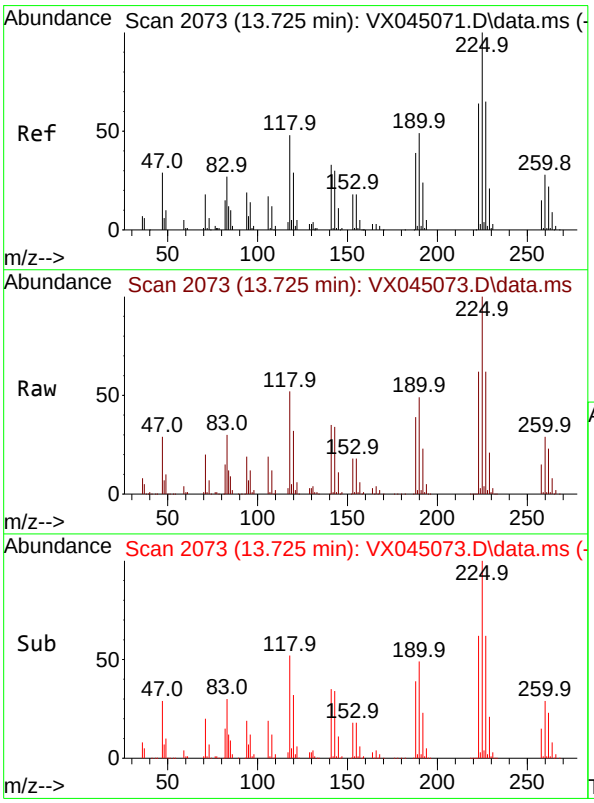
Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	141.9
145	32.9	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

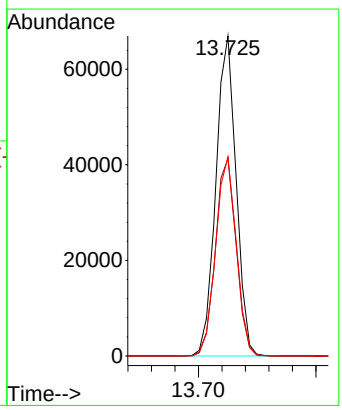
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

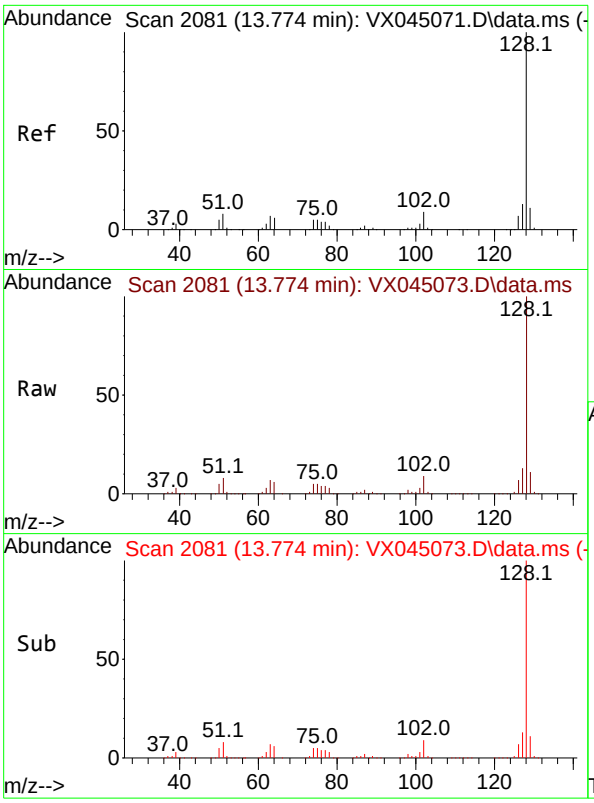


#94
Hexachlorobutadiene
Concen: 149.034 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

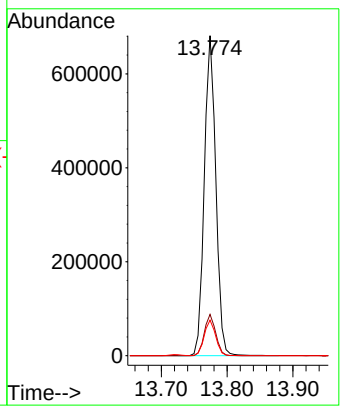




#95
Naphthalene
Concen: 168.538 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:128 Resp: 828949

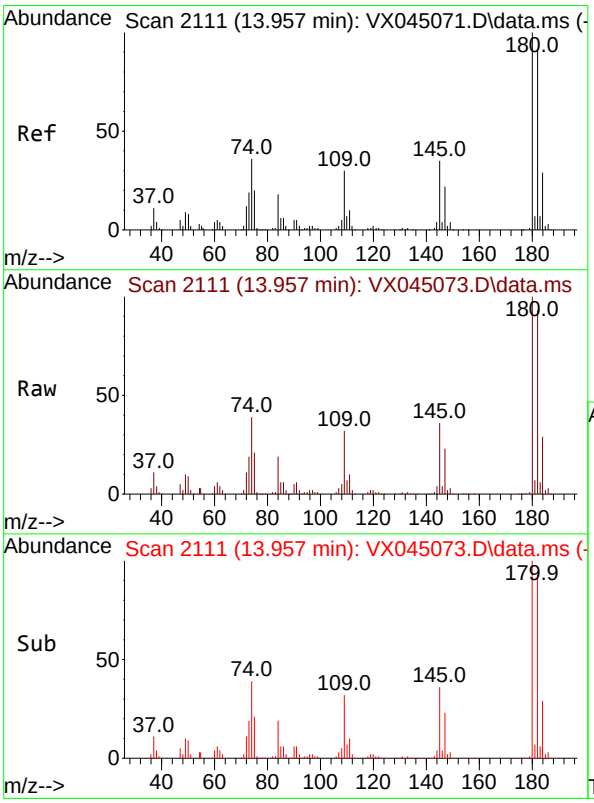
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

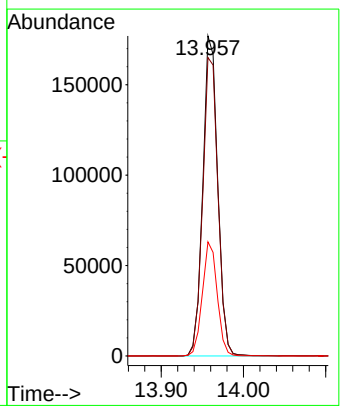
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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



Quantitation Report (QT Reviewed)

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

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)
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

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

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

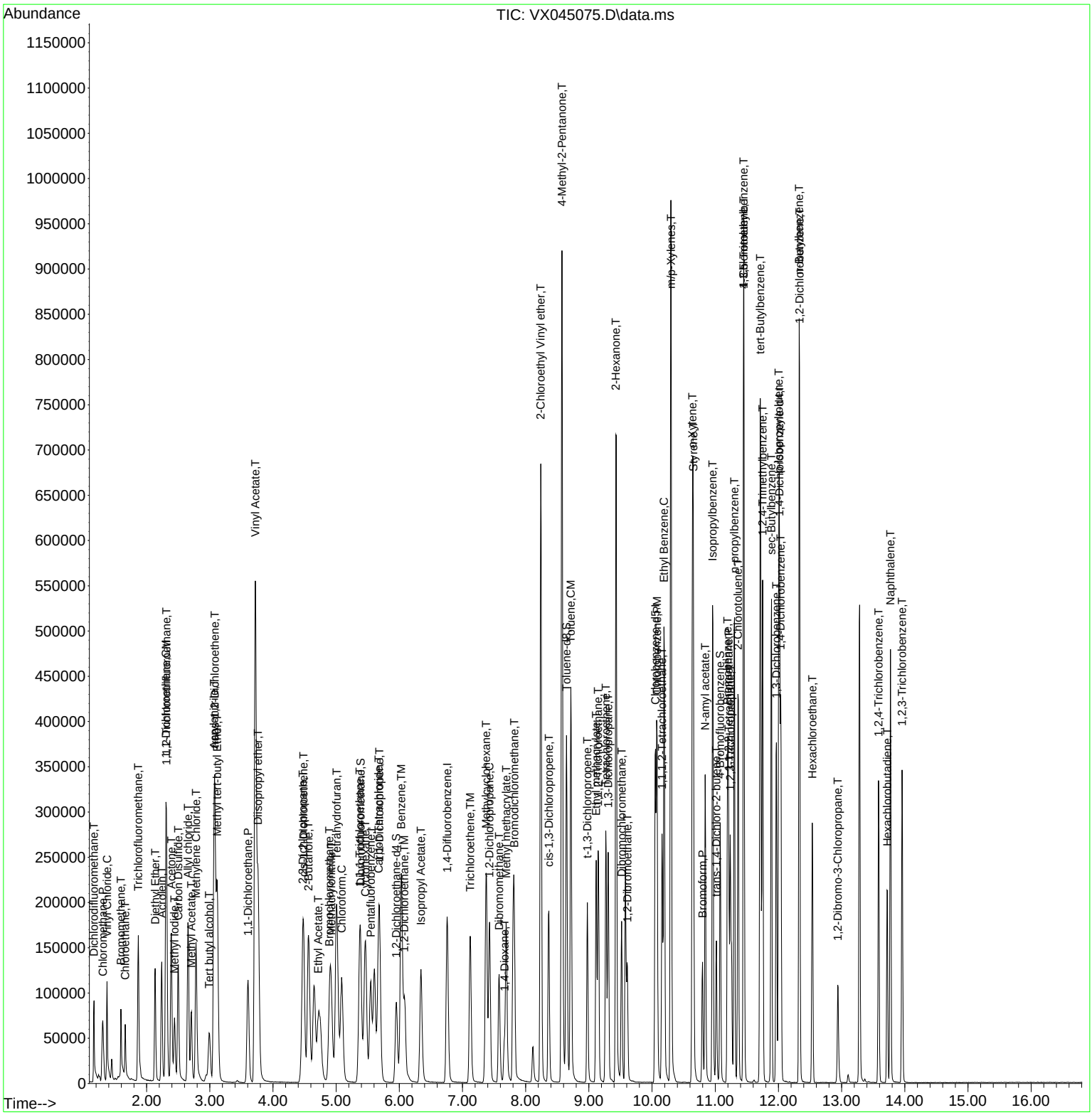
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Data File : VX045075.D
Acq On : 28 Feb 2025 04:33
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

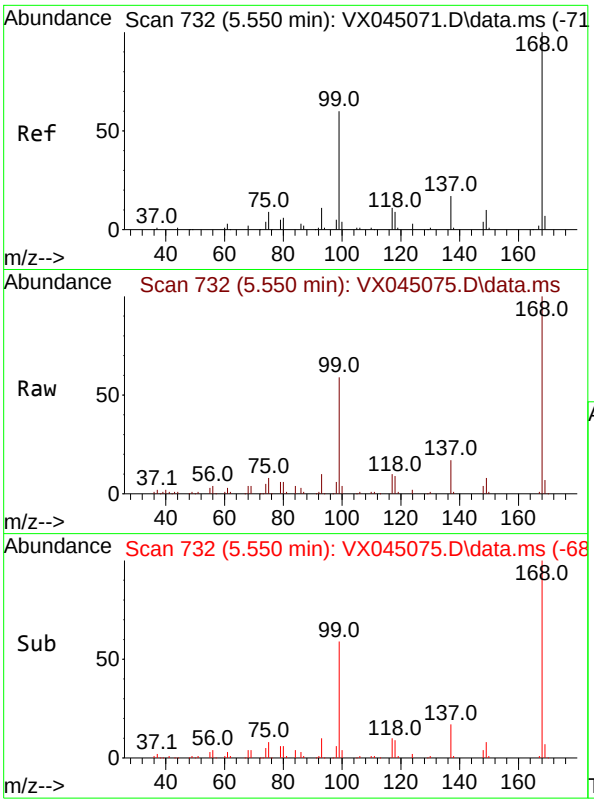
Quant Time: Feb 28 06:55:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations APPROVED

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

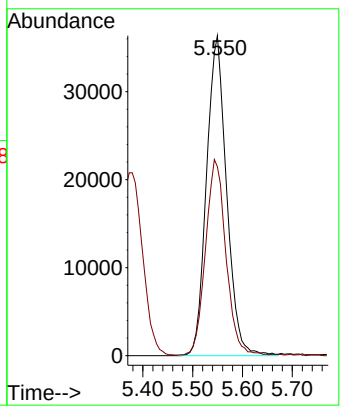




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:168 Resp: 10160

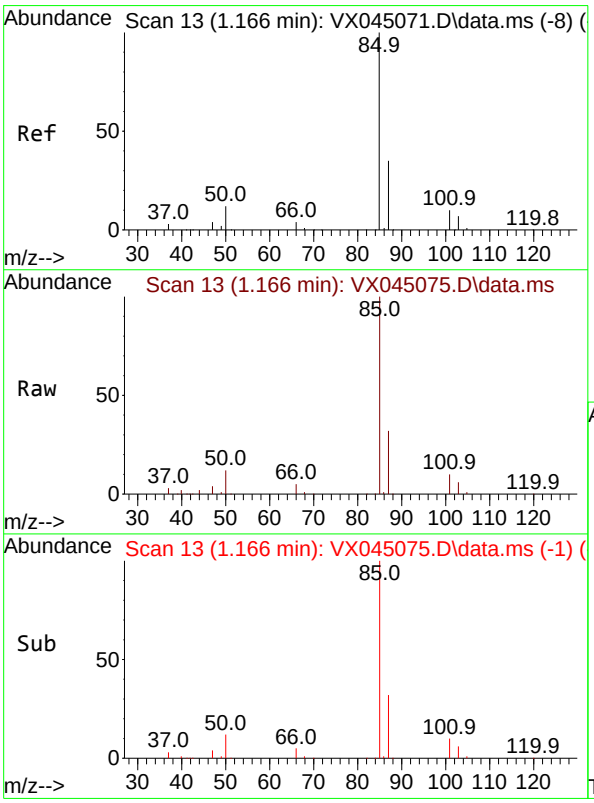
Ion	Ratio	Lower	Upper
168	100		
99	58.9	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

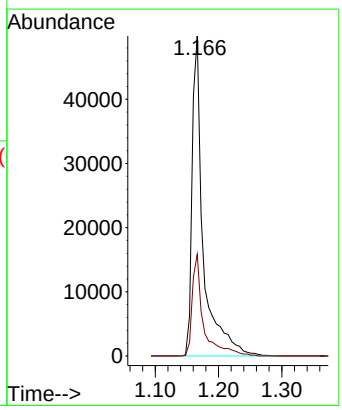
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

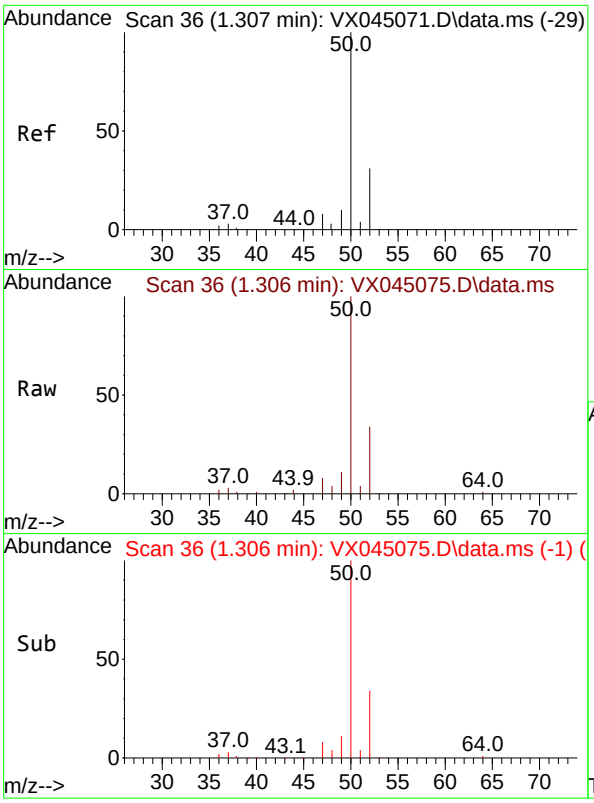


#2
Dichlorodifluoromethane
Concen: 47.933 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

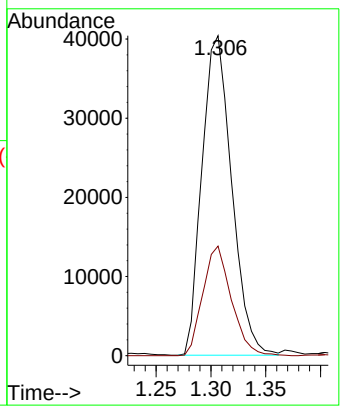
Tgt Ion: 50 Resp: 7621(

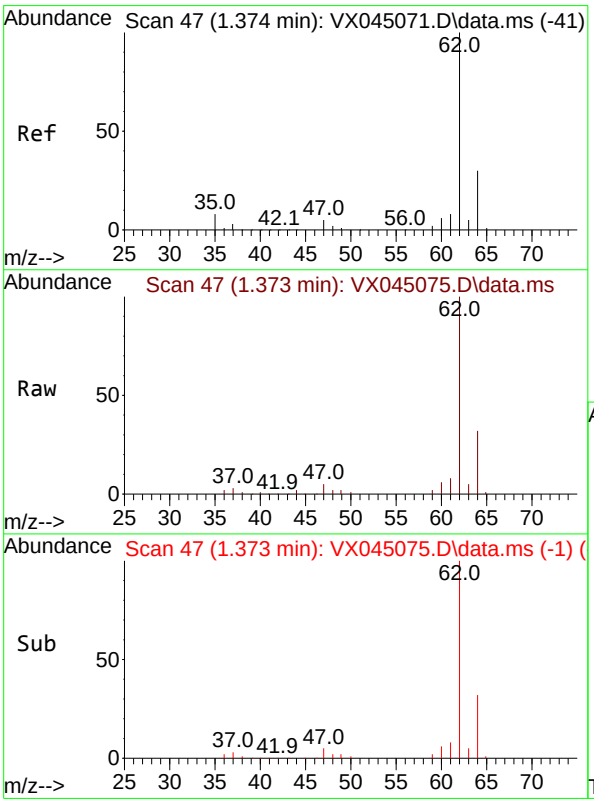
Ion	Ratio	Lower	Upper
50	100		
52	34.3	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

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

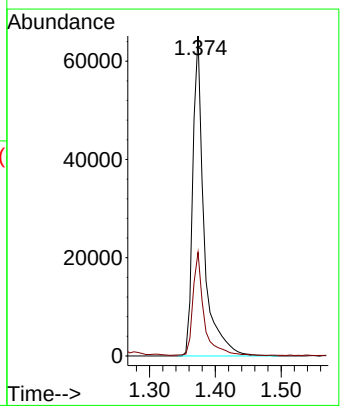


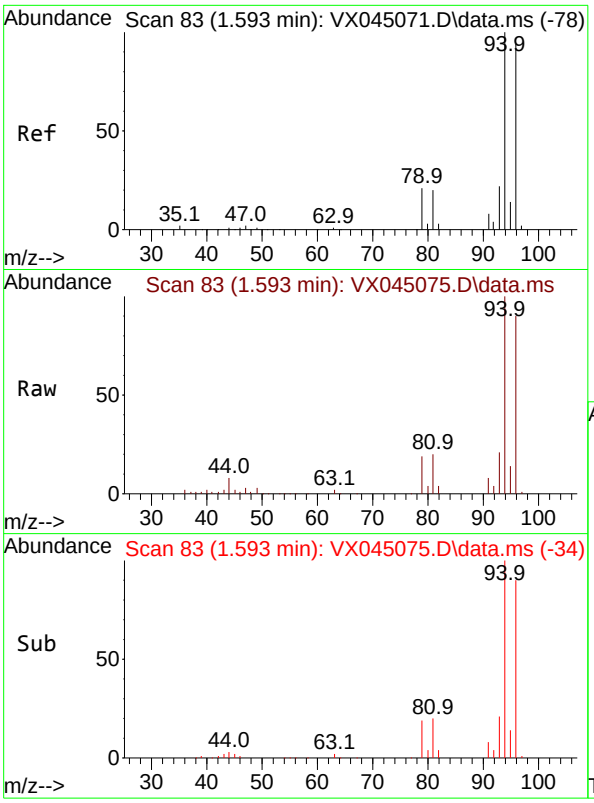


#4
Vinyl Chloride
Concen: 49.529 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 76901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5

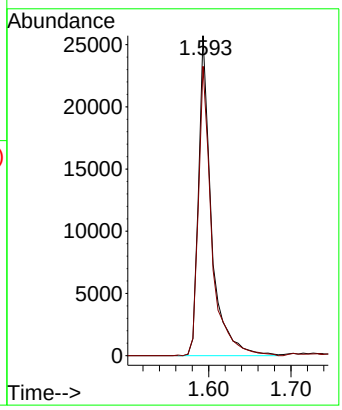




#5
Bromomethane
Concen: 46.190 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 94 Resp: 2819

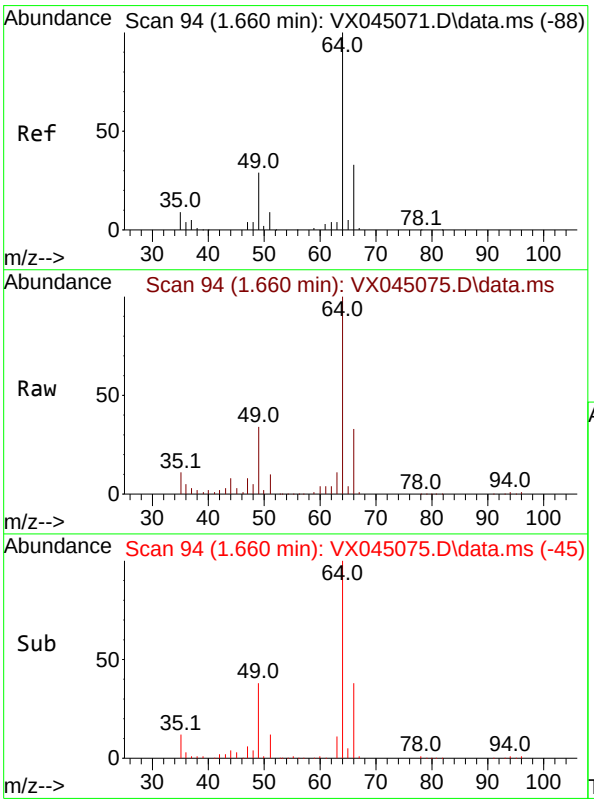
Ion	Ratio	Lower	Upper
94	100		
96	90.5	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

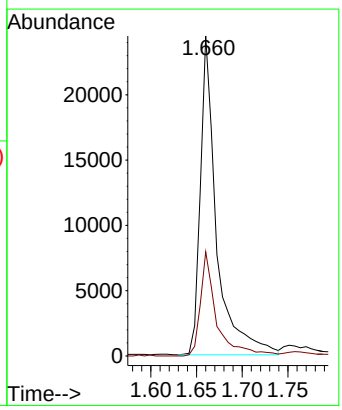
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

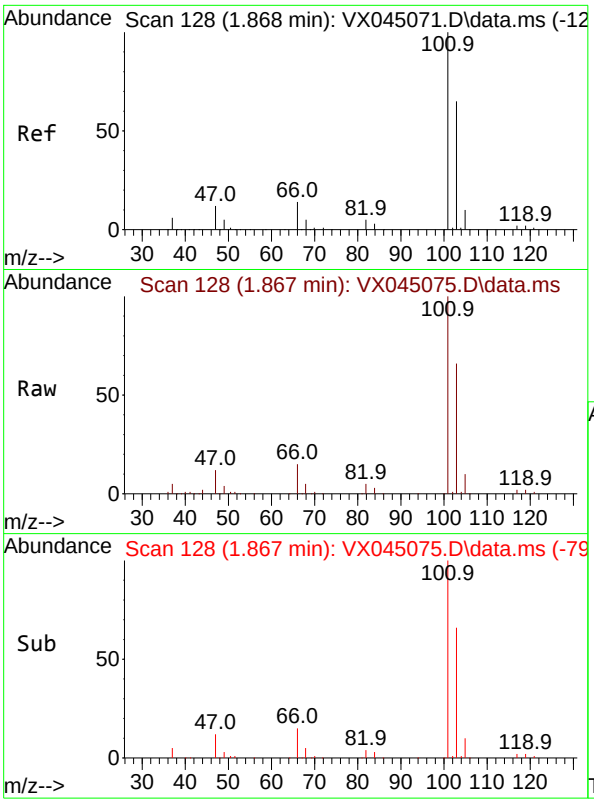


#6
Chloroethane
Concen: 41.948 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 64 Resp: 30042

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1

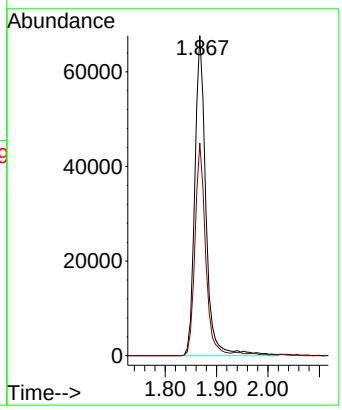




#7
Trichlorofluoromethane
Concen: 49.569 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:101 Resp: 10188

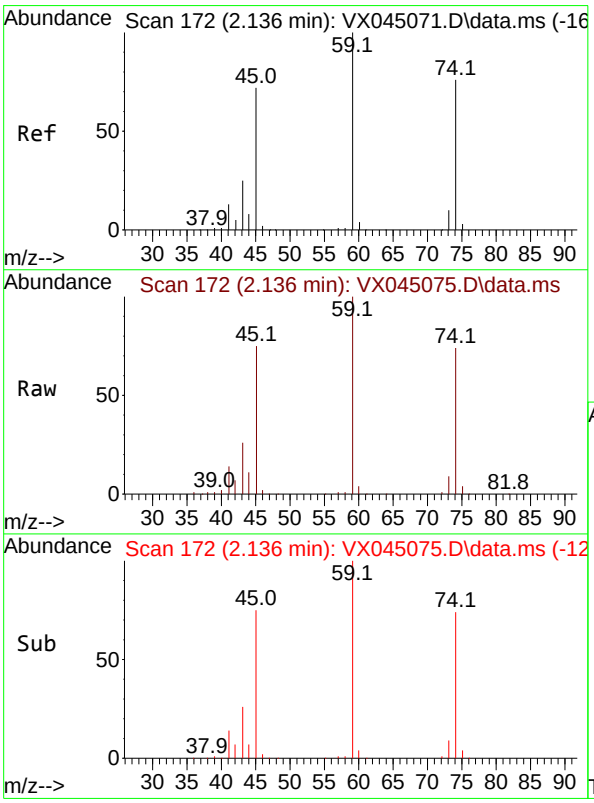
Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

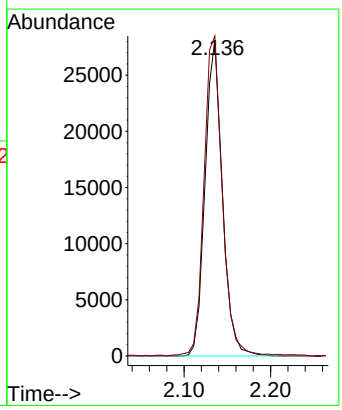
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

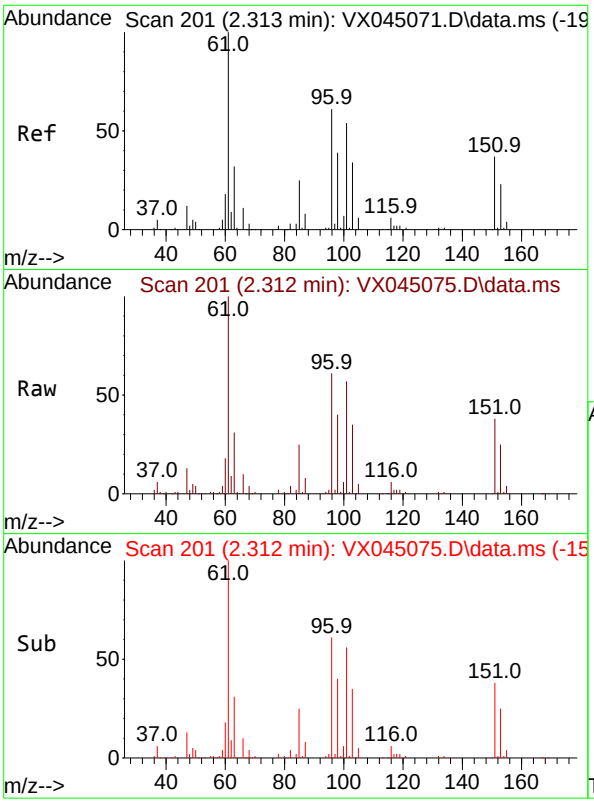


#8
Diethyl Ether
Concen: 48.651 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

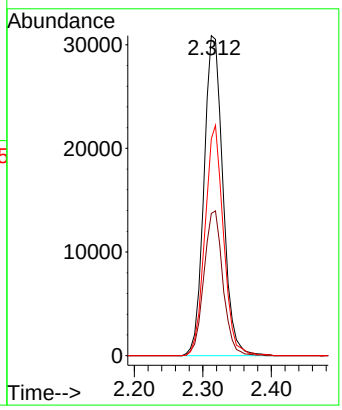
Tgt Ion:101 Resp: 5947

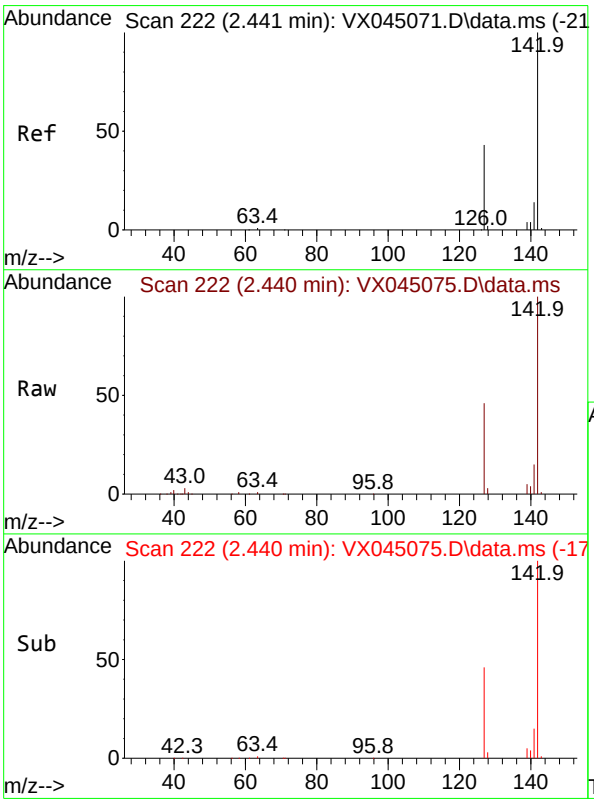
Ion	Ratio	Lower	Upper
101	100		
85	45.4	36.2	54.4
151	70.2	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

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

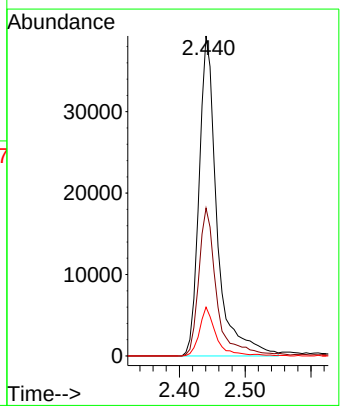


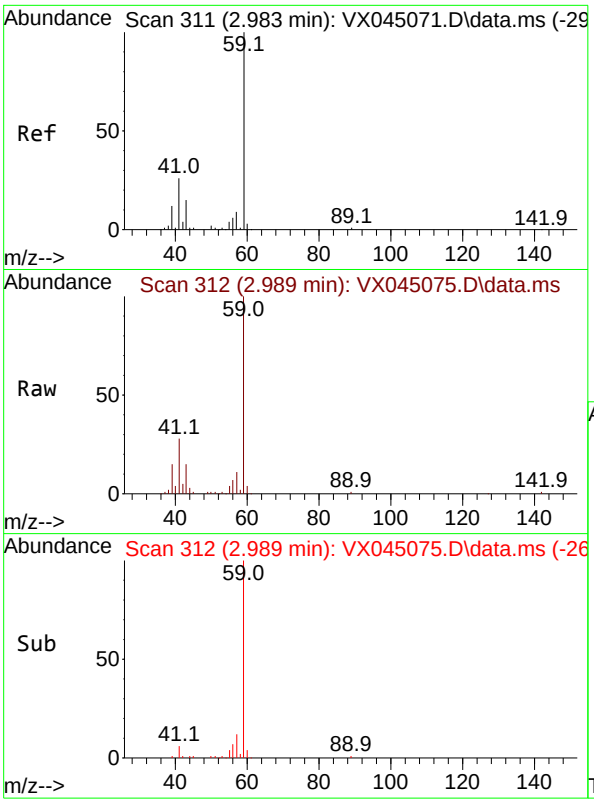


#10
Methyl Iodide
Concen: 50.541 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

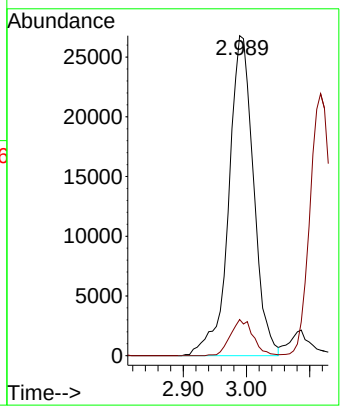




#11
Tert butyl alcohol
Concen: 238.577 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 59 Resp: 7303

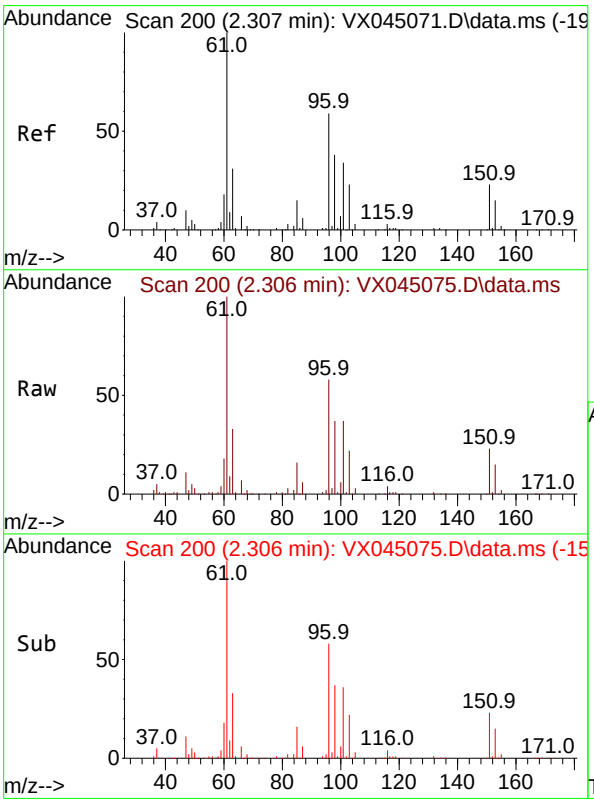
Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

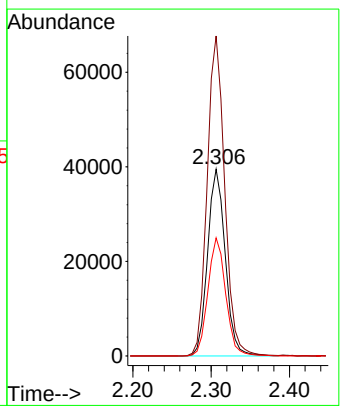
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

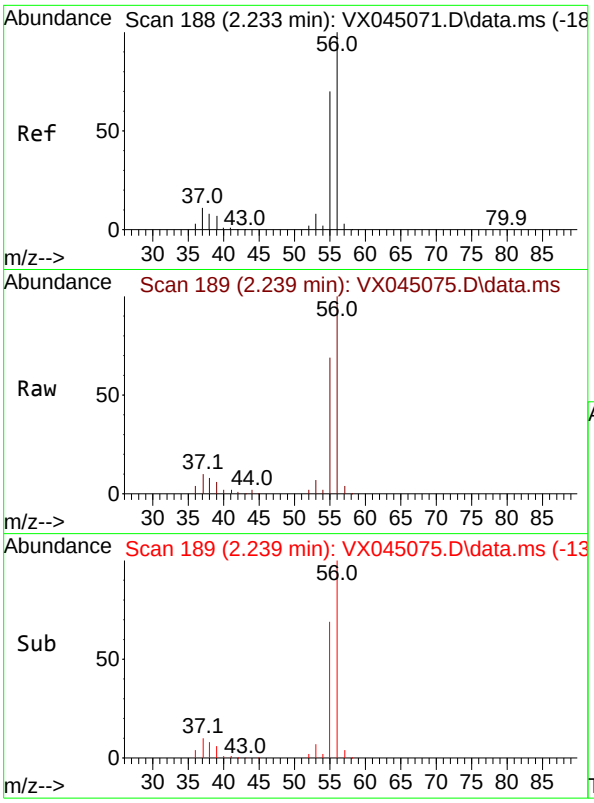


#12
1,1-Dichloroethene
Concen: 49.568 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

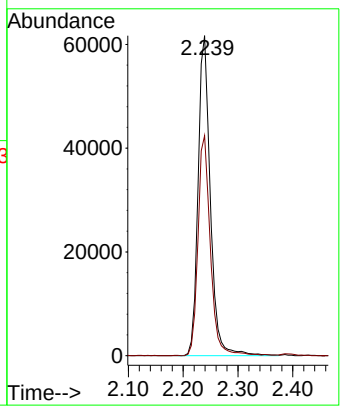




#13
Acrolein
Concen: 271.255 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 56 Resp: 9598

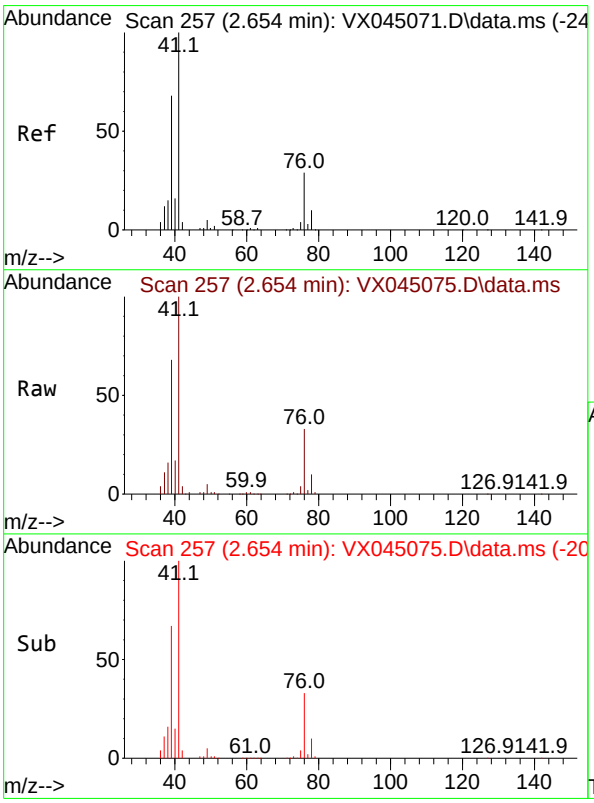
Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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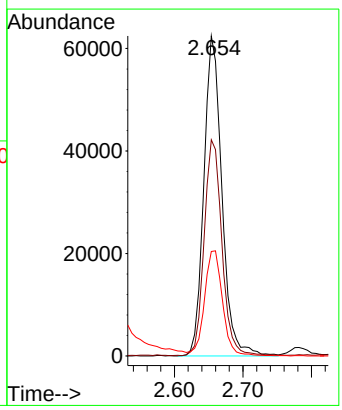
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

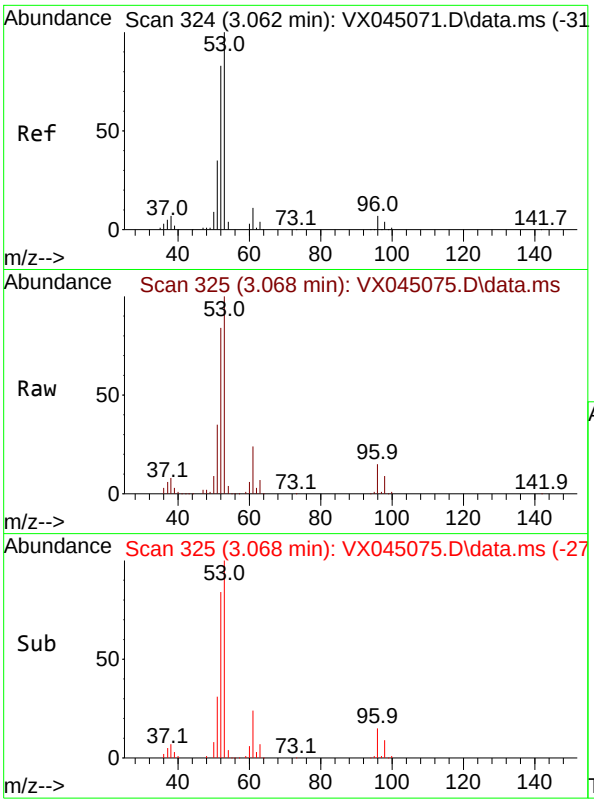


#14
Allyl chloride
Concen: 51.691 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

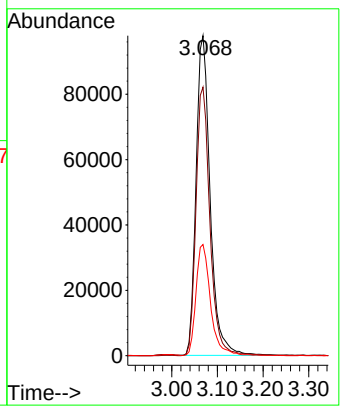




#15
Acrylonitrile
Concen: 255.479 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 53 Resp: 20960

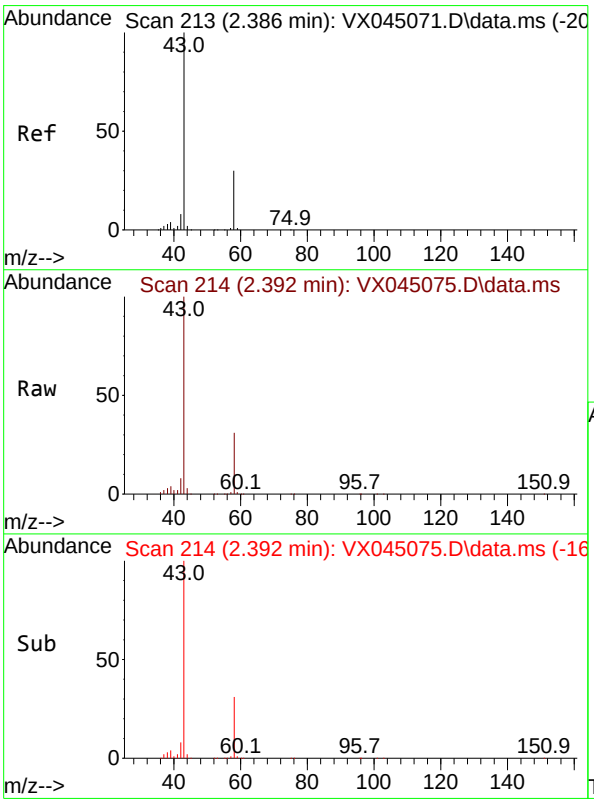
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	35.8	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

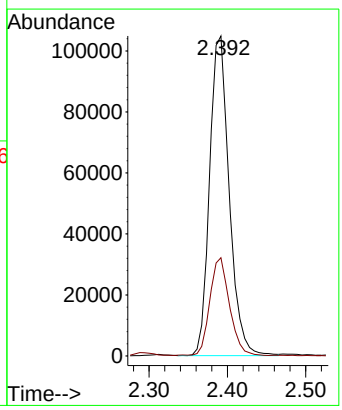
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

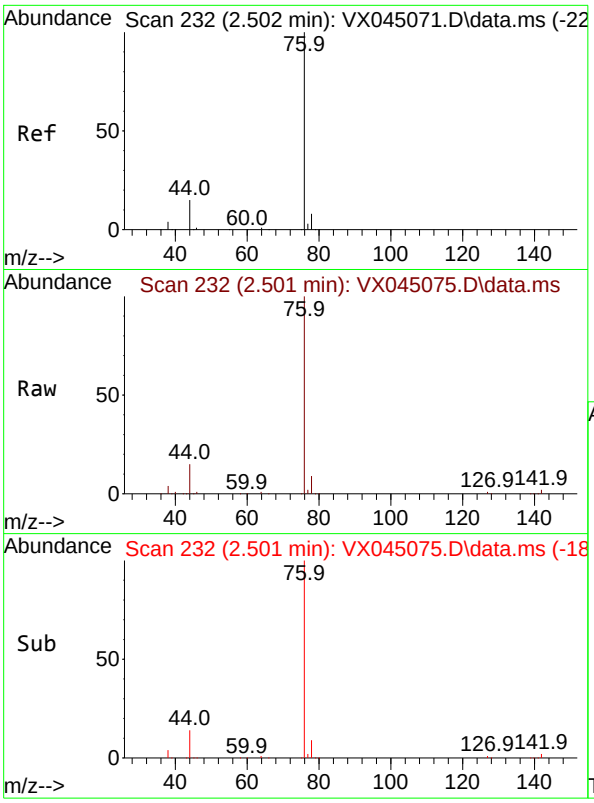


#16
Acetone
Concen: 242.877 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

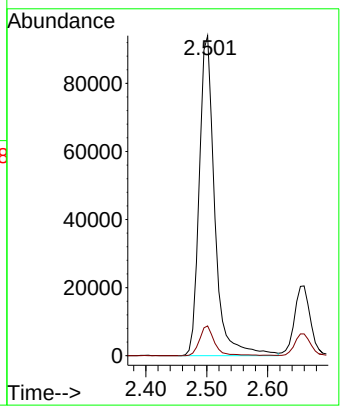
Tgt Ion: 76 Resp: 16610

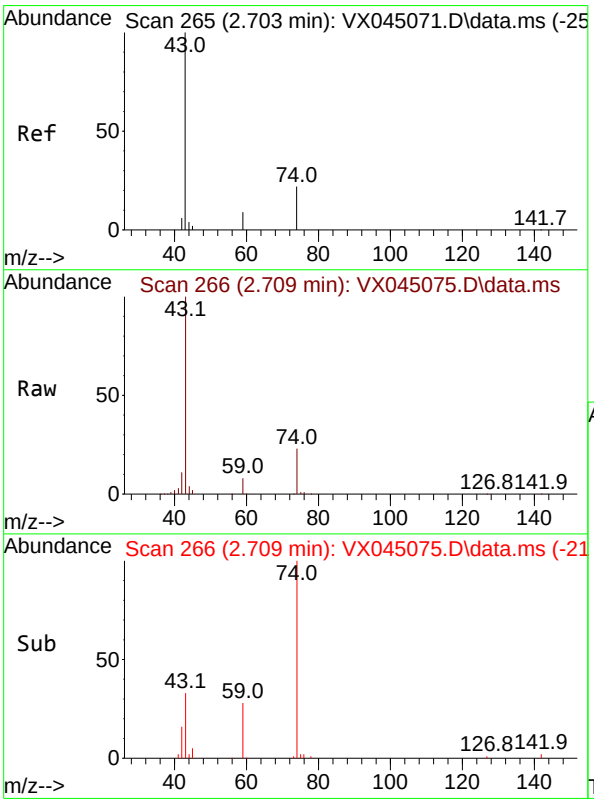
Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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

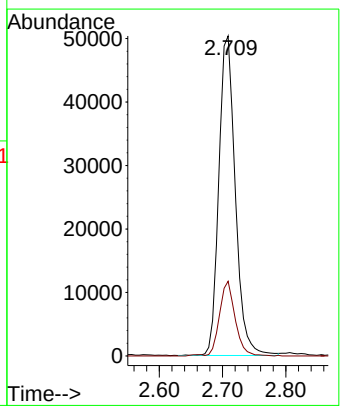


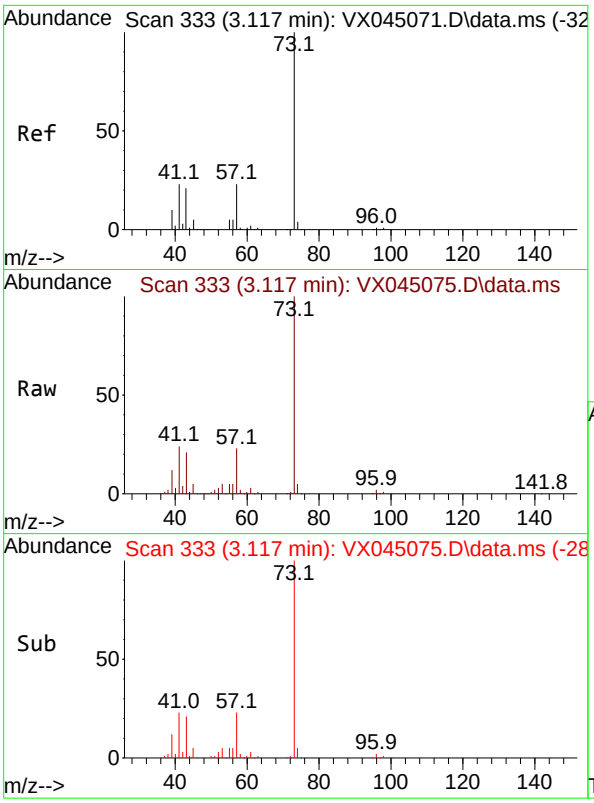


#18
Methyl Acetate
Concen: 50.312 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 90756

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2

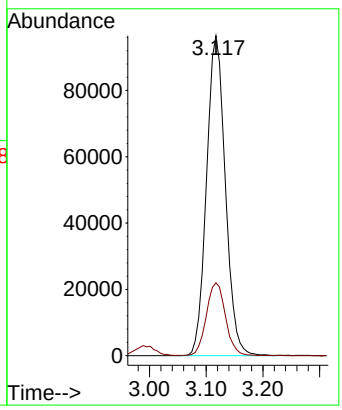




#19
Methyl tert-butyl Ether
Concen: 53.114 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 73 Resp: 22247

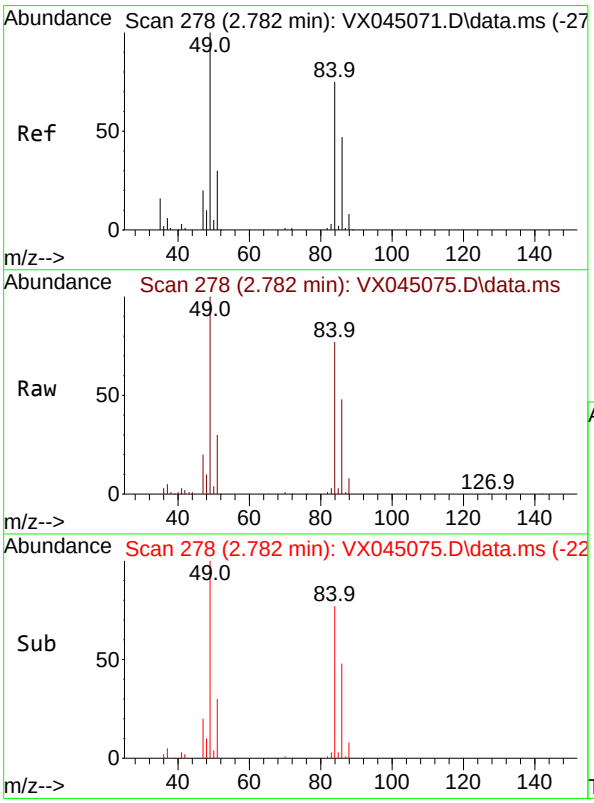
Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

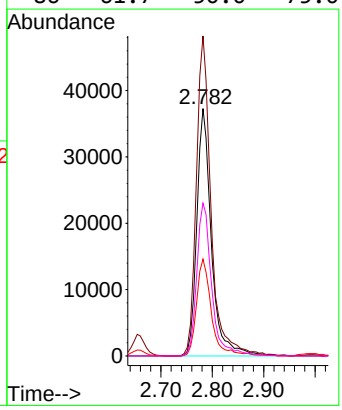
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

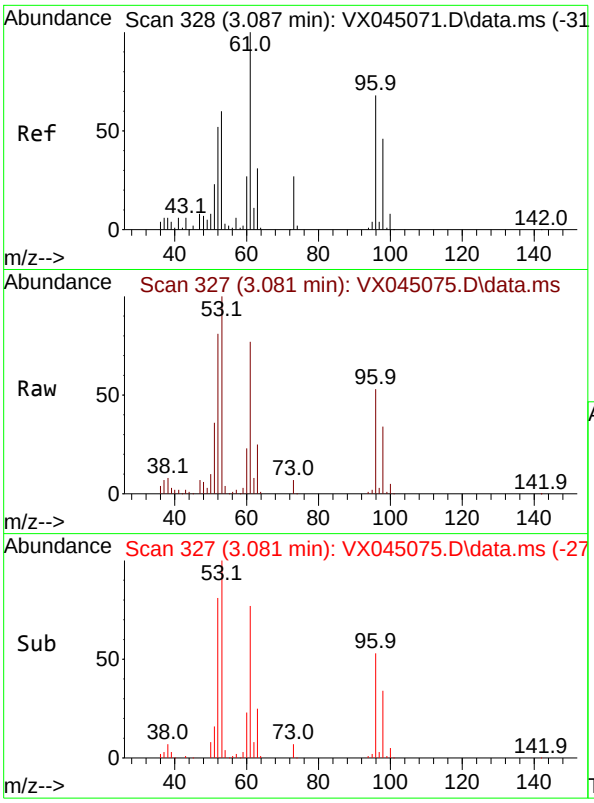


#20
Methylene Chloride
Concen: 49.639 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

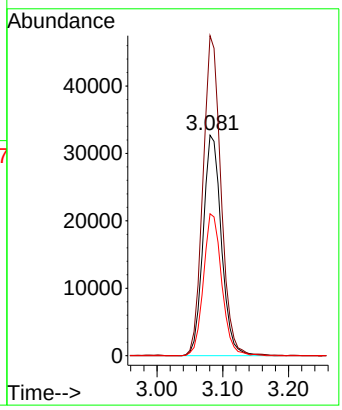




#21
trans-1,2-Dichloroethene
Concen: 51.172 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 6311

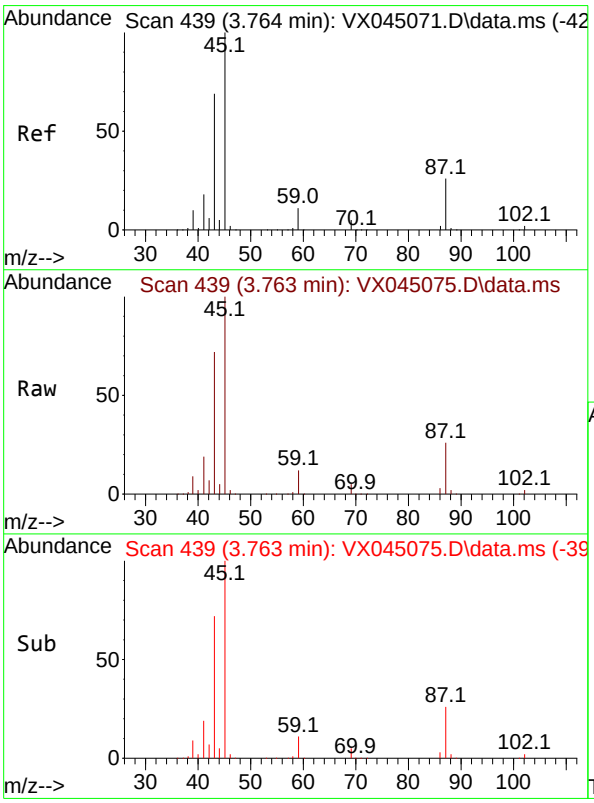
Ion	Ratio	Lower	Upper
96	100		
61	145.2	117.0	175.4
98	64.4	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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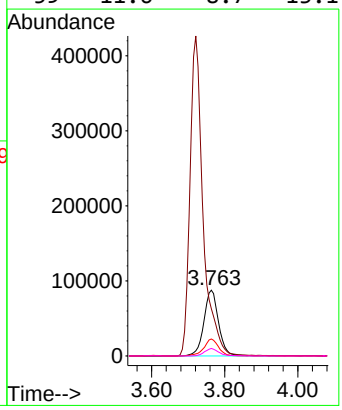
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

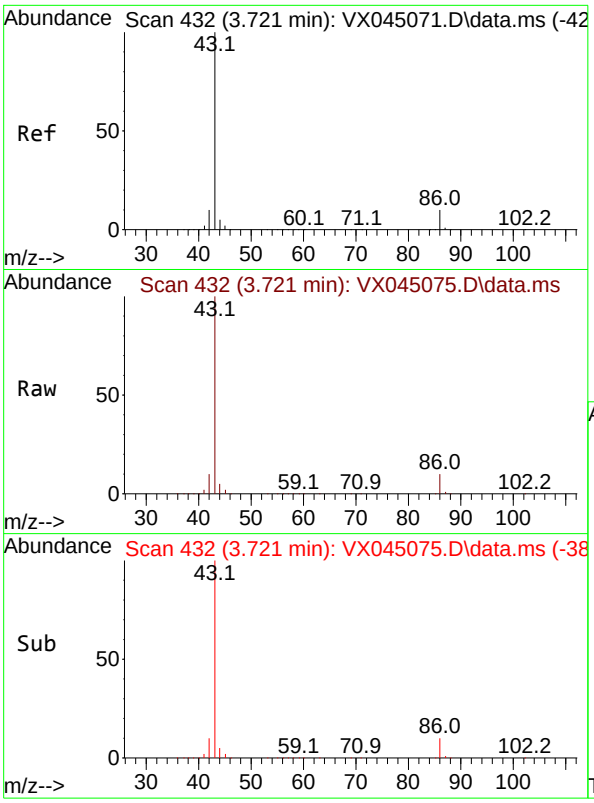


#22
Diisopropyl ether
Concen: 53.955 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

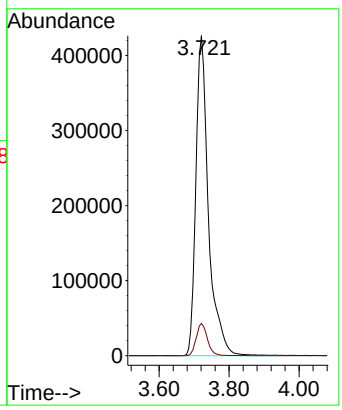
Tgt Ion: 43 Resp: 106481

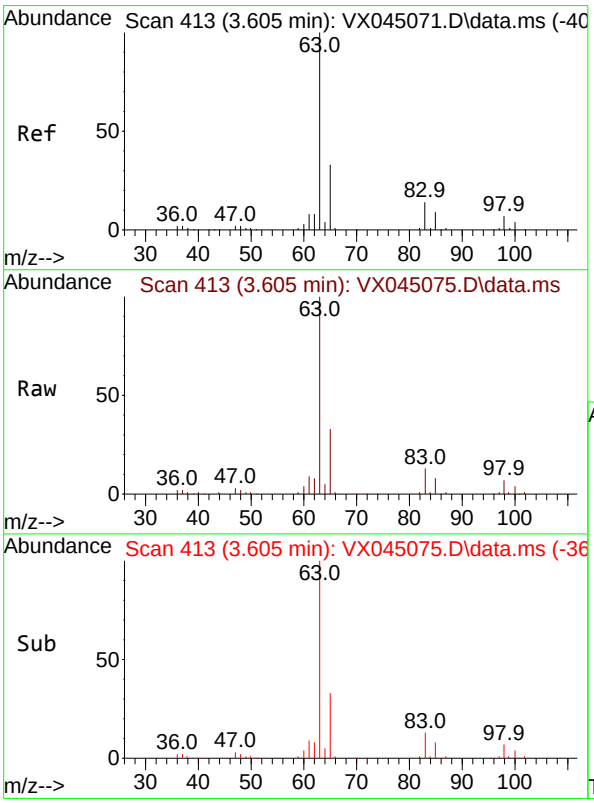
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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

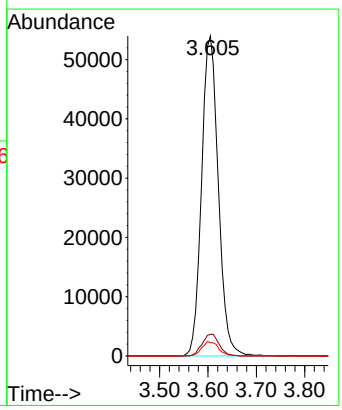


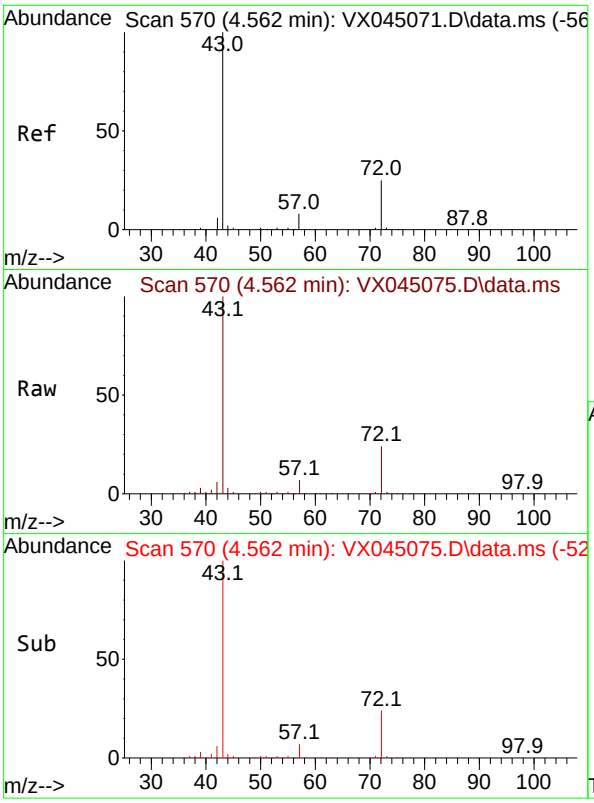


#24
1,1-Dichloroethane
Concen: 51.190 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

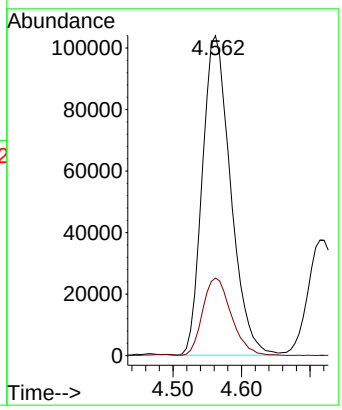




#25
2-Butanone
Concen: 264.040 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 29802

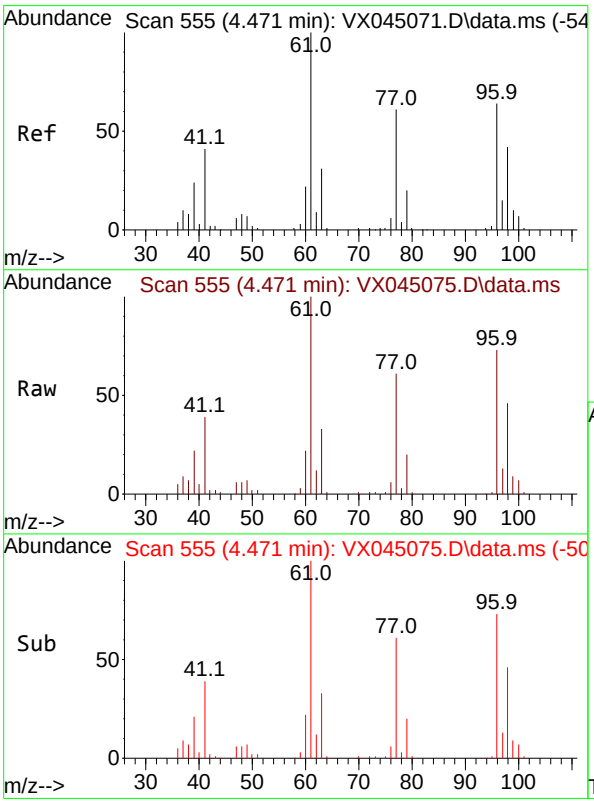
Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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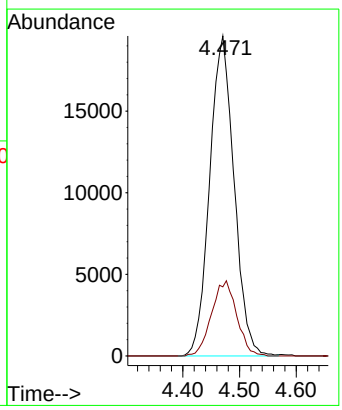
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

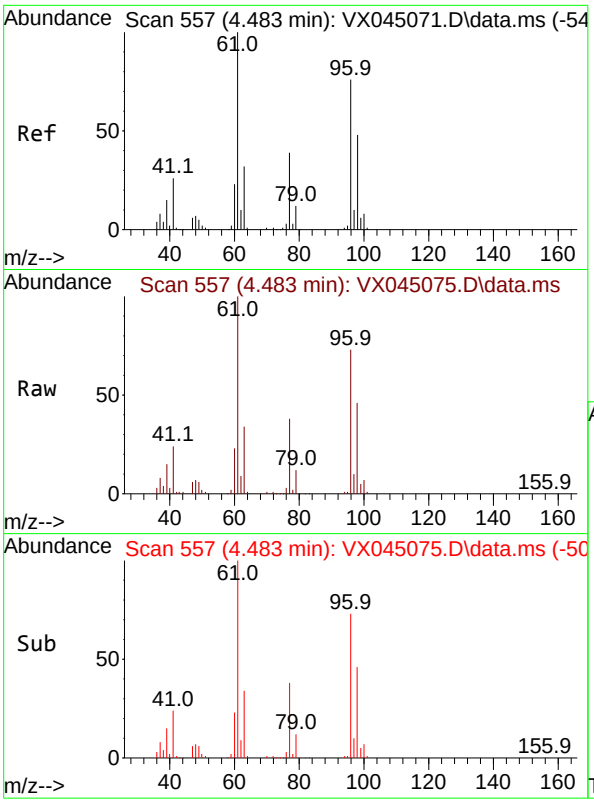


#26
2,2-Dichloropropane
Concen: 49.401 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 77 Resp: 58694

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0

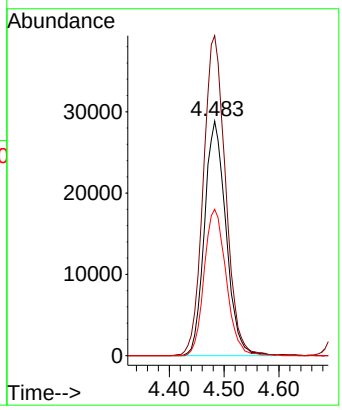




#27
cis-1,2-Dichloroethene
Concen: 51.606 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 96 Resp: 7857

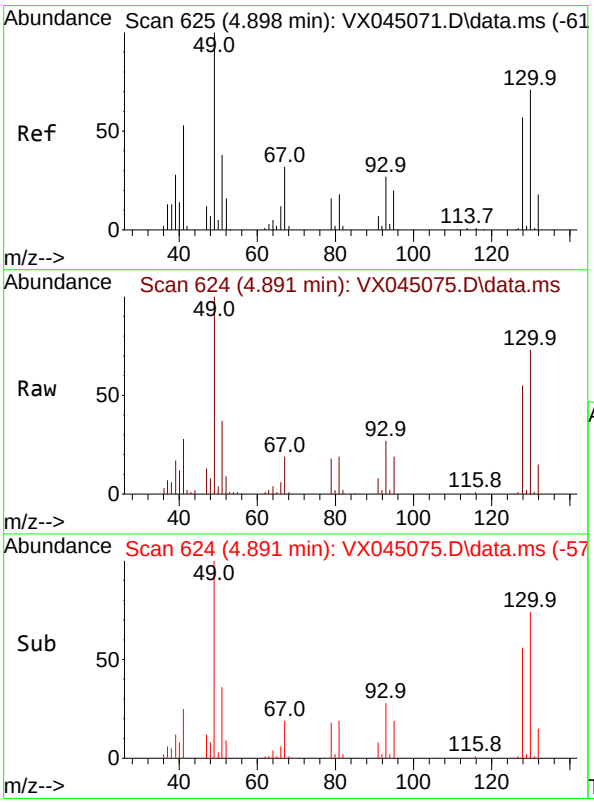
Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	283.2
98	63.8	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

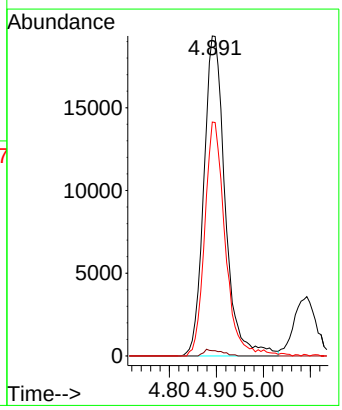
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

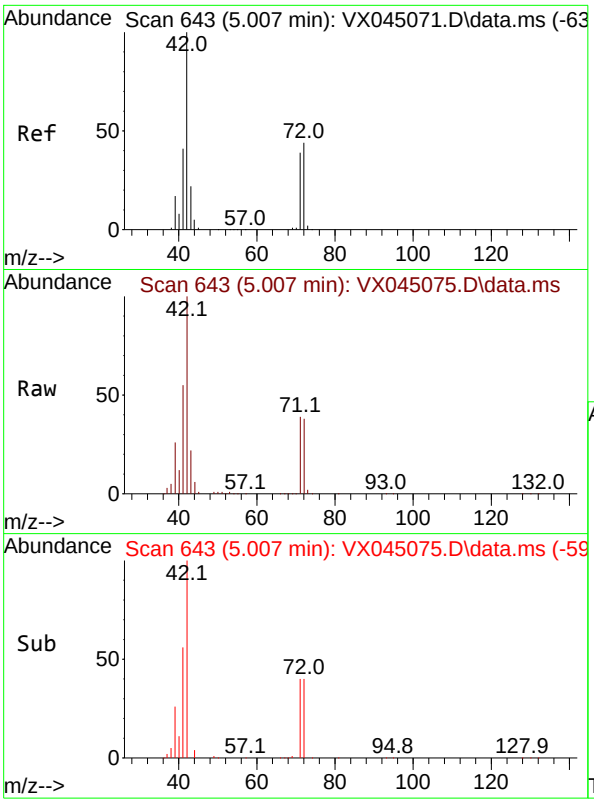


#28
Bromochloromethane
Concen: 50.399 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

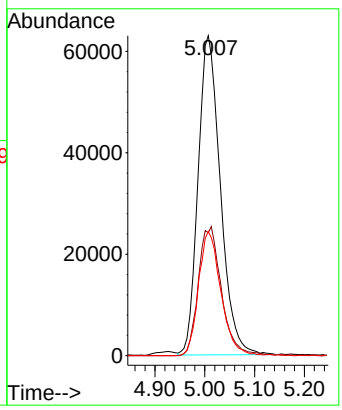
Tgt Ion: 42 Resp: 19576

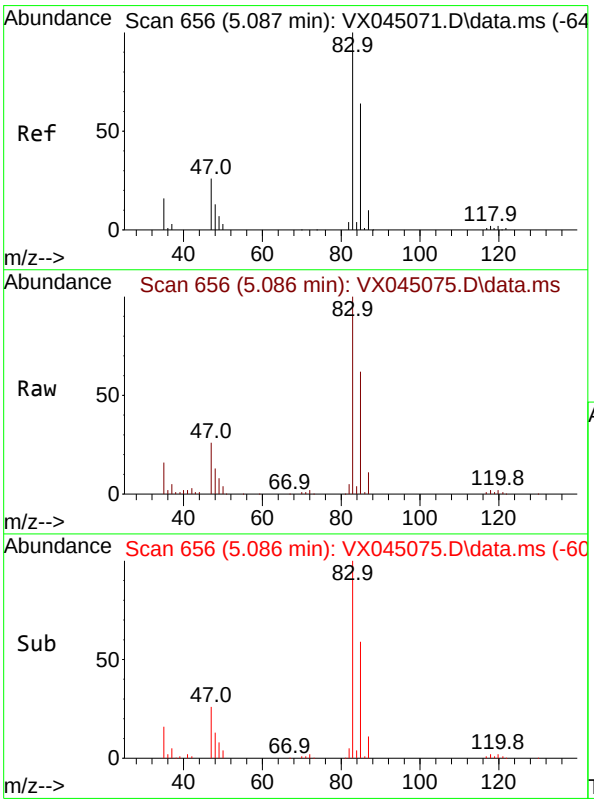
Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.9	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

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

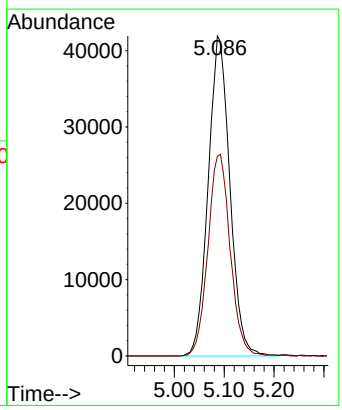


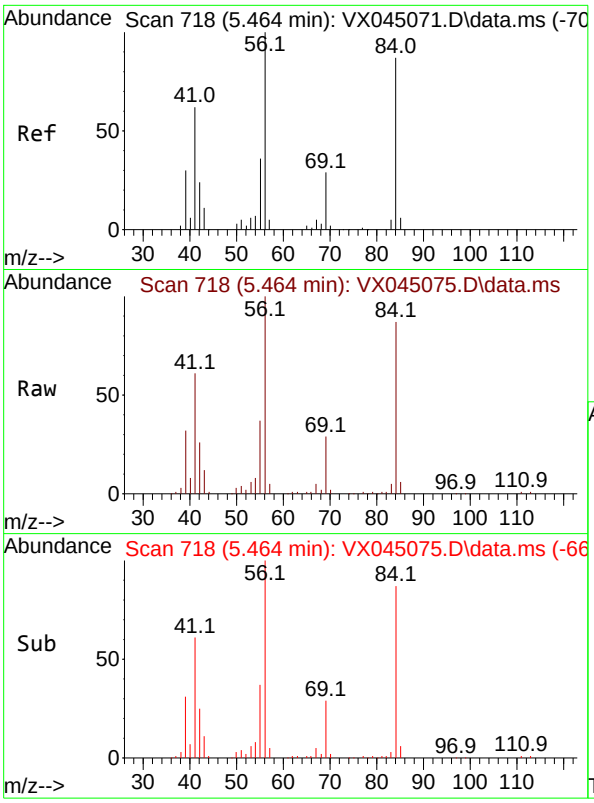


#30
Chloroform
Concen: 50.236 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 126437

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2

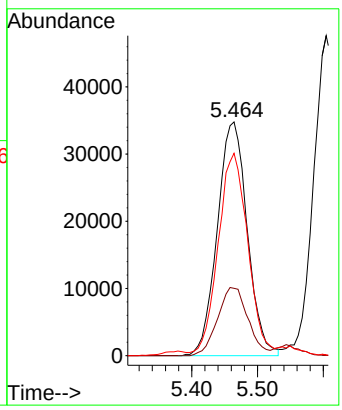




#31
Cyclohexane
Concen: 50.158 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 56 Resp: 11028

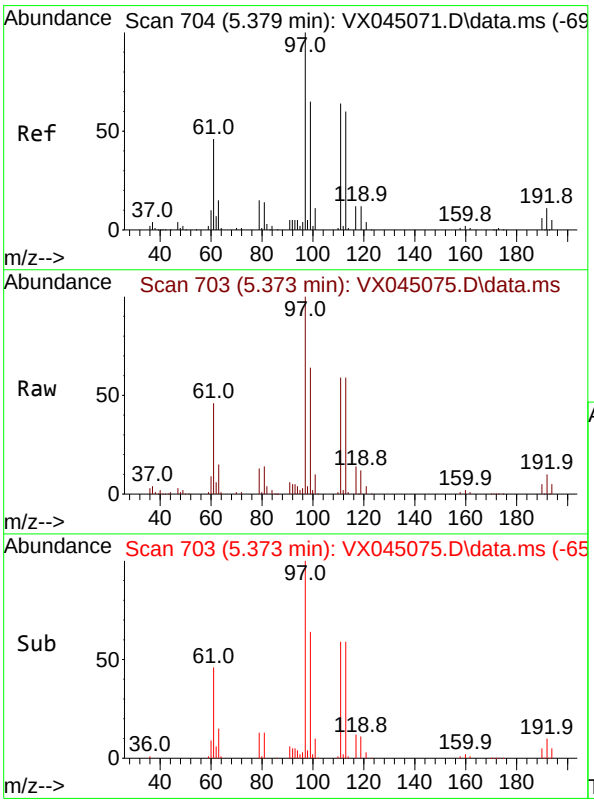
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.4	35.2
84	84.6	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

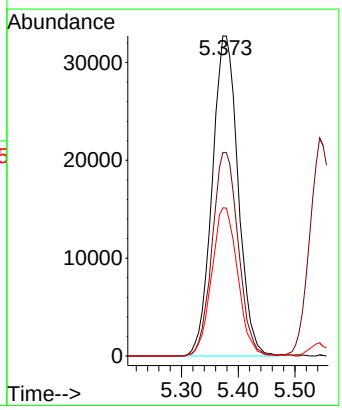
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

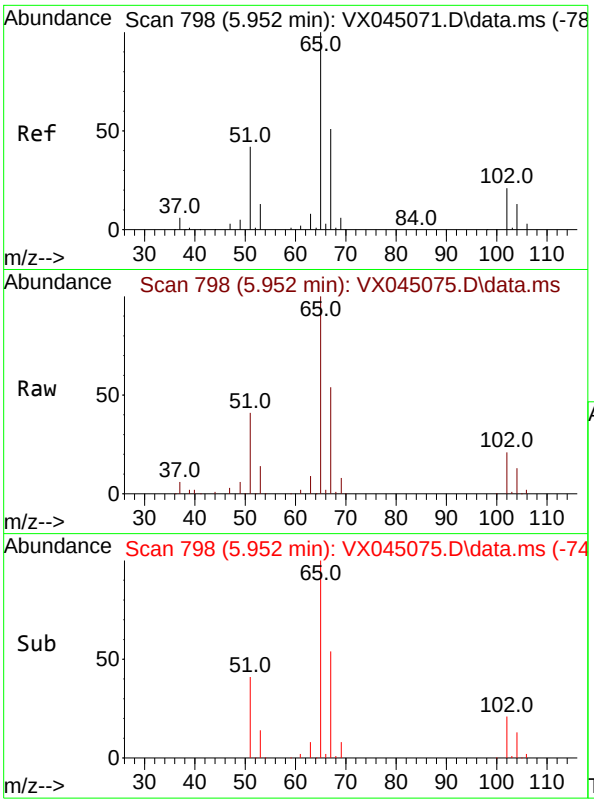


#32
1,1,1-Trichloroethane
Concen: 50.939 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

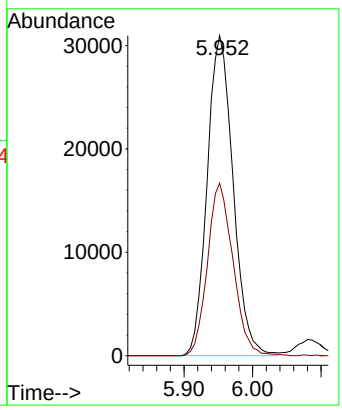




#33
1,2-Dichloroethane-d4
Concen: 50.297 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 65 Resp: 8128

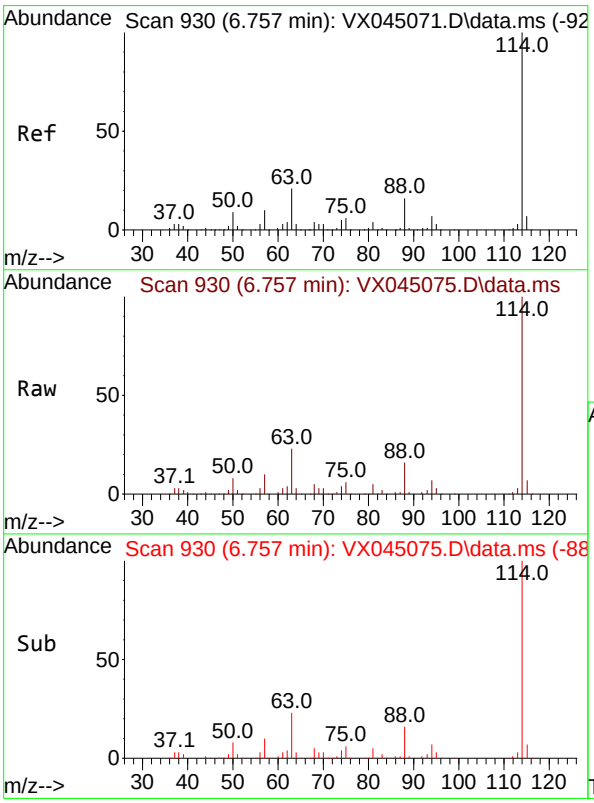
Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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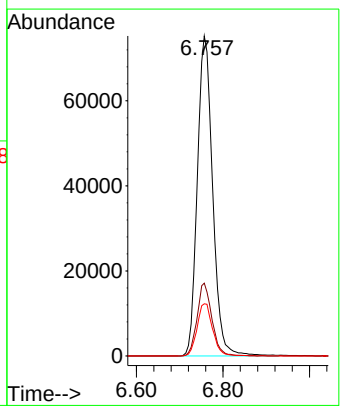
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

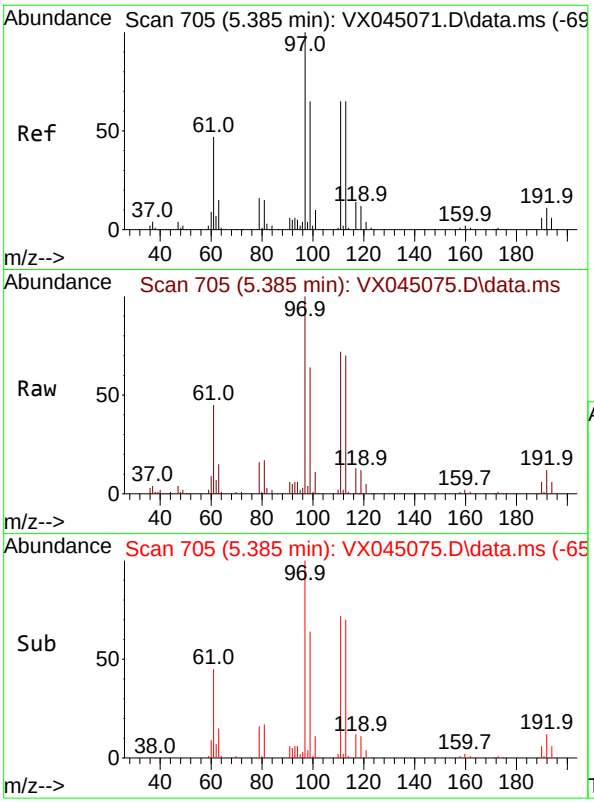


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

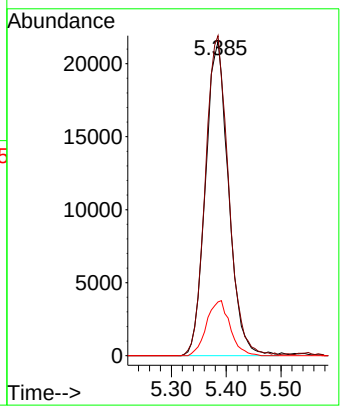




#35
Dibromofluoromethane
Concen: 50.841 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:113 Resp: 6288

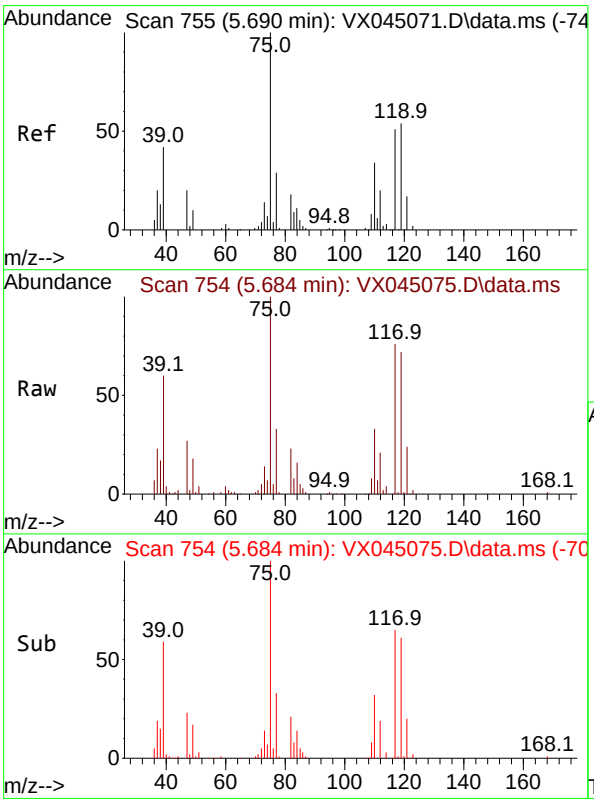
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	17.8	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

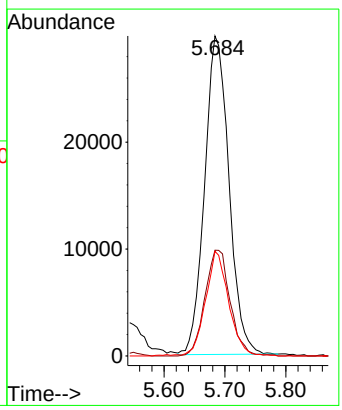
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

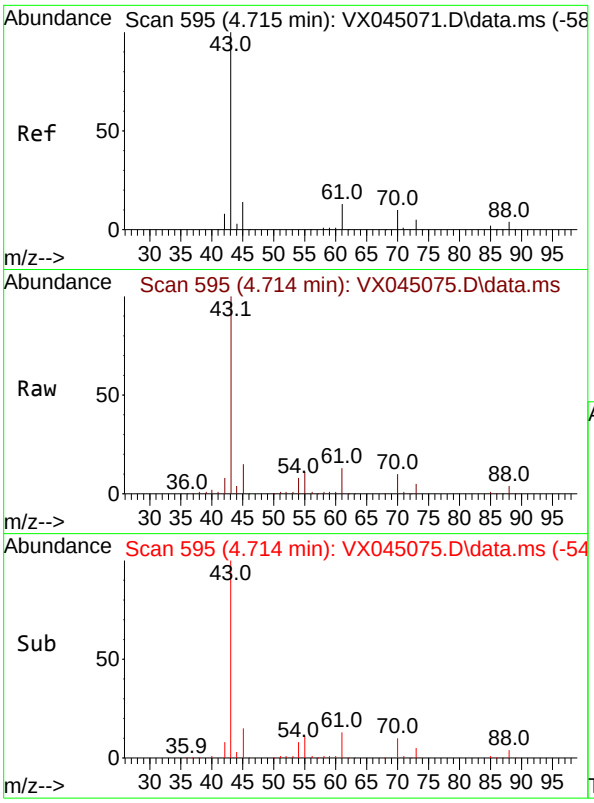


#36
1,1-Dichloropropene
Concen: 48.770 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

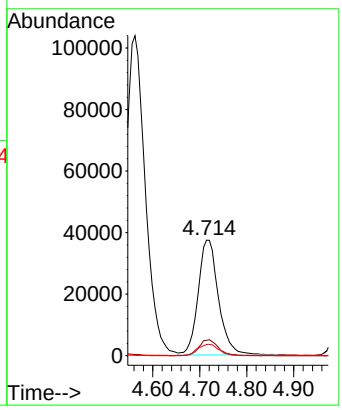




#37
Ethyl Acetate
Concen: 51.596 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 11276

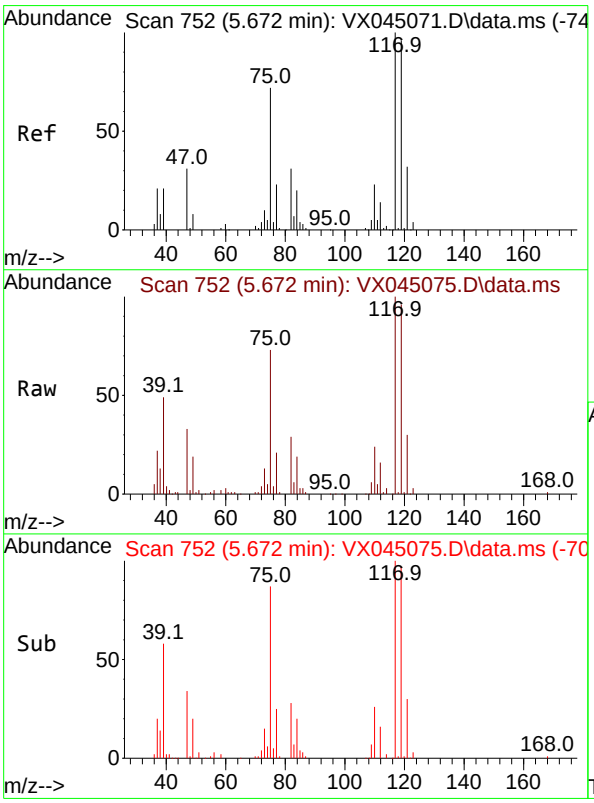
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	10.1	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

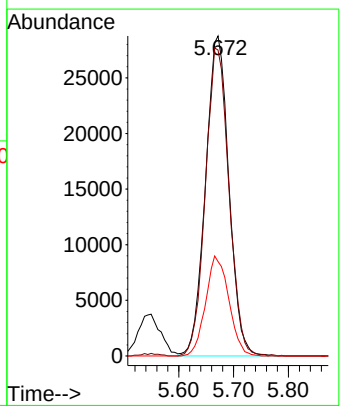
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

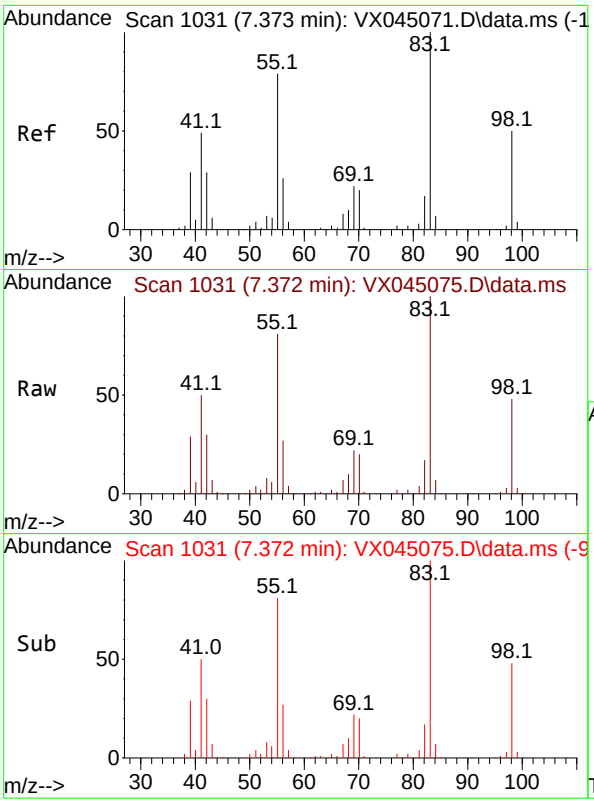


#38
Carbon Tetrachloride
Concen: 49.425 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

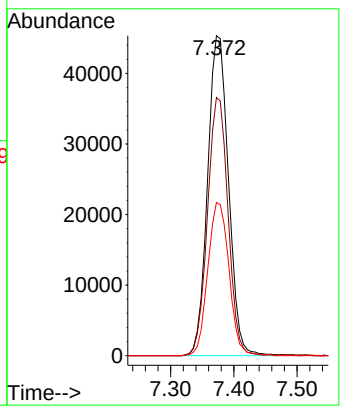




#39
Methylcyclohexane
Concen: 51.169 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 10399

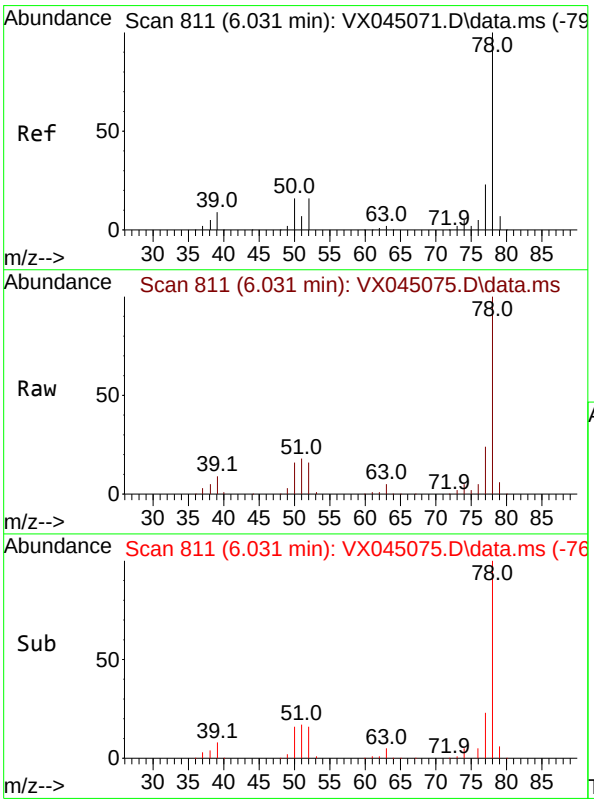
Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.0	94.4
98	47.9	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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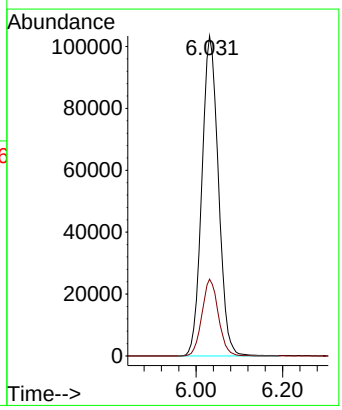
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

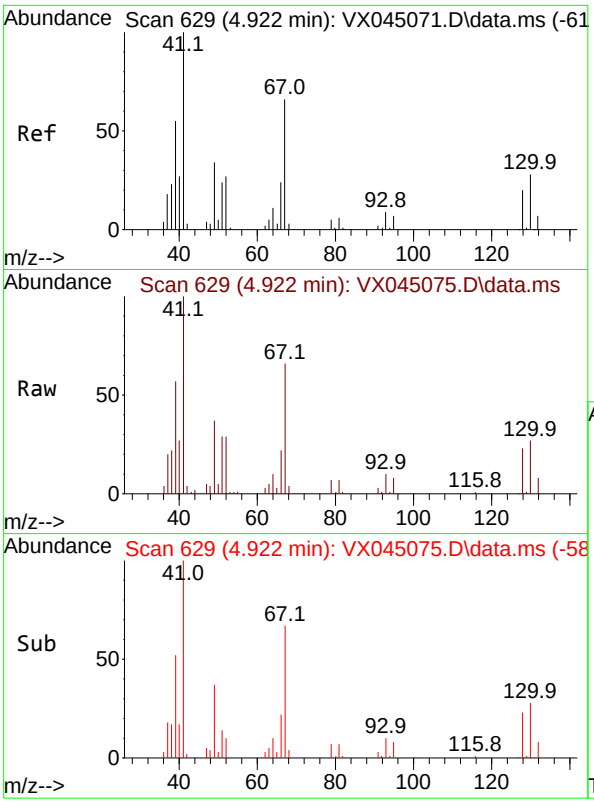


#40
Benzene
Concen: 51.195 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 78 Resp: 274206

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

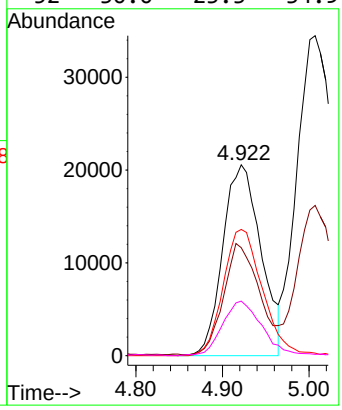




#41
Methacrylonitrile
Concen: 53.352 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 41 Resp: 6305

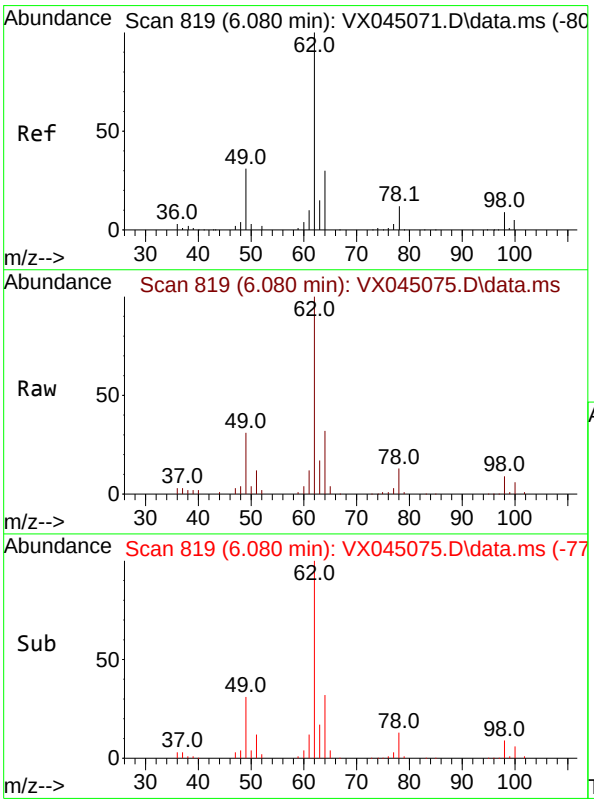
Ion	Ratio	Lower	Upper
41	100		
39	55.0	44.6	67.0
67	68.1	53.9	80.9
52	30.0	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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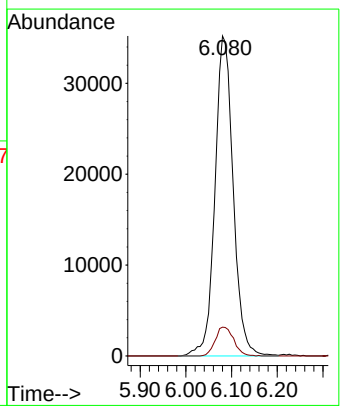
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

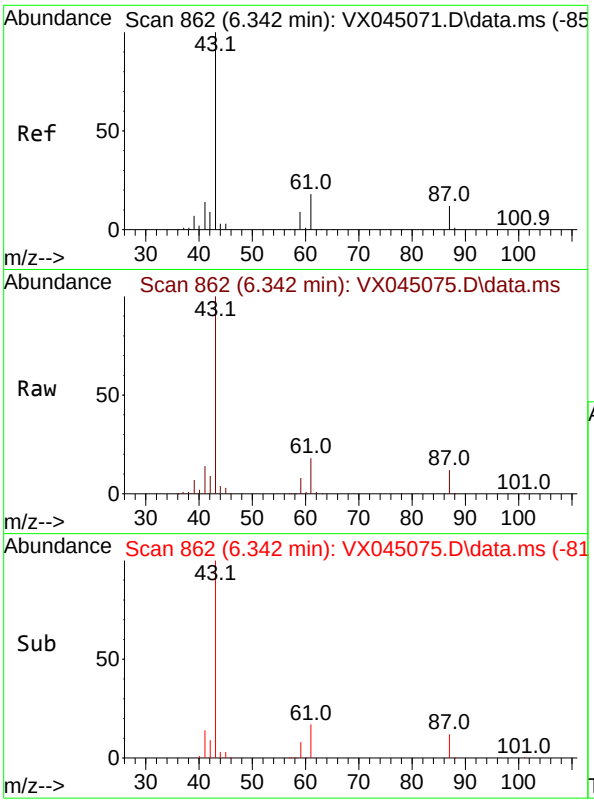


#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

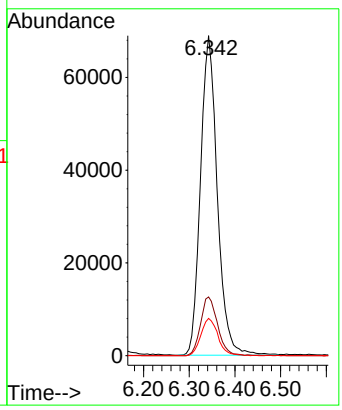
Tgt Ion: 43 Resp: 17598

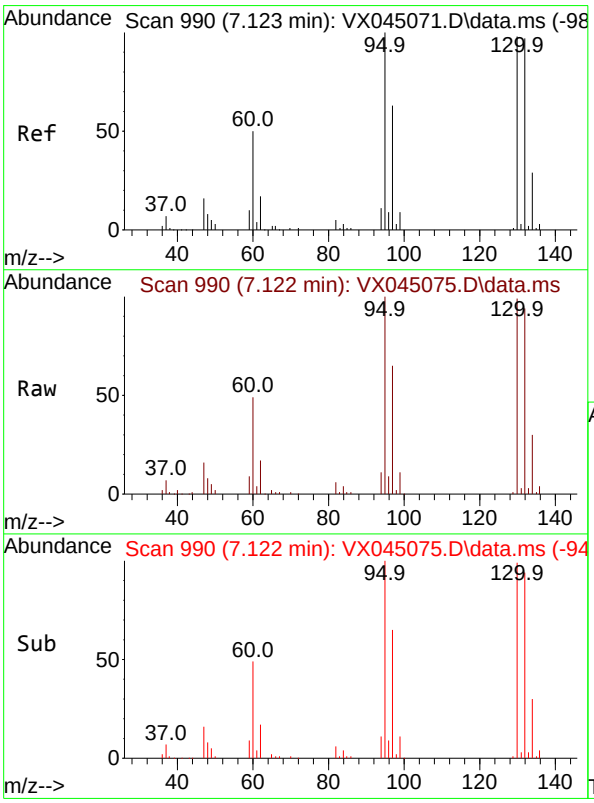
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.9	22.3
87	11.8	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

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

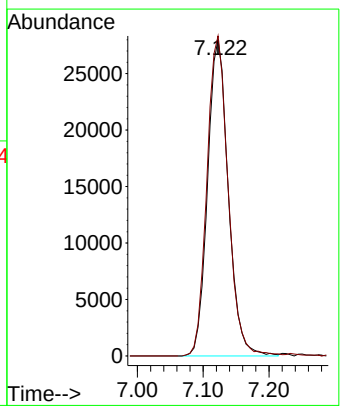


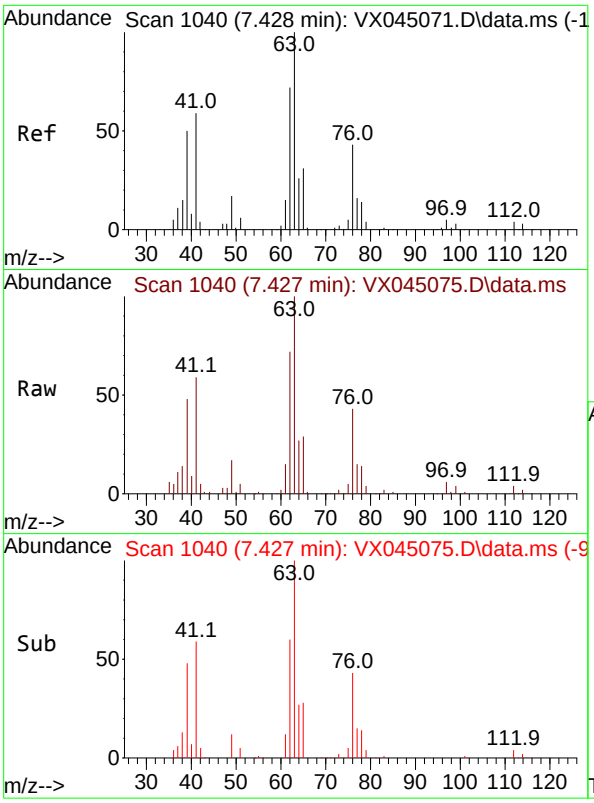


#44
Trichloroethene
Concen: 48.924 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

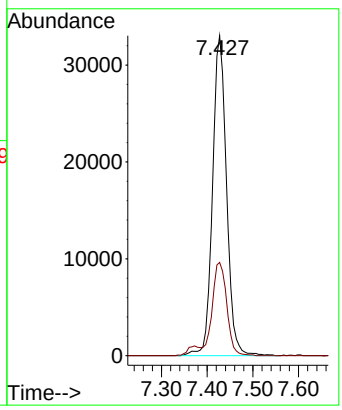
Tgt Ion: 63 Resp: 7035

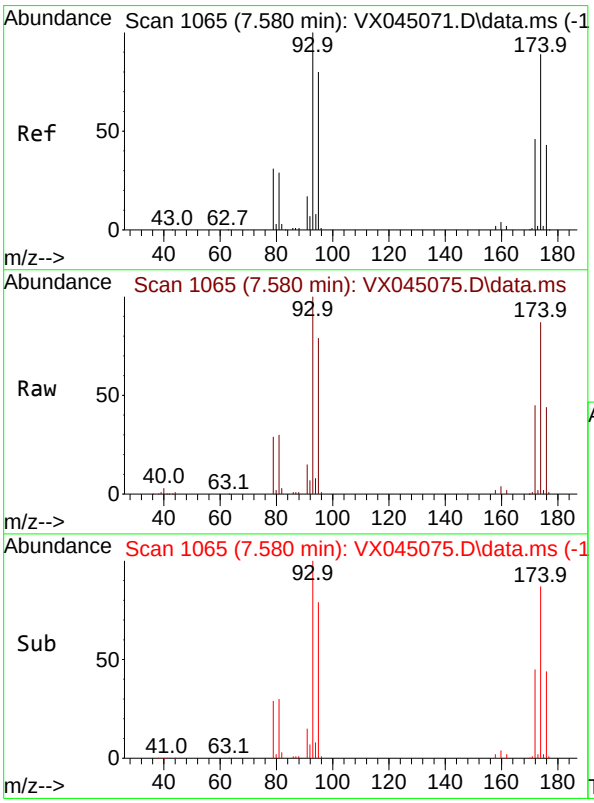
Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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

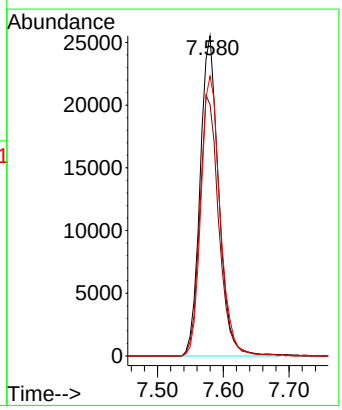


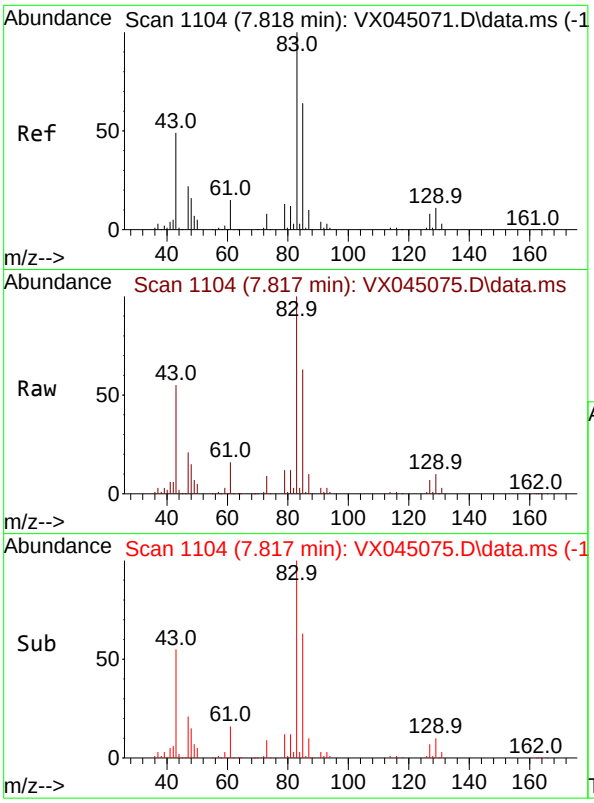


#46
Dibromomethane
Concen: 51.661 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

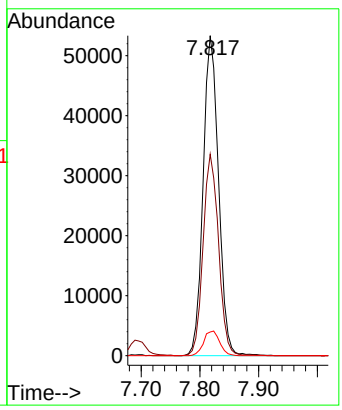




#47
Bromodichloromethane
Concen: 50.930 ug/l
RT: 7.817 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 9723

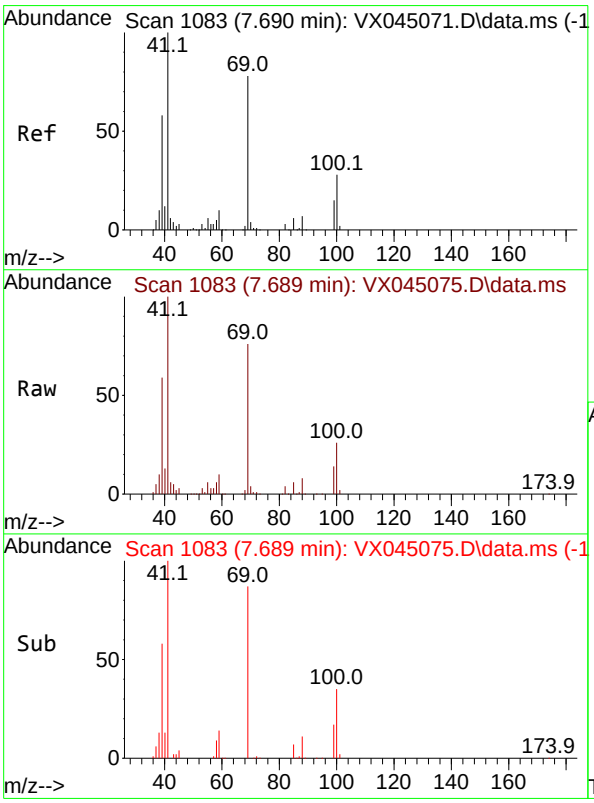
Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.1	76.7
127	7.4	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

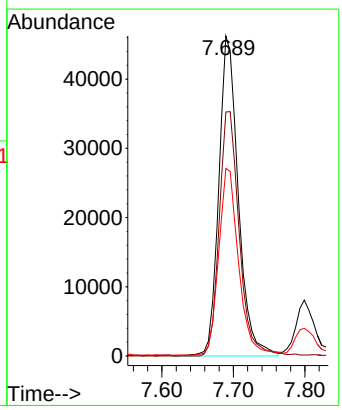
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

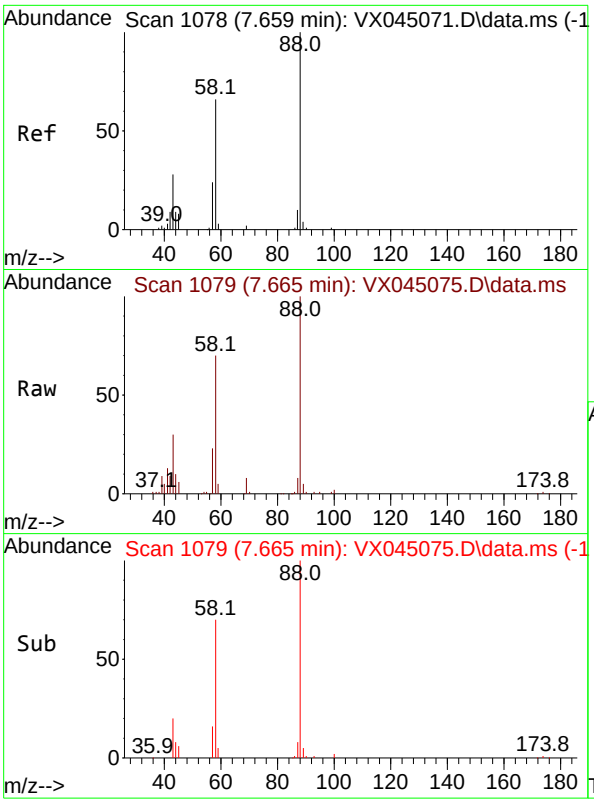


#48
Methyl methacrylate
Concen: 54.016 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

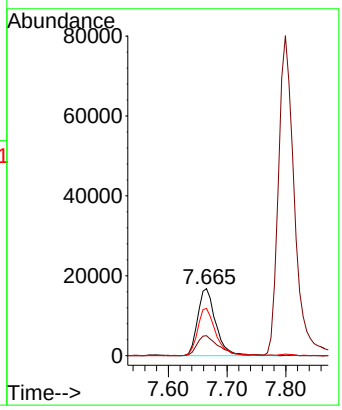
Tgt Ion: 88 Resp: 3587

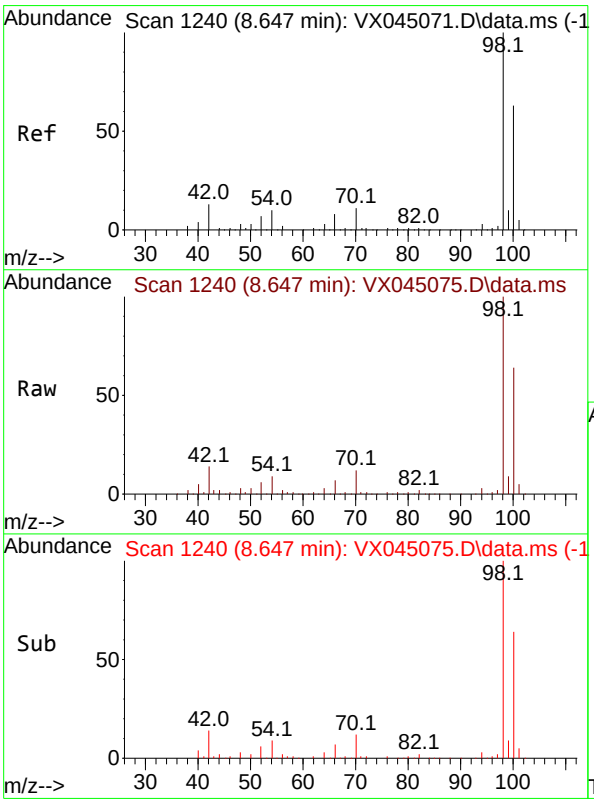
Ion	Ratio	Lower	Upper
88	100		
43	34.3	28.7	43.1
58	70.8	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

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

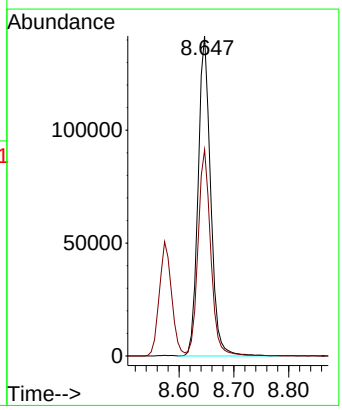


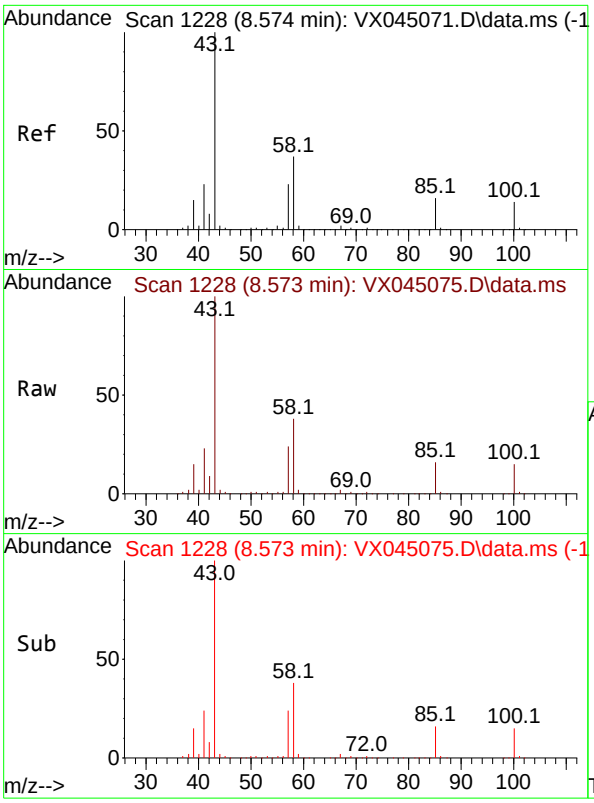


#50
Toluene-d8
Concen: 50.364 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

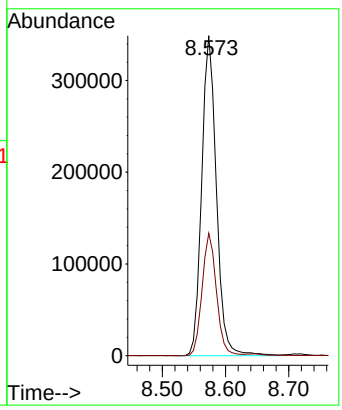
Tgt Ion: 43 Resp: 56419

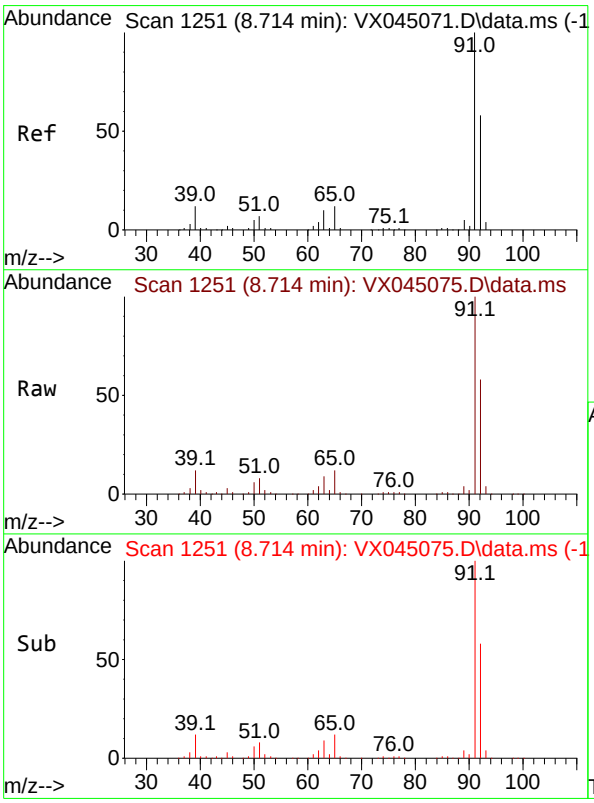
Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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

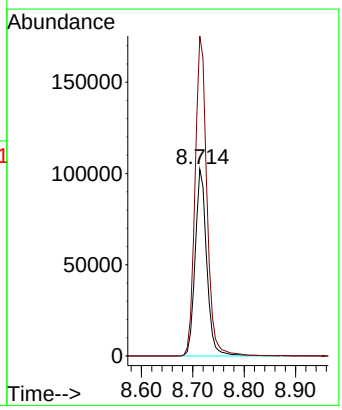


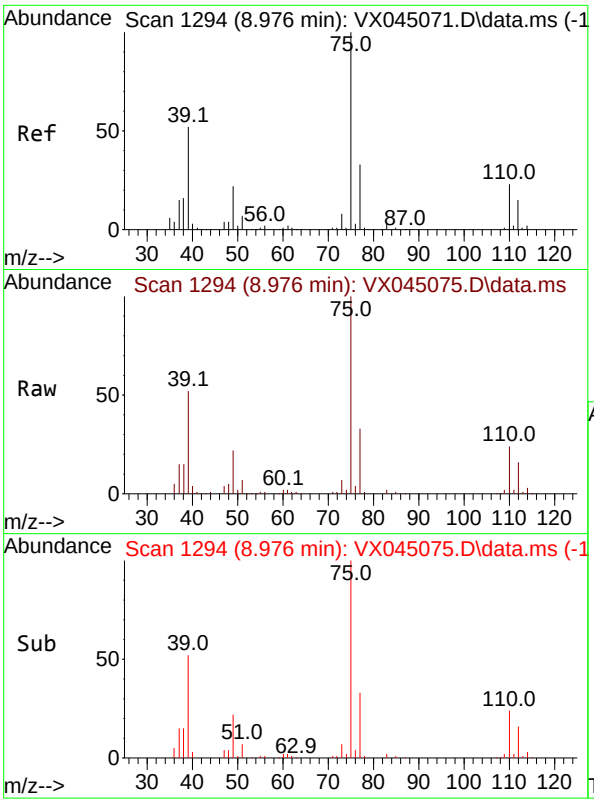


#52
Toluene
Concen: 51.020 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 92 Resp: 160331

Ion	Ratio	Lower	Upper
92	100		
91	175.1	138.9	208.3

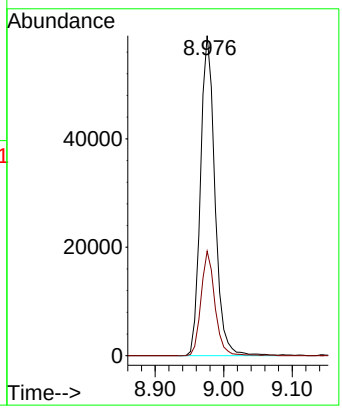




#53
t-1,3-Dichloropropene
Concen: 54.247 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 8658

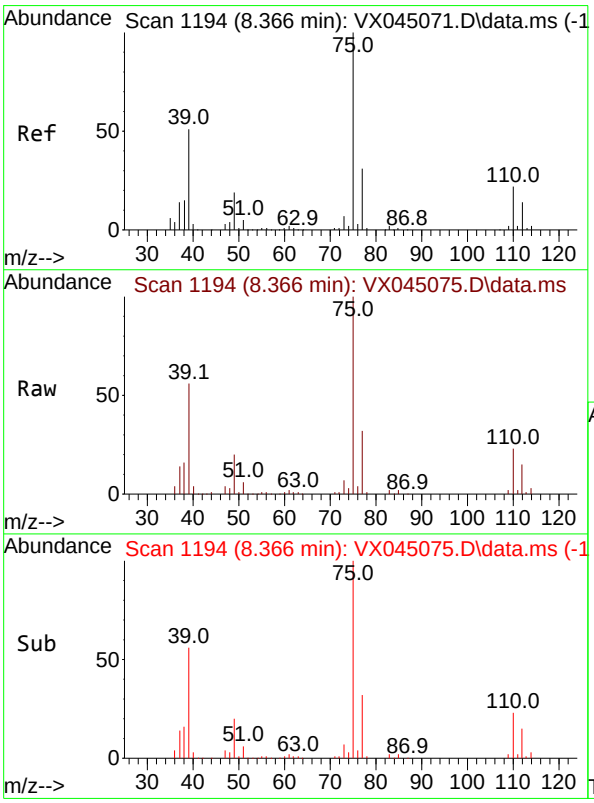
Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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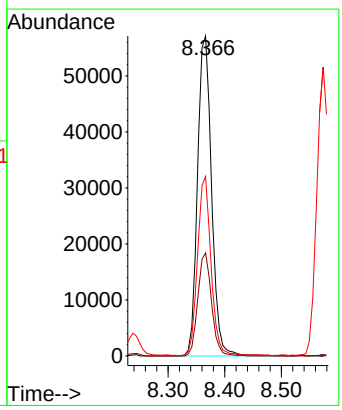
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

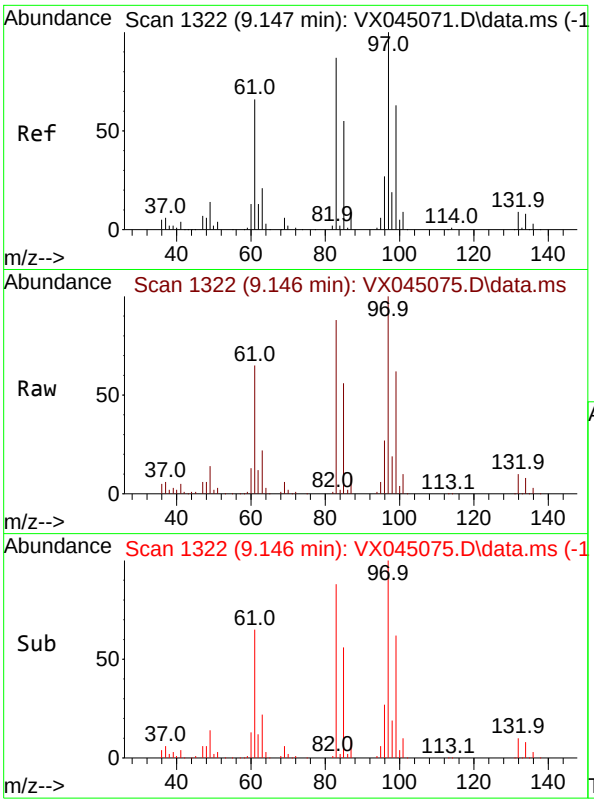


#54
cis-1,3-Dichloropropene
Concen: 52.732 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

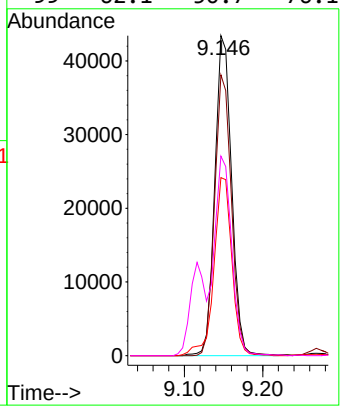




#55
1,1,2-Trichloroethane
Concen: 50.232 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 97 Resp: 6498

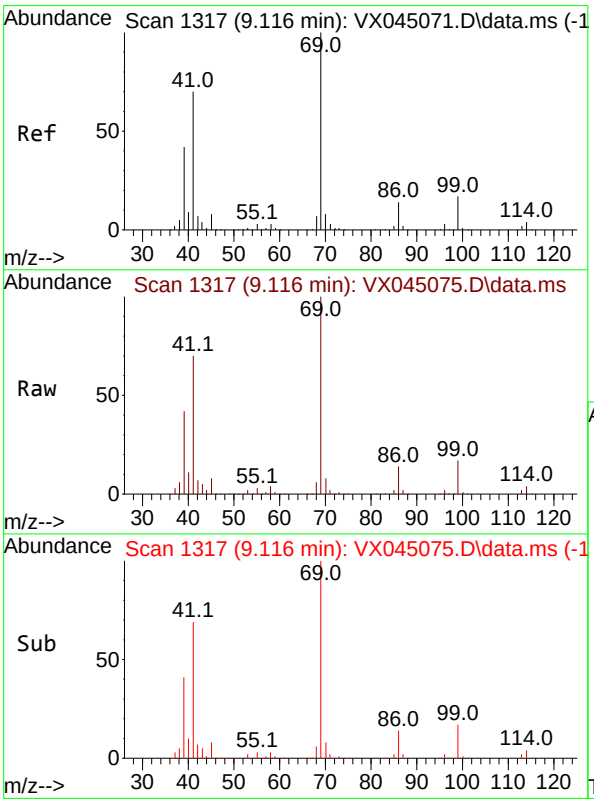
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.4	104.2
85	55.6	44.1	66.1
99	62.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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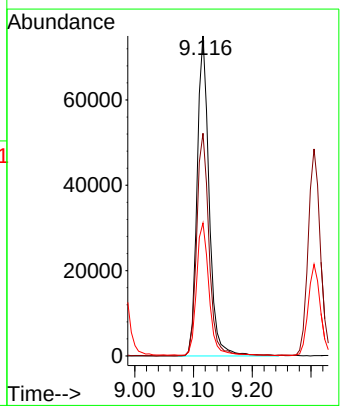
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

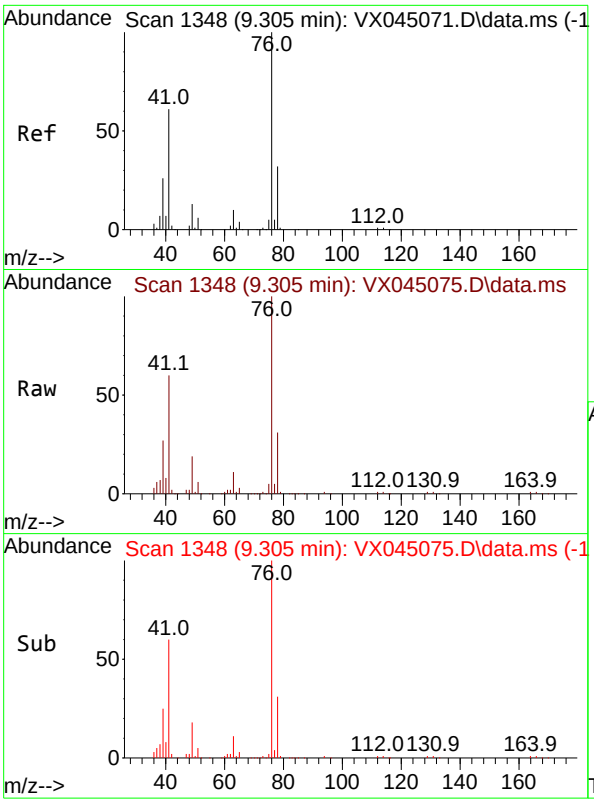


#56
Ethyl methacrylate
Concen: 54.109 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

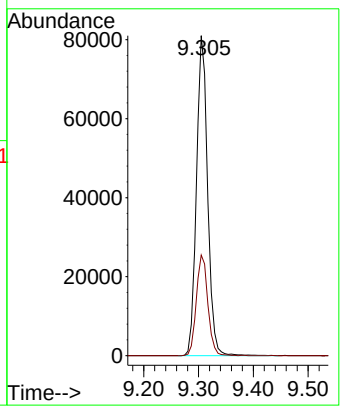
Tgt Ion: 76 Resp: 11488

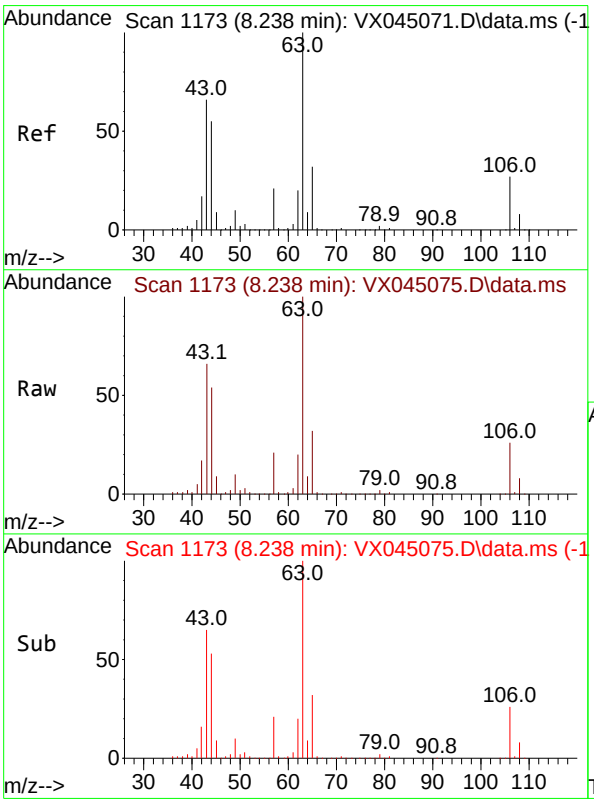
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

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

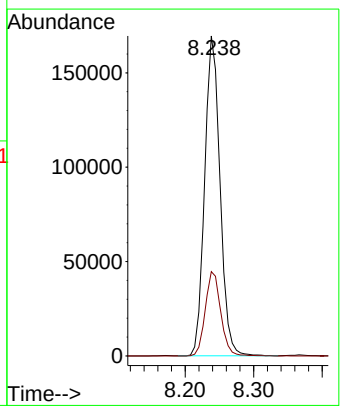


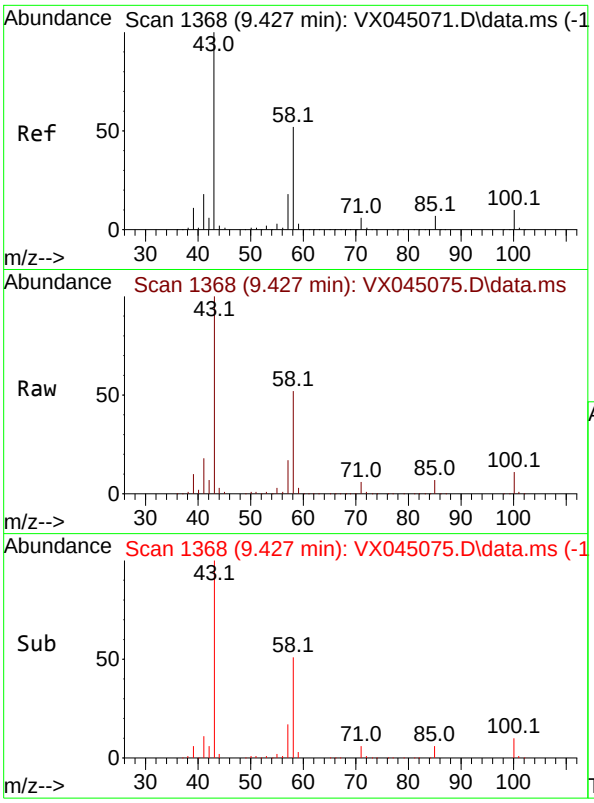


#58
2-Chloroethyl Vinyl ether
Concen: 275.557 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

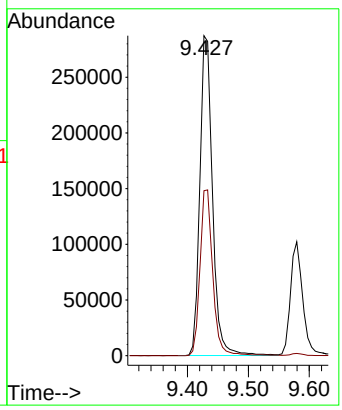
Tgt Ion: 43 Resp: 41673

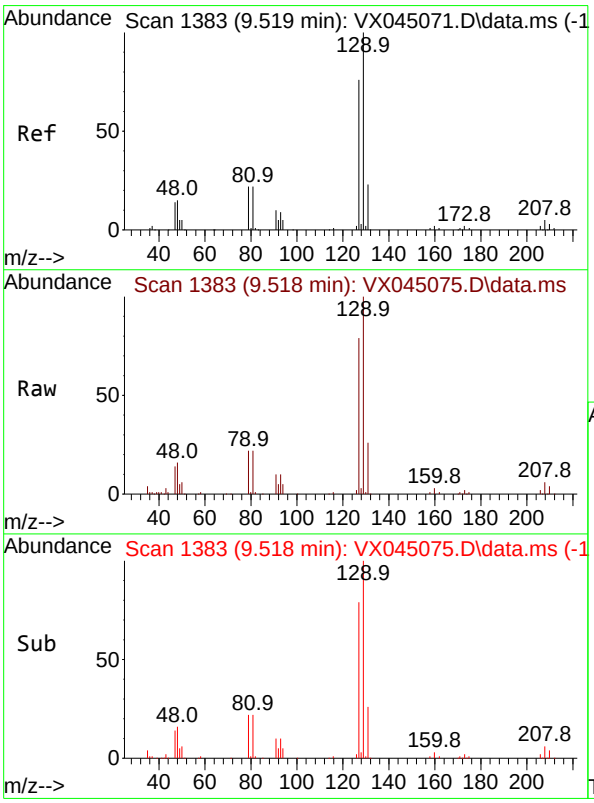
Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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

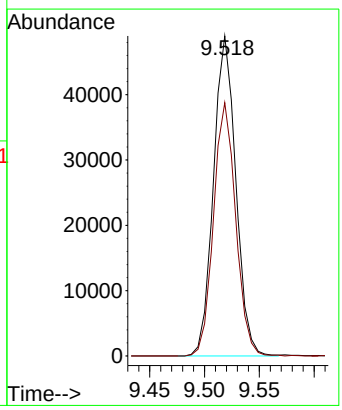


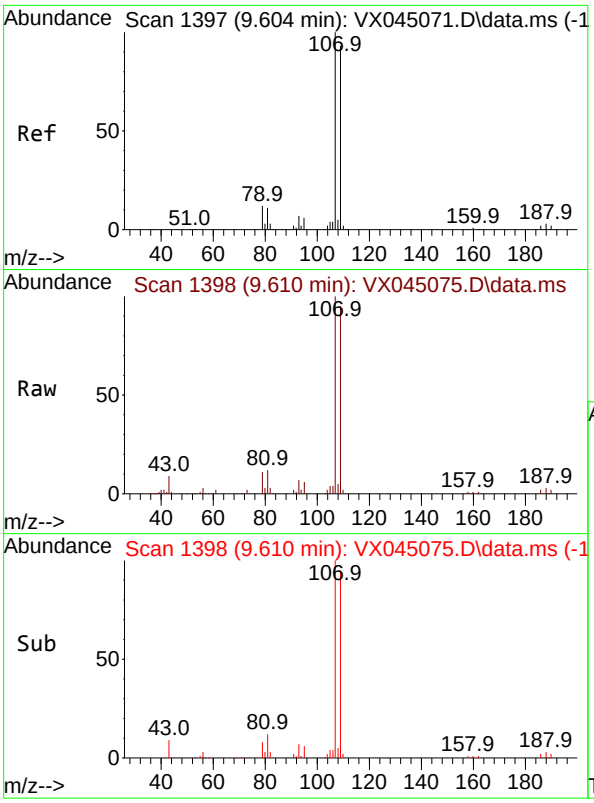


#60
Dibromochloromethane
Concen: 51.374 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

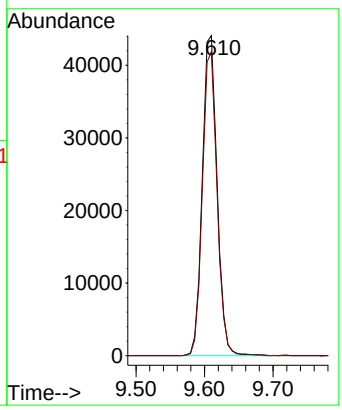
Tgt Ion:107 Resp: 6650

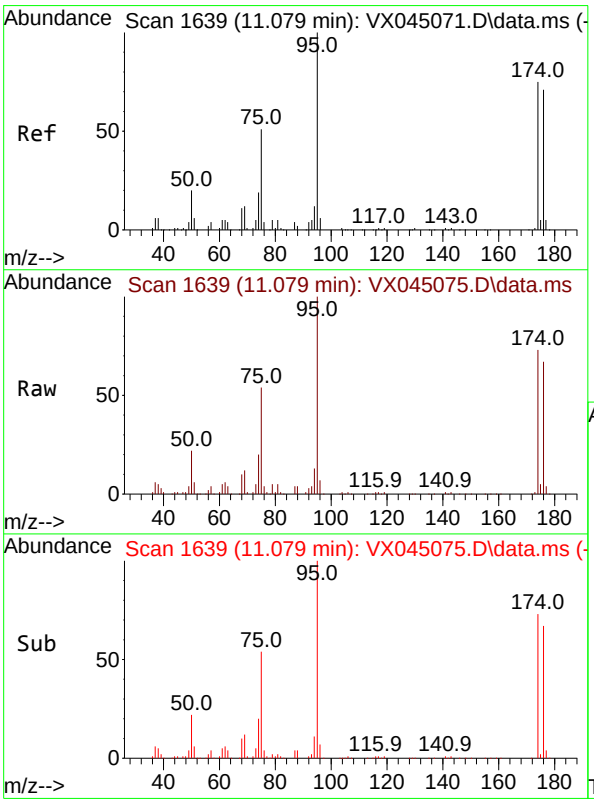
Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

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

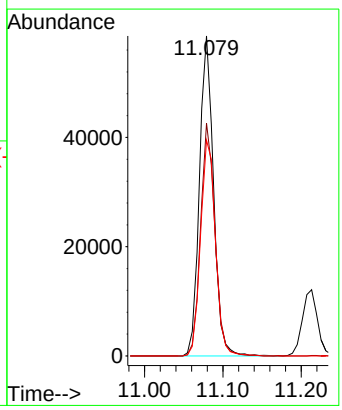


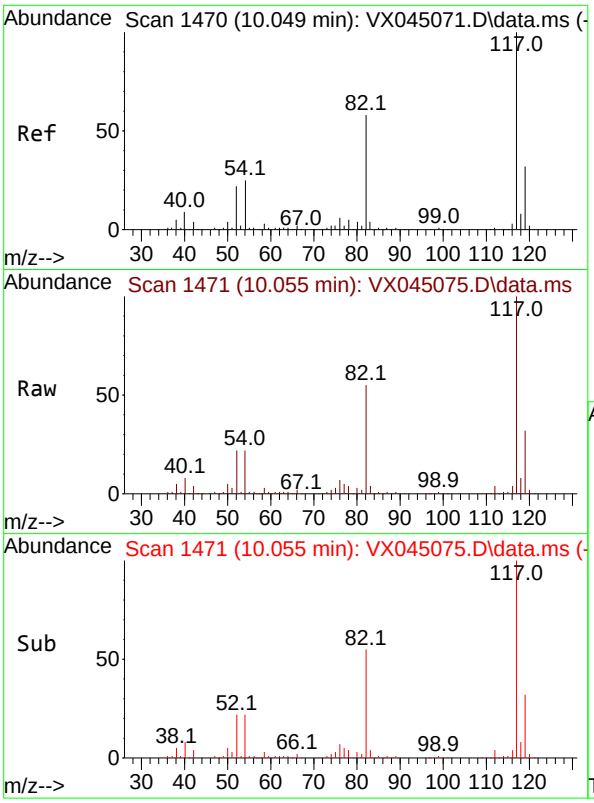


#62
4-Bromofluorobenzene
Concen: 49.240 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

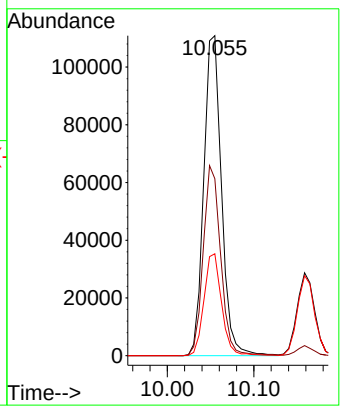
Tgt Ion:117 Resp: 15779

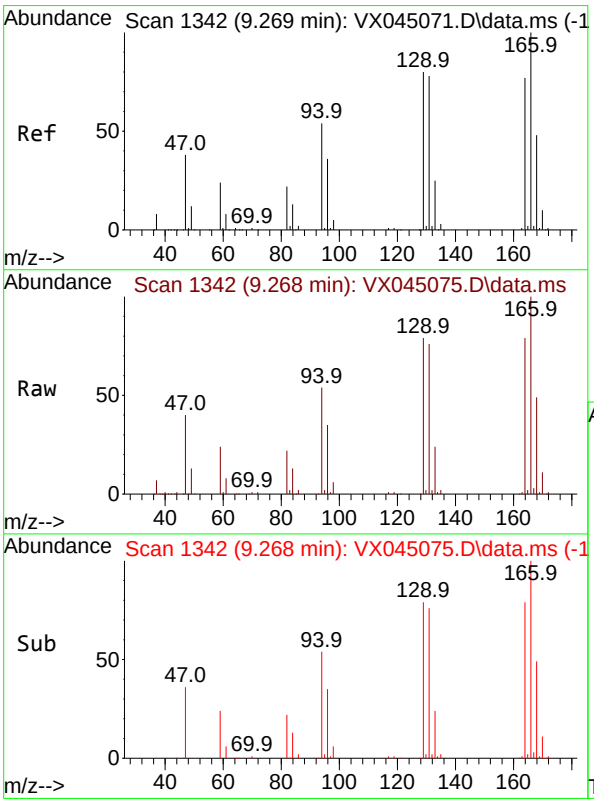
Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.3	69.5
119	31.9	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

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

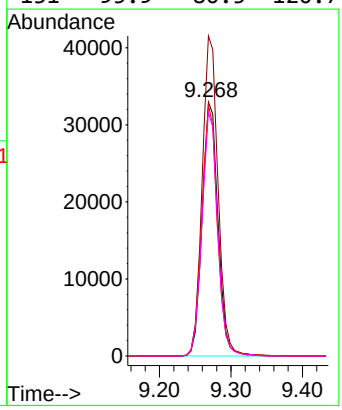


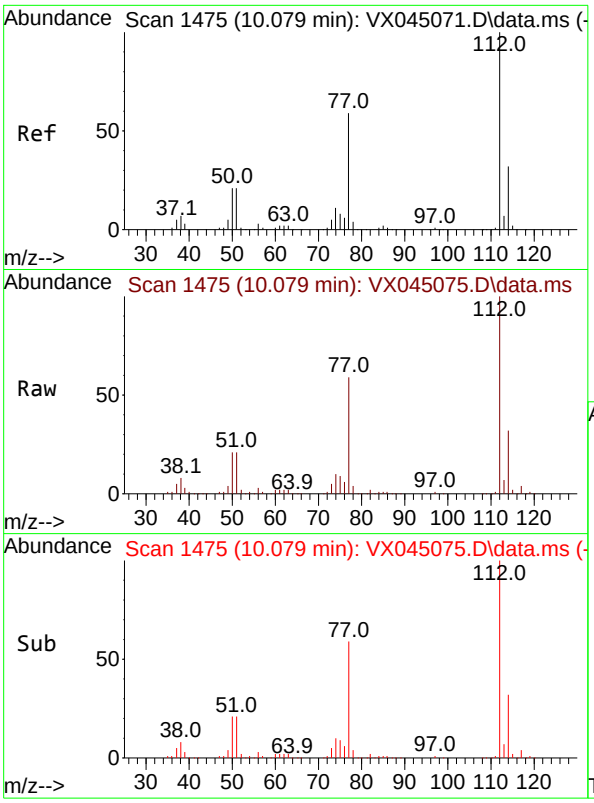


#64
Tetrachloroethene
Concen: 50.126 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

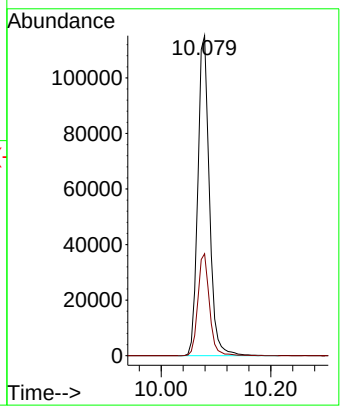




#65
Chlorobenzene
Concen: 50.580 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:112 Resp: 16888

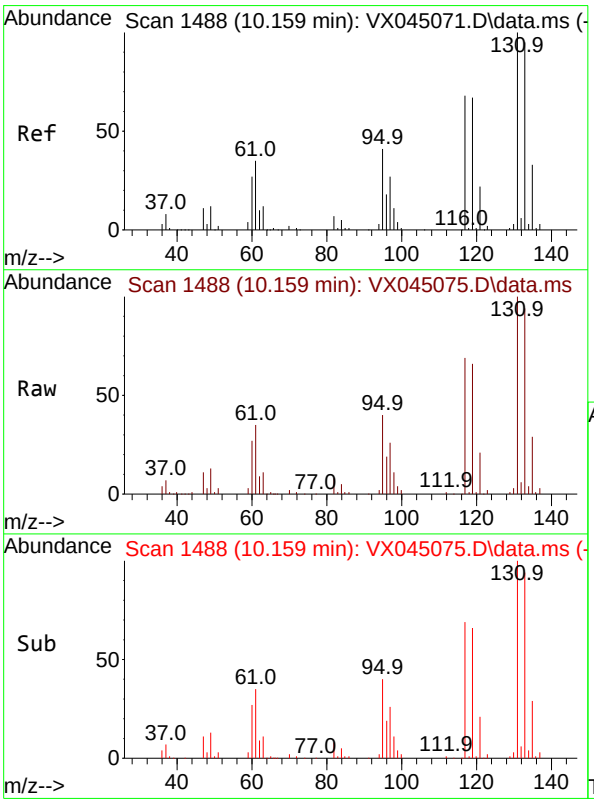
Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

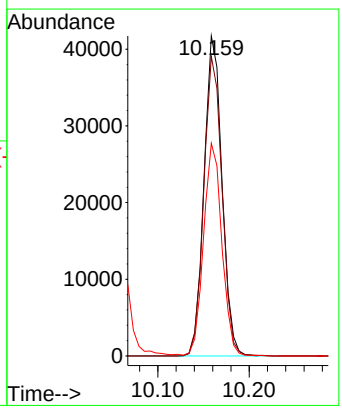
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

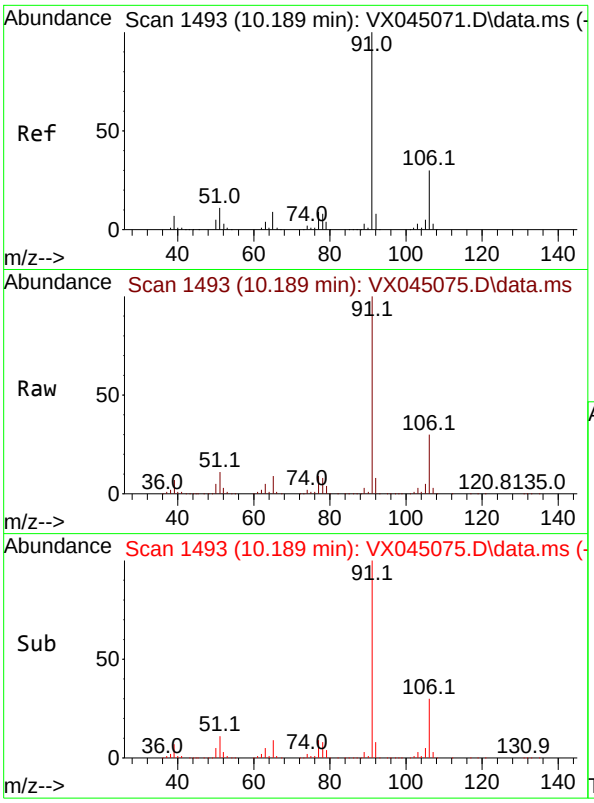


#66
1,1,1,2-Tetrachloroethane
Concen: 51.102 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

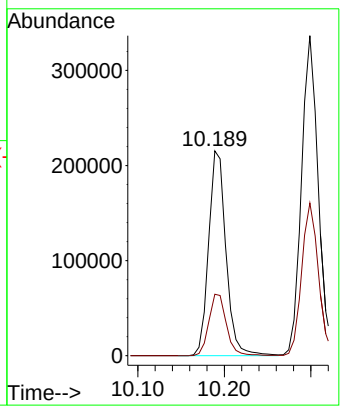
Tgt Ion: 91 Resp: 30032

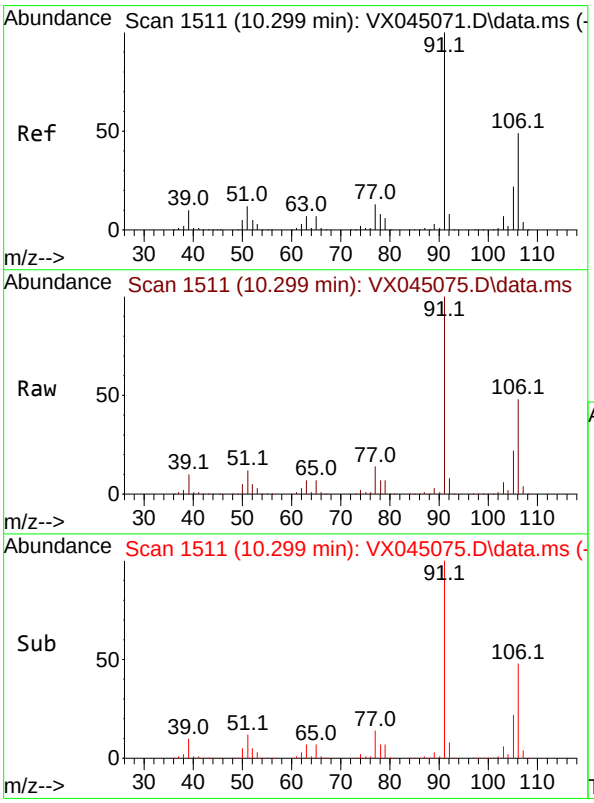
Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

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

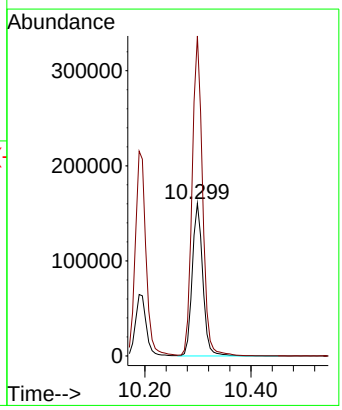


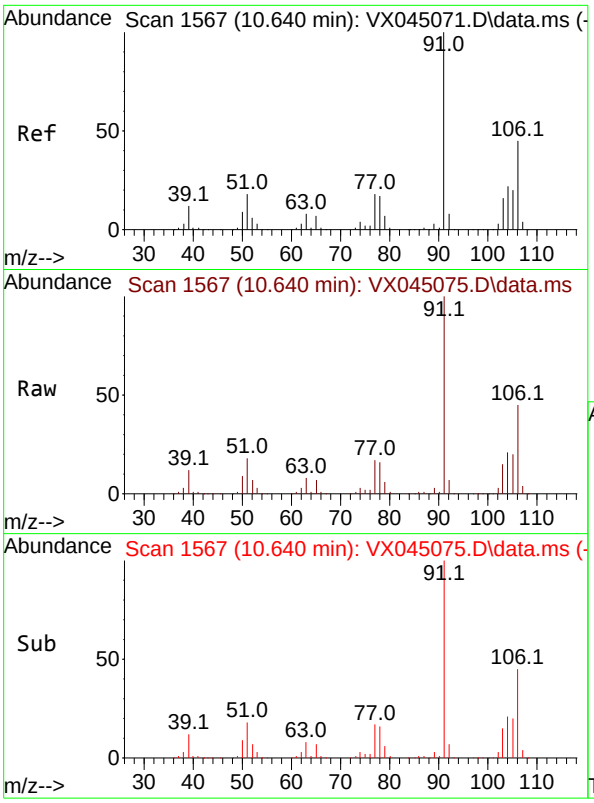


#68
m/p-Xylenes
Concen: 103.454 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

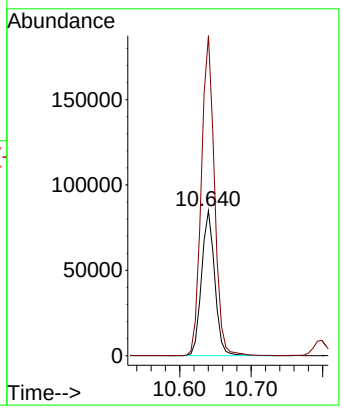
Tgt Ion:106 Resp: 10883

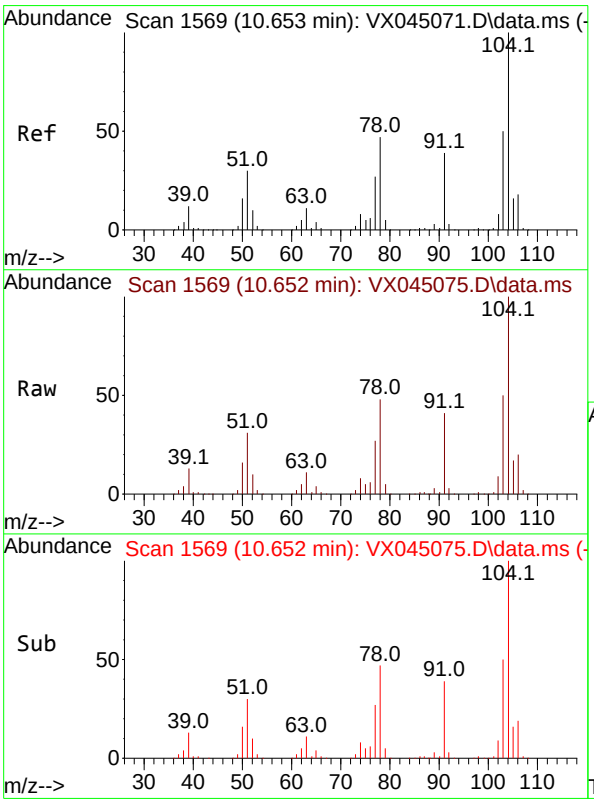
Ion	Ratio	Lower	Upper
106	100		
91	220.5	109.9	329.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

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

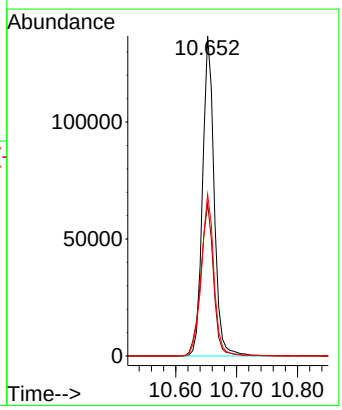


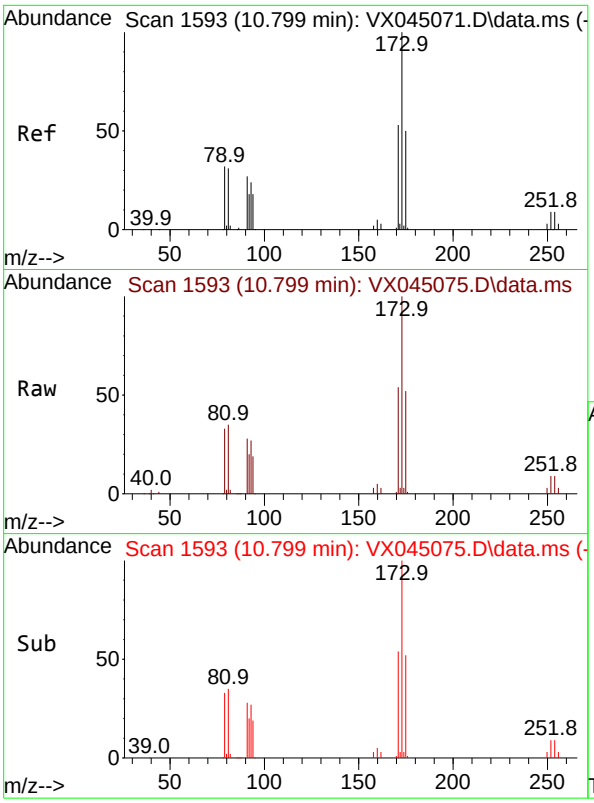


#70
Styrene
Concen: 52.177 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

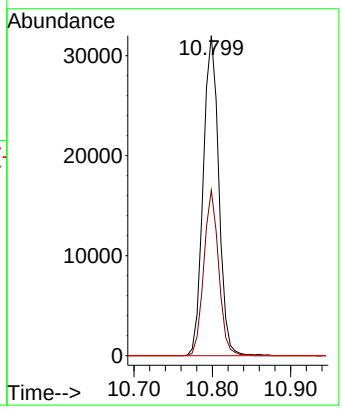




#71
Bromoform
Concen: 52.636 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:173 Resp: 4413

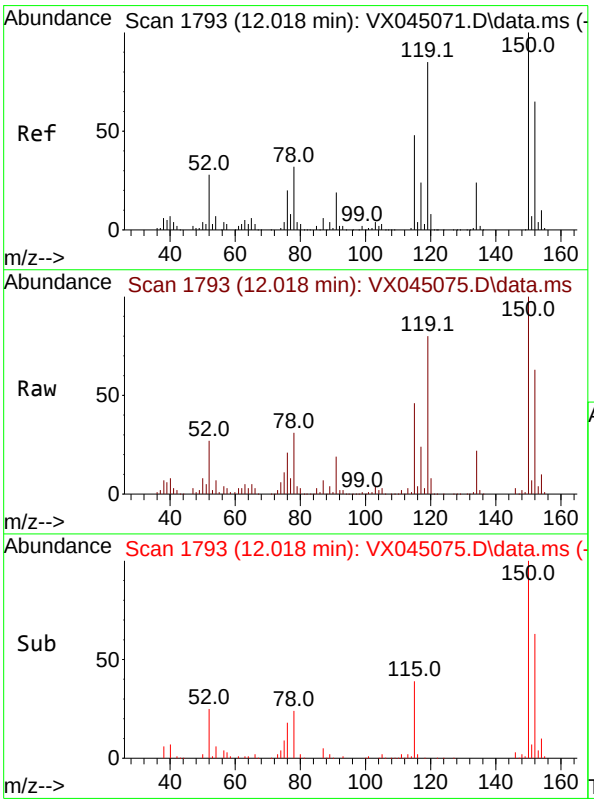
Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

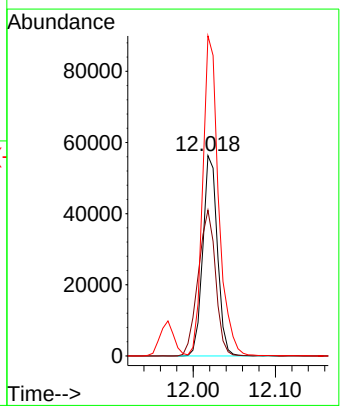
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

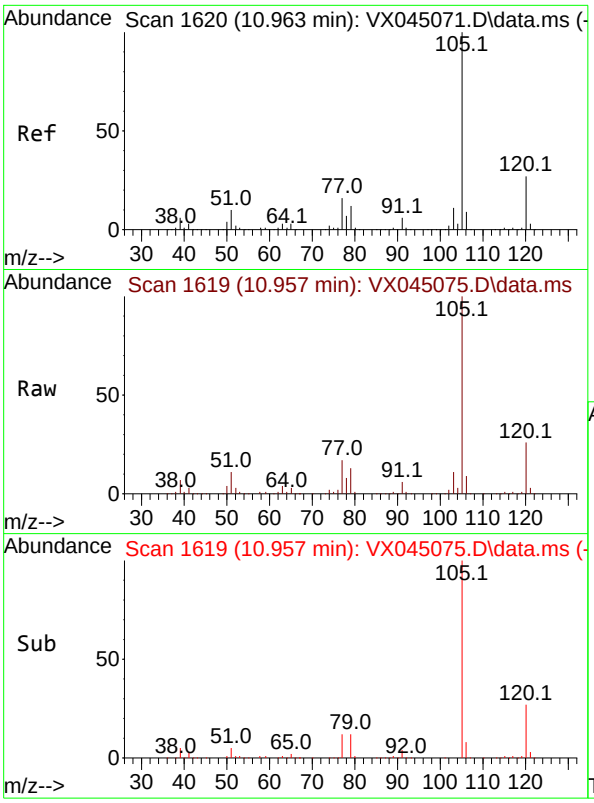


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

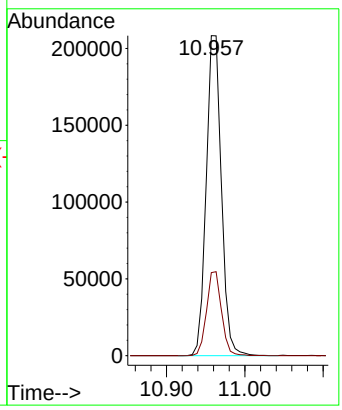




#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 27927

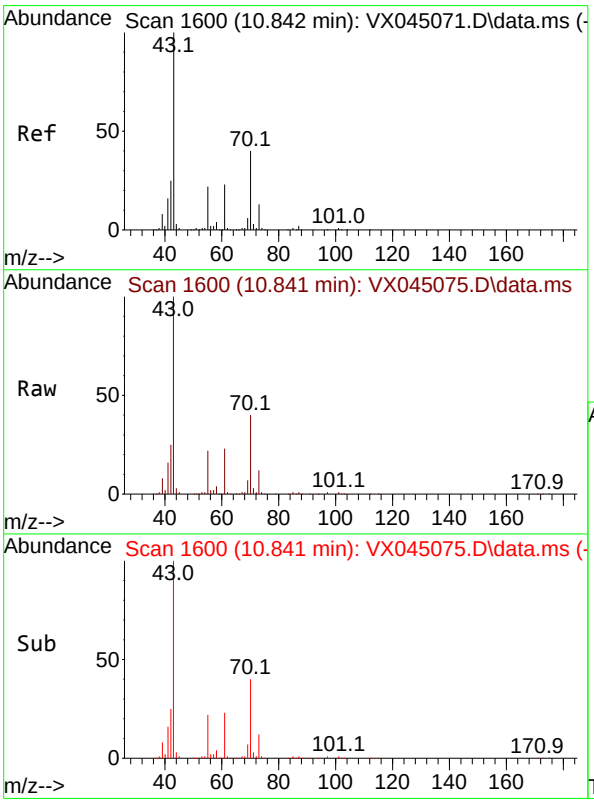
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

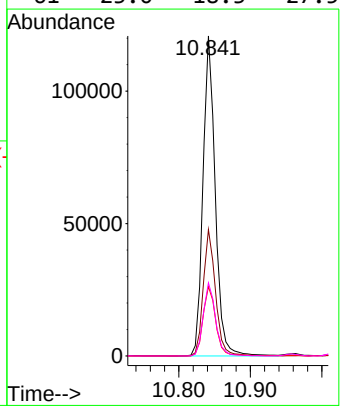
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

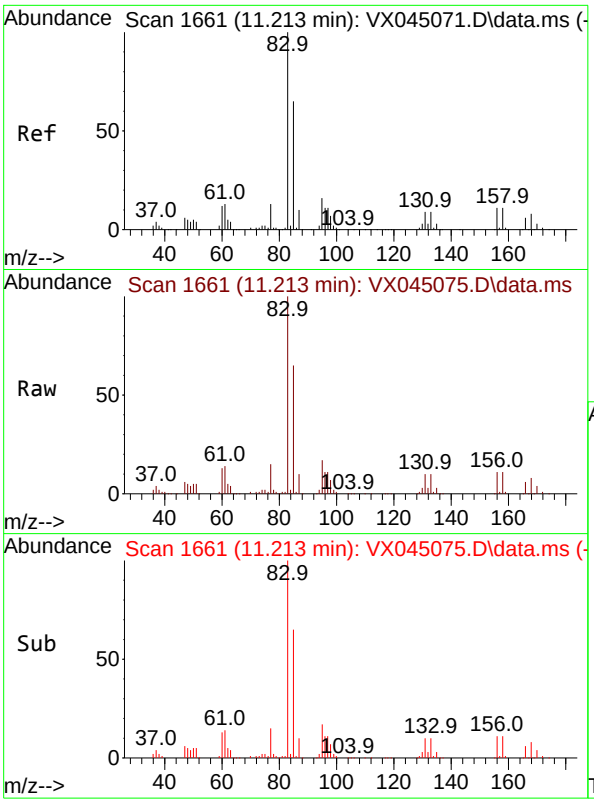


#74
N-amyl acetate
Concen: 56.851 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

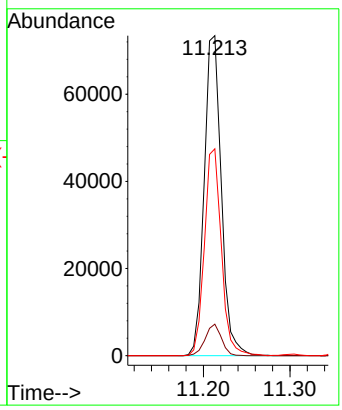




#75
1,1,2,2-Tetrachloroethane
Concen: 50.741 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 10080

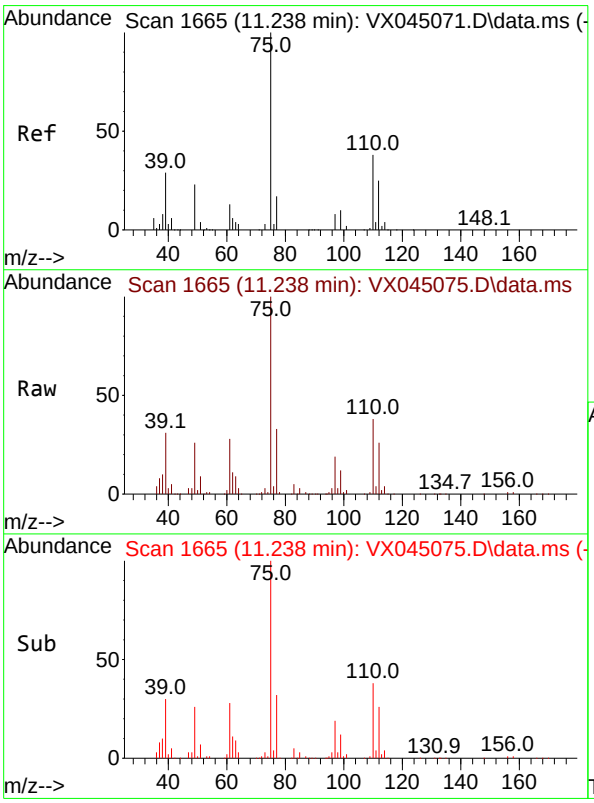
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.0	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

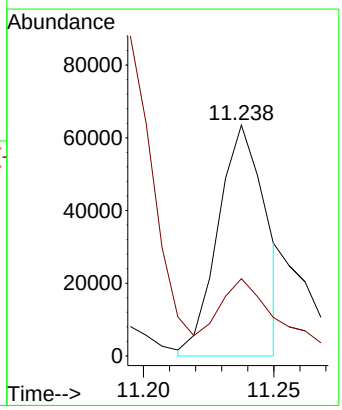
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

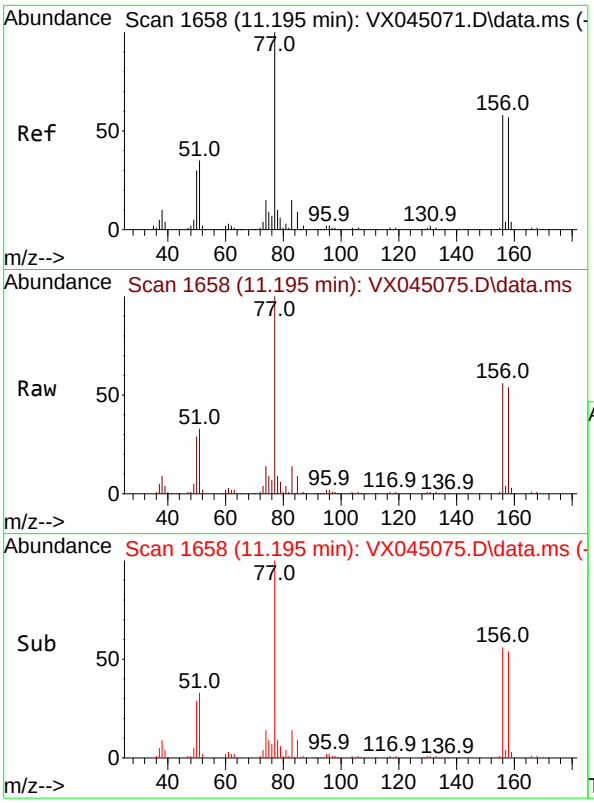


#76
1,2,3-Trichloropropane
Concen: 49.940 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 80618

Ion	Ratio	Lower	Upper
75	100		
77	42.5	20.7	62.1

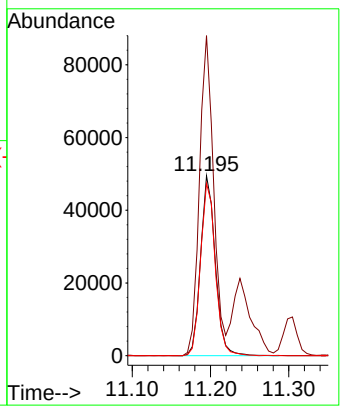




#77
Bromobenzene
Concen: 50.360 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:156 Resp: 6432

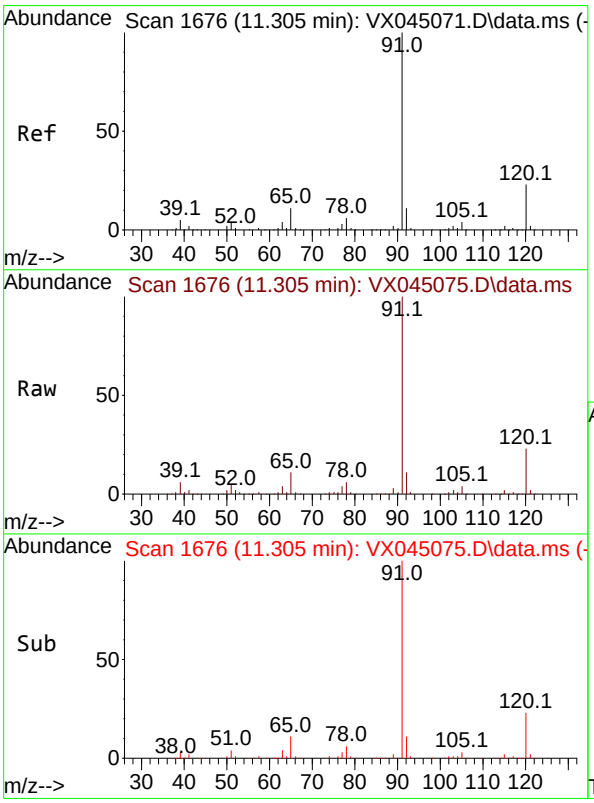
Ion	Ratio	Lower	Upper
156	100		
77	172.1	85.8	257.4
158	96.5	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

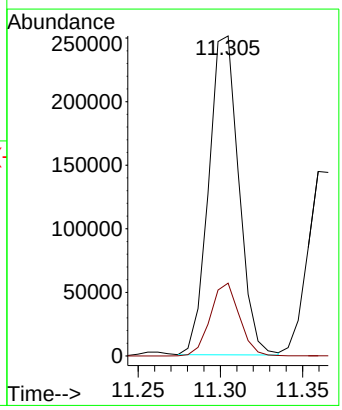
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

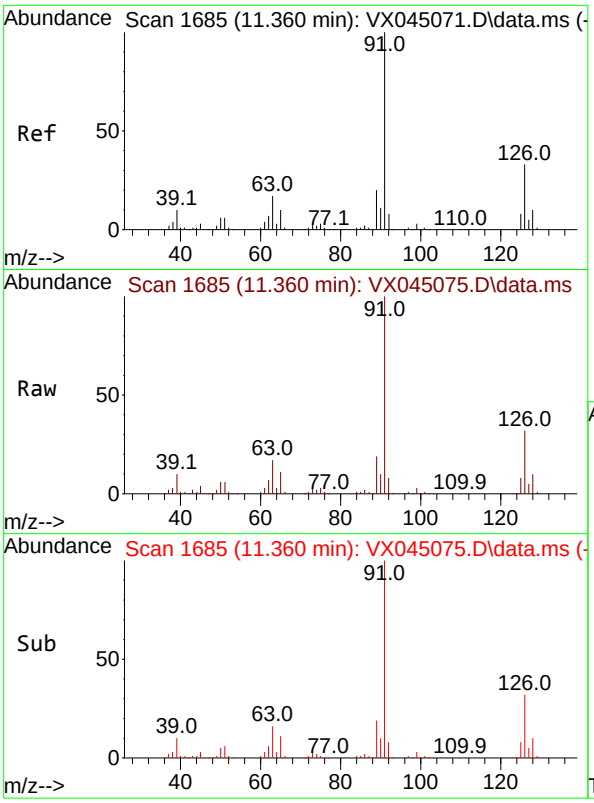


#78
n-propylbenzene
Concen: 52.203 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

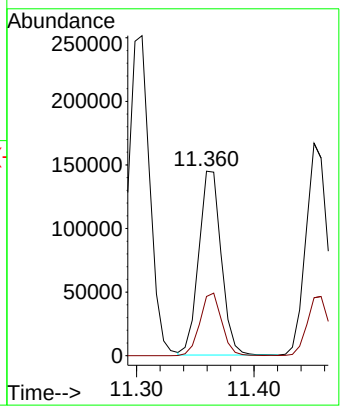
Tgt Ion: 91 Resp: 19215

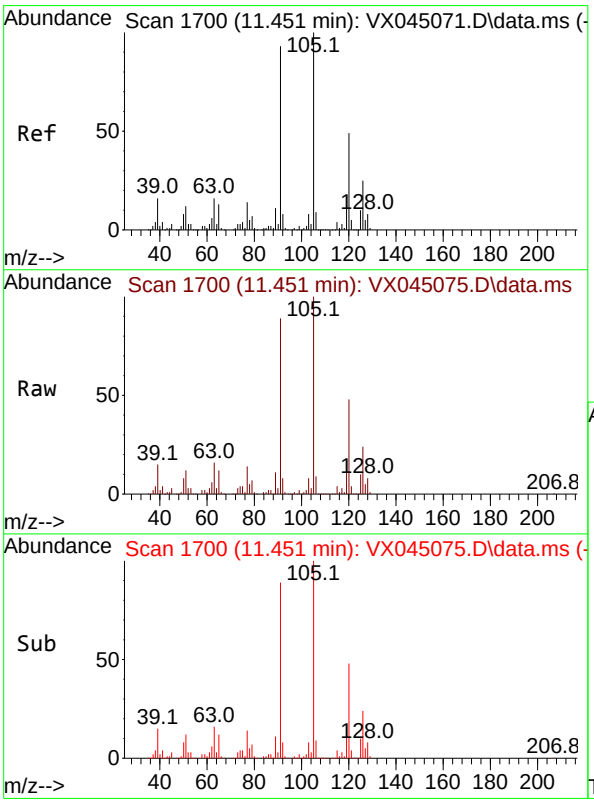
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

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

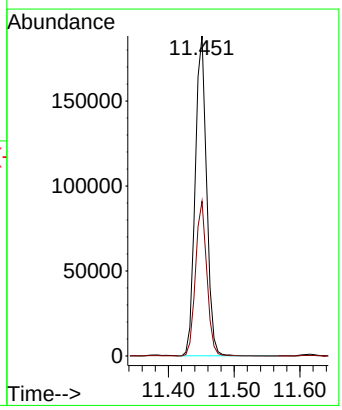


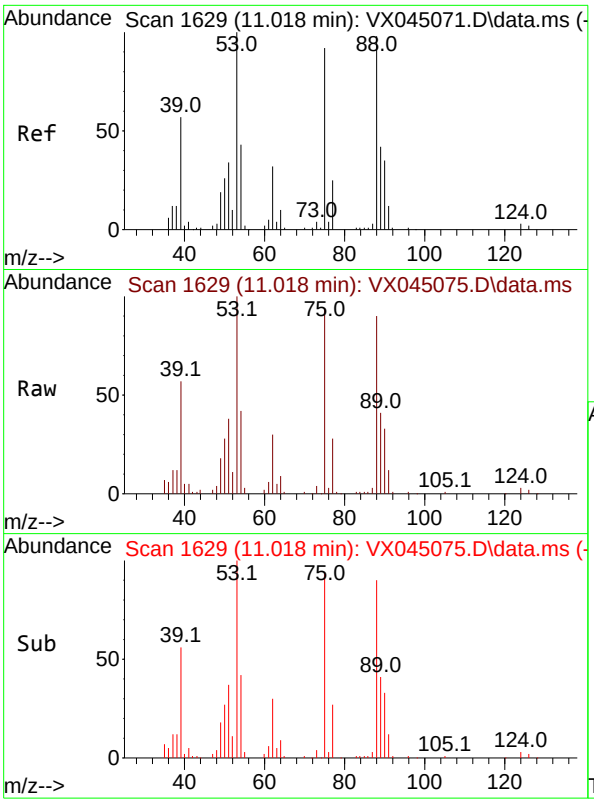


#80
1,3,5-Trimethylbenzene
Concen: 51.544 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

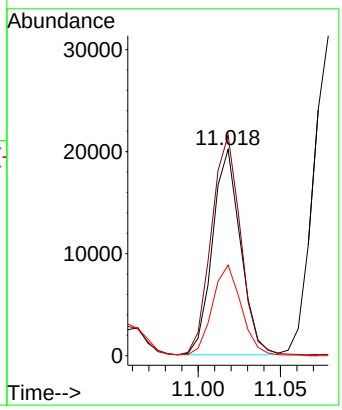
Tgt Ion: 75 Resp: 2394

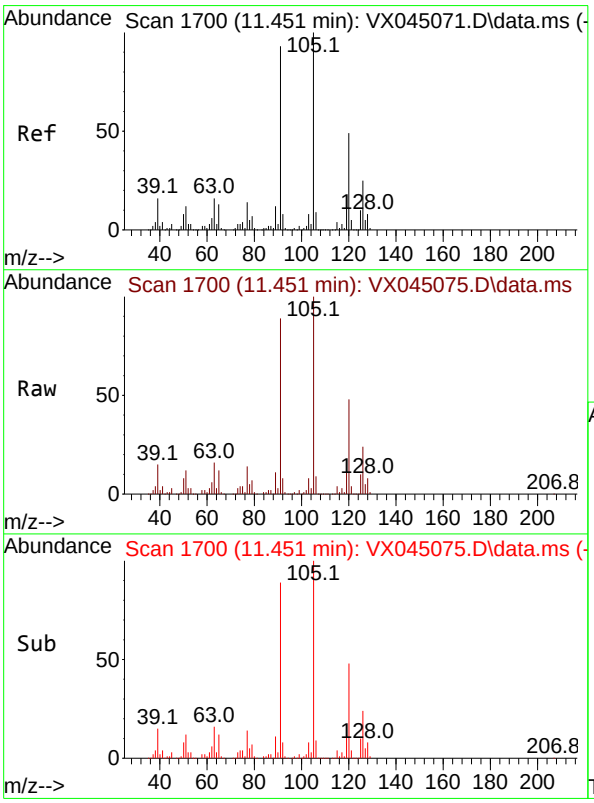
Ion	Ratio	Lower	Upper
75	100		
53	111.4	88.5	132.7
89	45.8	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

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

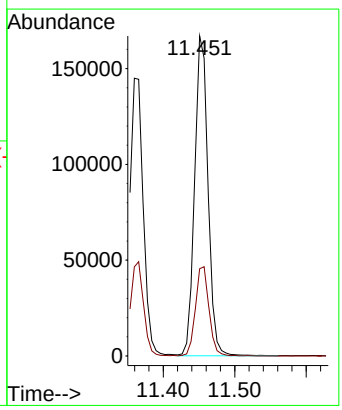


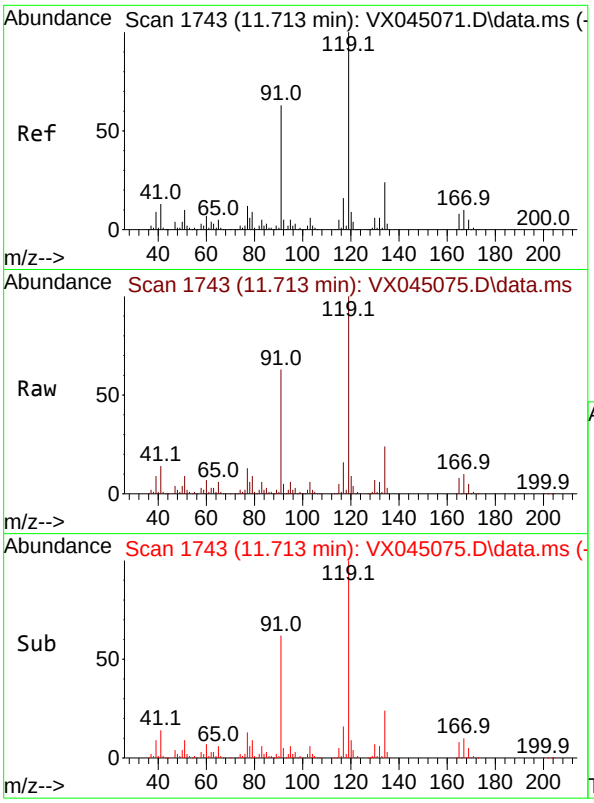


#82
4-Chlorotoluene
Concen: 51.009 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 216511

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4

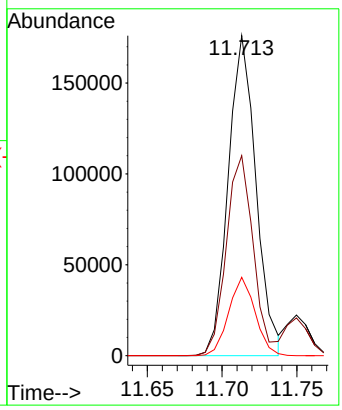




#83
tert-Butylbenzene
Concen: 50.552 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:119 Resp: 22735

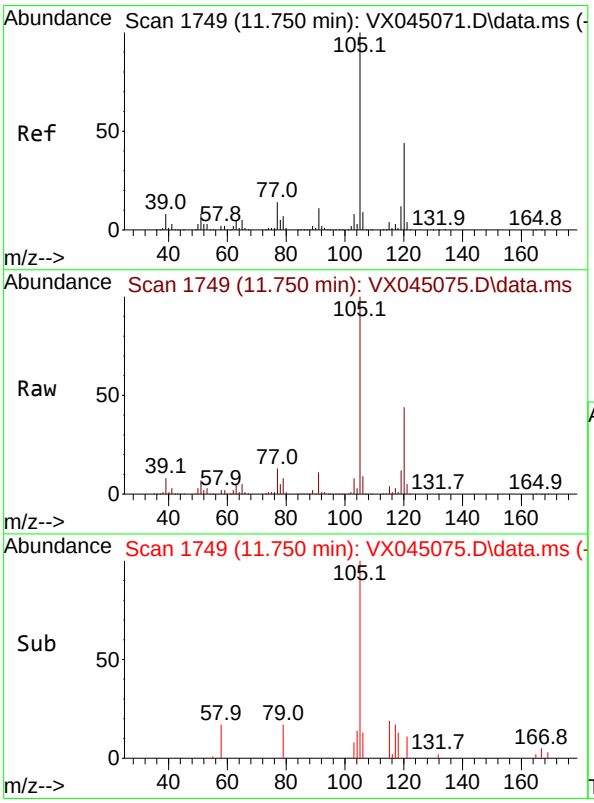
Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.7	92.1
134	23.4	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

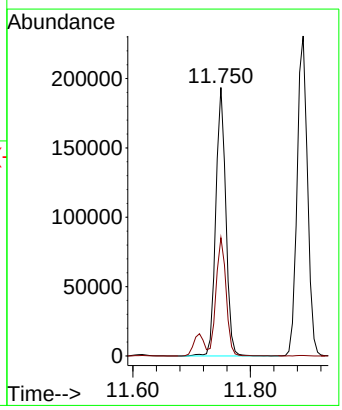
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

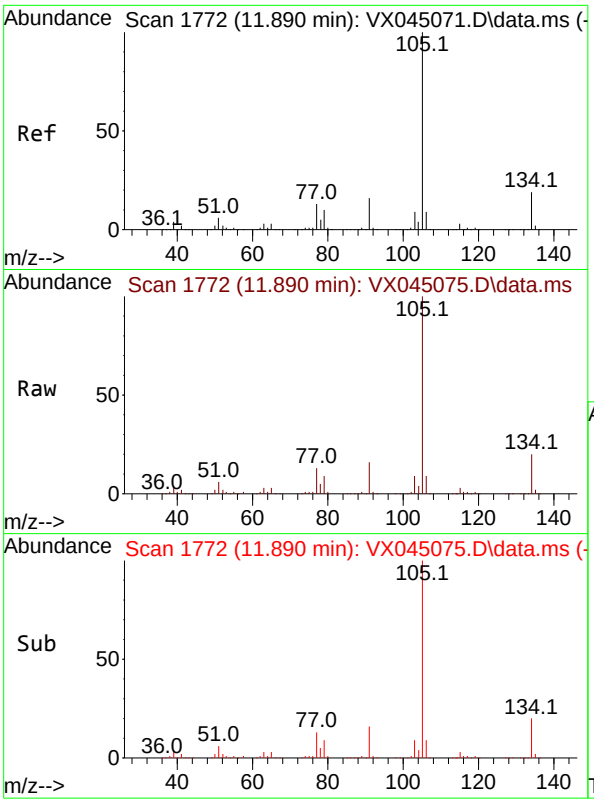


#84
1,2,4-Trimethylbenzene
Concen: 51.932 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 228729

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1

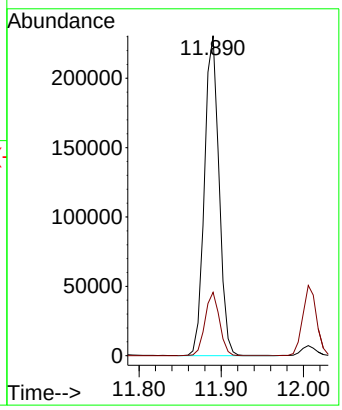




#85
sec-Butylbenzene
Concen: 52.703 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 28393

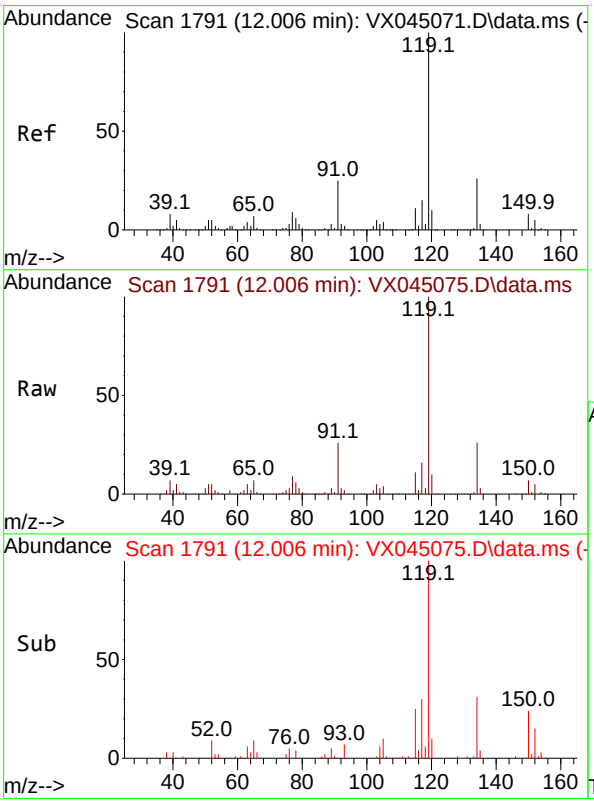
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

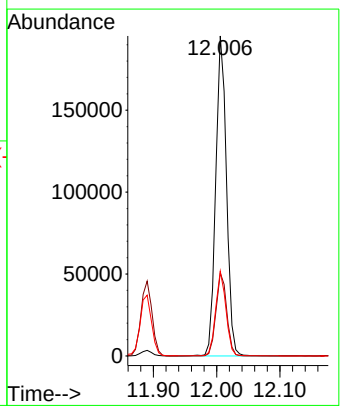
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

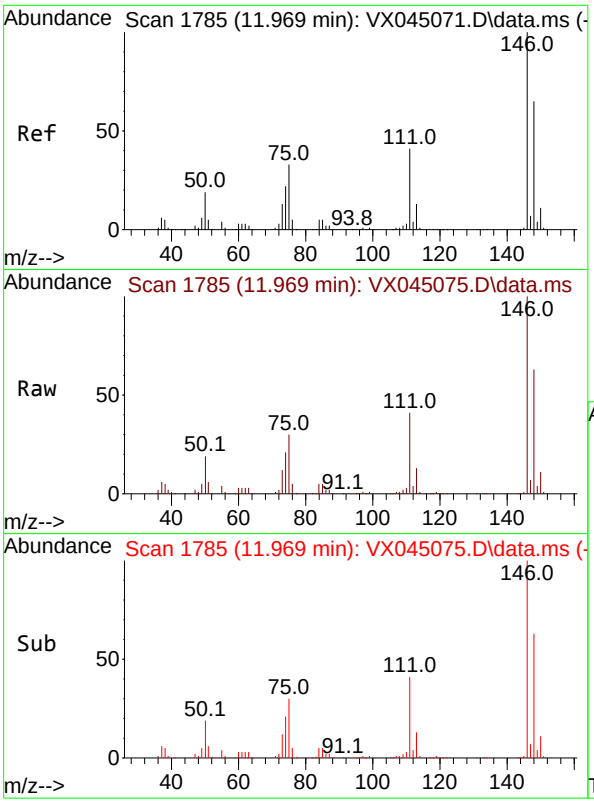


#86
p-Isopropyltoluene
Concen: 52.803 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

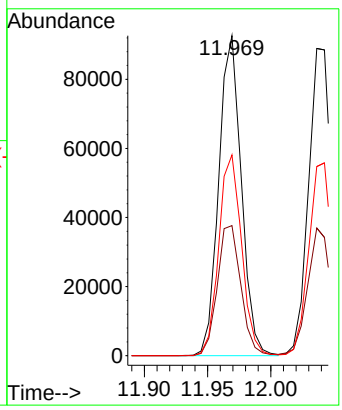
Tgt Ion:146 Resp: 11477

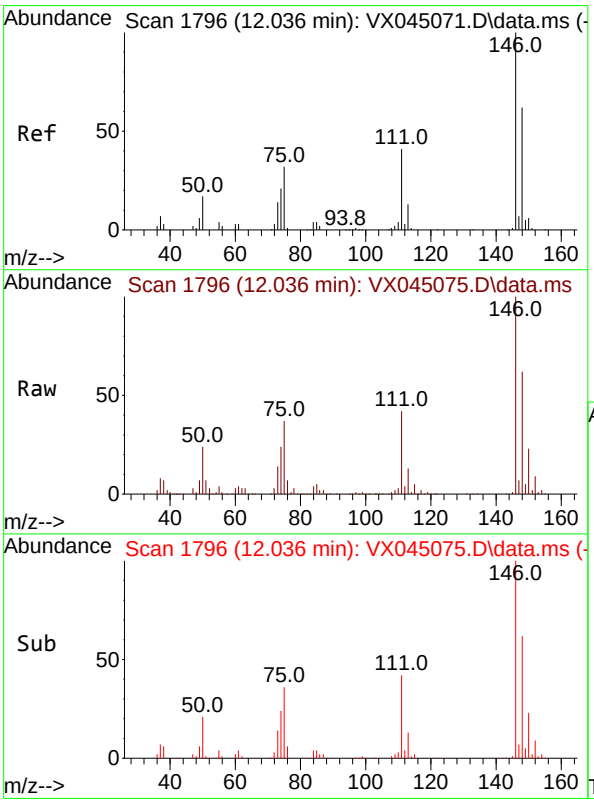
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	63.6	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

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

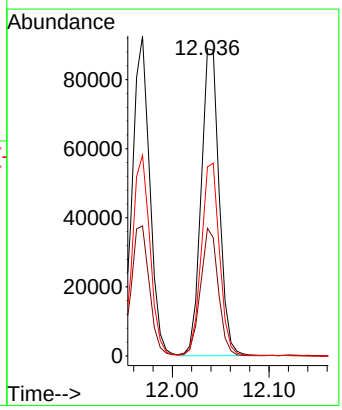


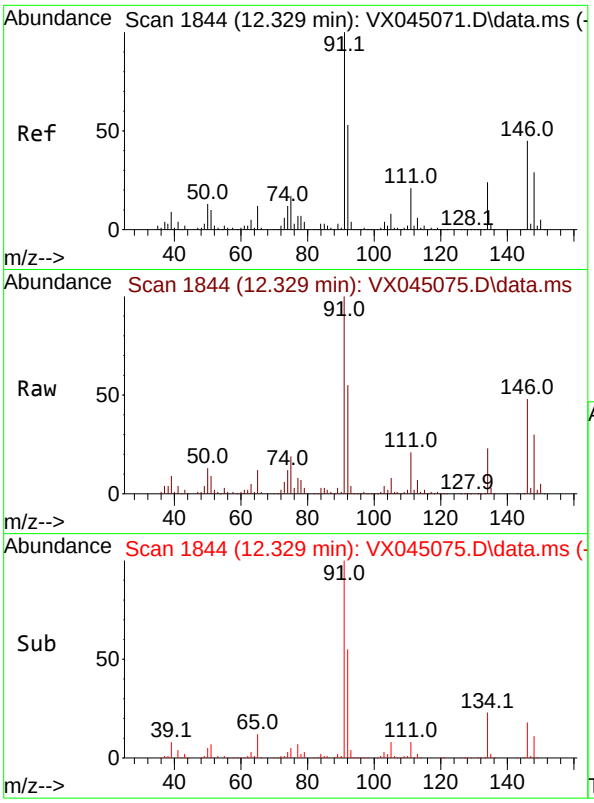


#88
1,4-Dichlorobenzene
Concen: 50.097 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

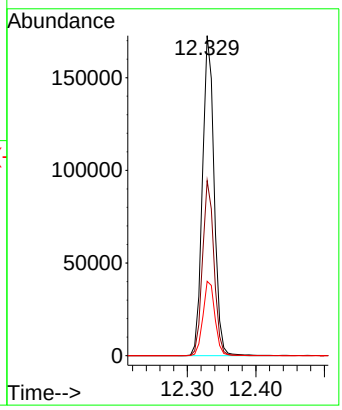




#89
n-Butylbenzene
Concen: 54.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 20497

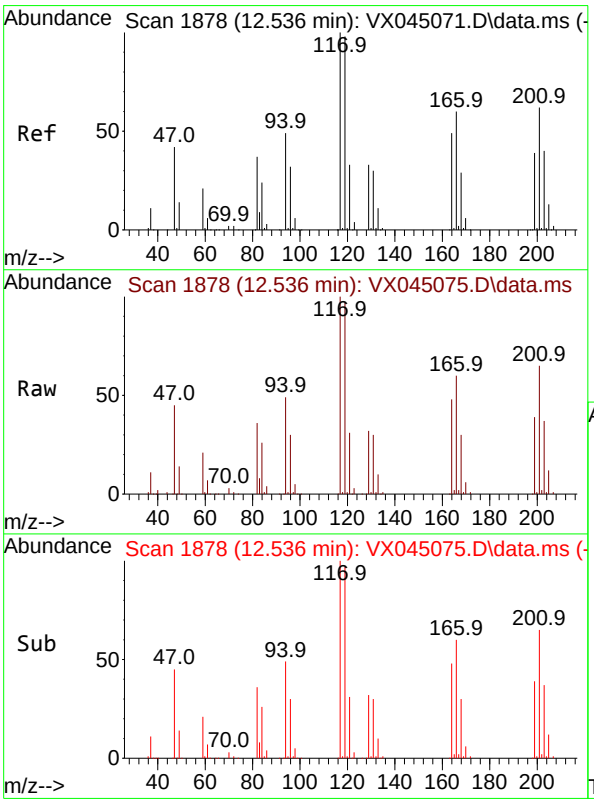
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.7	80.0
134	23.9	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

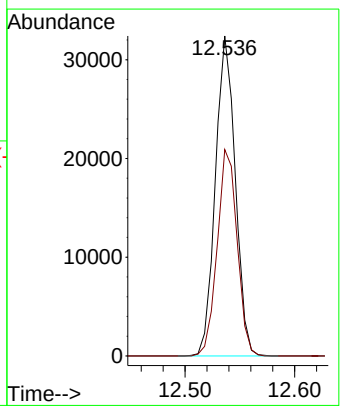
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

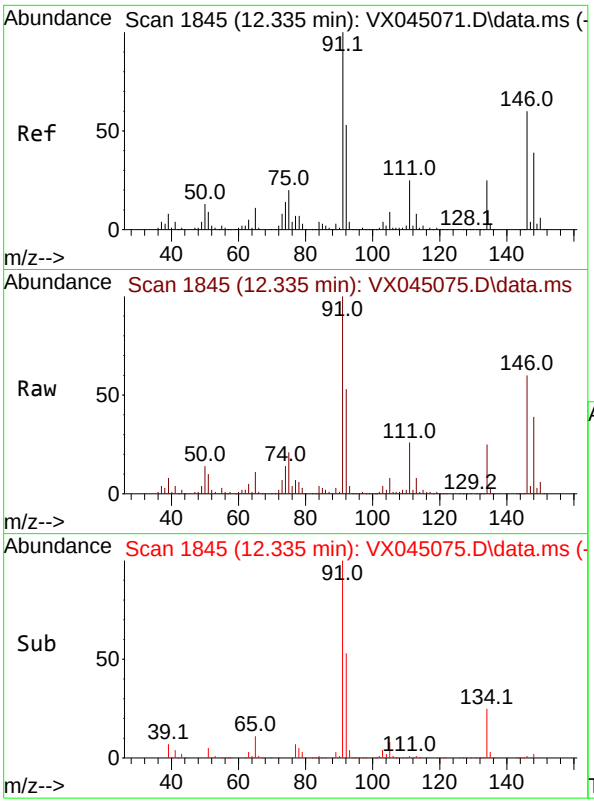


#90
Hexachloroethane
Concen: 51.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 40844

Ion	Ratio	Lower	Upper
117	100		
201	64.7	31.9	95.9

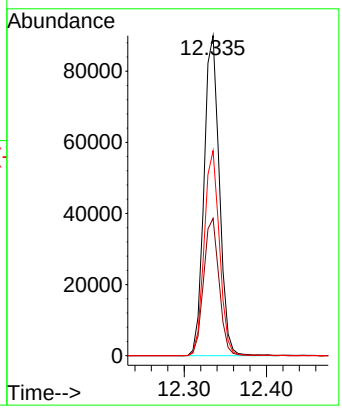




#91
1,2-Dichlorobenzene
Concen: 50.899 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:146 Resp: 11634

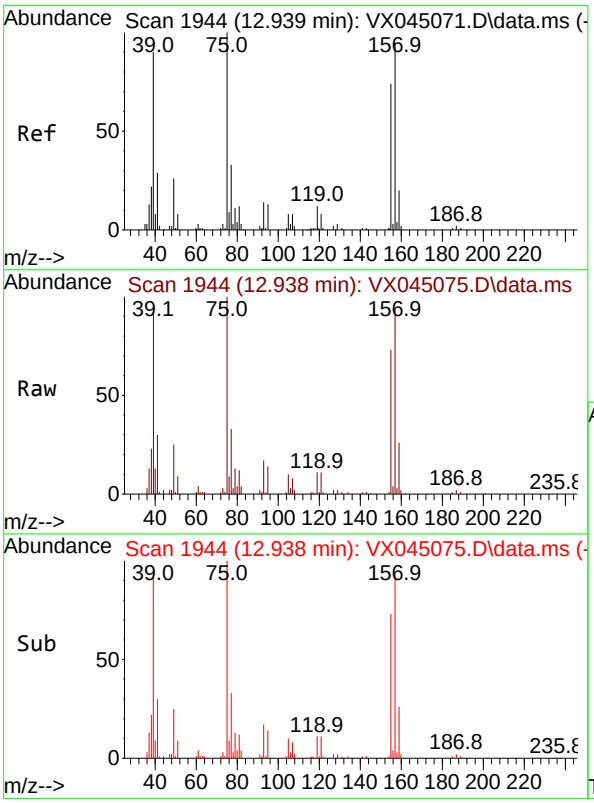
Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	63.9	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

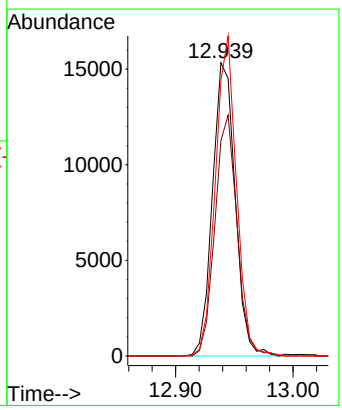
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

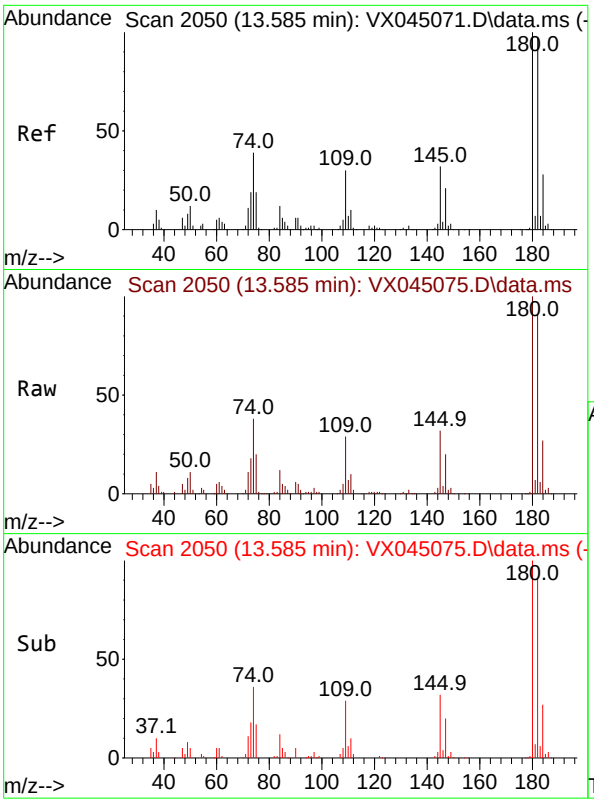


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.199 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

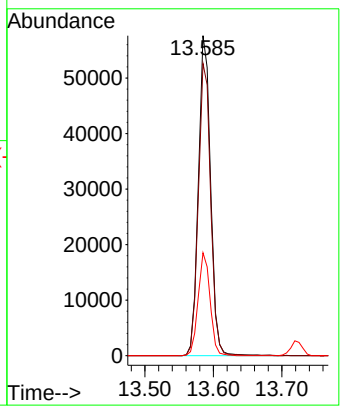




#93
1,2,4-Trichlorobenzene
Concen: 54.834 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:180 Resp: 7136

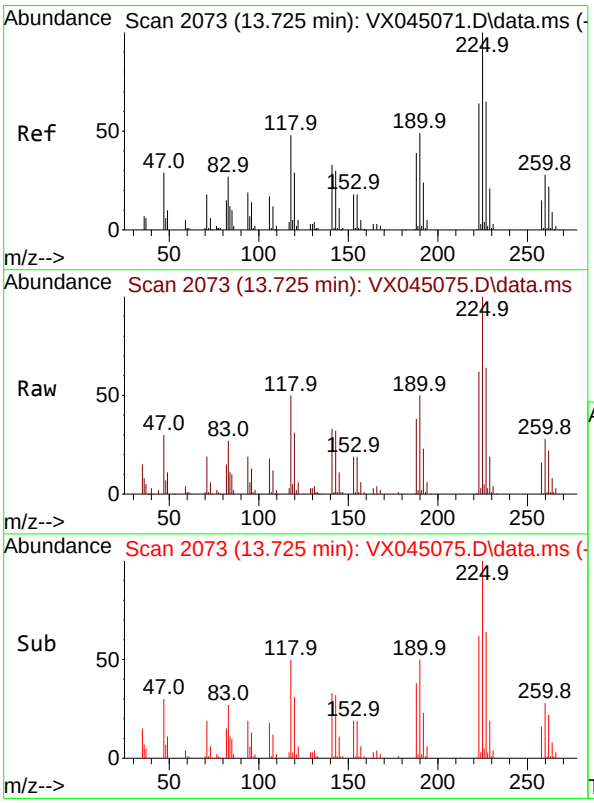
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.9
145	31.6	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

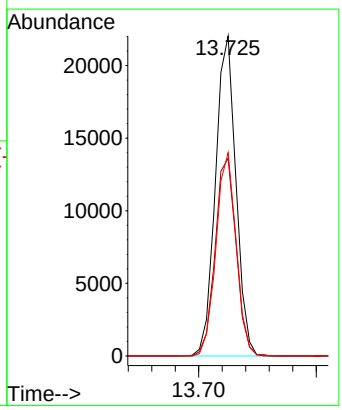
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025

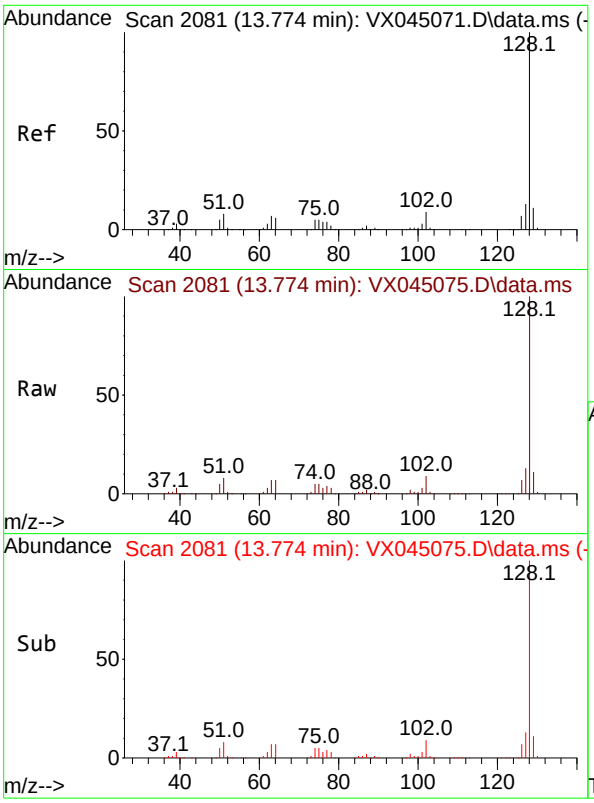


#94
Hexachlorobutadiene
Concen: 50.032 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

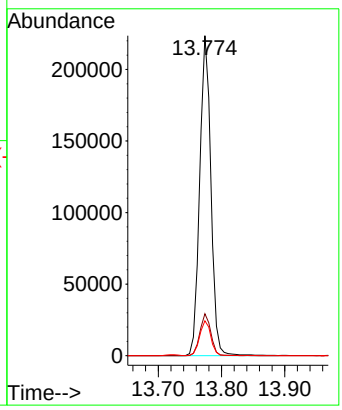




#95
Naphthalene
Concen: 55.163 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:128 Resp: 27584

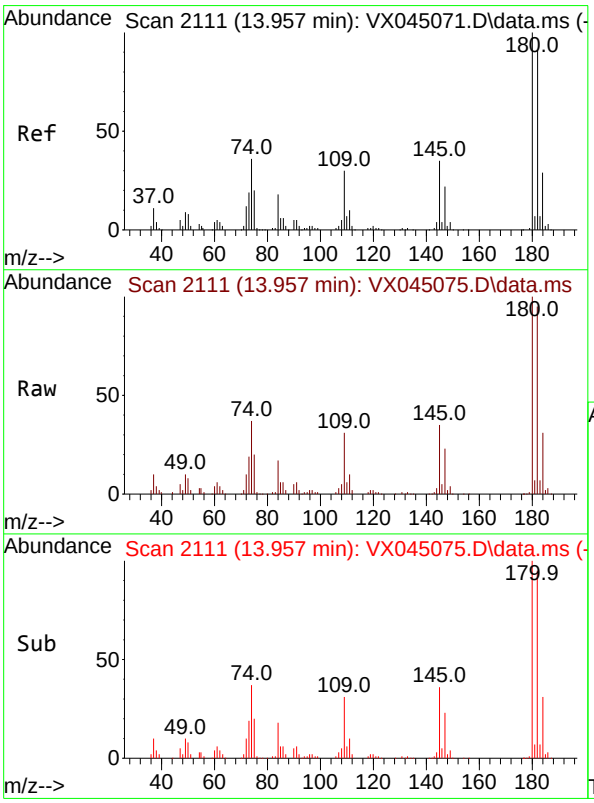
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Manual Integrations
APPROVED

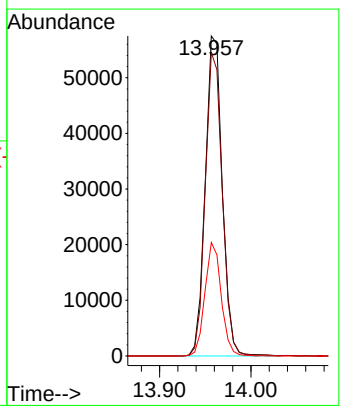
Reviewed By :John Carlone 02/28/2025
Supervised By :Mahesh Dadoda 02/28/2025



#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



Evaluate Continuing Calibration Report

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

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

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

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

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

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

Evaluate Continuing Calibration Report

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

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

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

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

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

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

Raw Data: **VX045183.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1500 SAS No.: Q1500 SDG No.: Q1500

Instrument ID: MSVOA_X Calibration Date/Time: 03/10/2025 10:06

Lab File ID: VX045183.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	0.640		1.75	20
Chloromethane	0.770	0.699	0.1	-9.22	20
Vinyl Chloride	0.764	0.695		-9.03	20
Bromomethane	0.300	0.285		-5	20
Chloroethane	0.352	0.354		0.57	20
Trichlorofluoromethane	1.012	0.997		-1.48	20
1,1,2-Trichlorotrifluoroethane	0.581	0.614		5.68	20
1,1-Dichloroethene	0.614	0.587		-4.4	20
Acetone	0.369	0.336		-8.94	20
Carbon Disulfide	1.636	1.535		-6.17	20
Methyl tert-butyl Ether	2.061	1.979		-3.98	20
Methyl Acetate	0.888	0.894		0.68	20
Methylene Chloride	0.731	0.674		-7.8	20
trans-1,2-Dichloroethene	0.607	0.588		-3.13	20
1,1-Dichloroethane	1.247	1.176	0.1	-5.69	20
Cyclohexane	1.082	1.047		-3.23	20
2-Butanone	0.555	0.512		-7.75	20
Carbon Tetrachloride	0.465	0.489		5.16	20
cis-1,2-Dichloroethene	0.749	0.713		-4.81	20
Bromochloromethane	0.594	0.566		-4.71	20
Chloroform	1.239	1.147		-7.43	20
1,1,1-Trichloroethane	1.000	0.977		-2.3	20
Methylcyclohexane	0.549	0.623		13.48	20
Benzene	1.448	1.452		0.28	20
1,2-Dichloroethane	0.521	0.522		0.19	20
Trichloroethene	0.340	0.337		-0.88	20
1,2-Dichloropropane	0.372	0.376		1.08	20
Bromodichloromethane	0.516	0.539		4.46	20
4-Methyl-2-Pentanone	0.587	0.586		-0.17	20
Toluene	0.849	0.875		3.06	20
t-1,3-Dichloropropene	0.431	0.509		18.1	20
cis-1,3-Dichloropropene	0.503	0.573		13.92	20
1,1,2-Trichloroethane	0.350	0.343		-2	20
2-Hexanone	0.425	0.421		-0.94	20
Dibromochloromethane	0.366	0.395		7.92	20
1,2-Dibromoethane	0.349	0.355		1.72	20
Tetrachloroethene	0.320	0.332		3.75	20
Chlorobenzene	1.058	1.089	0.3	2.93	20

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

Raw Data: **VX045183.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1500 SAS No.: Q1500 SDG No.: Q1500

Instrument ID: MSVOA_X Calibration Date/Time: 03/10/2025 10:06

Lab File ID: VX045183.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	1.936		5.05	20
m/p-Xylenes	0.675	0.709		5.04	20
o-Xylene	0.681	0.695		2.06	20
Styrene	1.101	1.170		6.27	20
Bromoform	0.266	0.295	0.1	10.9	20
Isopropylbenzene	3.903	4.125		5.69	20
1,1,2,2-Tetrachloroethane	1.432	1.369	0.3	-4.4	20
1,3-Dichlorobenzene	1.643	1.704		3.71	20
1,4-Dichlorobenzene	1.662	1.678		0.96	20
1,2-Dichlorobenzene	1.648	1.653		0.3	20
1,2-Dibromo-3-Chloropropane	0.279	0.279		0	20
1,2,4-Trichlorobenzene	0.938	1.037		10.55	20
1,2,3-Trichlorobenzene	0.990	1.067		7.78	20
1,2-Dichloroethane-d4	0.795	0.730		-8.18	20
Dibromofluoromethane	0.334	0.345		3.29	20
Toluene-d8	1.212	1.229		1.4	20
4-Bromofluorobenzene	0.402	0.426		5.97	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\VX031025\
Data File : VX045183.D
Acq On : 10 Mar 2025 10:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 11 03:49:33 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 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	120068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	201201	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	175591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	87615	45.875	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.760%			
35) Dibromofluoromethane	5.379	113	69391	51.577	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.160%			
50) Toluene-d8	8.641	98	247275	50.697	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.400%			
62) 4-Bromofluorobenzene	11.079	95	85749	53.054	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	76818	50.827	ug/l	94
3) Chloromethane	1.307	50	83938	45.382	ug/l	96
4) Vinyl Chloride	1.374	62	83429	45.470	ug/l	99
5) Bromomethane	1.593	94	34226	47.451	ug/l	98
6) Chloroethane	1.666	64	42535	50.258	ug/l	98
7) Trichlorofluoromethane	1.874	101	119753	49.302	ug/l	96
8) Diethyl Ether	2.130	74	41193	43.358	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	73749	52.848	ug/l	98
10) Methyl Iodide	2.441	142	86895	49.827	ug/l	98
11) Tert butyl alcohol	2.977	59	65463	180.958	ug/l	98
12) 1,1-Dichloroethene	2.307	96	70442	47.745	ug/l	97
13) Acrolein	2.233	56	87771	209.887	ug/l	99
14) Allyl chloride	2.654	41	131254	49.978	ug/l	97
15) Acrylonitrile	3.062	53	225967	233.063	ug/l	99
16) Acetone	2.386	43	202013	227.976	ug/l	100
17) Carbon Disulfide	2.502	76	184260	46.890	ug/l	98
18) Methyl Acetate	2.703	43	107373	50.370	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	237614	48.004	ug/l	98
20) Methylene Chloride	2.782	84	80927	46.105	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	70577	48.421	ug/l	99
22) Diisopropyl ether	3.757	45	258893	48.472	ug/l	96
23) Vinyl Acetate	3.715	43	1105475	248.018	ug/l	100
24) 1,1-Dichloroethane	3.599	63	141147	47.153	ug/l	100
25) 2-Butanone	4.556	43	307413	230.475	ug/l	99
26) 2,2-Dichloropropane	4.465	77	107346	76.455	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	85594	47.570	ug/l	95
28) Bromochloromethane	4.891	49	67994	47.656	ug/l	100
29) Tetrahydrofuran	5.001	42	195295	218.029	ug/l	100
30) Chloroform	5.080	83	137670	46.287	ug/l	100
31) Cyclohexane	5.458	56	125667	48.363	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	117363	48.857	ug/l	99
36) 1,1-Dichloropropene	5.684	75	93569	50.714	ug/l	99
37) Ethyl Acetate	4.709	43	115384	48.532	ug/l	99
38) Carbon Tetrachloride	5.666	117	98310	52.483	ug/l	96
39) Methylcyclohexane	7.373	83	125387	56.716	ug/l	99
40) Benzene	6.025	78	292214	50.155	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045183.D
Acq On : 10 Mar 2025 10:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 11 03:49:33 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 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.910	41	66579	51.791	ug/l		99
42) 1,2-Dichloroethane	6.080	62	105041	50.066	ug/l		100
43) Isopropyl Acetate	6.336	43	184950	52.608	ug/l		100
44) Trichloroethene	7.117	130	67819	49.573	ug/l		96
45) 1,2-Dichloropropane	7.421	63	75705	50.538	ug/l		97
46) Dibromomethane	7.574	93	54188	51.179	ug/l		98
47) Bromodichloromethane	7.818	83	108406	52.199	ug/l		100
48) Methyl methacrylate	7.690	41	89906	50.975	ug/l		98
49) 1,4-Dioxane	7.659	88	31109	836.168	ug/l		98
51) 4-Methyl-2-Pentanone	8.568	43	589180	249.597	ug/l		100
52) Toluene	8.714	92	176101	51.516	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	102467	59.017	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	115256	56.928	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	69076	49.085	ug/l		97
56) Ethyl methacrylate	9.116	69	115354	53.926	ug/l		100
57) 1,3-Dichloropropane	9.305	76	119199	48.945	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	289282	277.227	ug/l		100
59) 2-Hexanone	9.427	43	423044	247.351	ug/l		100
60) Dibromochloromethane	9.519	129	79393	53.957	ug/l		98
61) 1,2-Dibromoethane	9.604	107	71462	50.868	ug/l		99
64) Tetrachloroethene	9.269	164	58211	51.762	ug/l		92
65) Chlorobenzene	10.073	112	191302	51.488	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	63118	51.011	ug/l		99
67) Ethyl Benzene	10.189	91	339985	52.516	ug/l		99
68) m/p-Xylenes	10.299	106	249065	105.093	ug/l		98
69) o-Xylene	10.640	106	121971	51.028	ug/l		98
70) Styrene	10.653	104	205472	53.127	ug/l		100
71) Bromoform	10.799	173	51727	55.438	ug/l	#	98
73) Isopropylbenzene	10.957	105	320616	52.853	ug/l		99
74) N-amyl acetate	10.842	43	151990	53.397	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	106372	47.785	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	88324m	48.828	ug/l		
77) Bromobenzene	11.195	156	73209	51.150	ug/l		99
78) n-propylbenzene	11.299	91	375437	54.788	ug/l		99
79) 2-Chlorotoluene	11.360	91	220488	50.523	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	260502	53.110	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	32105	60.738	ug/l		99
82) 4-Chlorotoluene	11.451	91	250938	52.759	ug/l		100
83) tert-Butylbenzene	11.713	119	264070	52.398	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	259958	52.673	ug/l		100
85) sec-Butylbenzene	11.890	105	333580	55.257	ug/l		100
86) p-Isopropyltoluene	12.006	119	272285	55.812	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	132399	51.855	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	130377	50.472	ug/l		98
89) n-Butylbenzene	12.329	91	249102	59.284	ug/l		100
90) Hexachloroethane	12.536	117	48824	55.329	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	128496	50.169	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21710	50.061	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	80625	55.282	ug/l		99
94) Hexachlorobutadiene	13.725	225	34023	56.902	ug/l		99
95) Naphthalene	13.774	128	286647	51.156	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	82943	53.910	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045183.D
Acq On : 10 Mar 2025 10:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 11 03:49:33 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 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

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

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

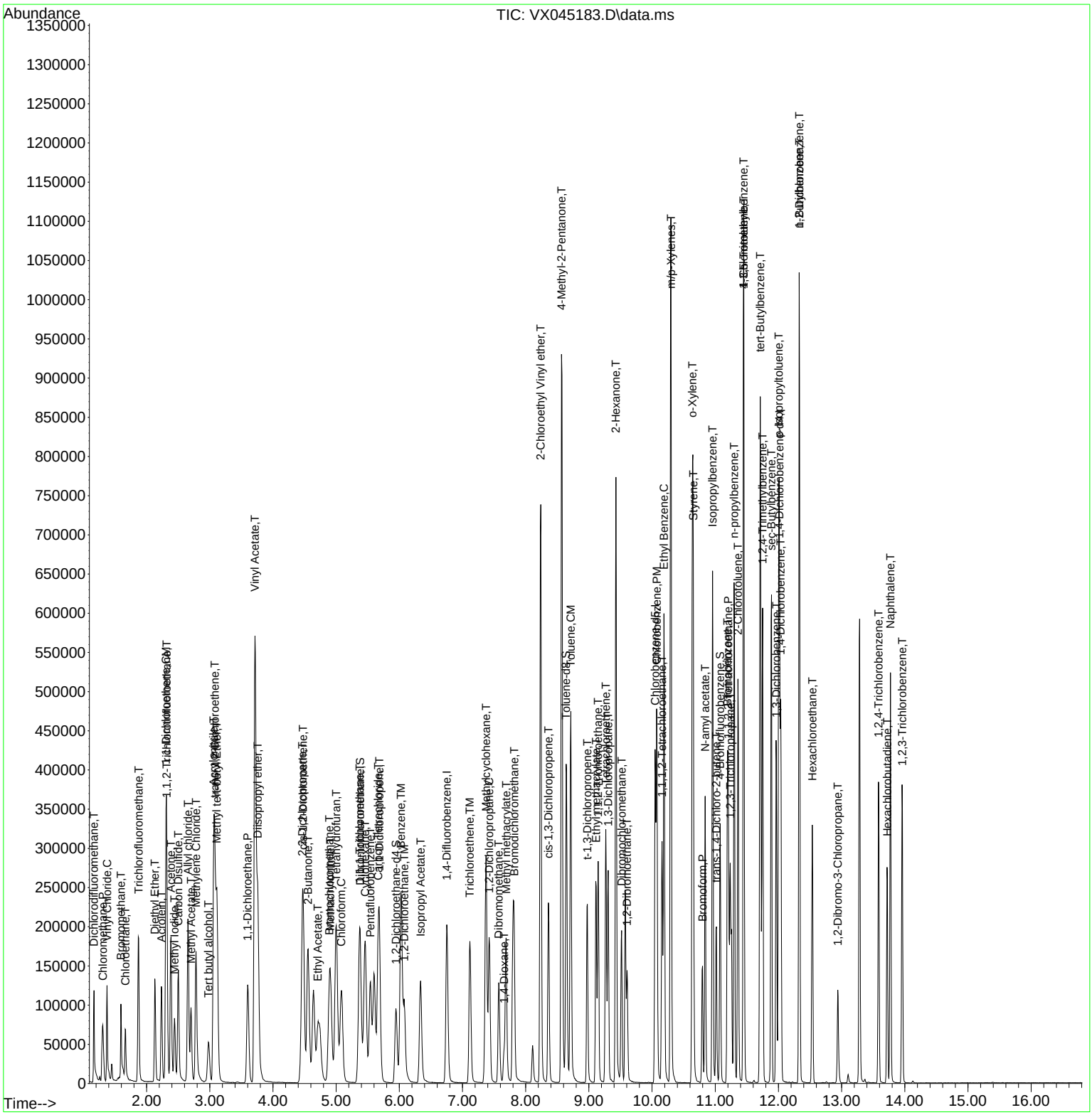
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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

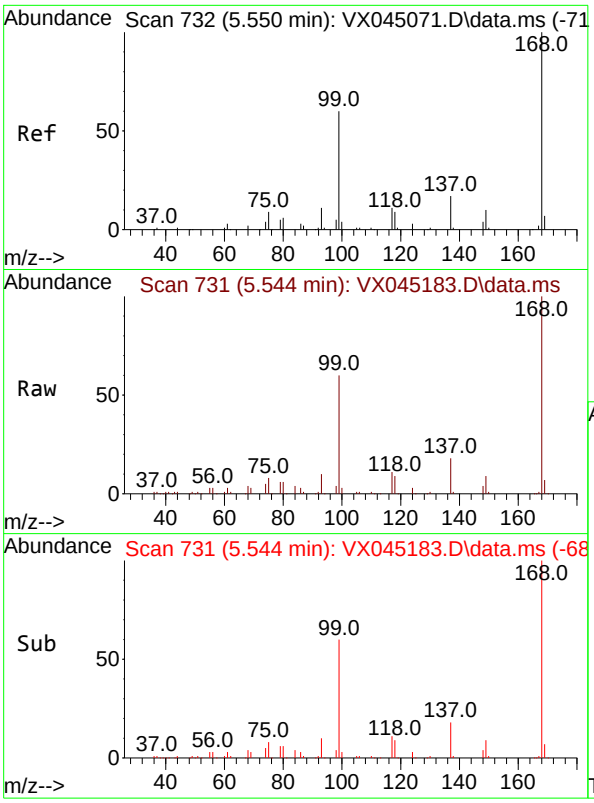
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QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/11/2025
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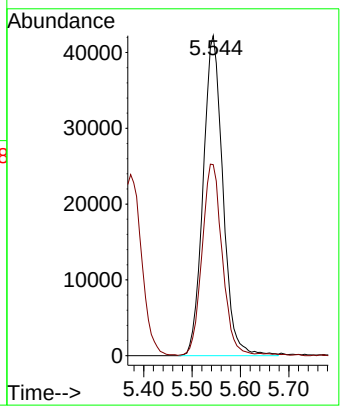




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:168 Resp: 12006

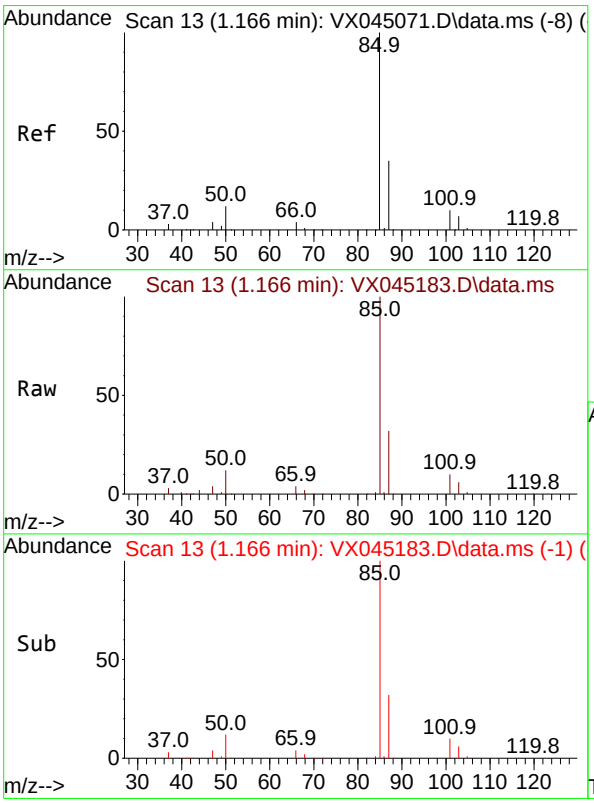
Ion	Ratio	Lower	Upper
168	100		
99	59.6	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

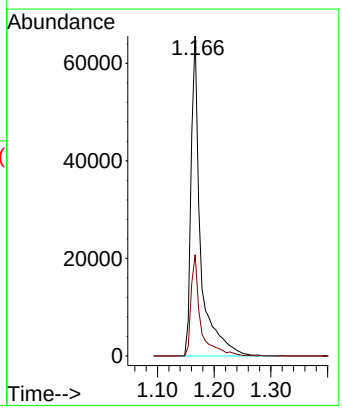
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

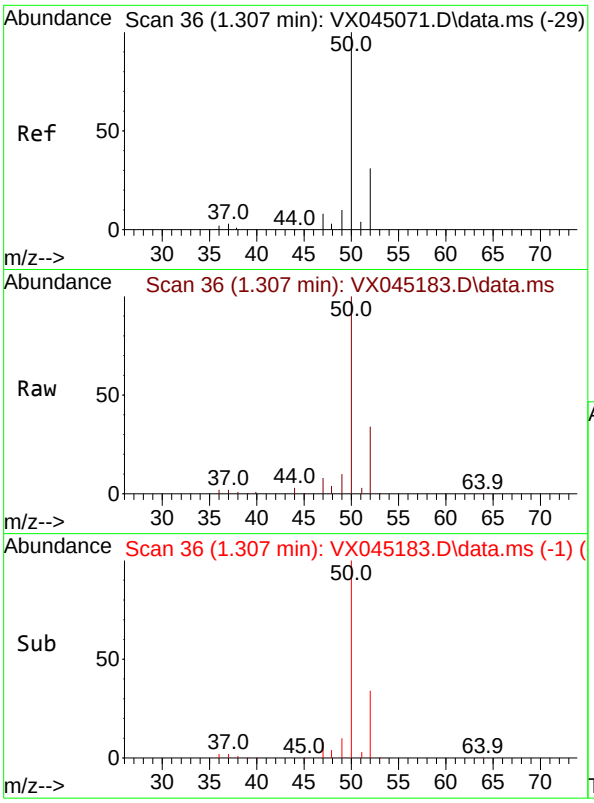


#2
Dichlorodifluoromethane
Concen: 50.827 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 85 Resp: 76818

Ion	Ratio	Lower	Upper
85	100		
87	31.7	17.4	52.3

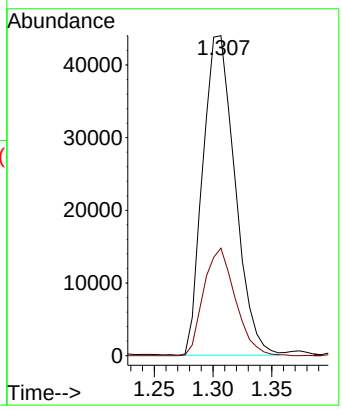




#3
Chloromethane
Concen: 45.382 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 50 Resp: 8393

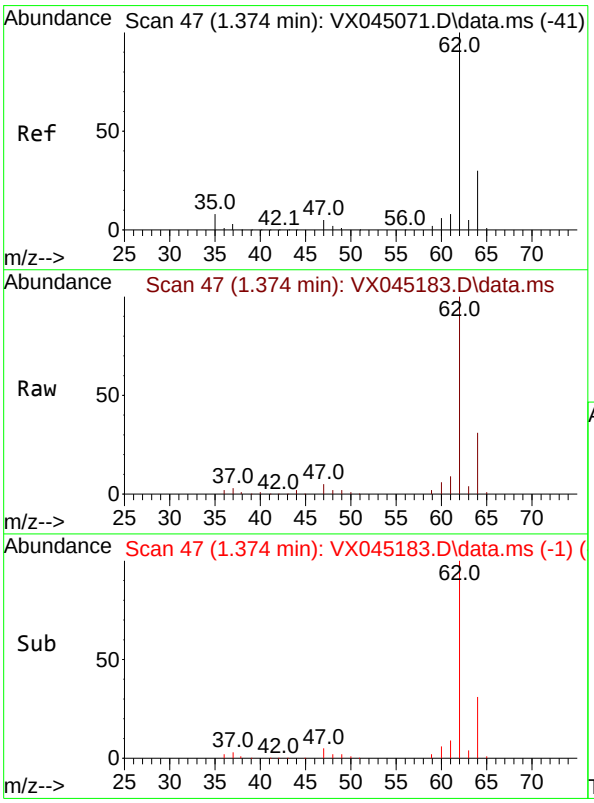
Ion	Ratio	Lower	Upper
50	100		
52	33.7	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

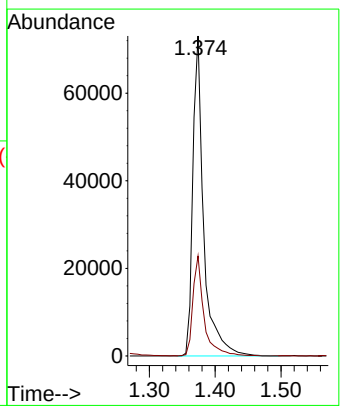
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

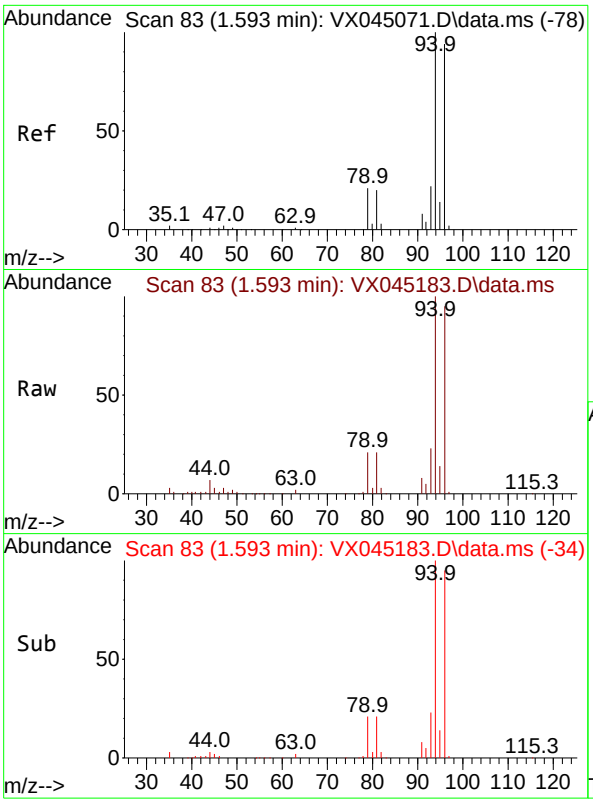


#4
Vinyl Chloride
Concen: 45.470 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 62 Resp: 83429

Ion	Ratio	Lower	Upper
62	100		
64	31.2	24.3	36.5

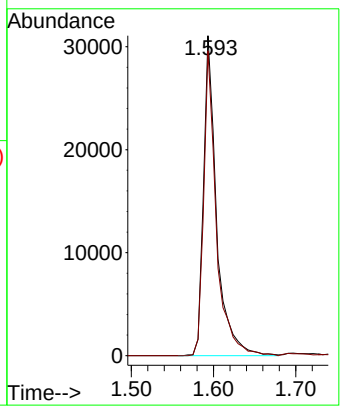




#5
Bromomethane
Concen: 47.451 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 94 Resp: 3422

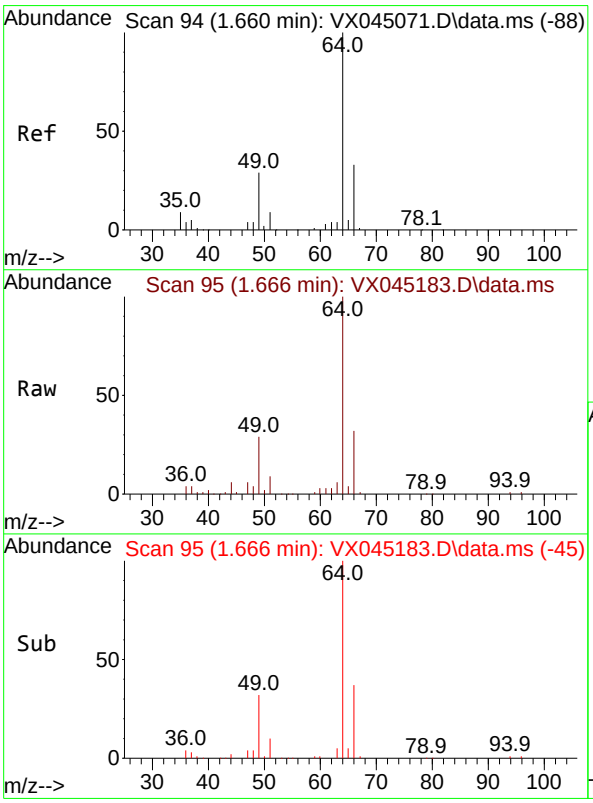
Ion	Ratio	Lower	Upper
94	100		
96	95.3	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

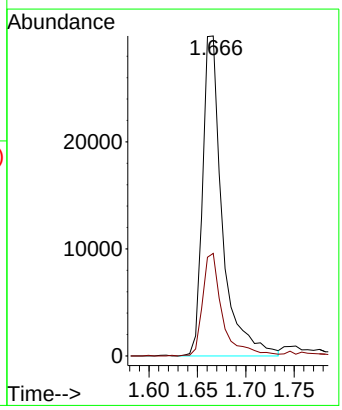
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

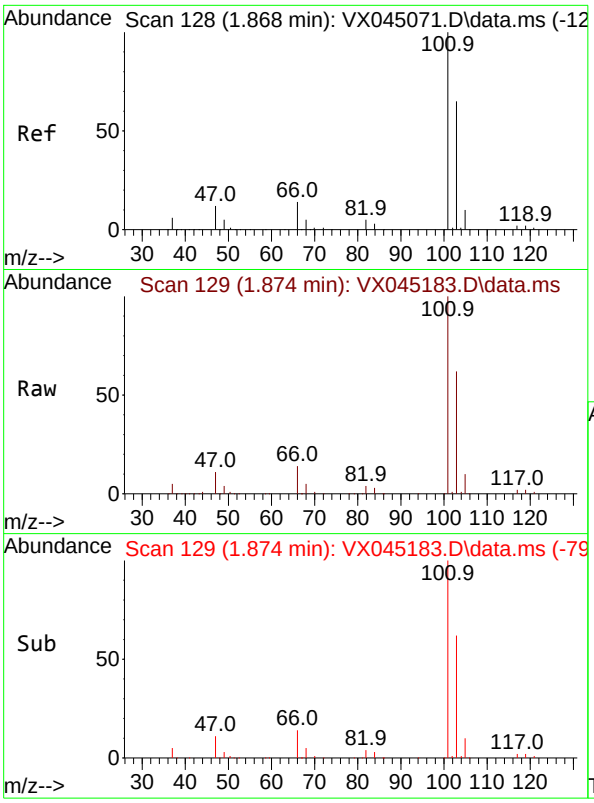


#6
Chloroethane
Concen: 50.258 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 64 Resp: 42535

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.7	40.1





#7
Trichlorofluoromethane
Concen: 49.302 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

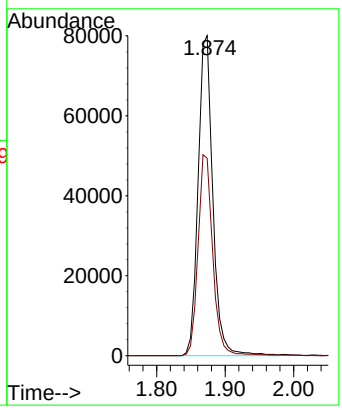
Tgt Ion:101 Resp: 11975

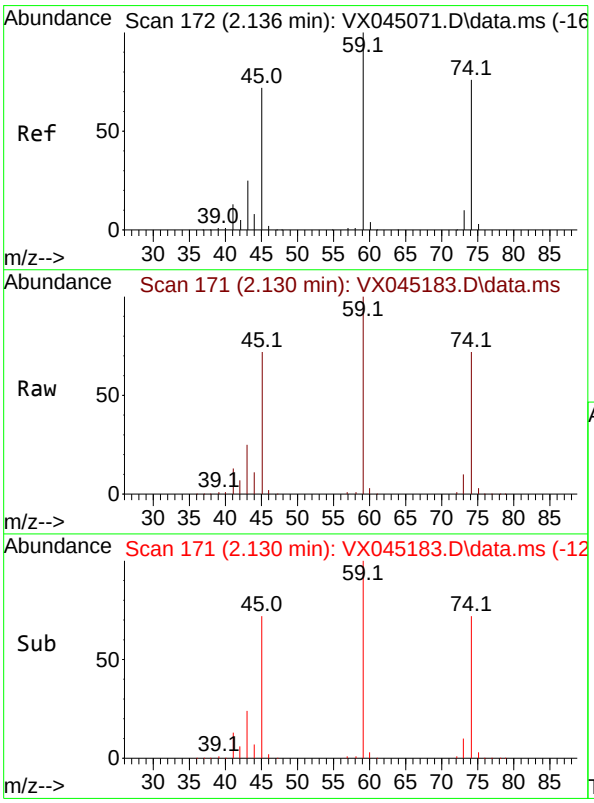
Ion	Ratio	Lower	Upper
101	100		
103	61.7	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

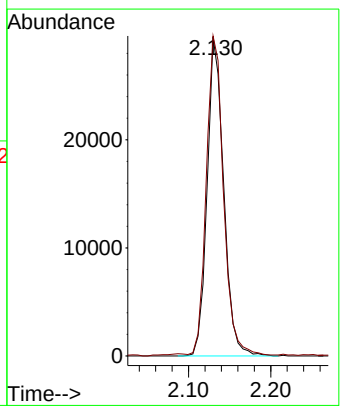


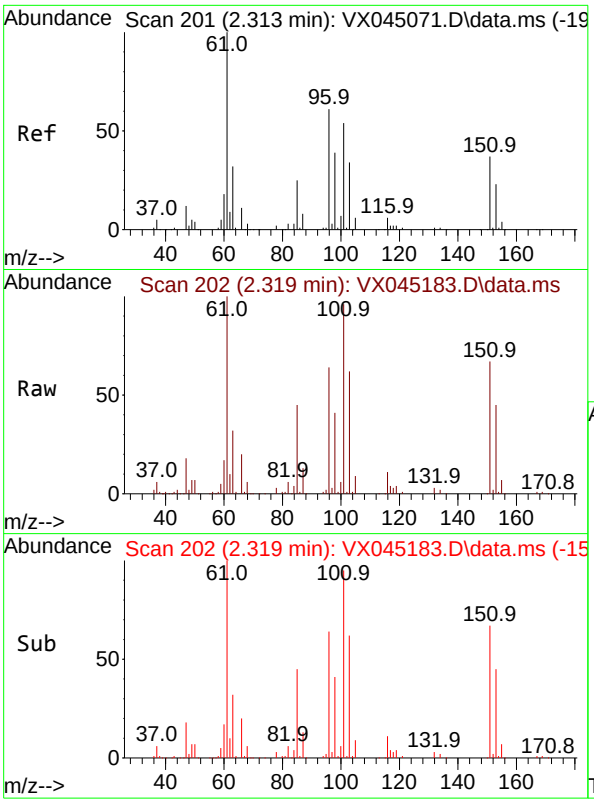


#8
Diethyl Ether
Concen: 43.358 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 74 Resp: 41193

Ion	Ratio	Lower	Upper
74	100		
45	105.9	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.848 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

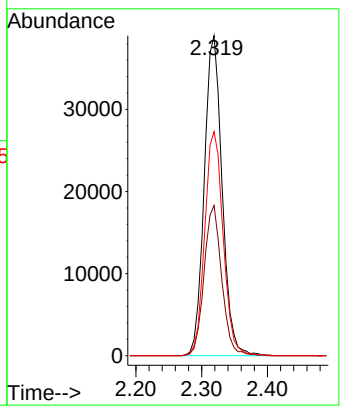
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

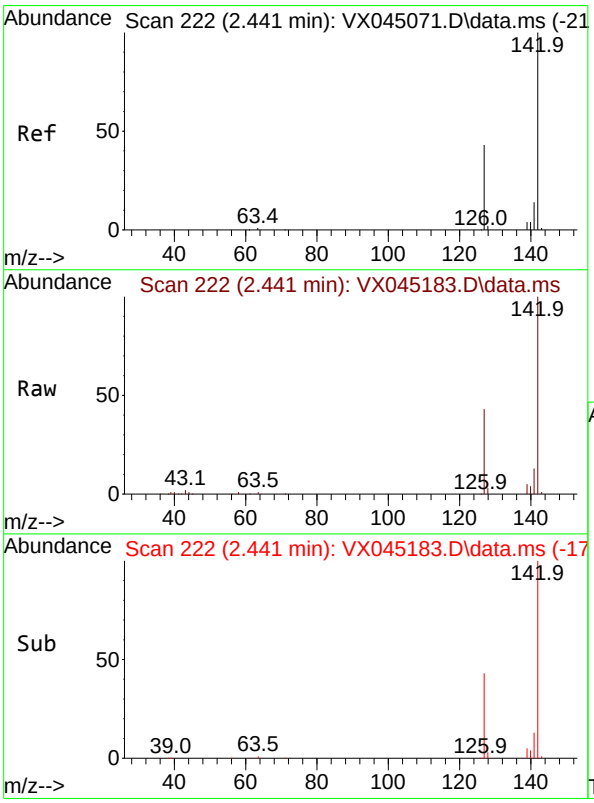
Tgt Ion:101 Resp: 7374

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.2	54.4
151	72.1	56.4	84.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

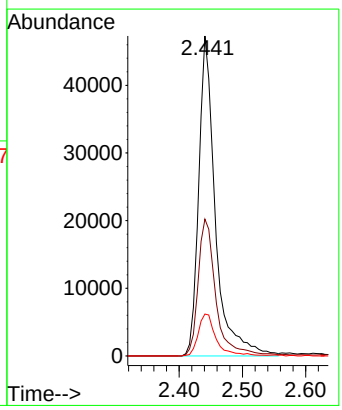


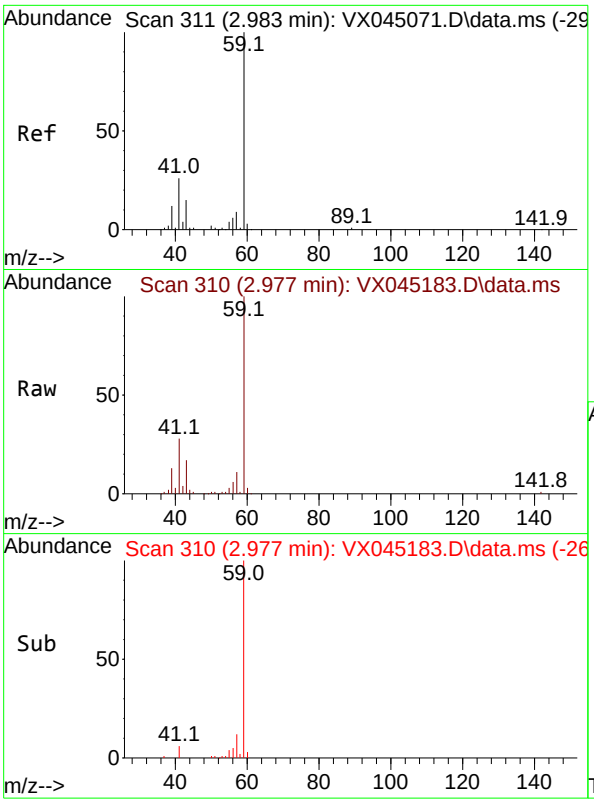


#10
Methyl Iodide
Concen: 49.827 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:142 Resp: 86895

Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.4	53.2
141	14.1	11.6	17.4





#11
Tert butyl alcohol
Concen: 180.958 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

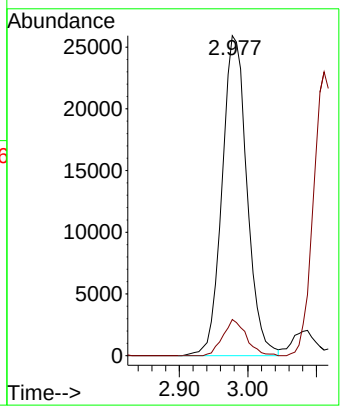
Tgt Ion: 59 Resp: 6546

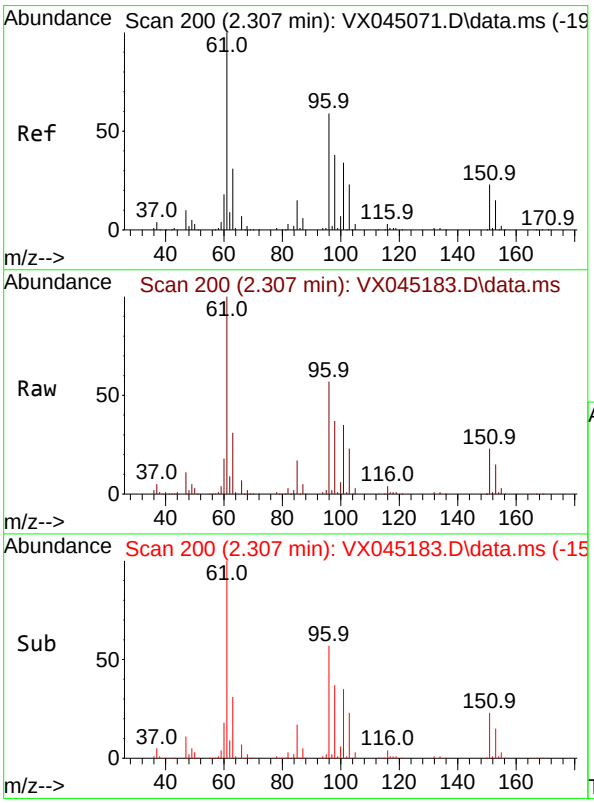
Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

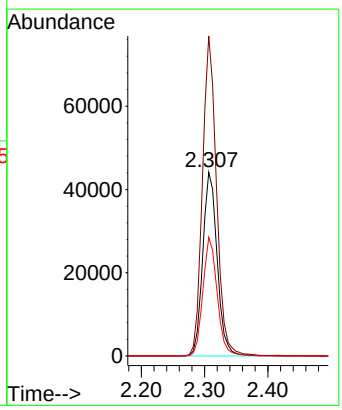


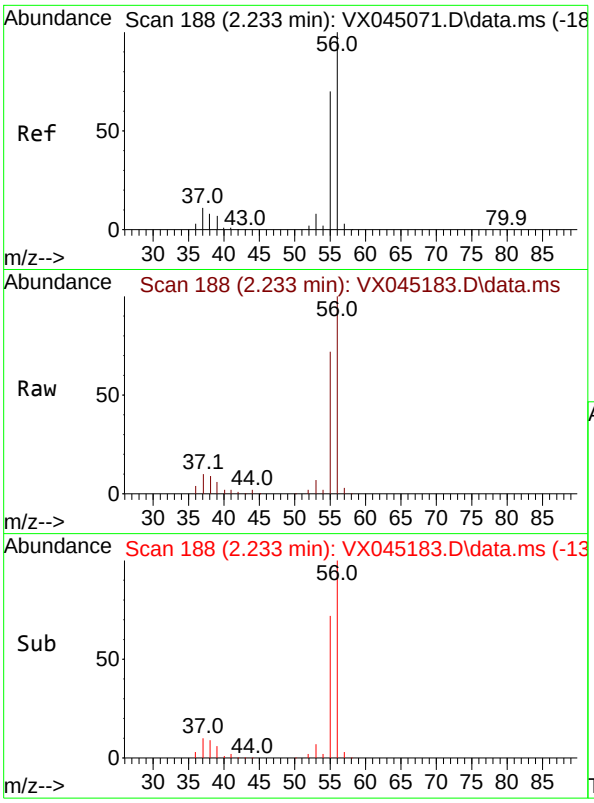


#12
1,1-Dichloroethene
Concen: 47.745 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 96 Resp: 70442

Ion	Ratio	Lower	Upper
96	100		
61	174.0	134.6	202.0
98	64.5	51.0	76.6

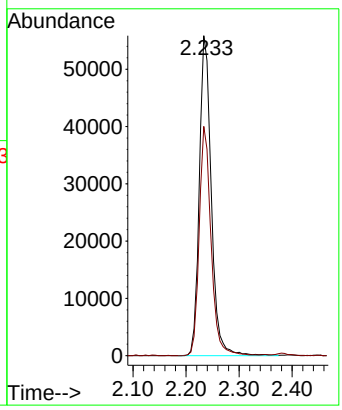




#13
Acrolein
Concen: 209.887 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 56 Resp: 8777

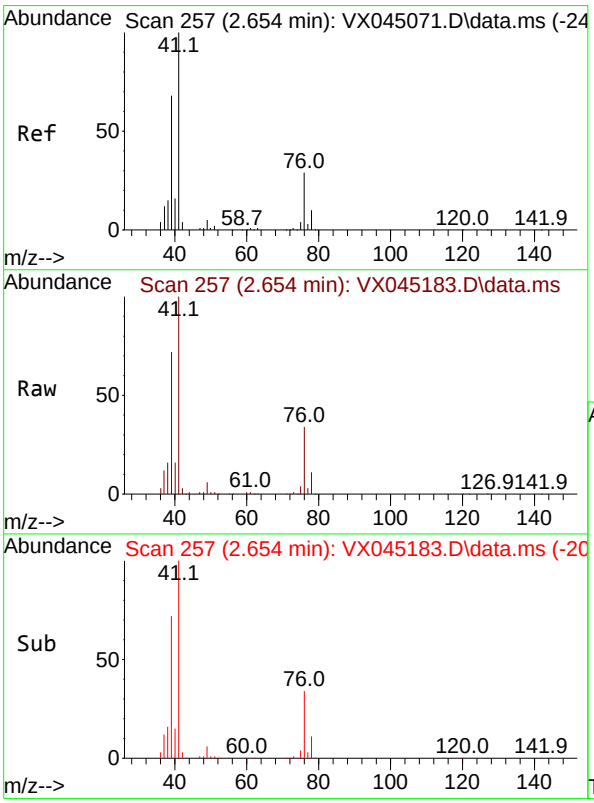
Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

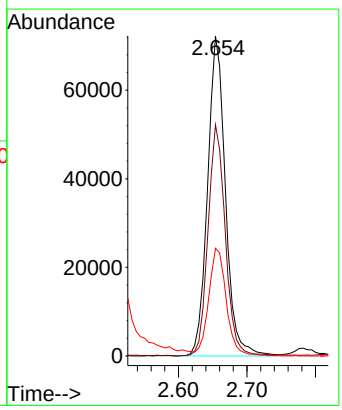
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

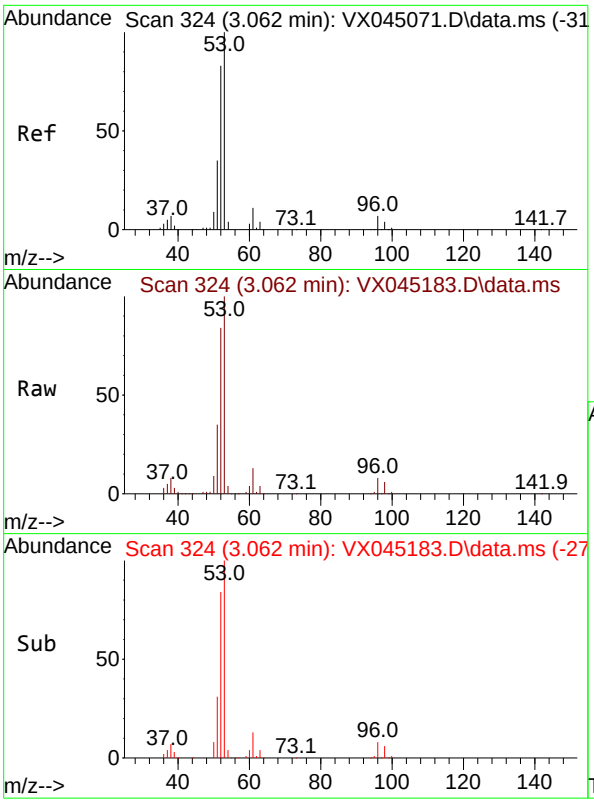


#14
Allyl chloride
Concen: 49.978 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 41 Resp: 131254

Ion	Ratio	Lower	Upper
41	100		
39	69.8	53.8	80.8
76	33.2	25.2	37.8

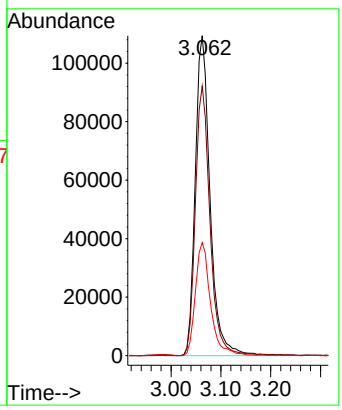




#15
Acrylonitrile
Concen: 233.063 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 53 Resp: 22596

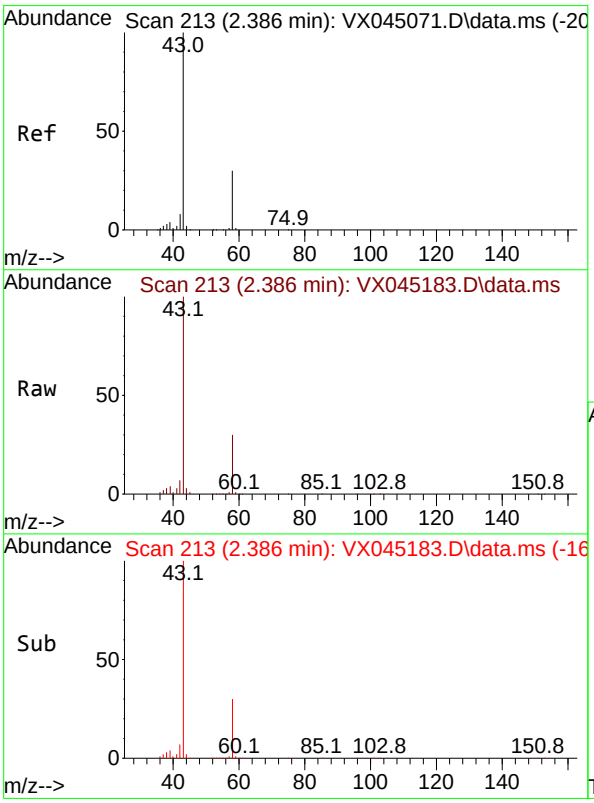
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.2	99.2
51	36.1	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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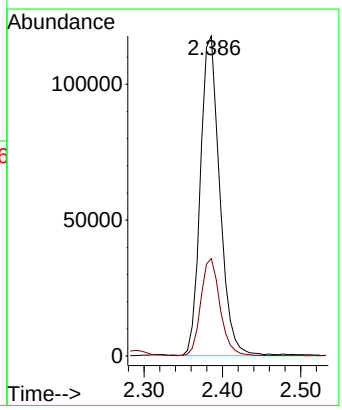
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

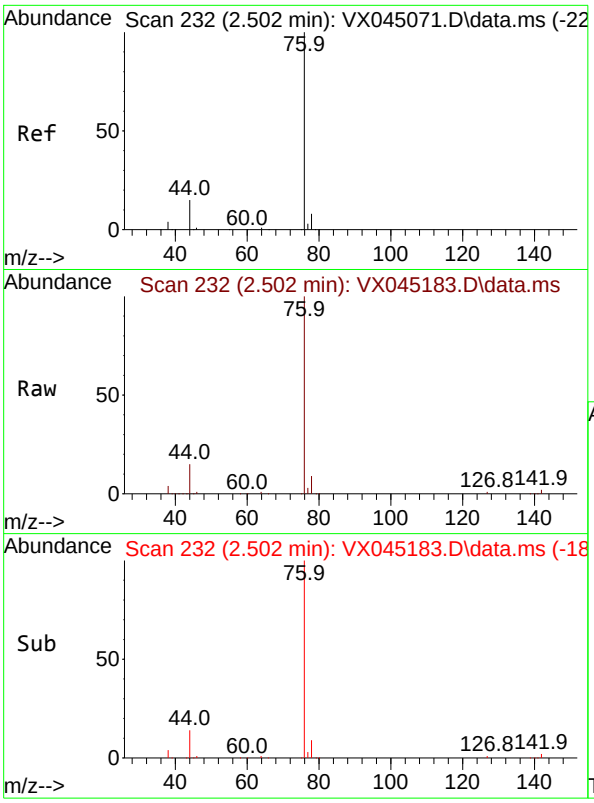


#16
Acetone
Concen: 227.976 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 43 Resp: 202013

Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.2	36.4





#17
Carbon Disulfide
Concen: 46.890 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

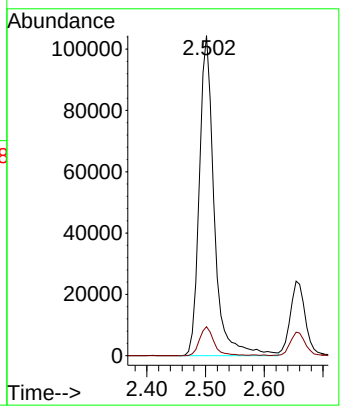
Tgt Ion: 76 Resp: 18426

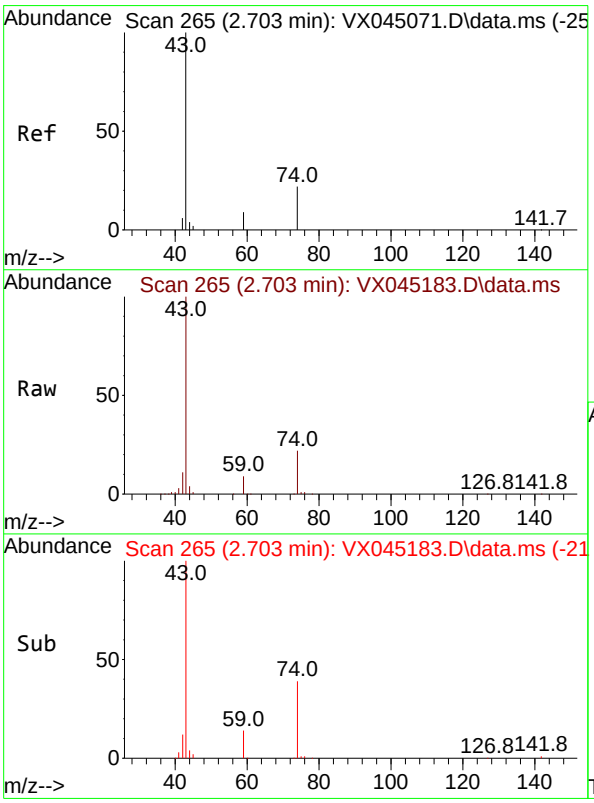
Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

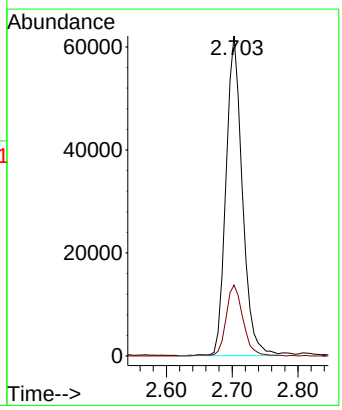


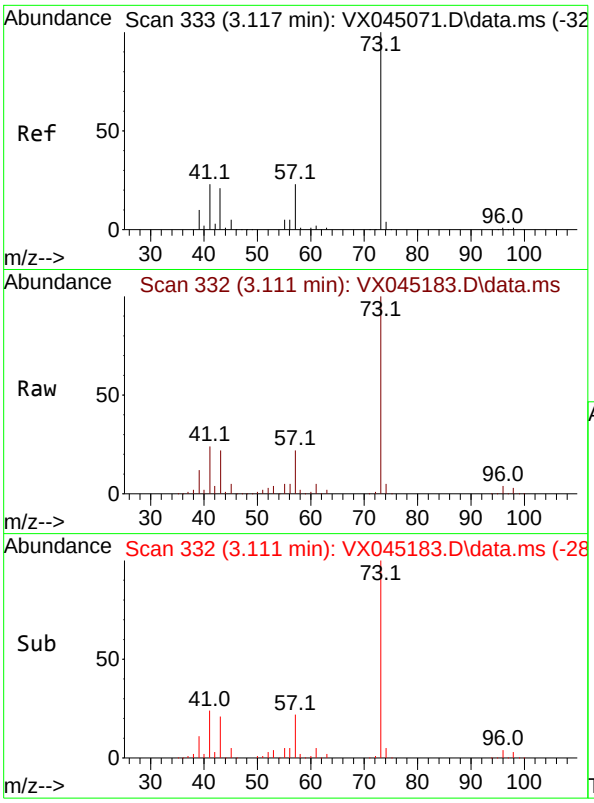


#18
Methyl Acetate
Concen: 50.370 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 43 Resp: 107373

Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.4	26.2

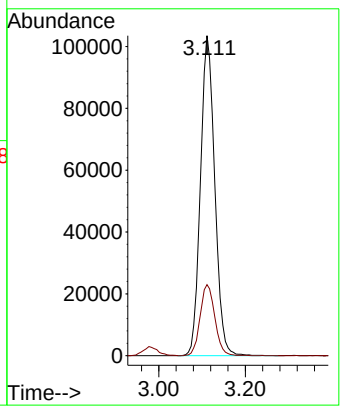




#19
Methyl tert-butyl Ether
Concen: 48.004 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 73 Resp: 23761

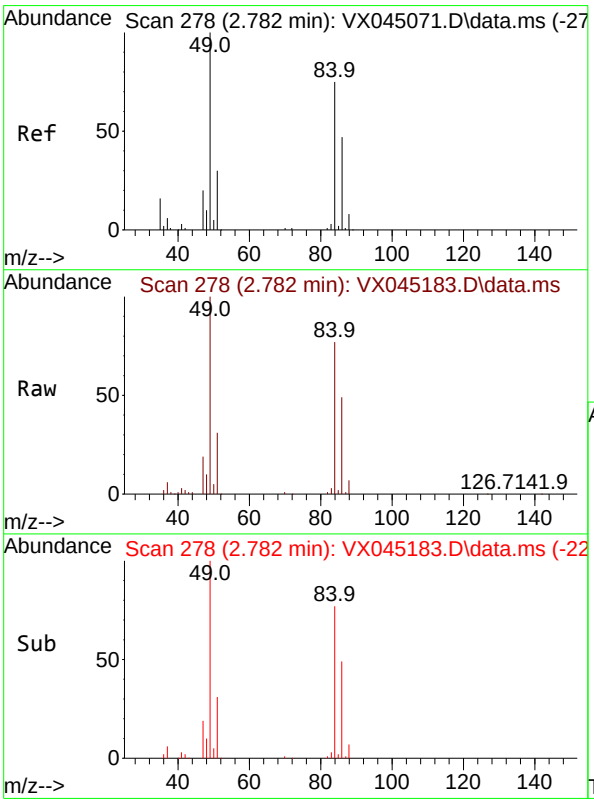
Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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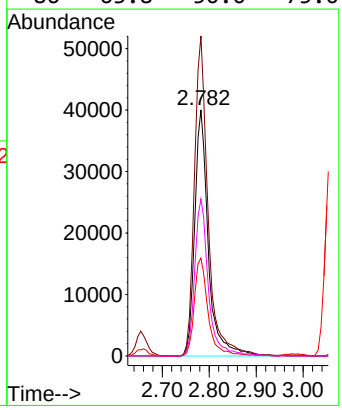
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

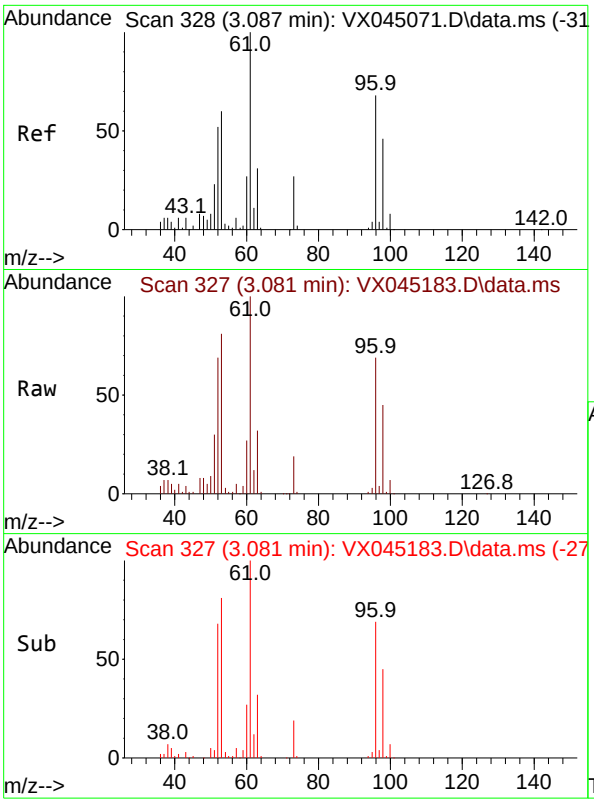


#20
Methylene Chloride
Concen: 46.105 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 84 Resp: 80927

Ion	Ratio	Lower	Upper
84	100		
49	130.0	106.5	159.7
51	39.8	32.1	48.1
86	63.8	50.0	75.0

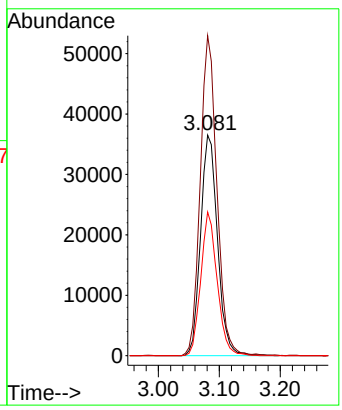




#21
trans-1,2-Dichloroethene
Concen: 48.421 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 96 Resp: 7057

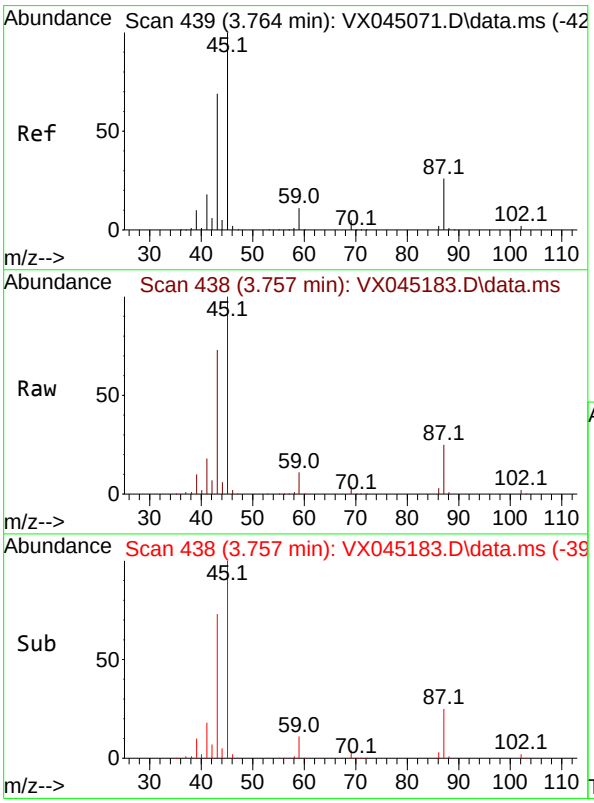
Ion	Ratio	Lower	Upper
96	100		
61	145.0	117.0	175.4
98	65.1	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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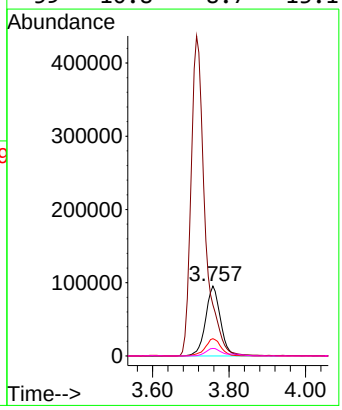
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

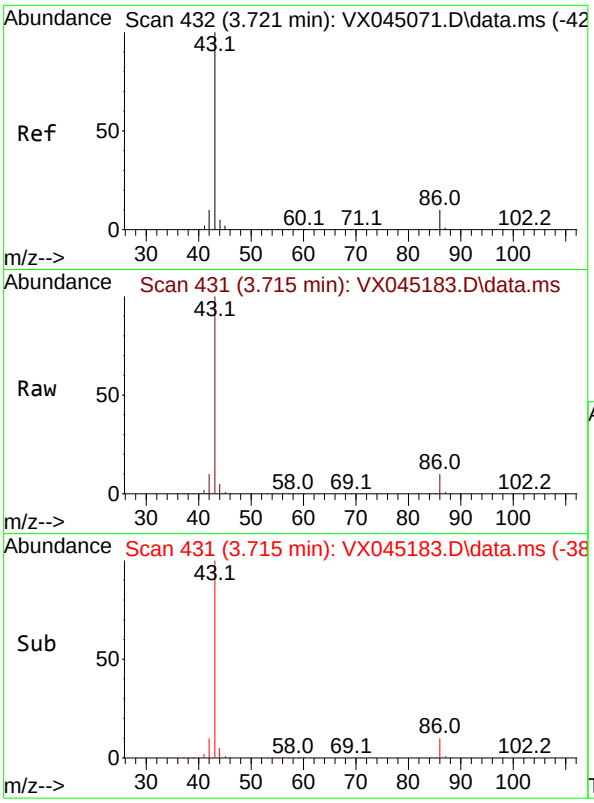


#22
Diisopropyl ether
Concen: 48.472 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 45 Resp: 258893

Ion	Ratio	Lower	Upper
45	100		
43	72.8	54.9	82.3
87	24.7	21.0	31.4
59	10.8	8.7	13.1





#23
Vinyl Acetate
Concen: 248.018 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

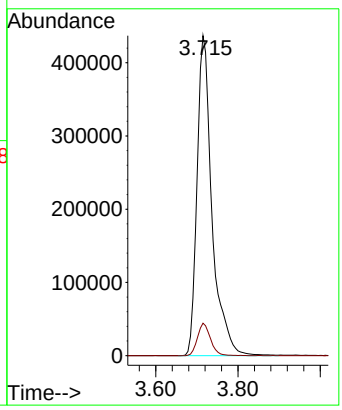
Tgt Ion: 43 Resp: 110547

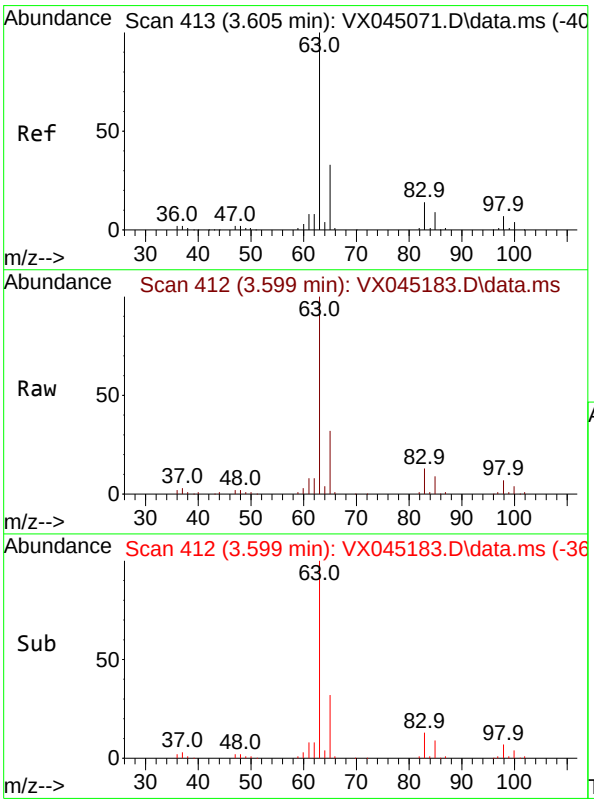
Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

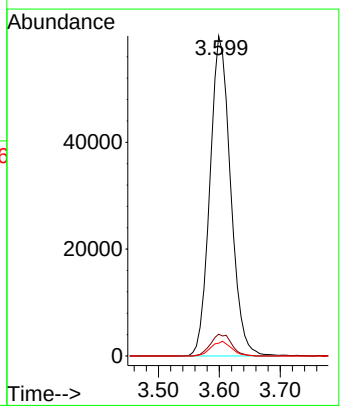


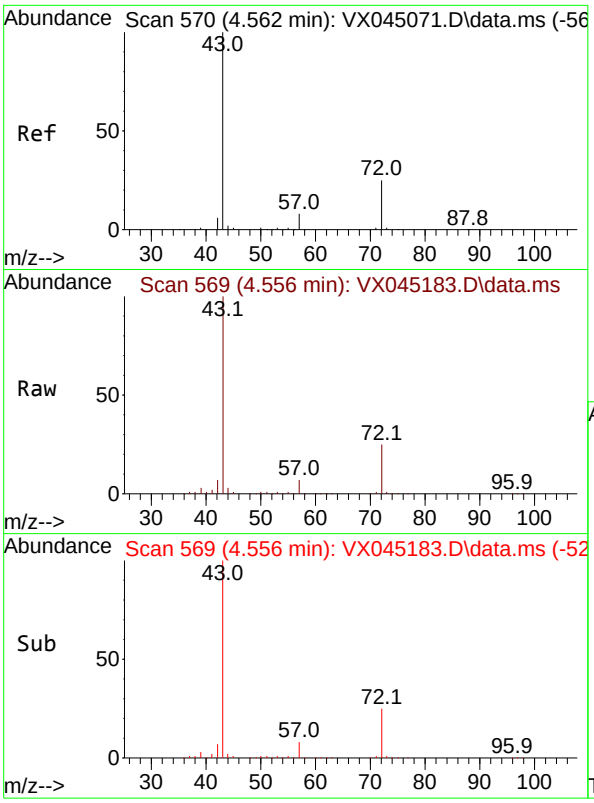


#24
1,1-Dichloroethane
Concen: 47.153 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 63 Resp: 141147

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.0	2.1	6.5





#25
2-Butanone
Concen: 230.475 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

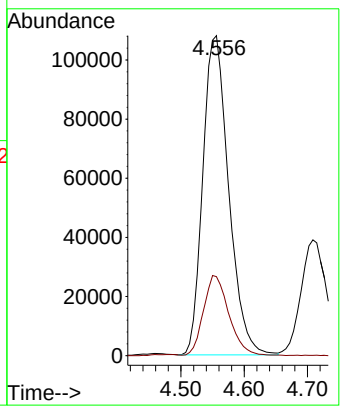
Tgt Ion: 43 Resp: 30741

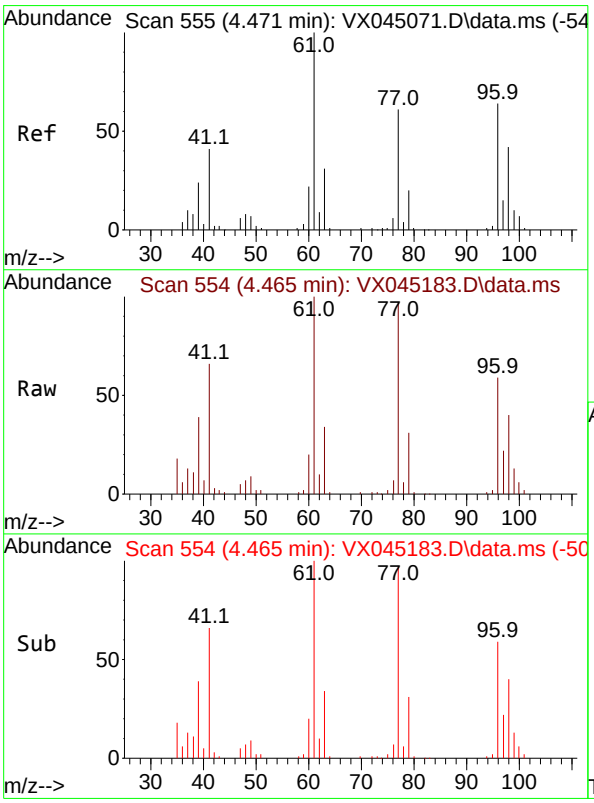
Ion	Ratio	Lower	Upper
43	100		
72	24.5	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

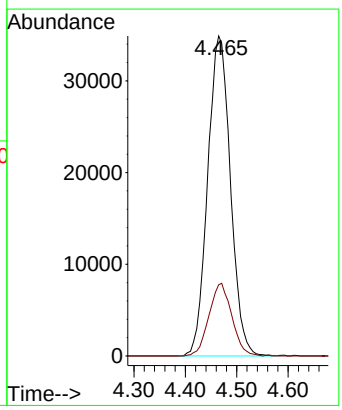


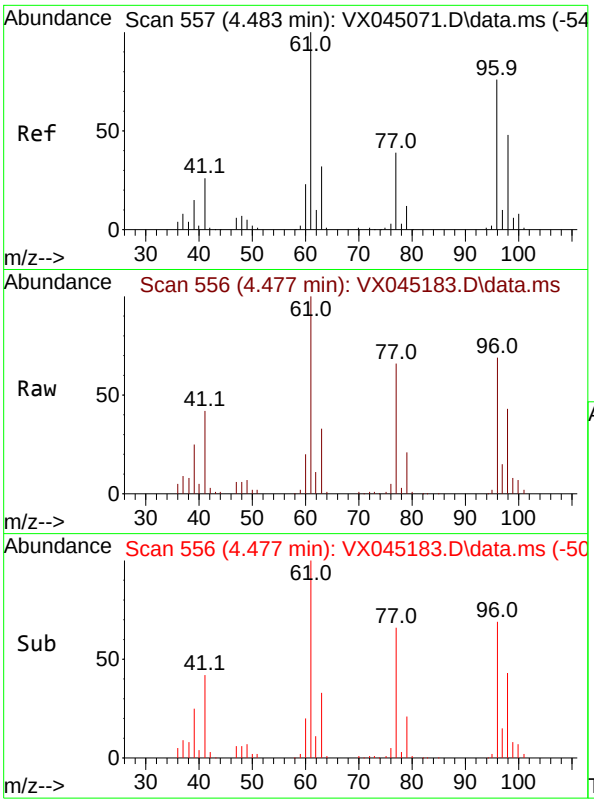


#26
2,2-Dichloropropane
Concen: 76.455 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 77 Resp: 107346

Ion	Ratio	Lower	Upper
77	100		
97	22.7	12.4	37.0

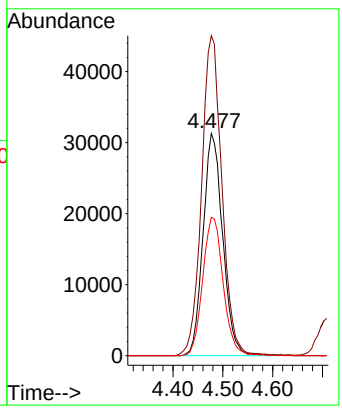




#27
cis-1,2-Dichloroethene
Concen: 47.570 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 96 Resp: 8559

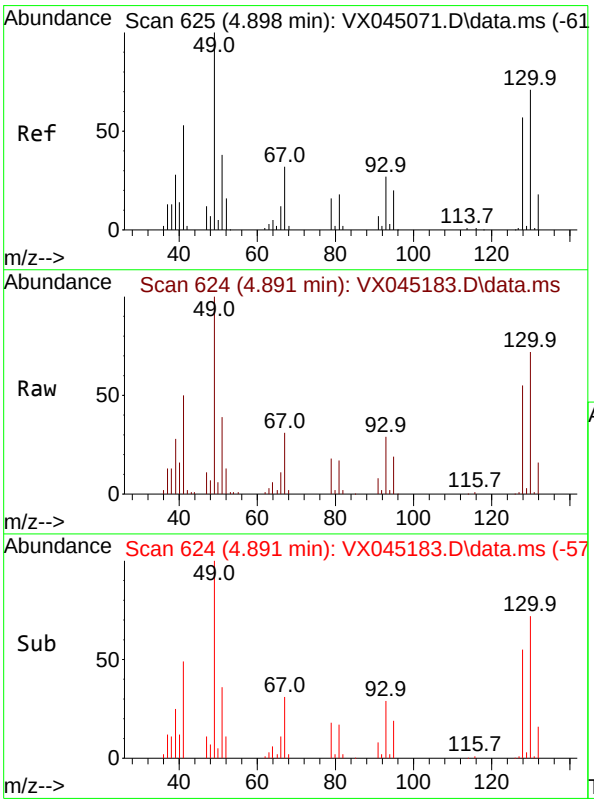
Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	283.2
98	64.8	0.0	128.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

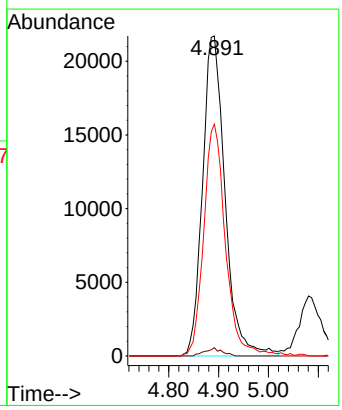
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

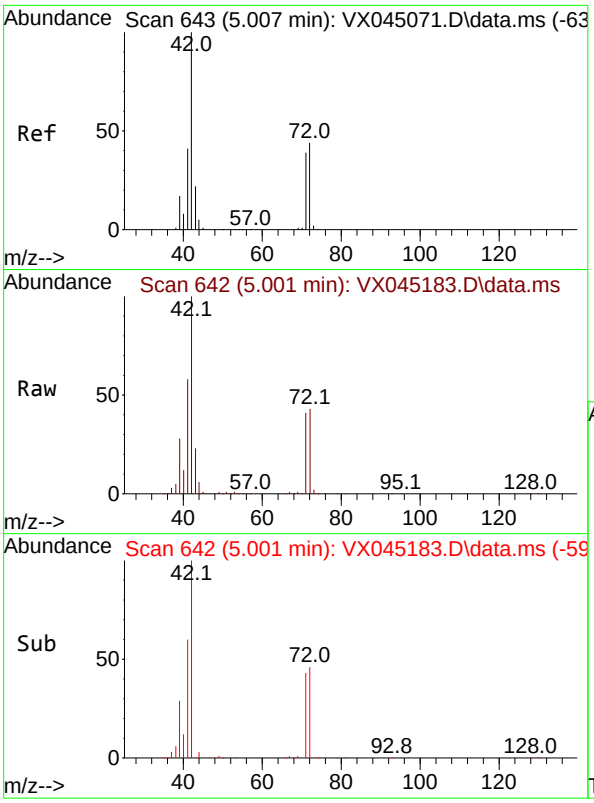


#28
Bromochloromethane
Concen: 47.656 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 49 Resp: 67994

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	70.2	56.1	84.1





#29
Tetrahydrofuran
Concen: 218.029 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

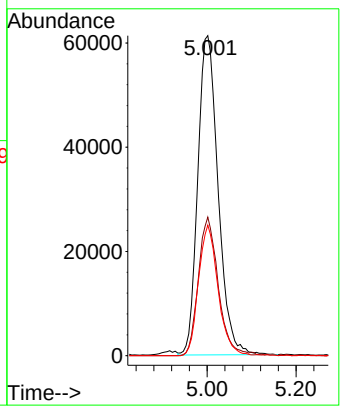
Tgt Ion: 42 Resp: 19529

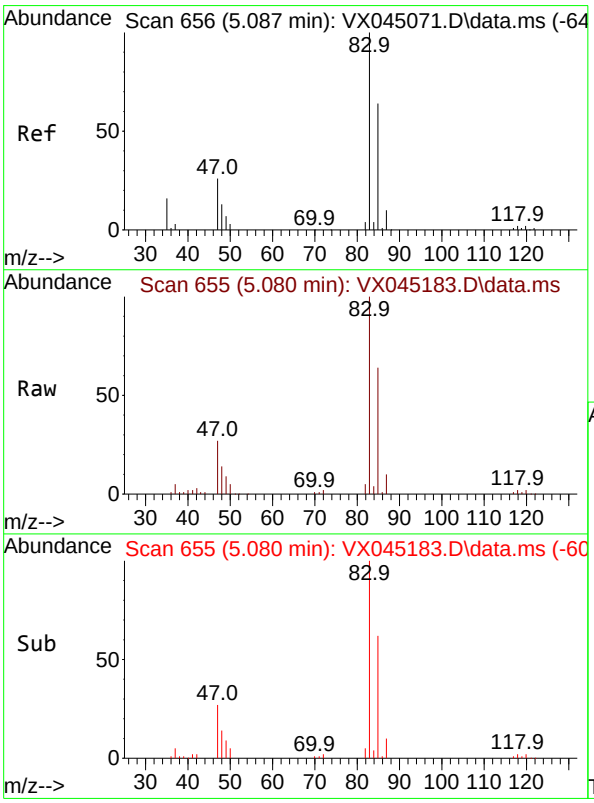
Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	39.4	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

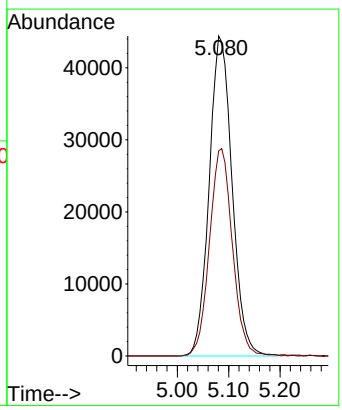


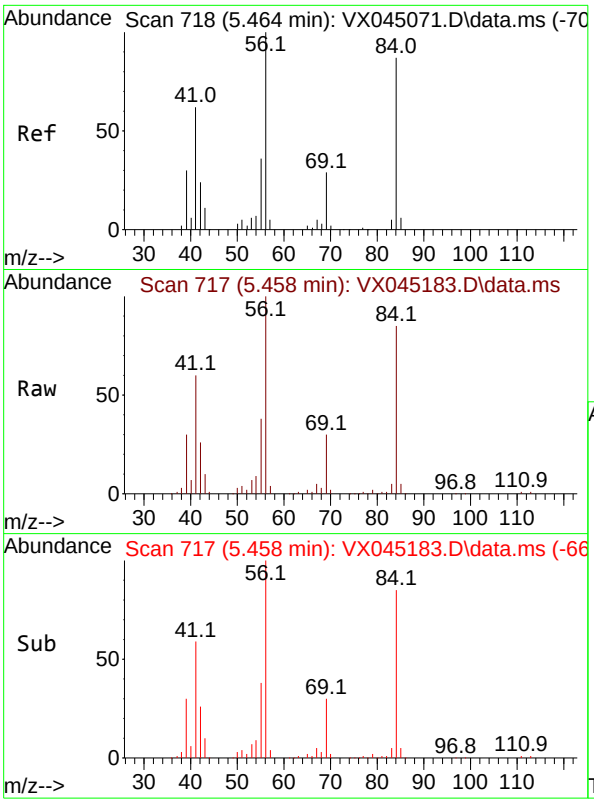


#30
Chloroform
Concen: 46.287 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 83 Resp: 137670

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.2

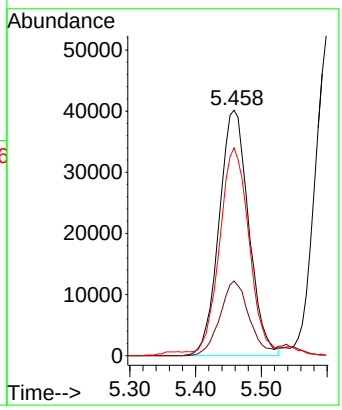




#31
Cyclohexane
Concen: 48.363 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 56 Resp: 12566

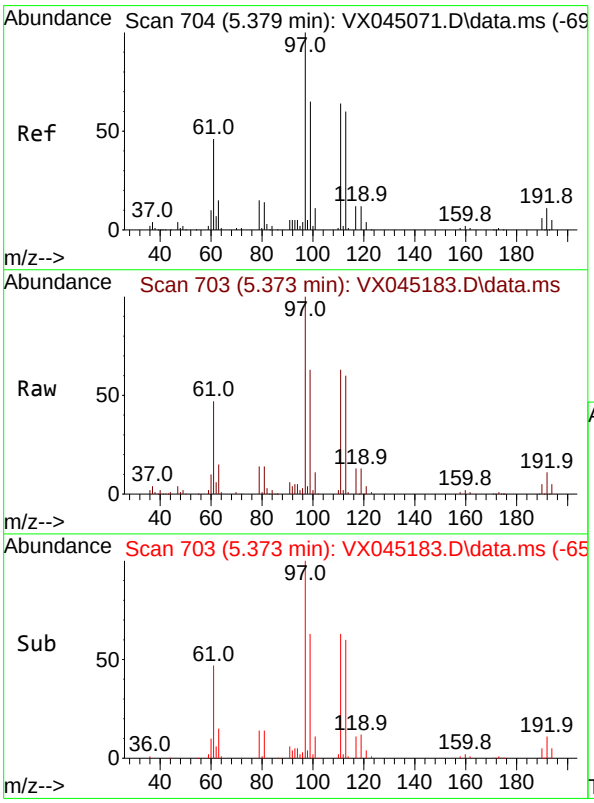
Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.4	35.2
84	83.0	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

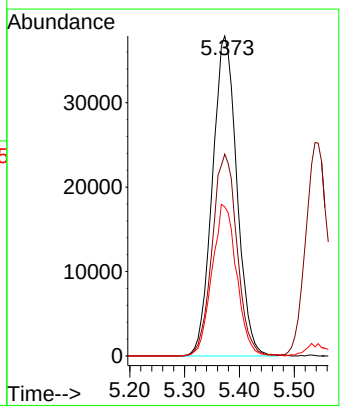
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

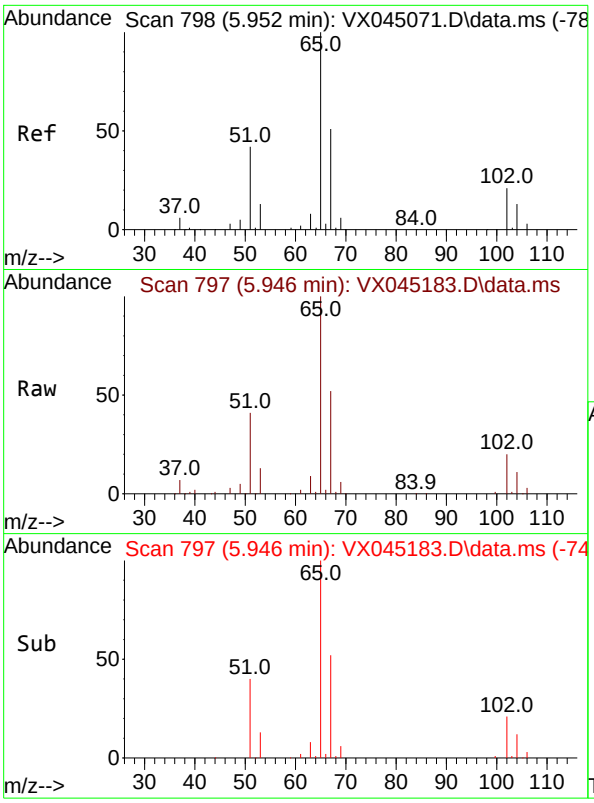


#32
1,1,1-Trichloroethane
Concen: 48.857 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 97 Resp: 117363

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	47.8	38.4	57.6

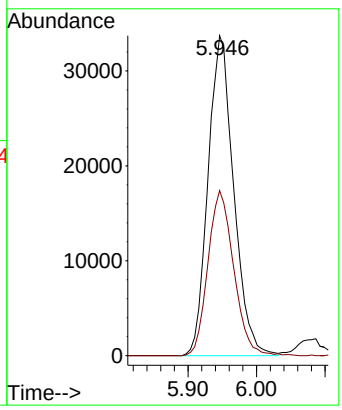




#33
1,2-Dichloroethane-d4
Concen: 45.875 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 65 Resp: 8761

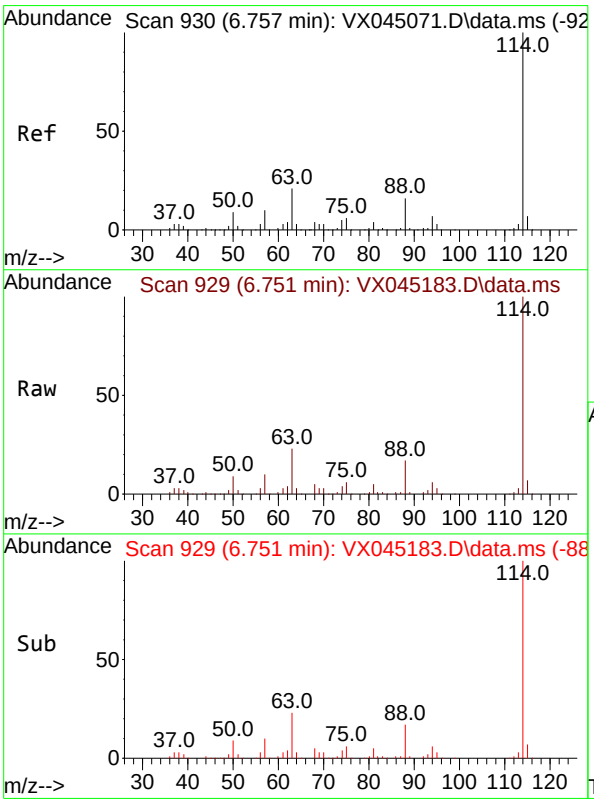
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

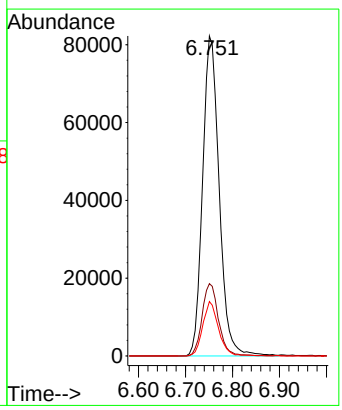
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

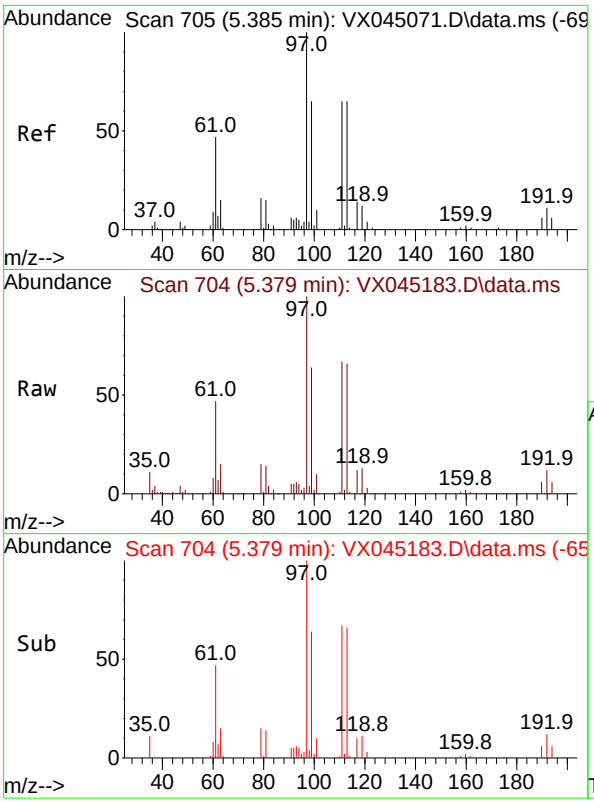


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:114 Resp: 201201

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	41.8
88	17.0	0.0	32.8

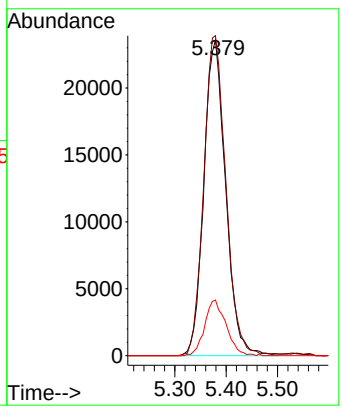




#35
Dibromofluoromethane
Concen: 51.577 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:113 Resp: 6939

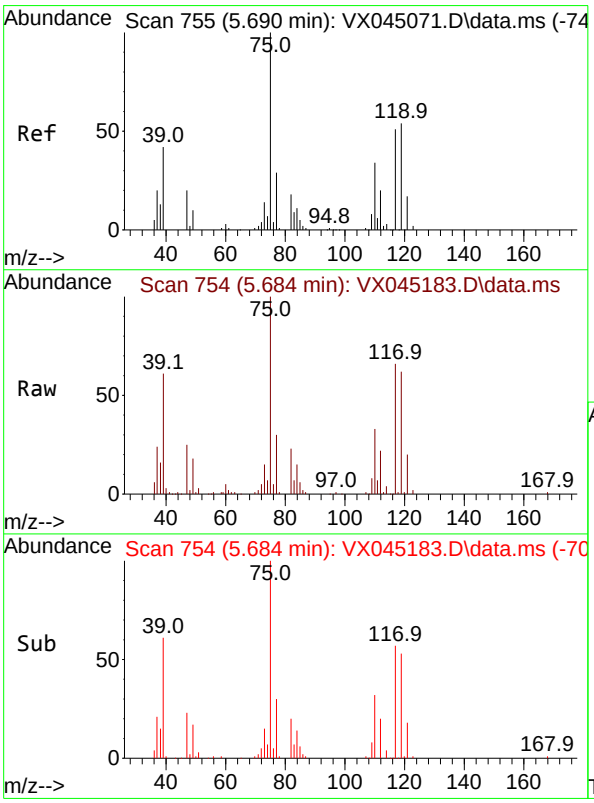
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.3	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

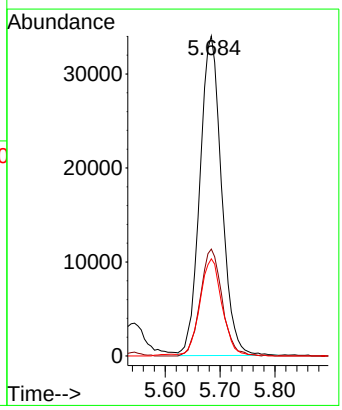
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

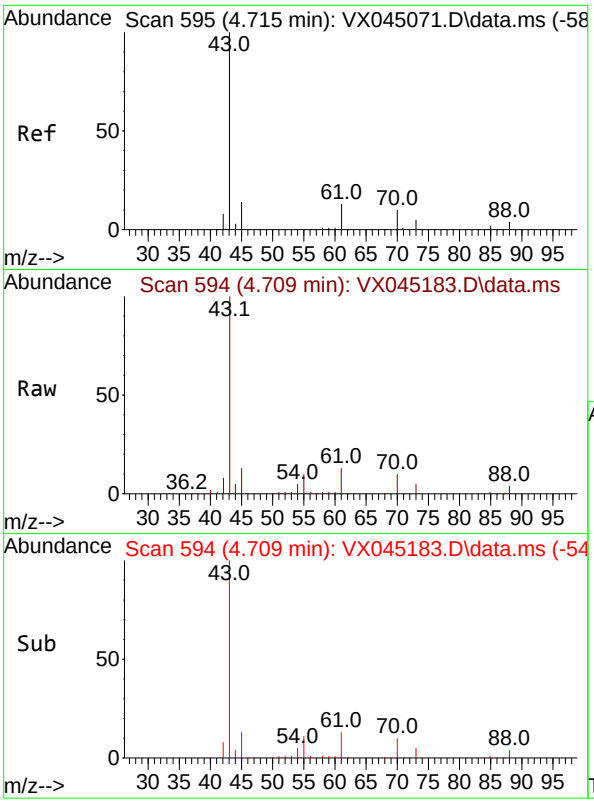


#36
1,1-Dichloropropene
Concen: 50.714 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 75 Resp: 93569

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.6
77	31.5	24.5	36.7

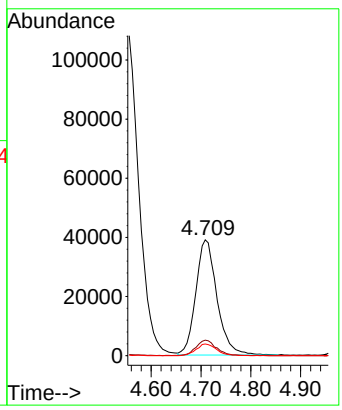




#37
Ethyl Acetate
Concen: 48.532 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 43 Resp: 11538

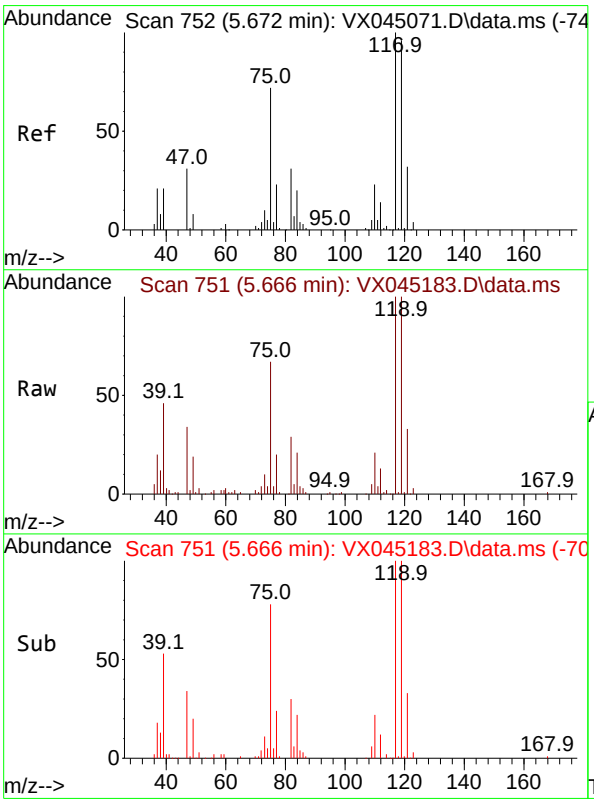
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	9.8	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

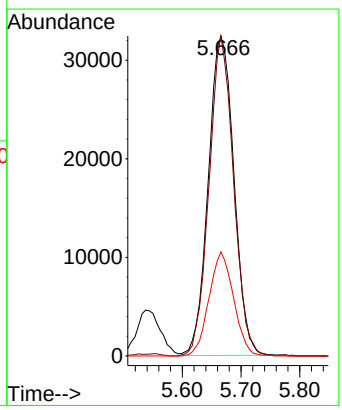
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

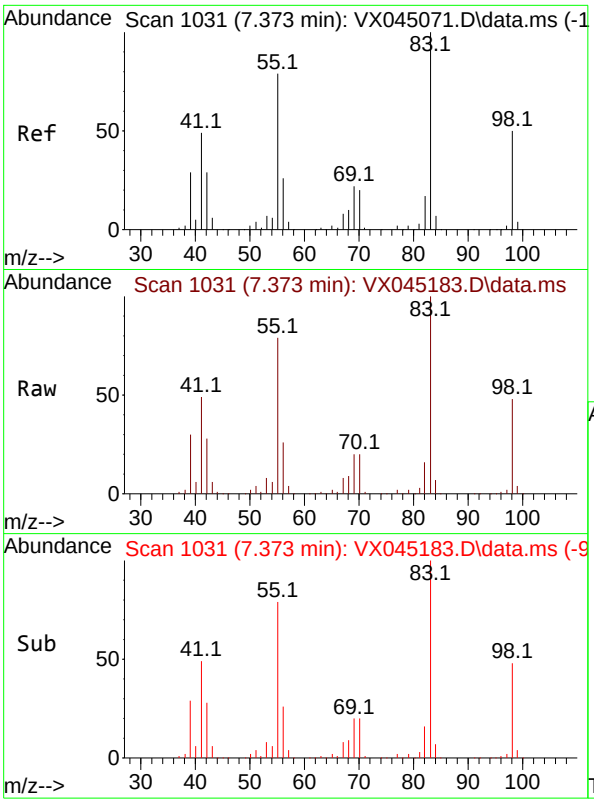


#38
Carbon Tetrachloride
Concen: 52.483 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:117 Resp: 98310

Ion	Ratio	Lower	Upper
117	100		
119	100.4	76.7	115.1
121	32.6	25.5	38.3

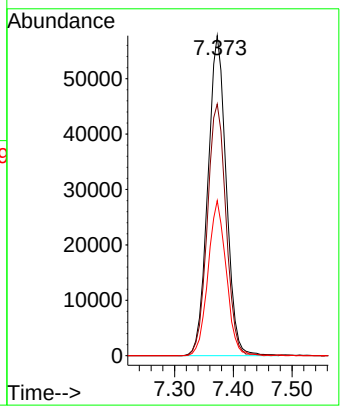




#39
Methylcyclohexane
Concen: 56.716 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 83 Resp: 12538

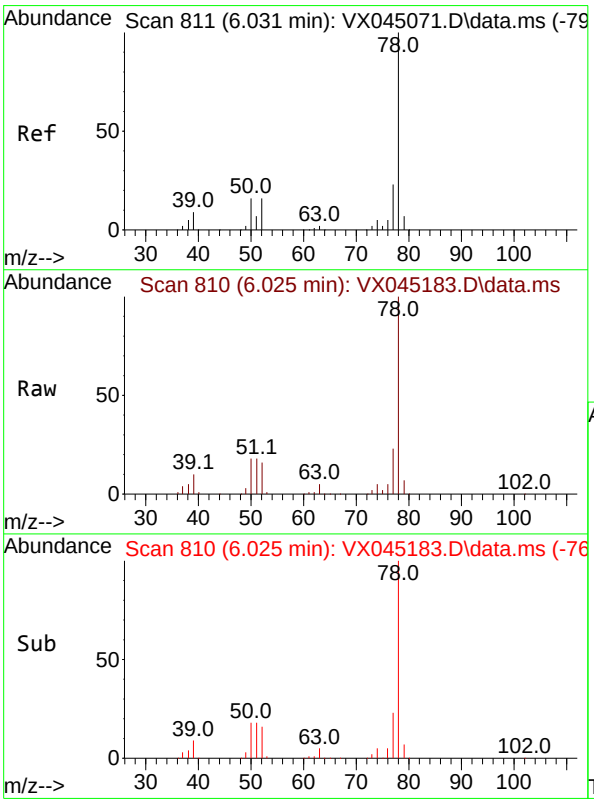
Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.0	94.4
98	48.5	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

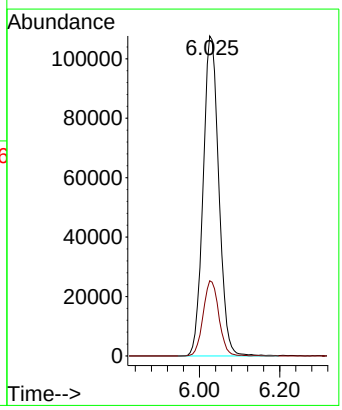
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

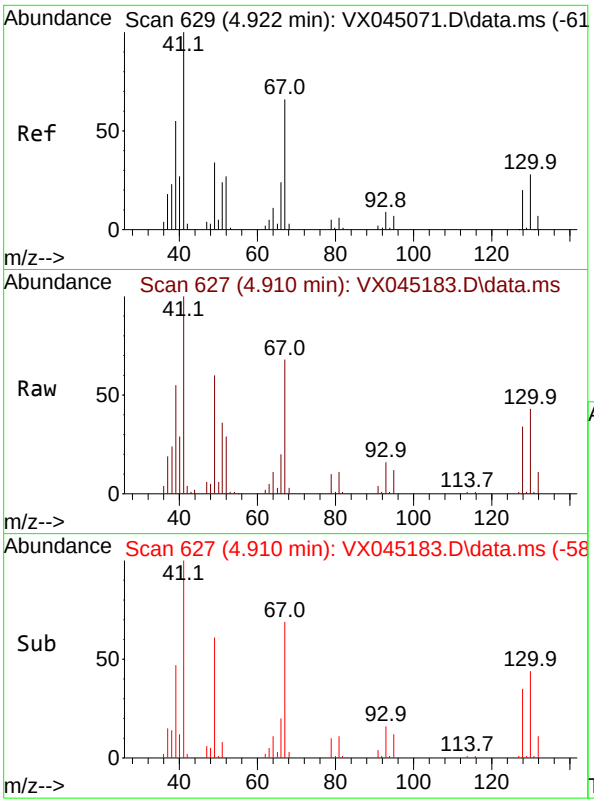


#40
Benzene
Concen: 50.155 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 78 Resp: 292214

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

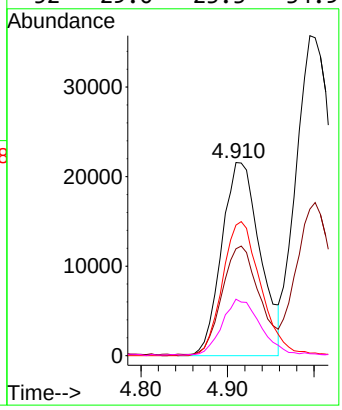




#41
Methacrylonitrile
Concen: 51.791 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 41 Resp: 6657

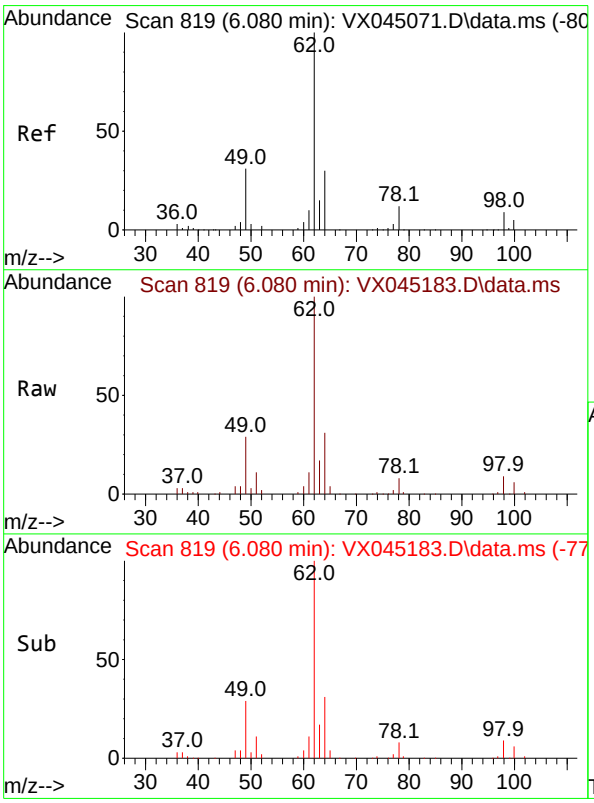
Ion	Ratio	Lower	Upper
41	100		
39	55.1	44.6	67.0
67	69.3	53.9	80.9
52	29.0	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

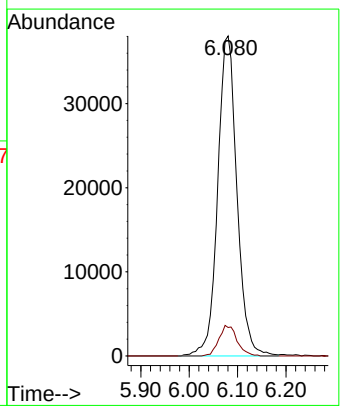
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

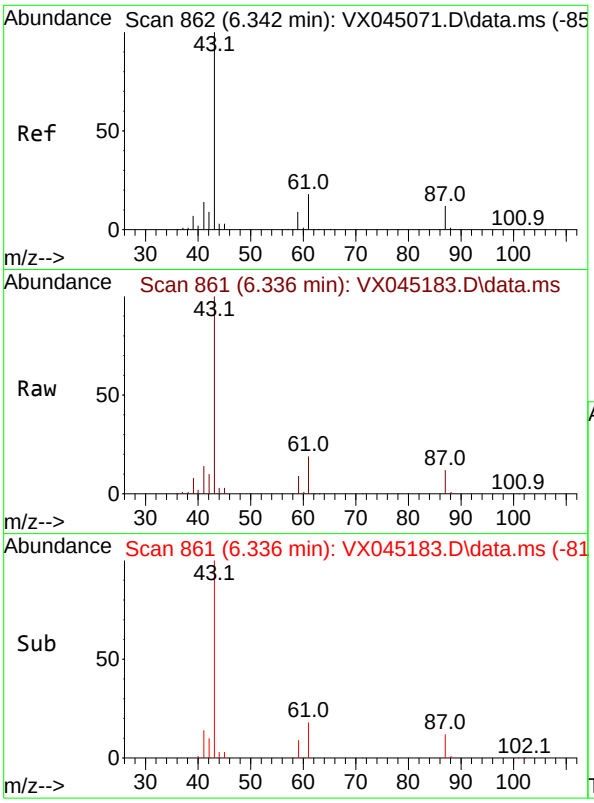


#42
1,2-Dichloroethane
Concen: 50.066 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 62 Resp: 105041

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2

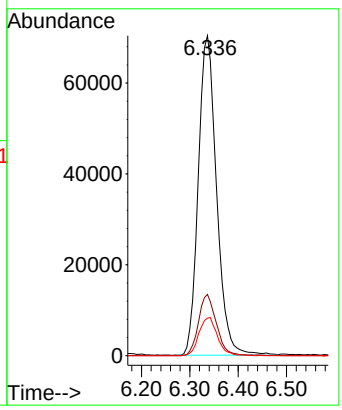




#43
Isopropyl Acetate
Concen: 52.608 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 43 Resp: 18495

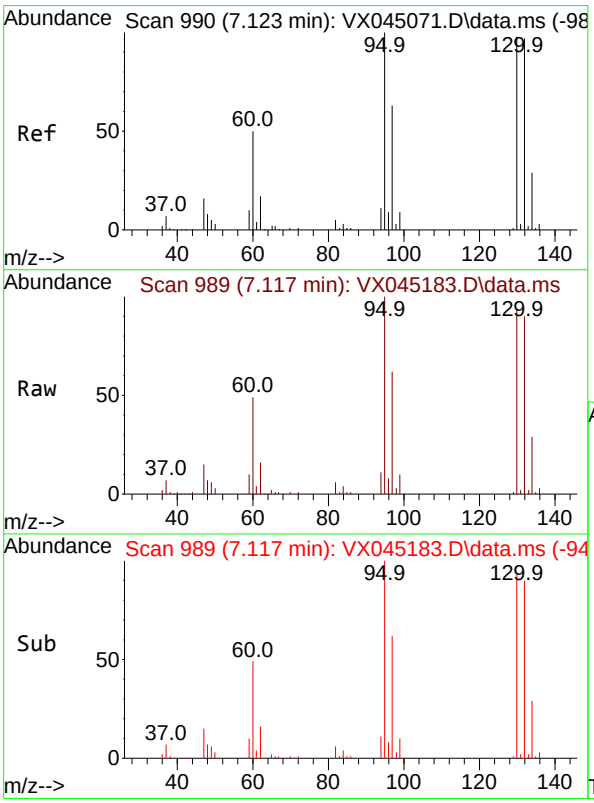
Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	12.0	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

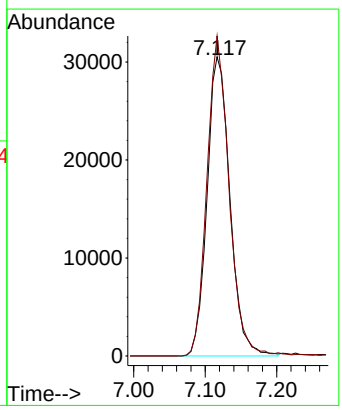
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

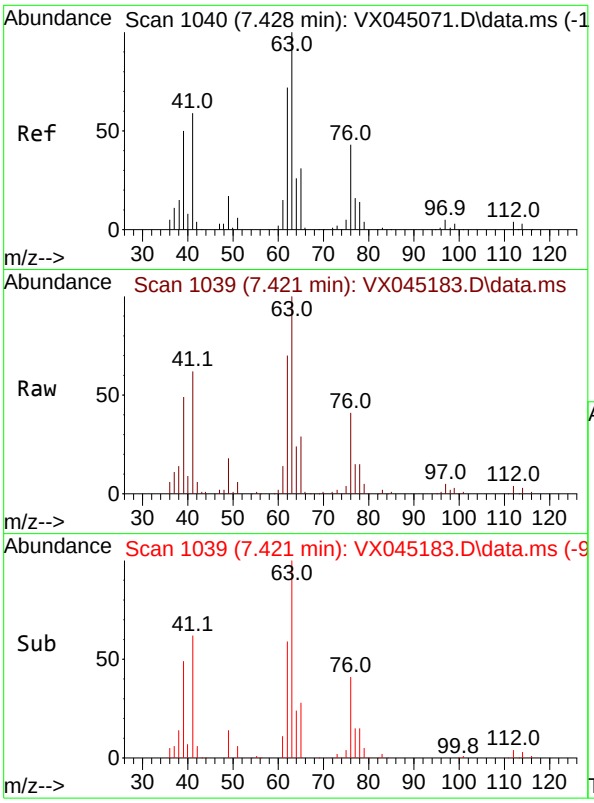


#44
Trichloroethene
Concen: 49.573 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:130 Resp: 67819

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	205.0

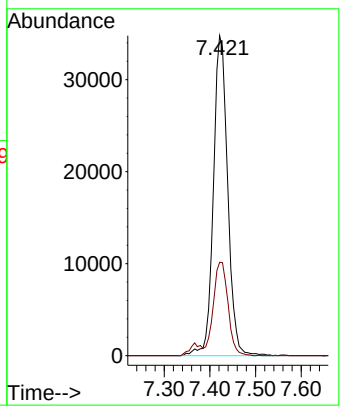




#45
1,2-Dichloropropane
Concen: 50.538 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 63 Resp: 7570

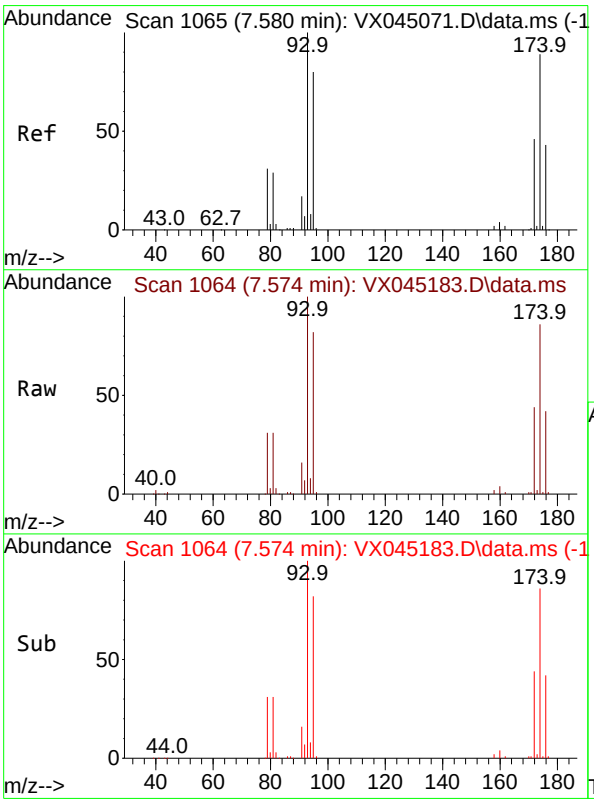
Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

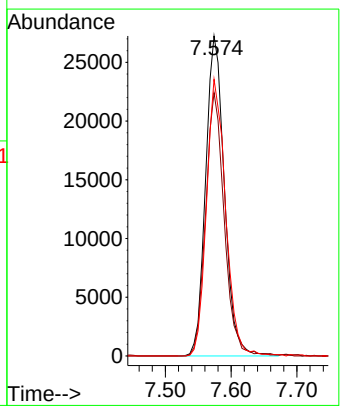
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

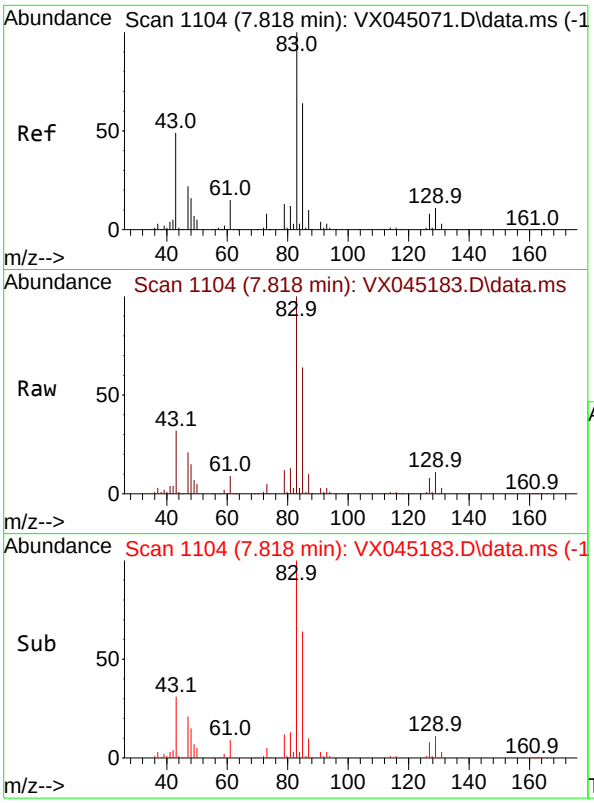


#46
Dibromomethane
Concen: 51.179 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 93 Resp: 54188

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.8	98.8
174	88.1	72.2	108.2

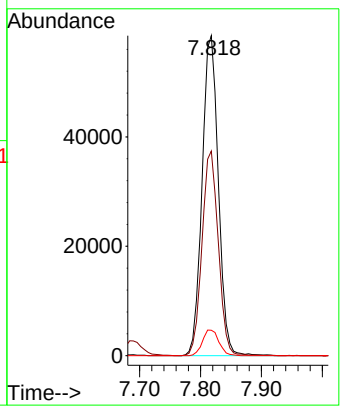




#47
Bromodichloromethane
Concen: 52.199 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 83 Resp: 10840

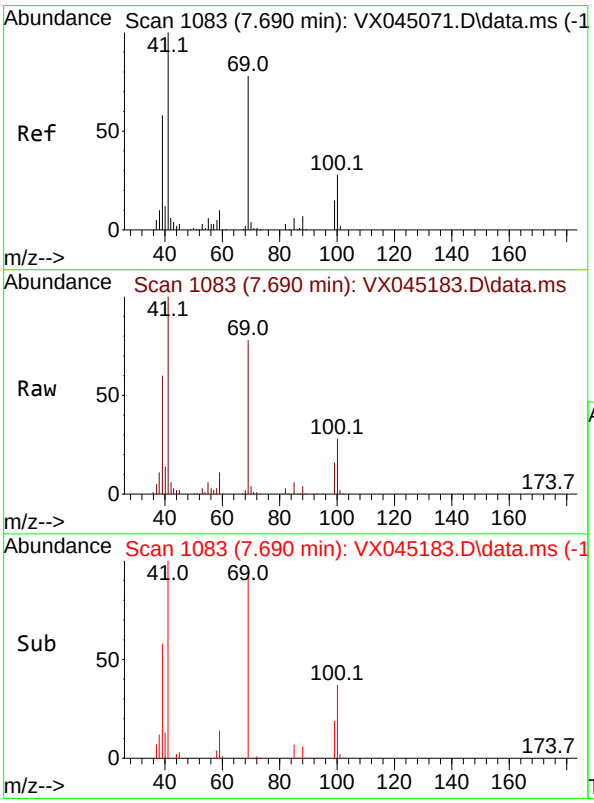
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	7.9	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

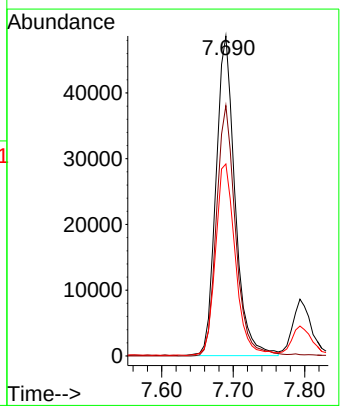
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

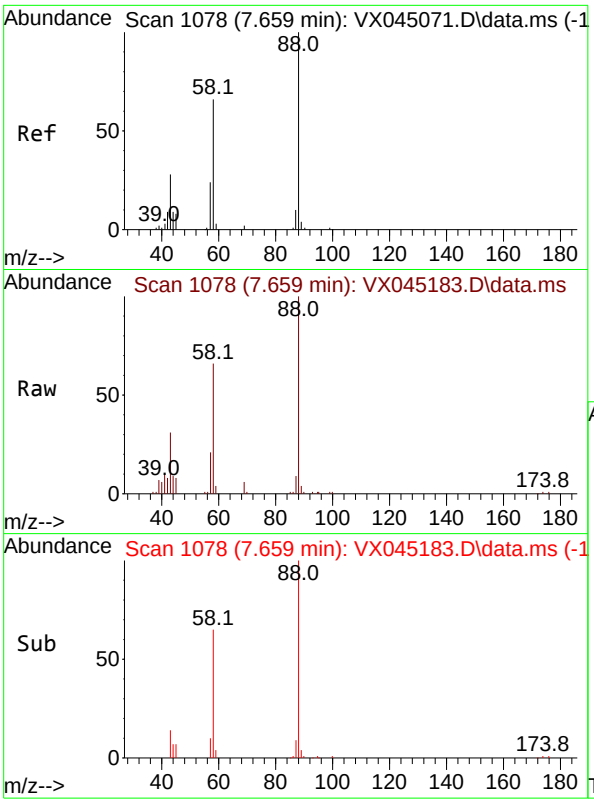


#48
Methyl methacrylate
Concen: 50.975 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 41 Resp: 89906

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	62.5	47.5	71.3





#49
1,4-Dioxane
Concen: 836.168 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

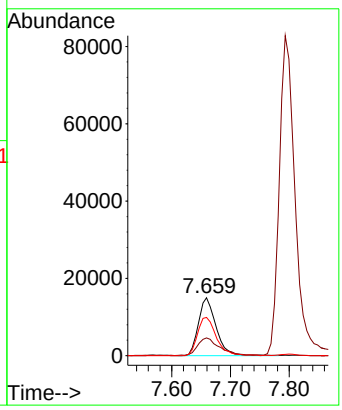
Tgt Ion: 88 Resp: 3110

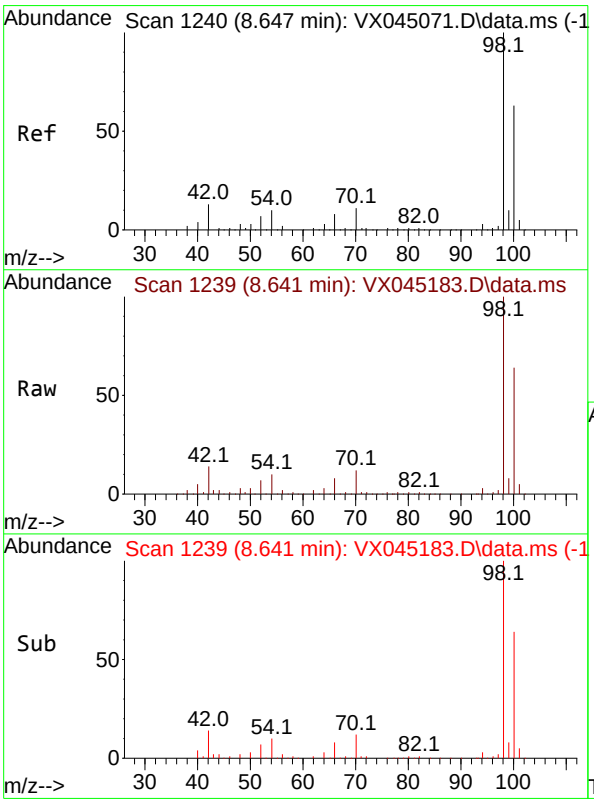
Ion	Ratio	Lower	Upper
88	100		
43	37.1	28.7	43.1
58	70.8	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

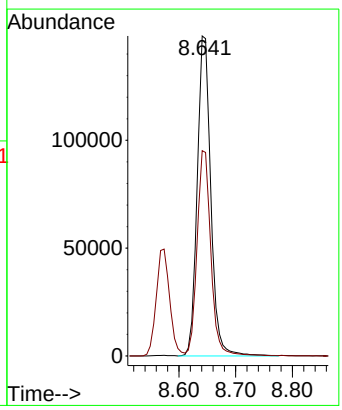


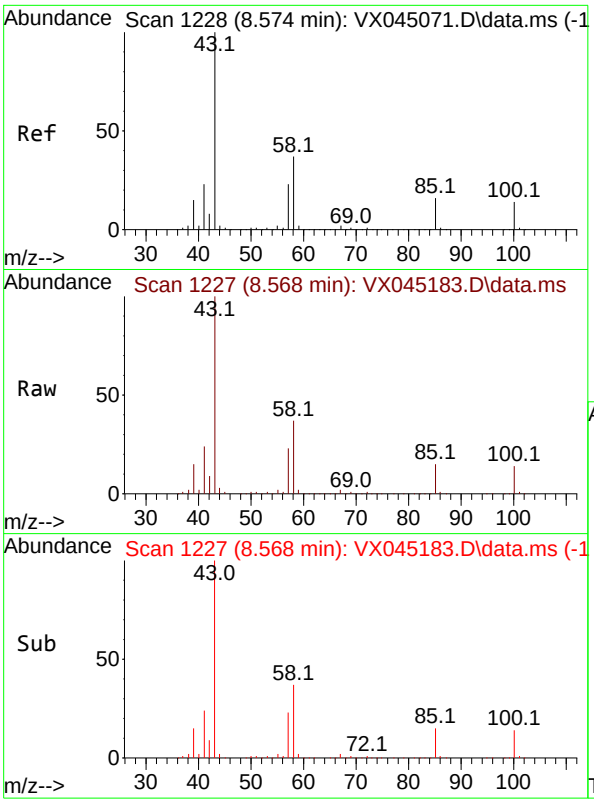


#50
Toluene-d8
Concen: 50.697 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 98 Resp: 247275

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0

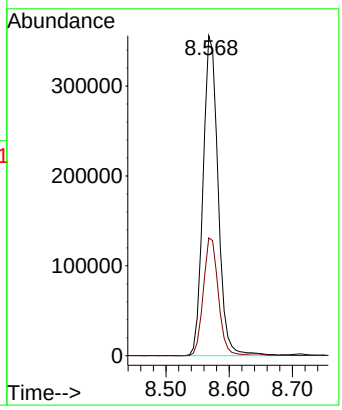




#51
4-Methyl-2-Pentanone
Concen: 249.597 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 43 Resp: 58918

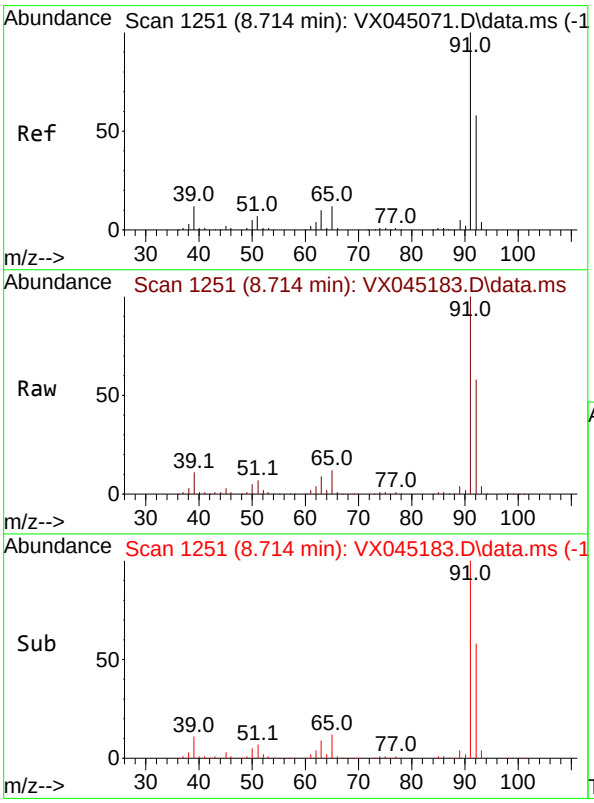
Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

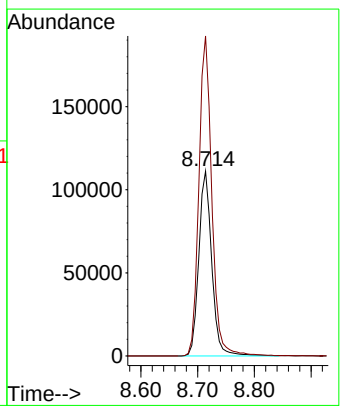
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

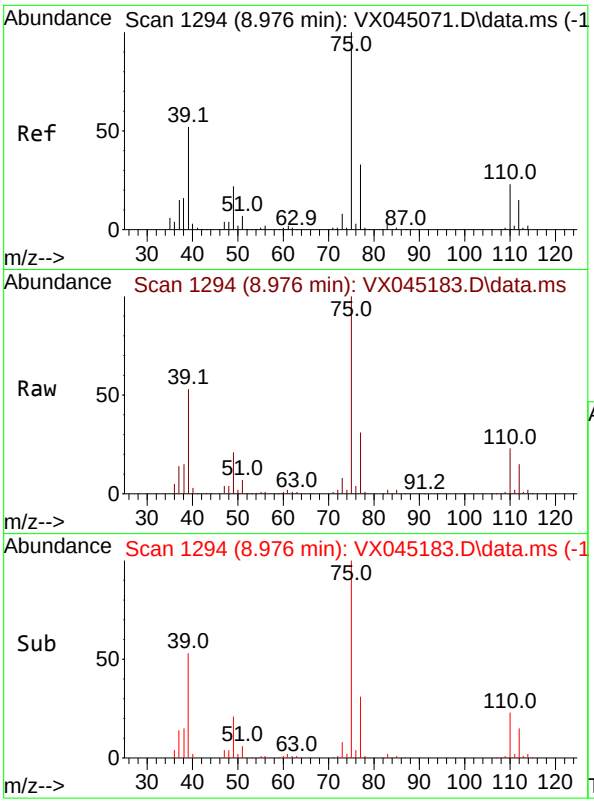


#52
Toluene
Concen: 51.516 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 92 Resp: 176101

Ion	Ratio	Lower	Upper
92	100		
91	172.9	138.9	208.3

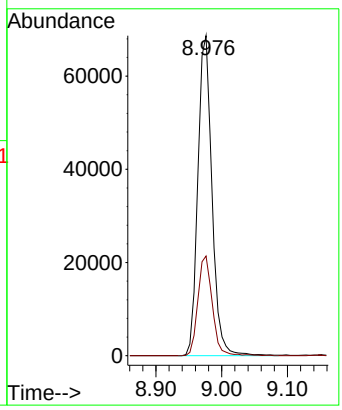




#53
t-1,3-Dichloropropene
Concen: 59.017 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 75 Resp: 10246

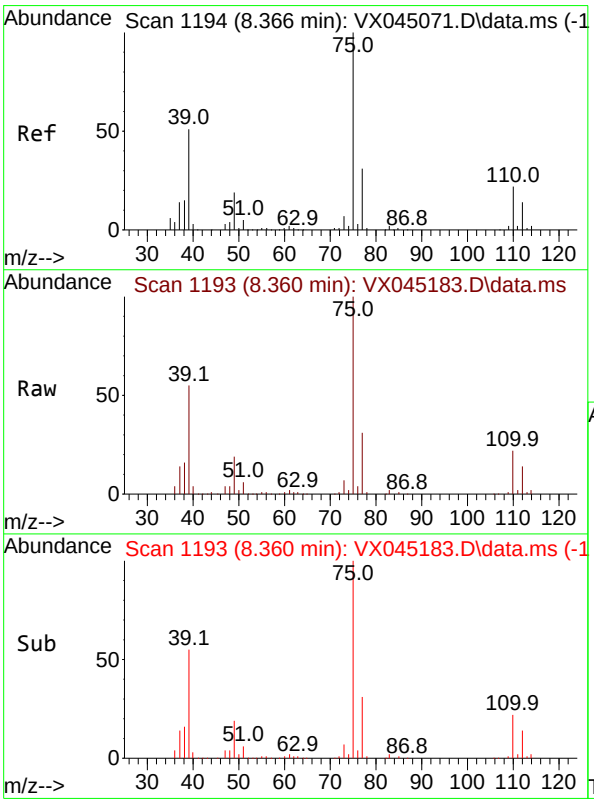
Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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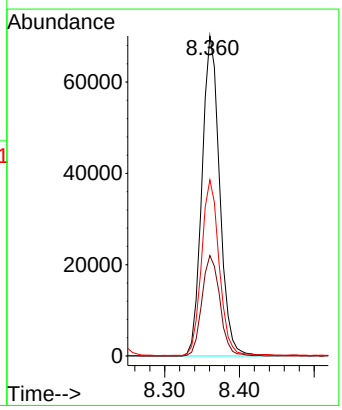
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

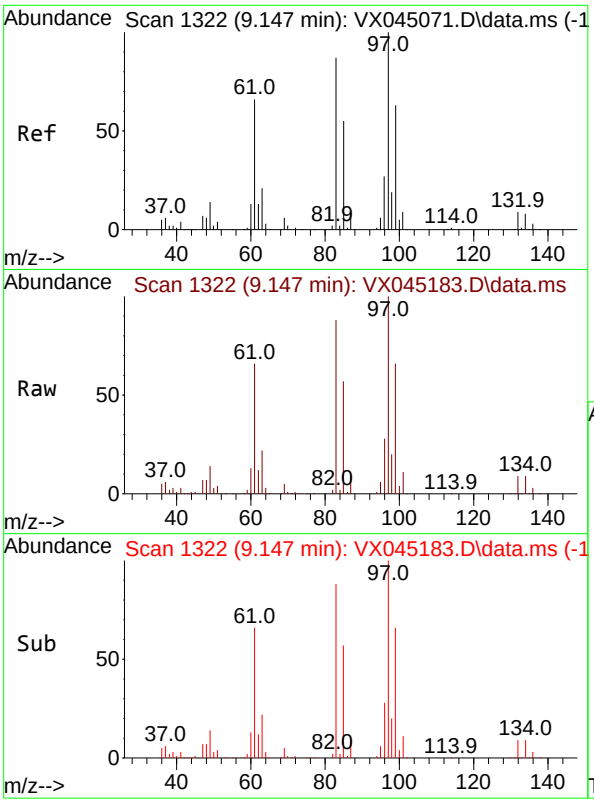


#54
cis-1,3-Dichloropropene
Concen: 56.928 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 75 Resp: 115256

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.7	37.1
39	54.8	40.7	61.1

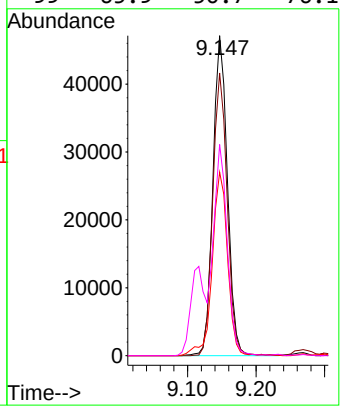




#55
1,1,2-Trichloroethane
Concen: 49.085 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 97 Resp: 6907

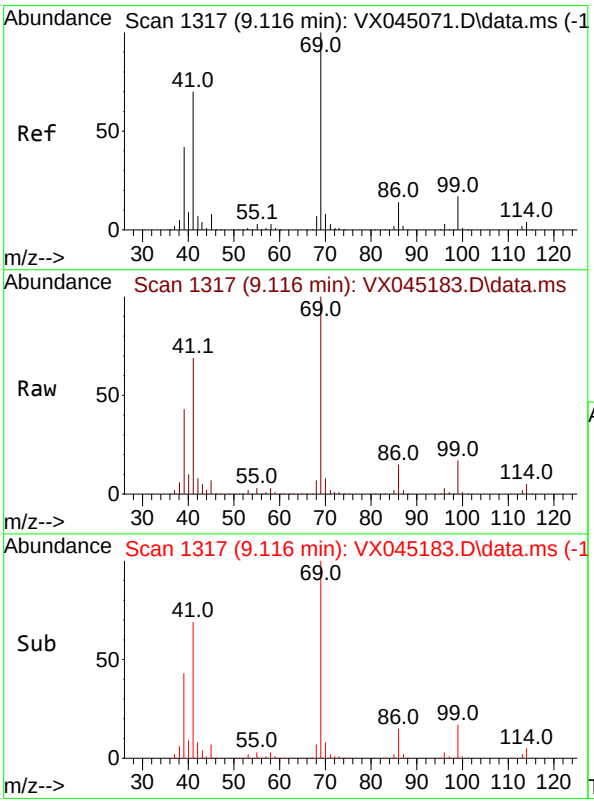
Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.4	104.2
85	57.3	44.1	66.1
99	65.9	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

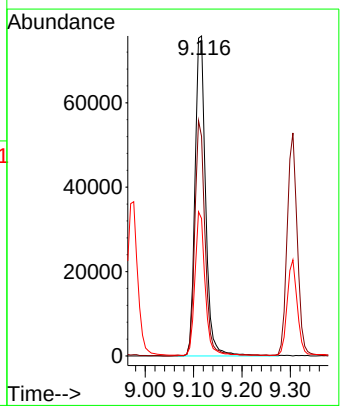
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

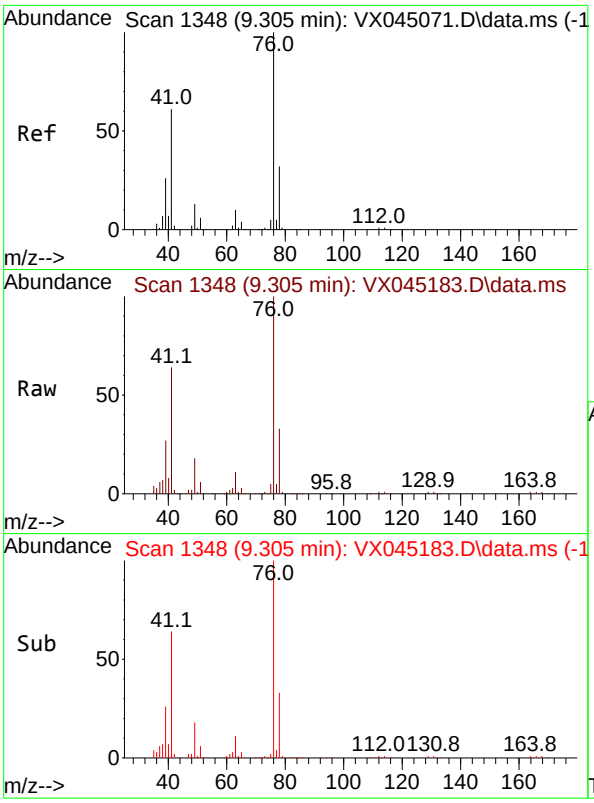


#56
Ethyl methacrylate
Concen: 53.926 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 69 Resp: 115354

Ion	Ratio	Lower	Upper
69	100		
41	71.4	57.0	85.4
39	43.0	34.2	51.4

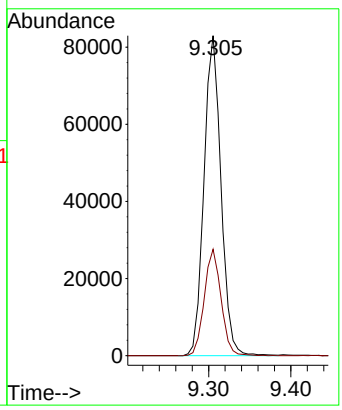




#57
1,3-Dichloropropane
Concen: 48.945 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 76 Resp: 11919

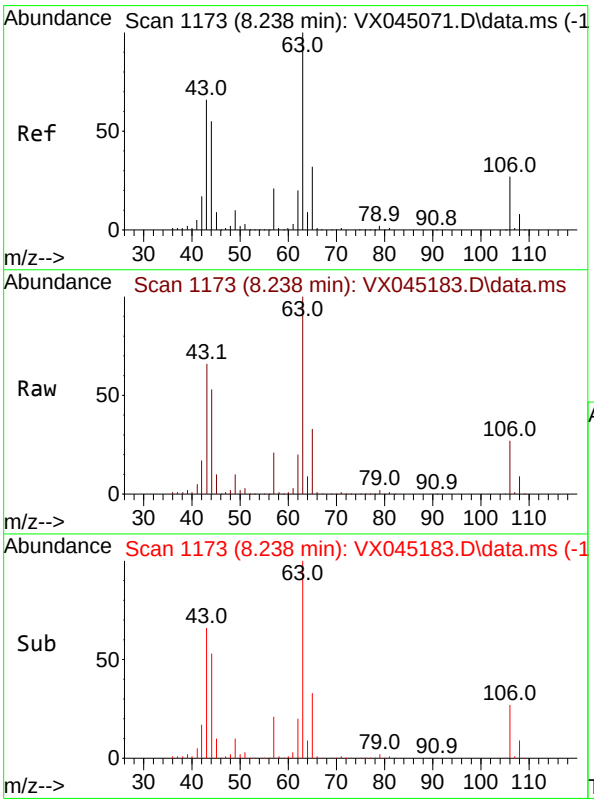
Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

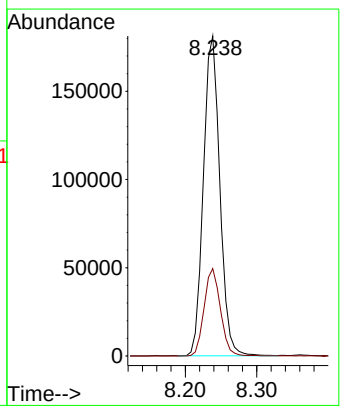
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

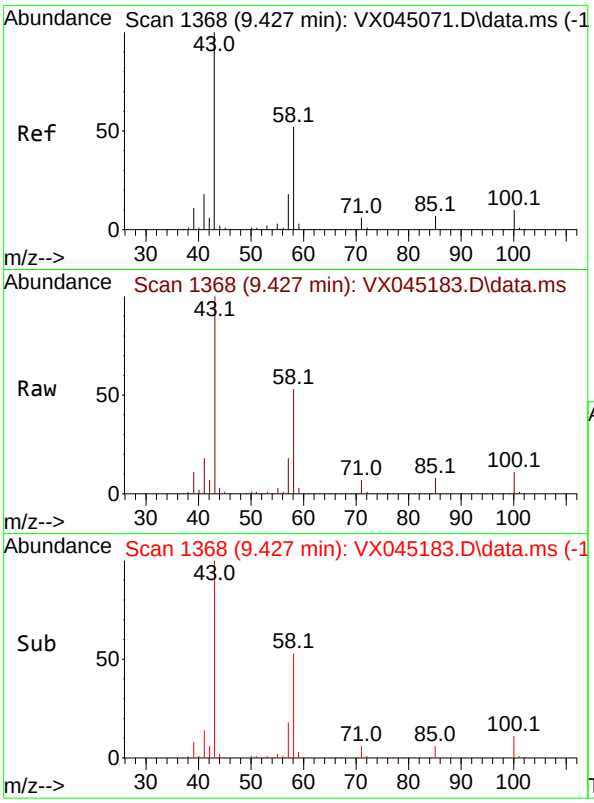


#58
2-Chloroethyl Vinyl ether
Concen: 277.227 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 63 Resp: 289282

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3





#59
2-Hexanone
Concen: 247.351 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

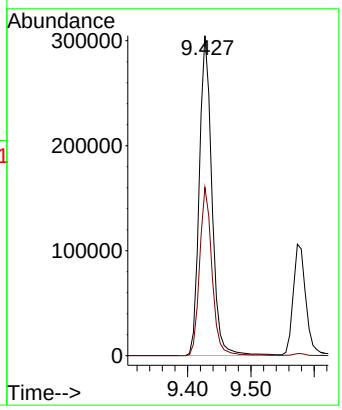
Tgt Ion: 43 Resp: 42304

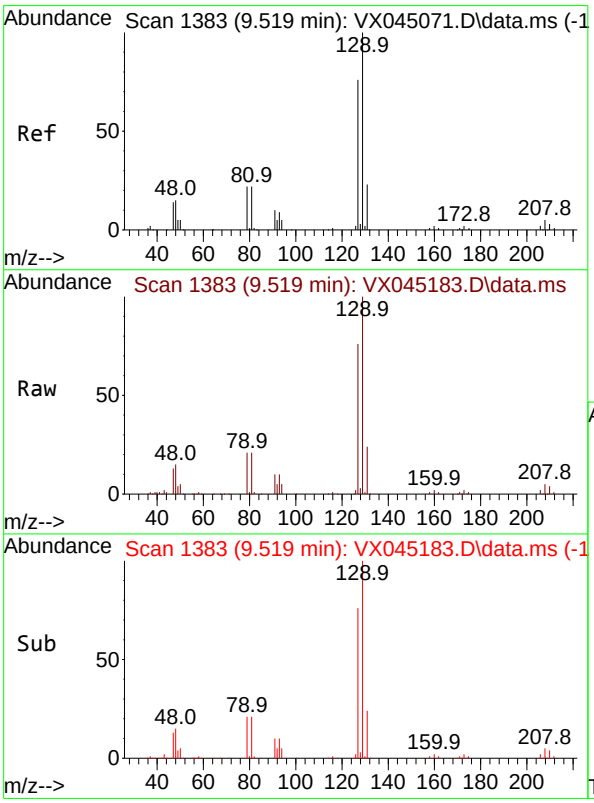
Ion	Ratio	Lower	Upper
43	100		
58	52.0	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

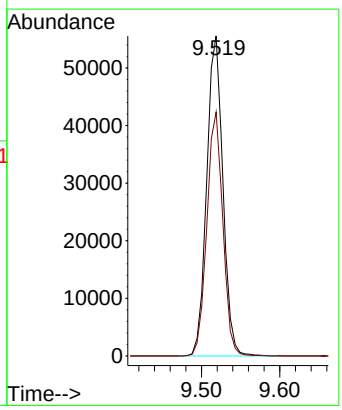


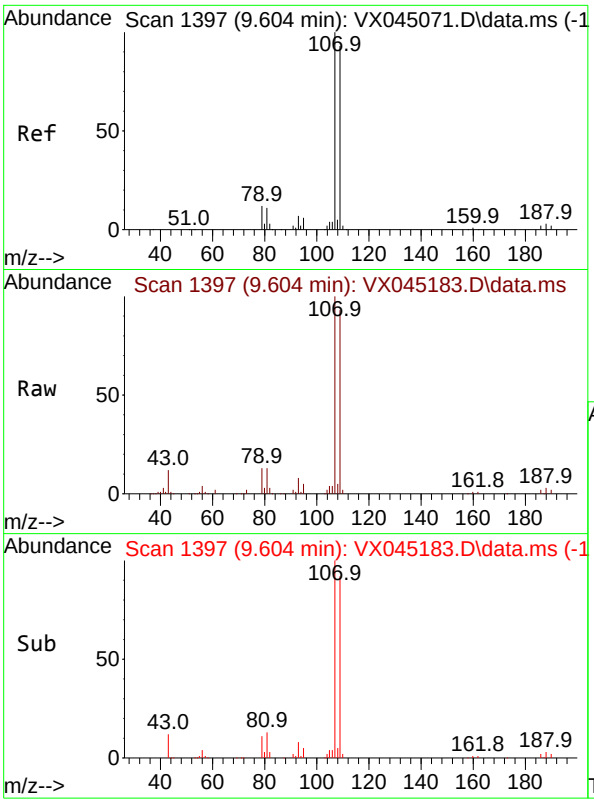


#60
Dibromochloromethane
Concen: 53.957 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:129 Resp: 79393

Ion	Ratio	Lower	Upper
129	100		
127	75.3	38.5	115.5

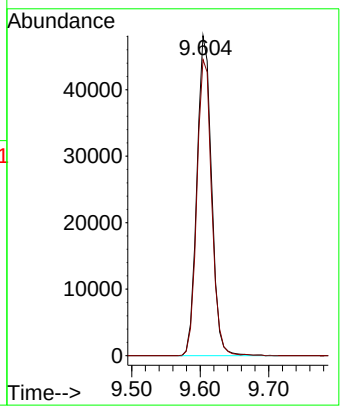




#61
1,2-Dibromoethane
Concen: 50.868 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:107 Resp: 7146

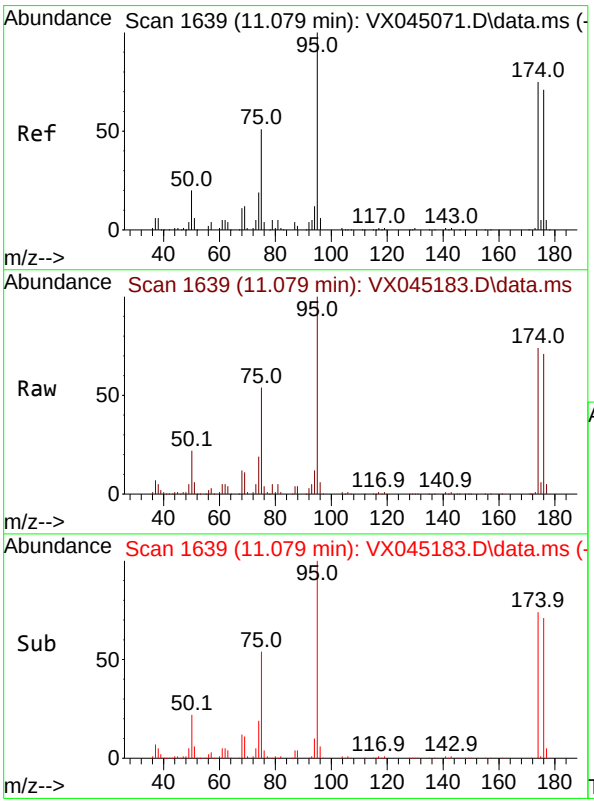
Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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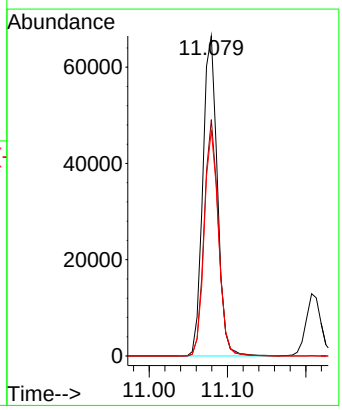
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

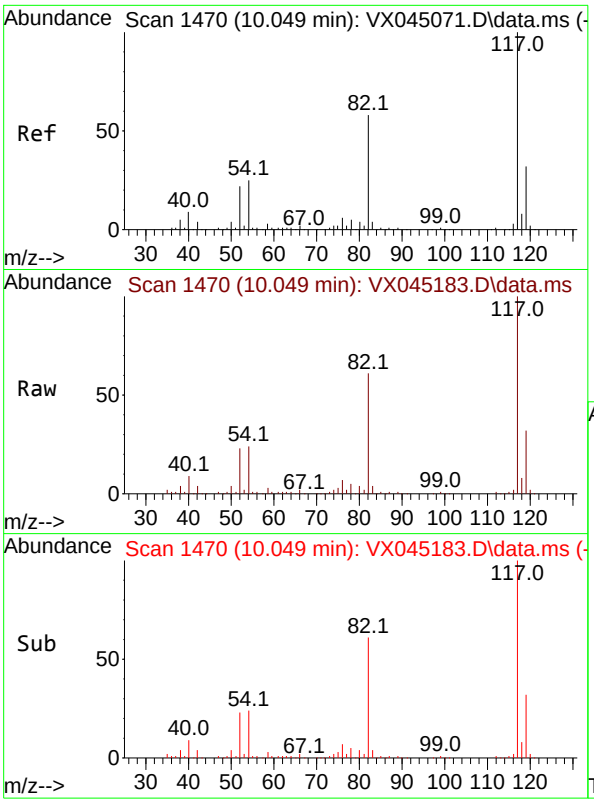


#62
4-Bromofluorobenzene
Concen: 53.054 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 95 Resp: 85749

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

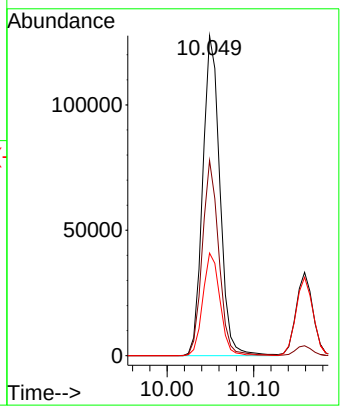




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:117 Resp: 17559

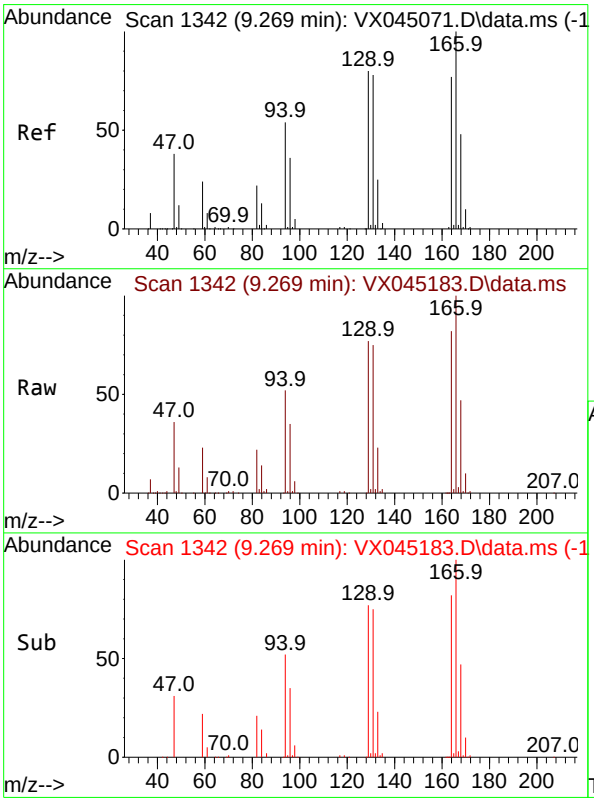
Ion	Ratio	Lower	Upper
117	100		
82	61.0	46.3	69.5
119	32.1	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

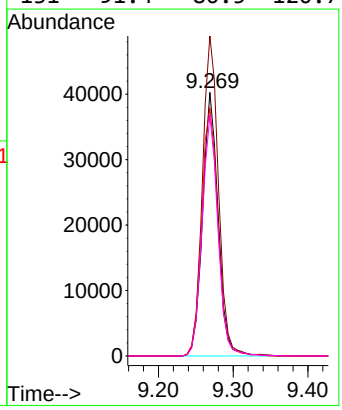
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

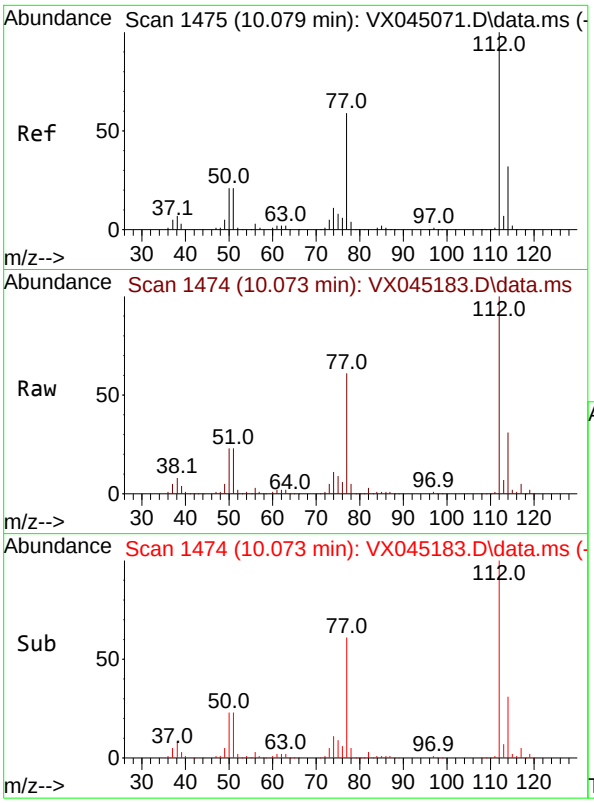


#64
Tetrachloroethene
Concen: 51.762 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:164 Resp: 58211

Ion	Ratio	Lower	Upper
164	100		
166	121.4	103.6	155.4
129	93.9	82.7	124.1
131	91.4	80.5	120.7

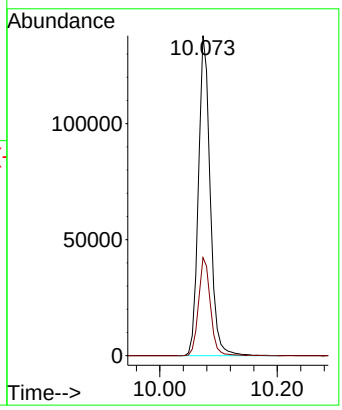




#65
Chlorobenzene
Concen: 51.488 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:112 Resp: 19130

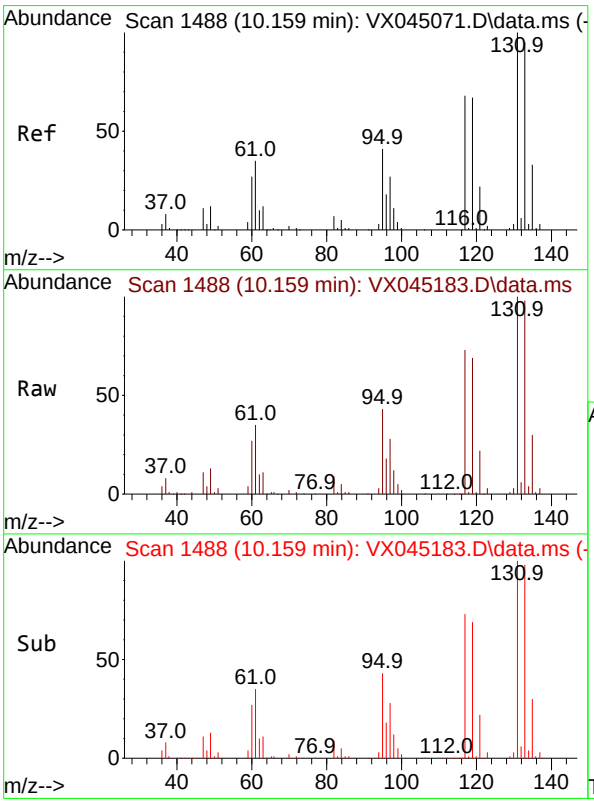
Ion	Ratio	Lower	Upper
112	100		
114	30.7	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

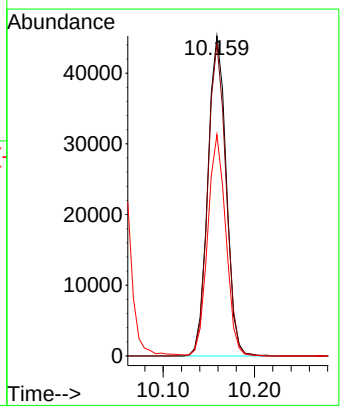
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

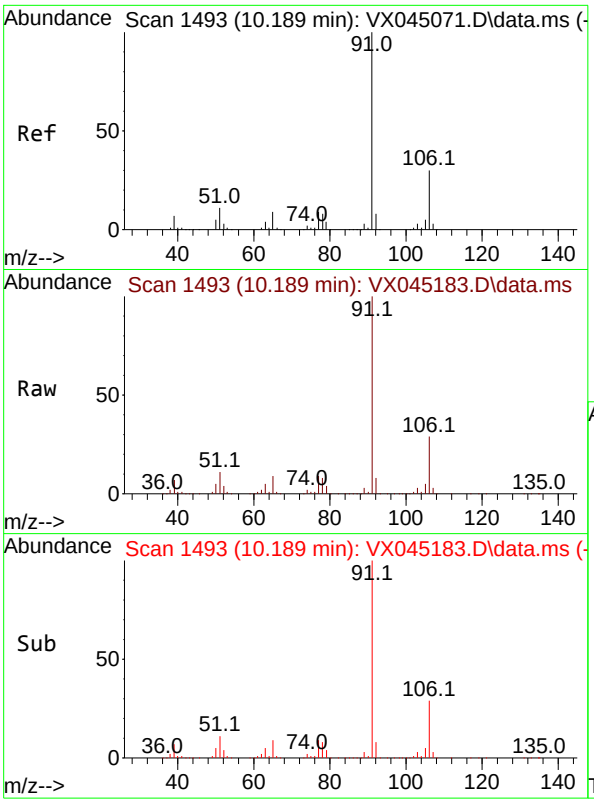


#66
1,1,1,2-Tetrachloroethane
Concen: 51.011 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:131 Resp: 63118

Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.6	145.9
119	68.2	33.9	101.7





#67
Ethyl Benzene
Concen: 52.516 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

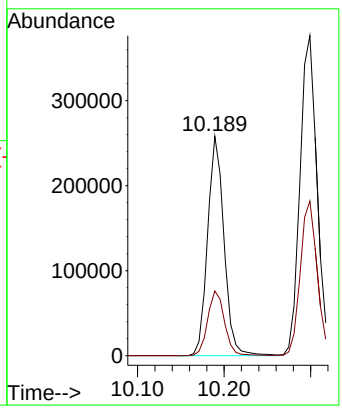
Tgt Ion: 91 Resp: 33998

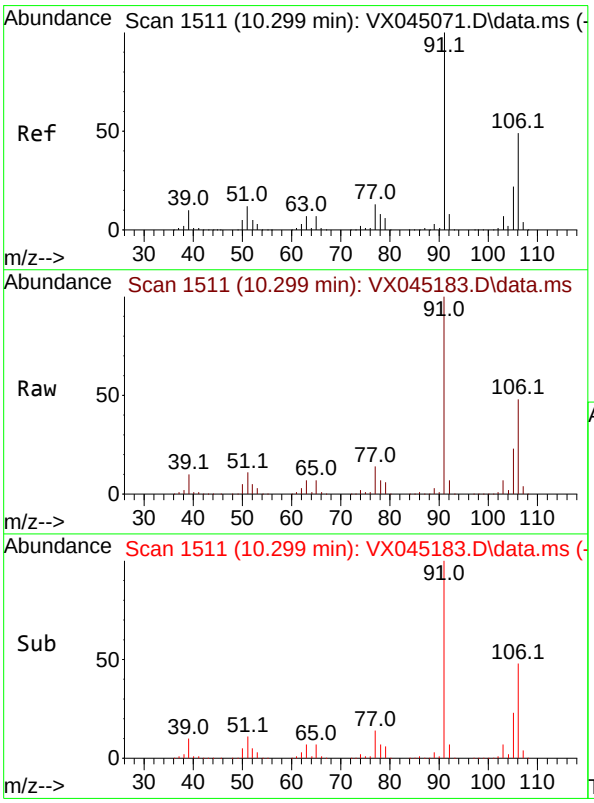
Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

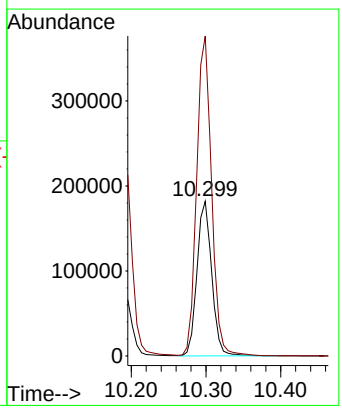


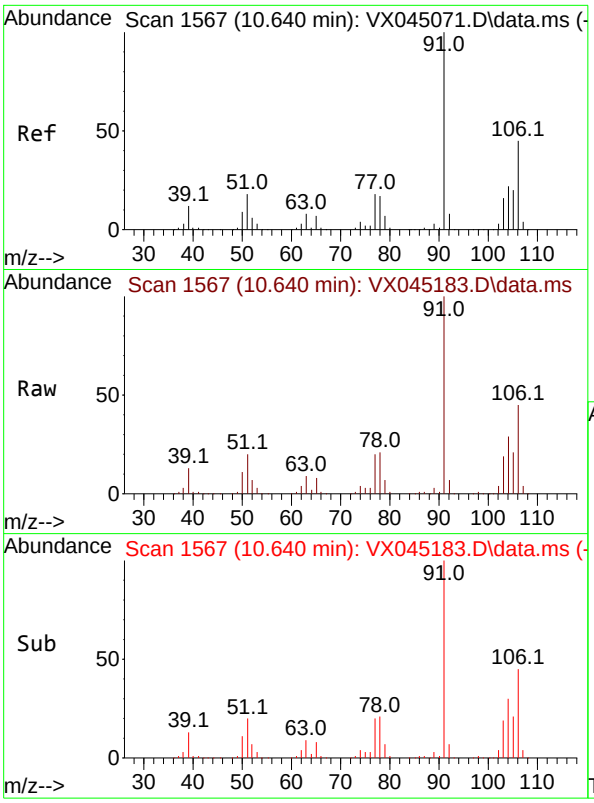


#68
m/p-Xylenes
Concen: 105.093 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:106 Resp: 249065

Ion	Ratio	Lower	Upper
106	100		
91	209.3	165.4	248.0





#69
o-Xylene
Concen: 51.028 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

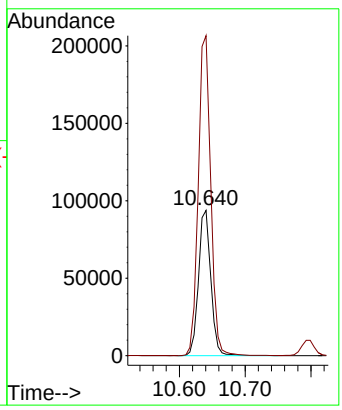
Tgt Ion:106 Resp: 12197

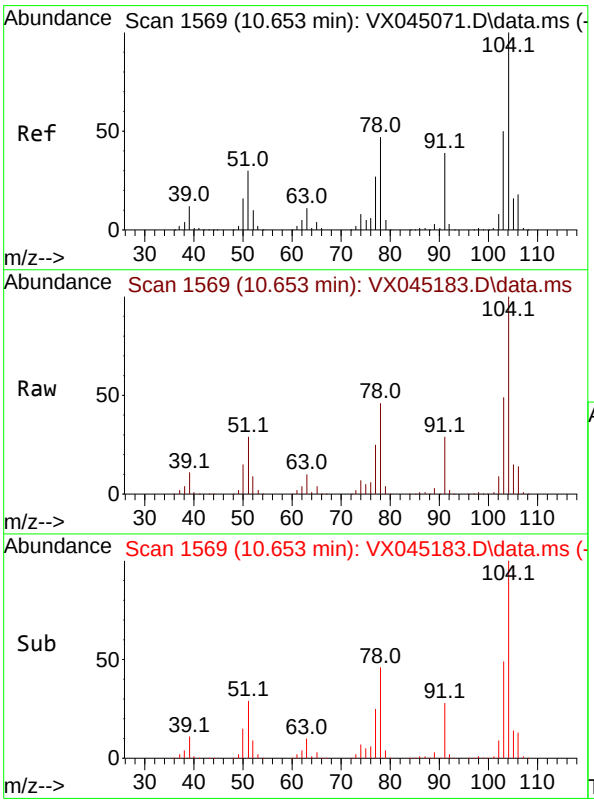
Ion	Ratio	Lower	Upper
106	100		
91	223.2	109.9	329.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

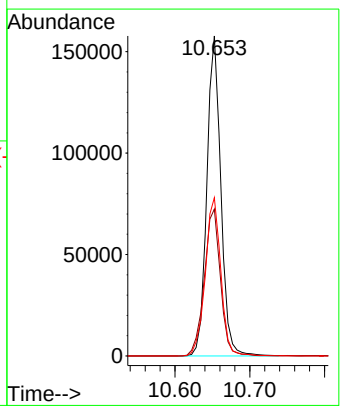


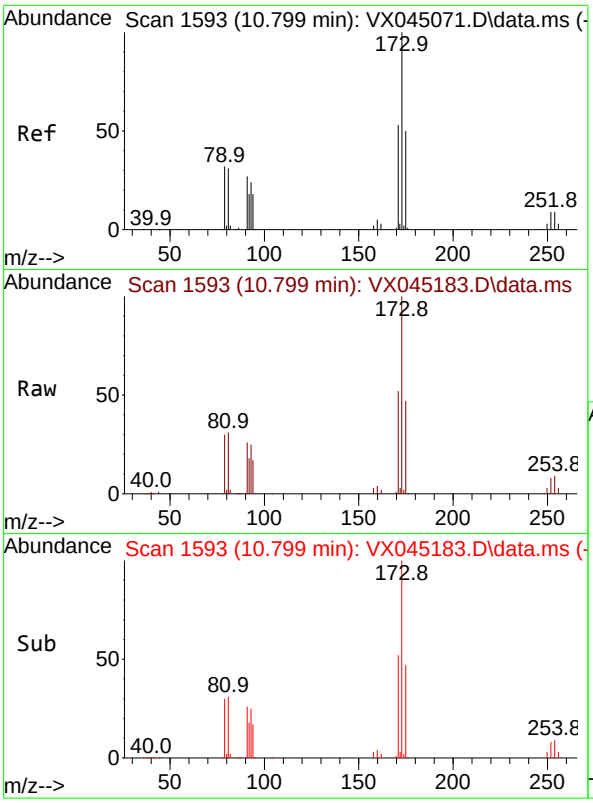


#70
Styrene
Concen: 53.127 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:104 Resp: 205472

Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.2	63.4
103	54.9	43.8	65.8





#71
Bromoform
Concen: 55.438 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

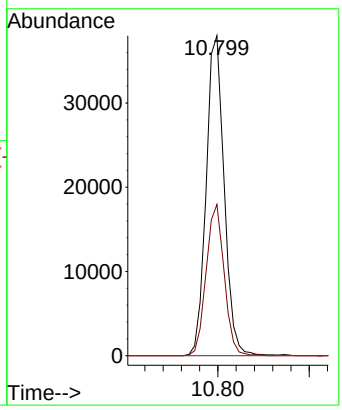
Tgt Ion:173 Resp: 5172

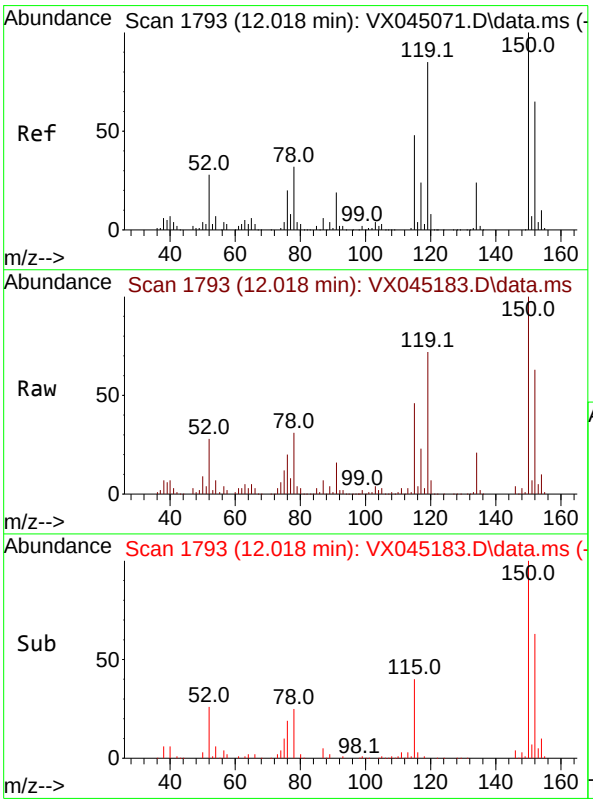
Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.6	73.6
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

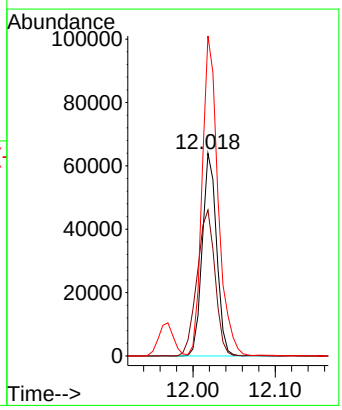


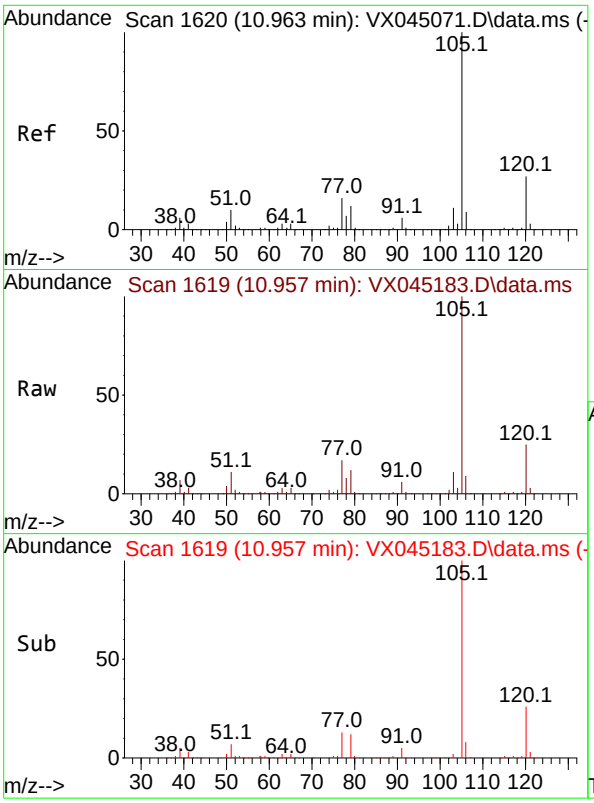


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:152 Resp: 77718

Ion	Ratio	Lower	Upper
152	100		
115	89.7	44.2	132.6
150	174.0	0.0	349.0

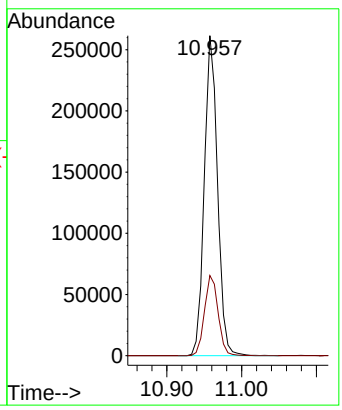




#73
Isopropylbenzene
Concen: 52.853 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:105 Resp: 32061

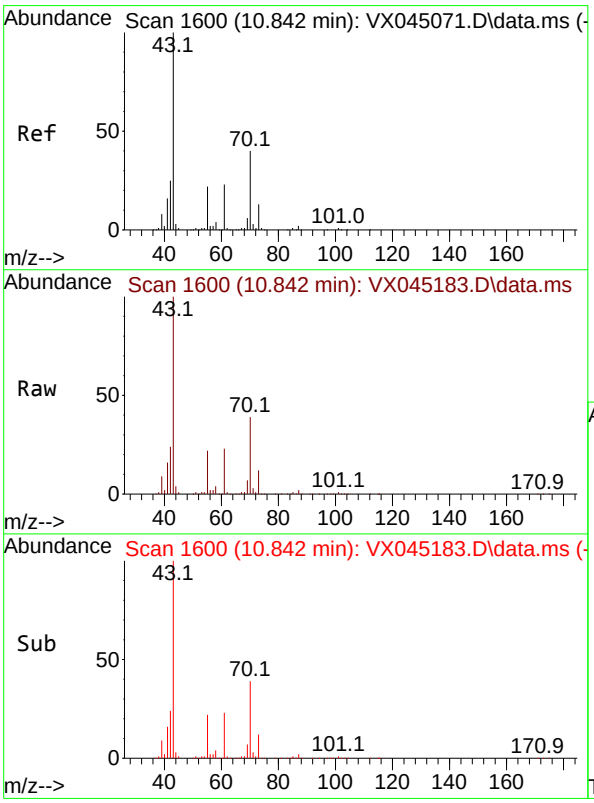
Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

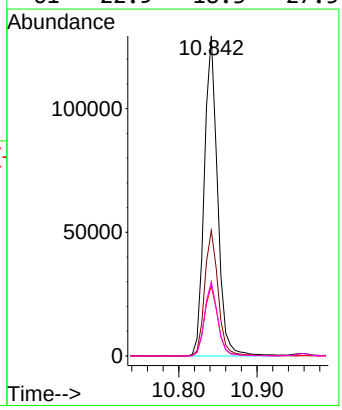
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

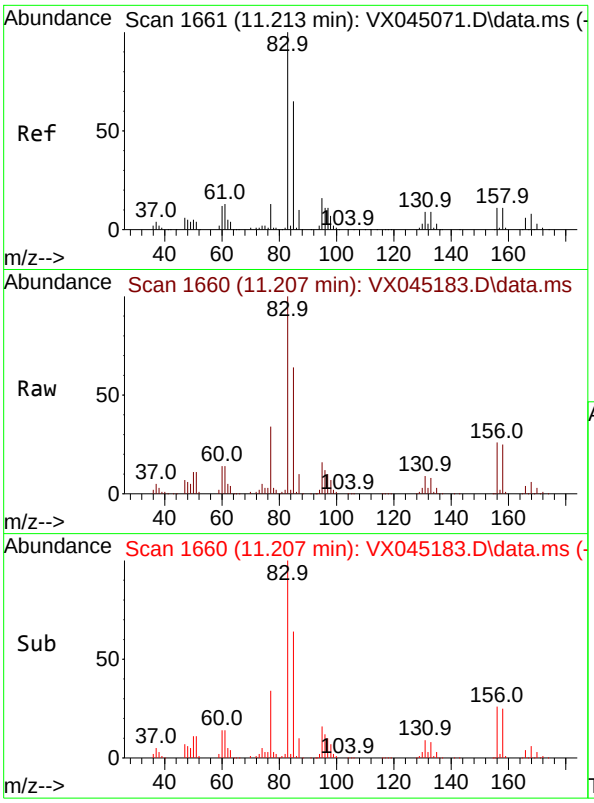


#74
N-amyl acetate
Concen: 53.397 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 43 Resp: 151990

Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.8	47.6
55	22.3	18.3	27.5
61	22.9	18.3	27.5

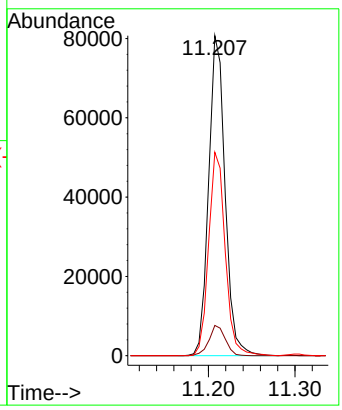




#75
1,1,2,2-Tetrachloroethane
Concen: 47.785 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 83 Resp: 10637

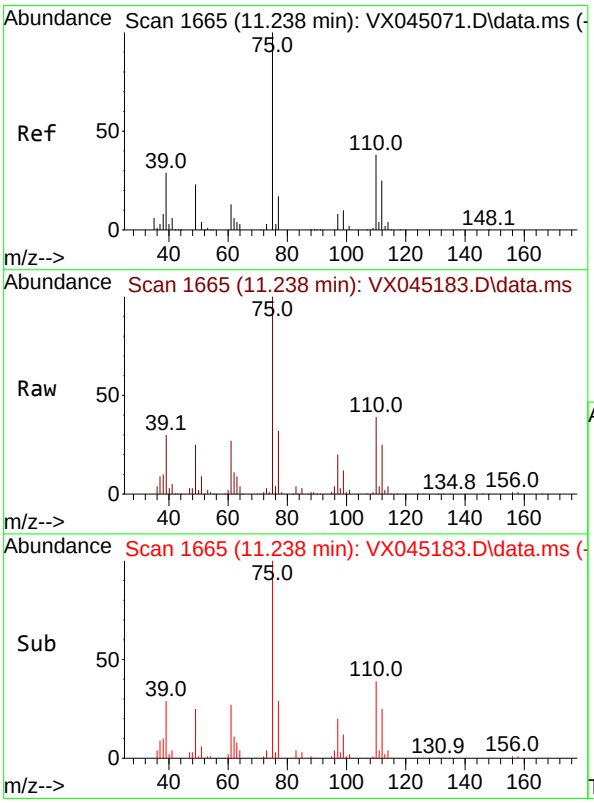
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.1	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

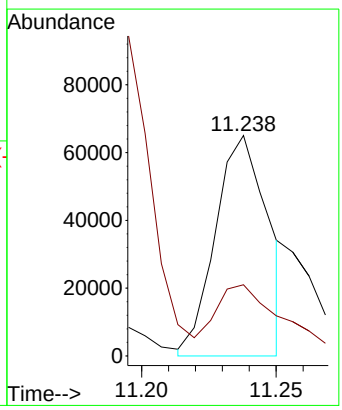
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

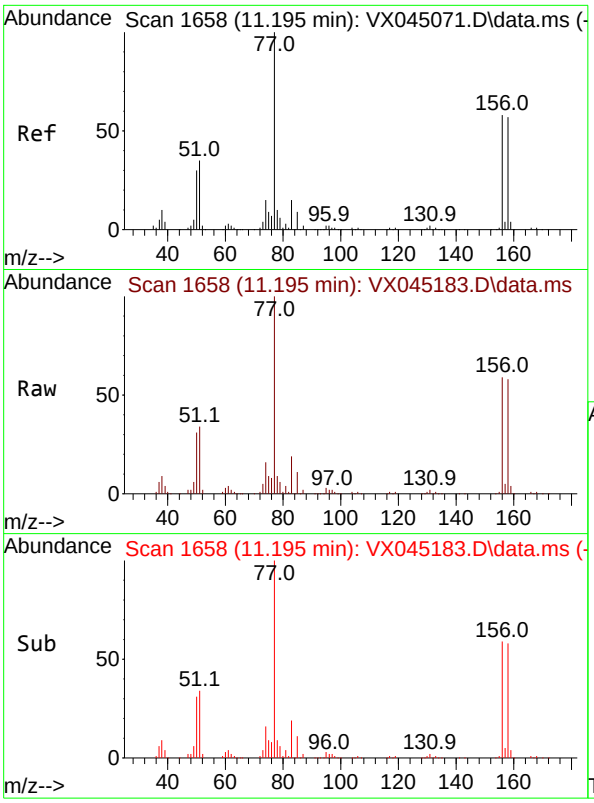


#76
1,2,3-Trichloropropane
Concen: 48.828 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 75 Resp: 88324

Ion	Ratio	Lower	Upper
75	100		
77	42.0	20.7	62.1

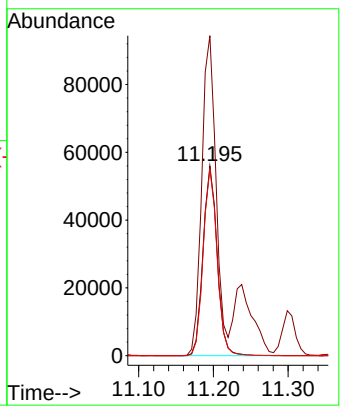




#77
Bromobenzene
Concen: 51.150 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:156 Resp: 7320

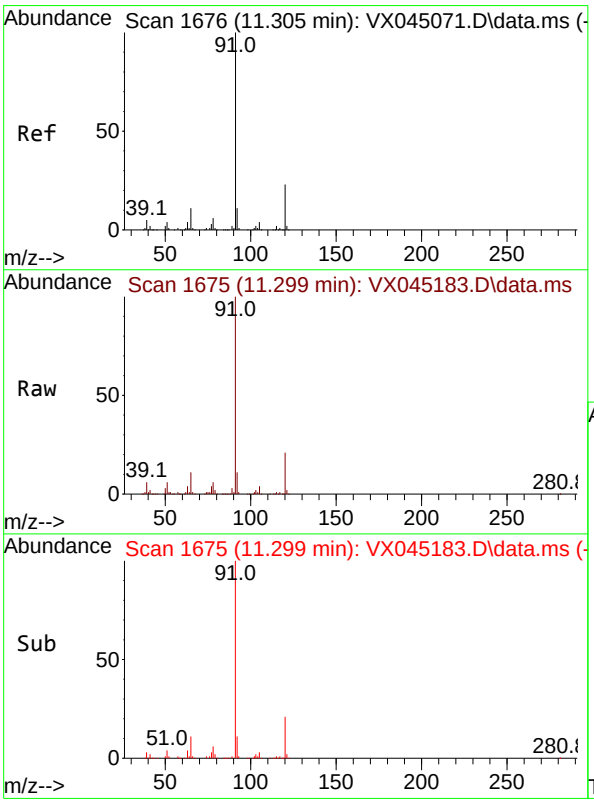
Ion	Ratio	Lower	Upper
156	100		
77	170.9	85.8	257.4
158	97.6	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

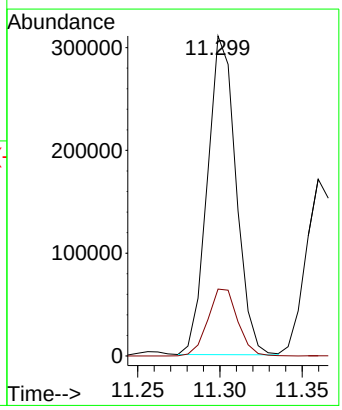
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

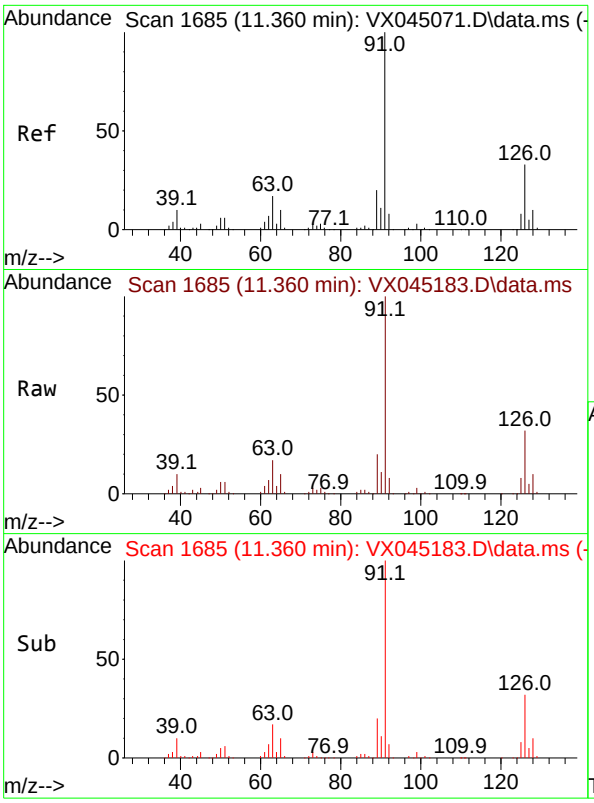


#78
n-propylbenzene
Concen: 54.788 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 91 Resp: 375437

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.2	33.6





#79
2-Chlorotoluene
Concen: 50.523 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

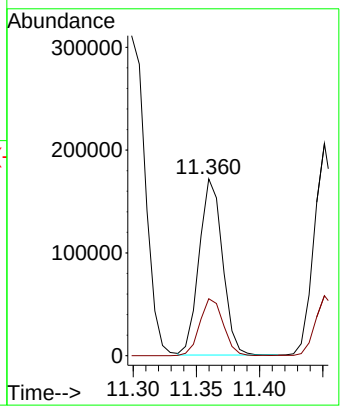
Tgt Ion: 91 Resp: 22048

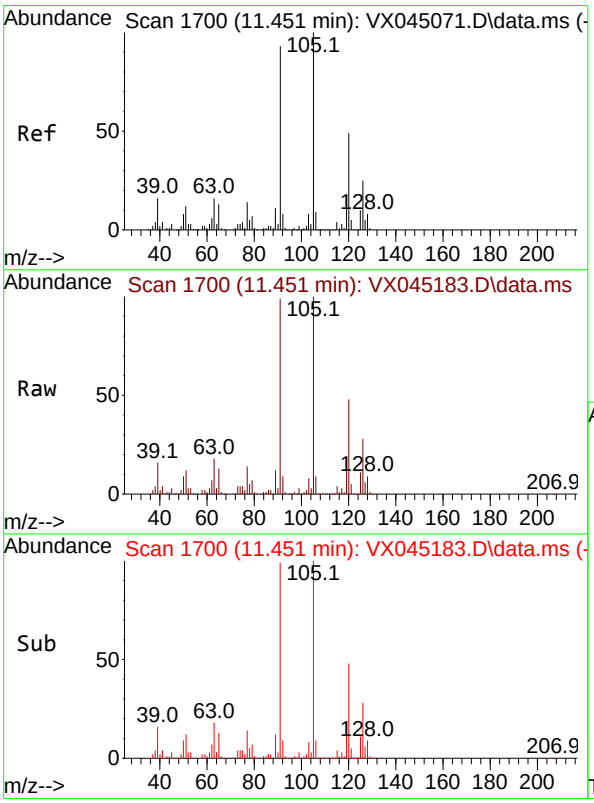
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

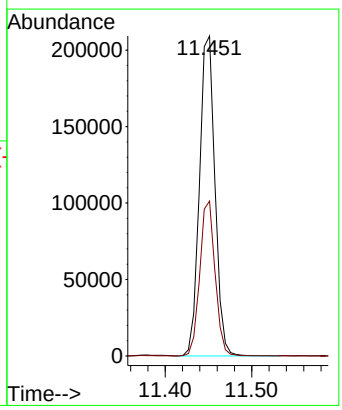


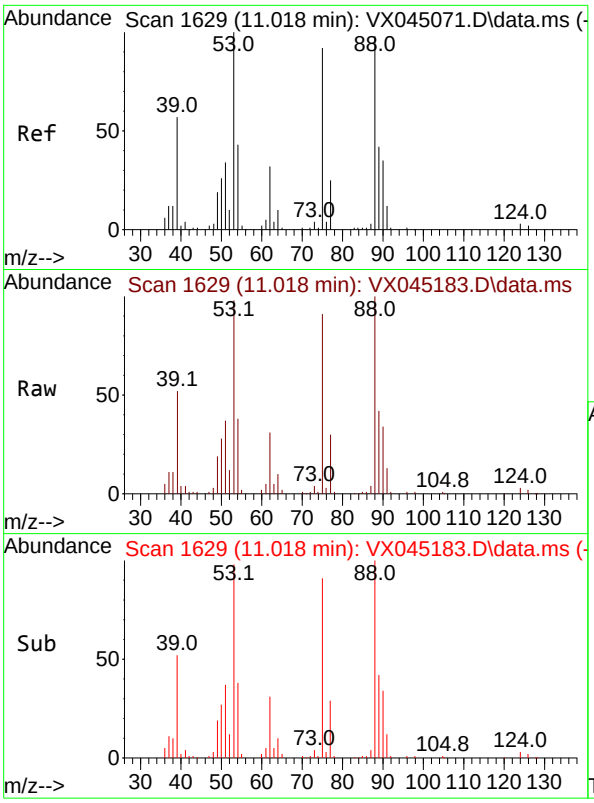


#80
1,3,5-Trimethylbenzene
Concen: 53.110 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:105 Resp: 260502

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 60.738 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

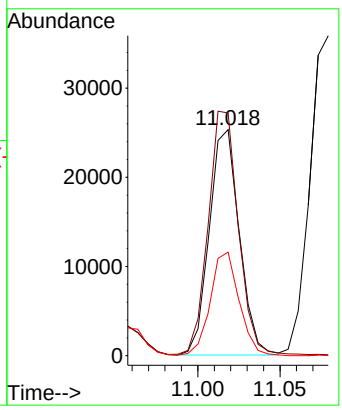
Tgt Ion: 75 Resp: 3210

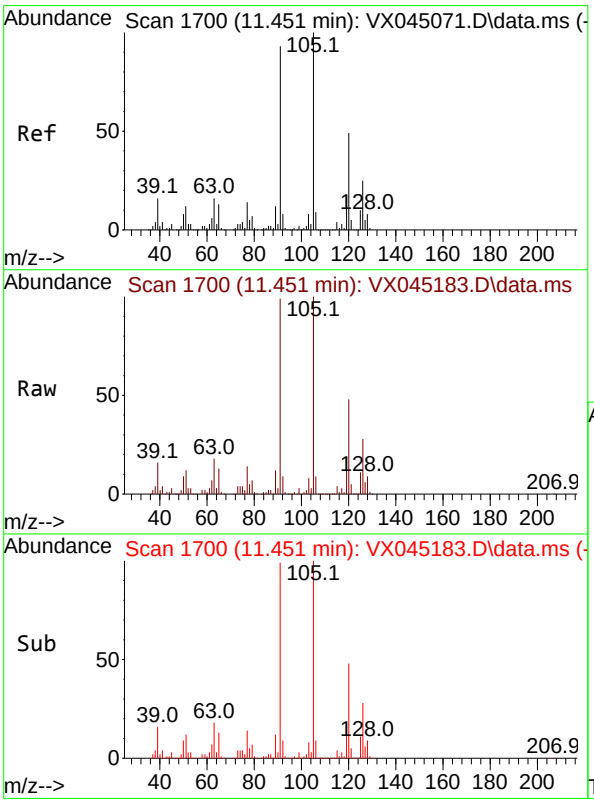
Ion	Ratio	Lower	Upper
75	100		
53	109.4	88.5	132.7
89	44.2	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

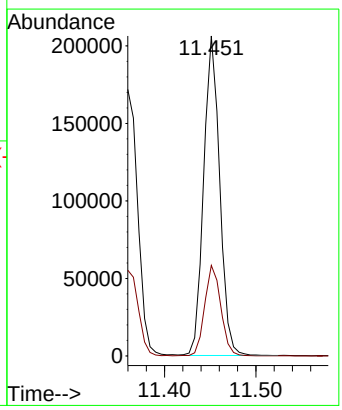


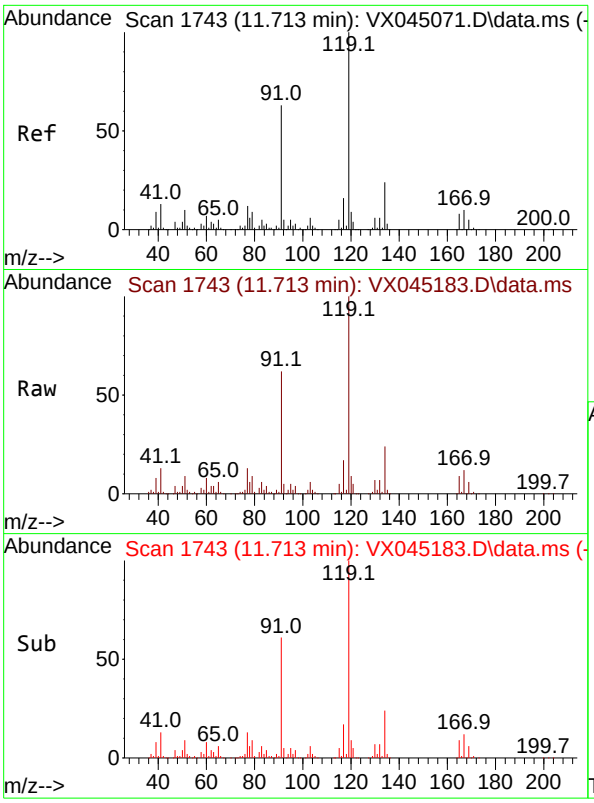


#82
4-Chlorotoluene
Concen: 52.759 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 91 Resp: 250938

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.1	42.4

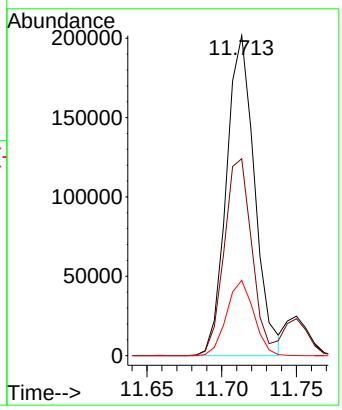




#83
tert-Butylbenzene
Concen: 52.398 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:119 Resp: 26407

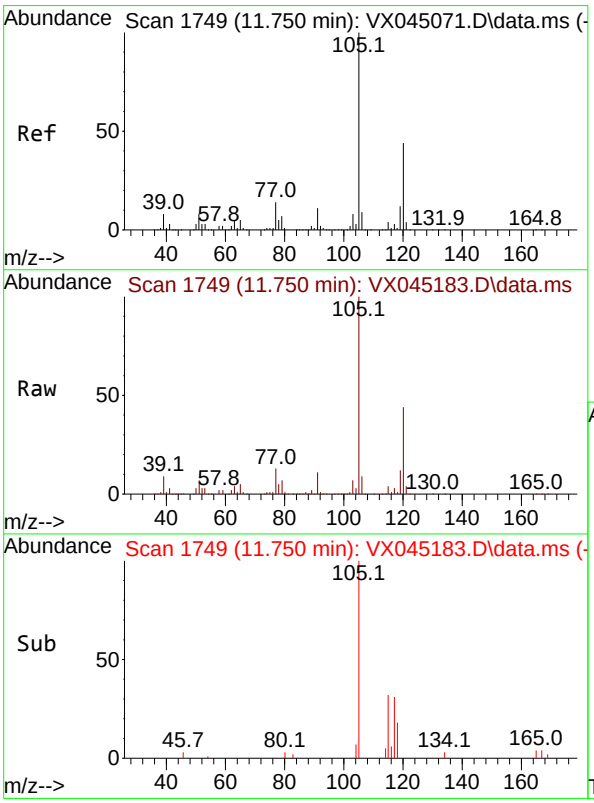
Ion	Ratio	Lower	Upper
119	100		
91	60.2	30.7	92.1
134	22.7	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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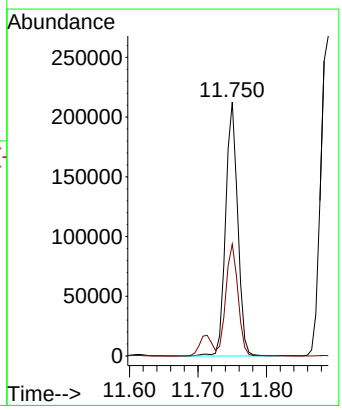
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

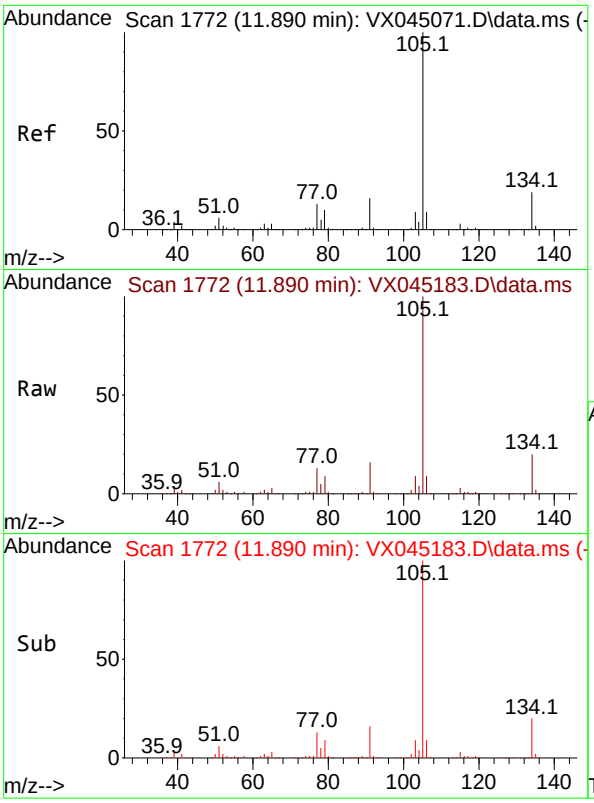


#84
1,2,4-Trimethylbenzene
Concen: 52.673 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:105 Resp: 259958

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1





#85
sec-Butylbenzene
Concen: 55.257 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

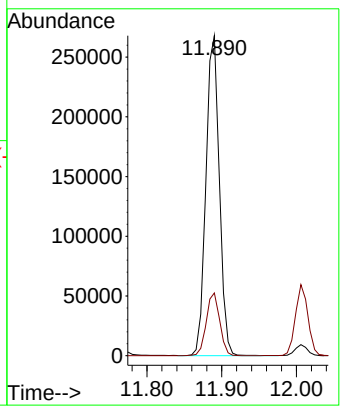
Tgt Ion:105 Resp: 33358

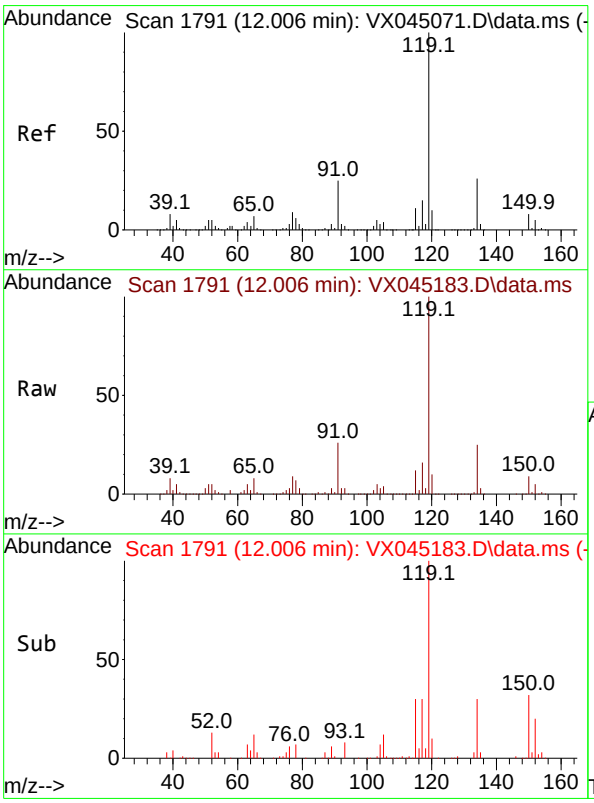
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

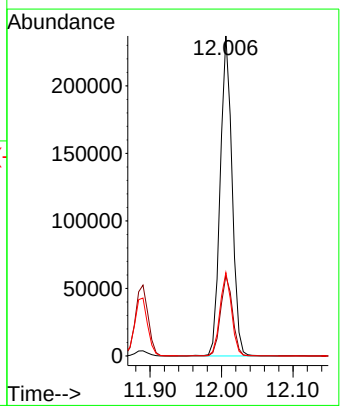


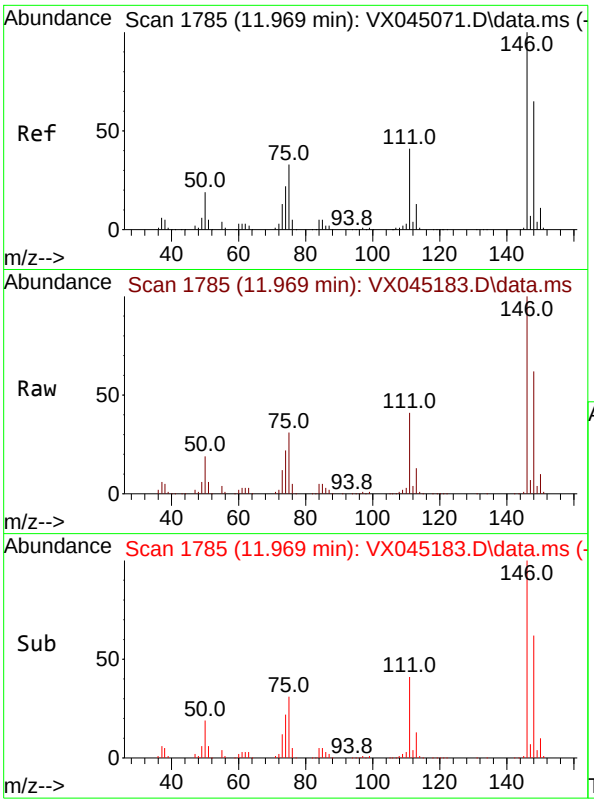


#86
p-Isopropyltoluene
Concen: 55.812 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:119 Resp: 272285

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	25.6	12.7	38.0

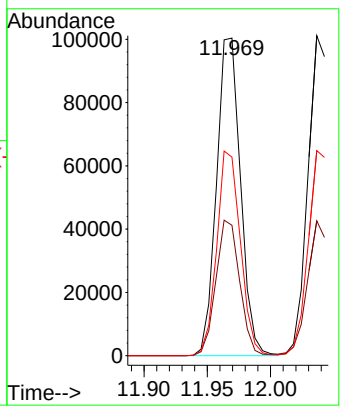




#87
1,3-Dichlorobenzene
Concen: 51.855 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:146 Resp: 13239

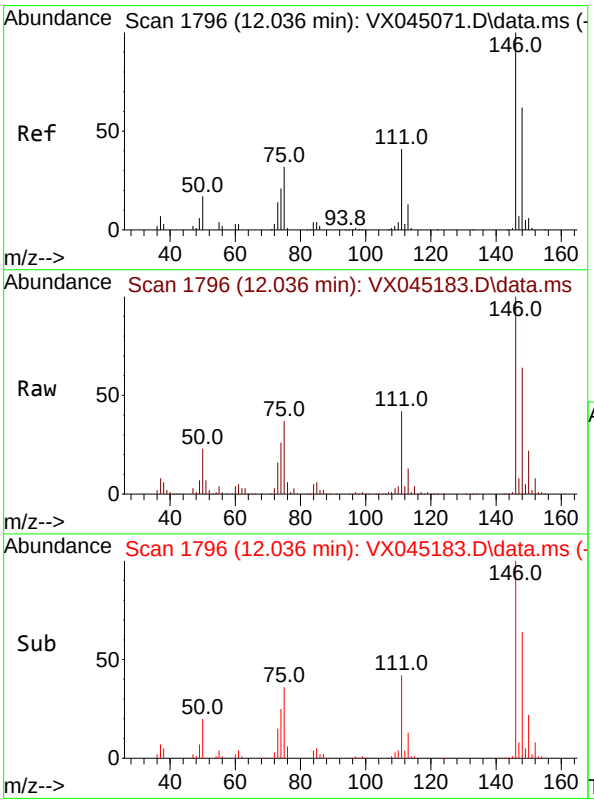
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.5	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

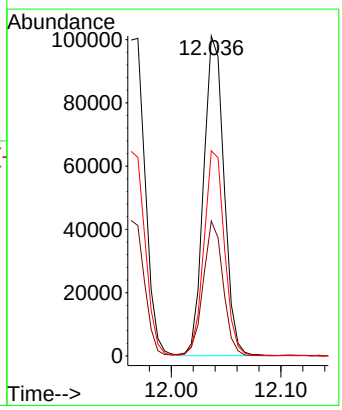
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

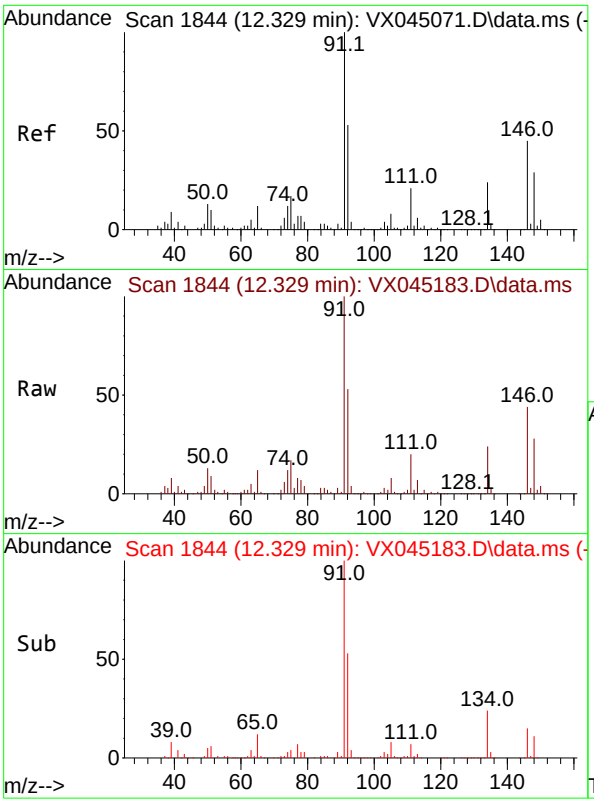


#88
1,4-Dichlorobenzene
Concen: 50.472 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:146 Resp: 130377

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.2	60.5
148	65.1	31.9	95.9





#89
n-Butylbenzene
Concen: 59.284 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

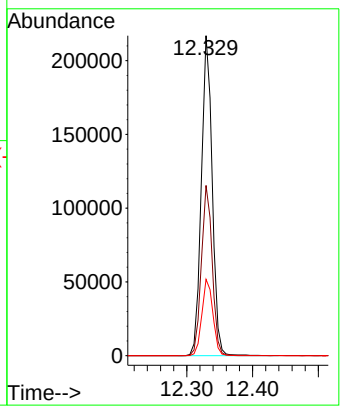
Tgt Ion: 91 Resp: 24910

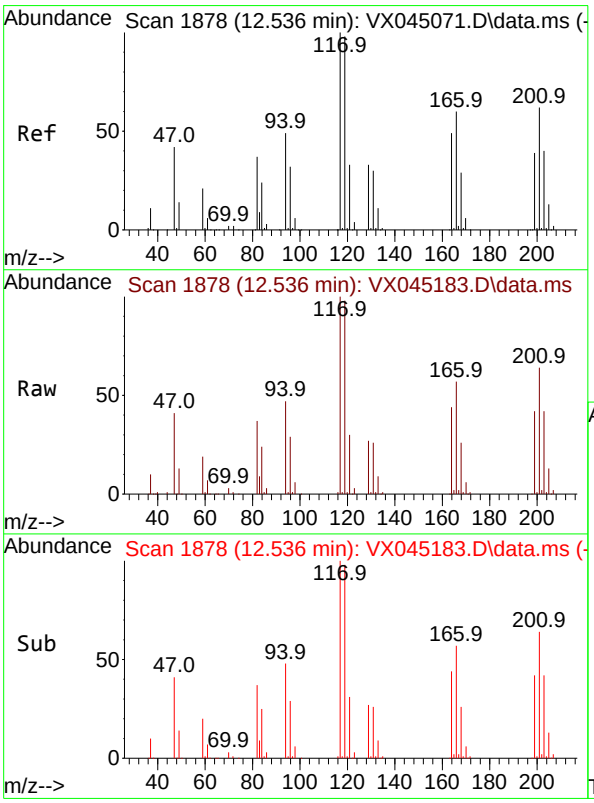
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.2	12.2	36.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

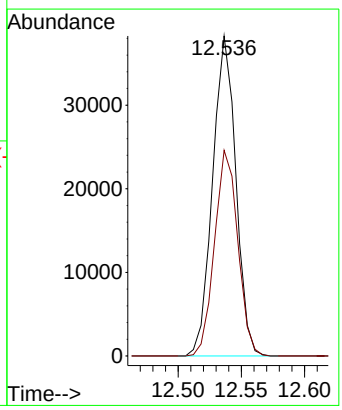


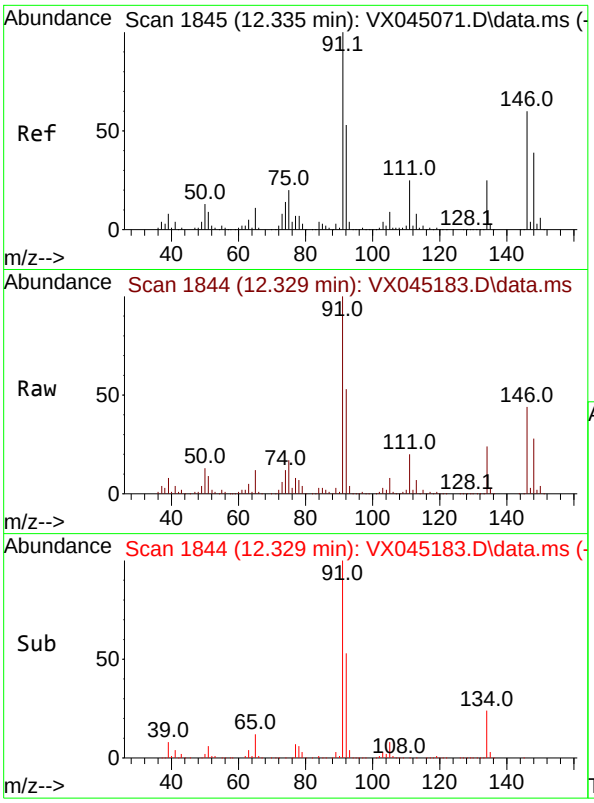


#90
Hexachloroethane
Concen: 55.329 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:117 Resp: 48824

Ion	Ratio	Lower	Upper
117	100		
201	64.4	31.9	95.9

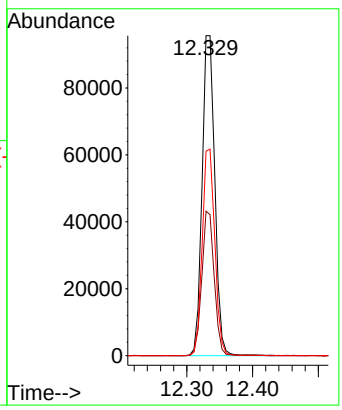




#91
1,2-Dichlorobenzene
Concen: 50.169 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:146 Resp: 12849

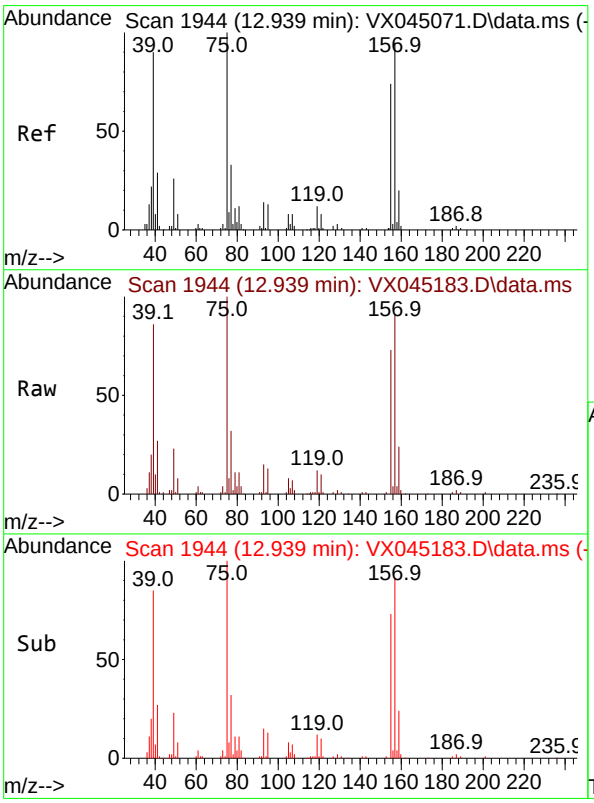
Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.6	65.0
148	64.1	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

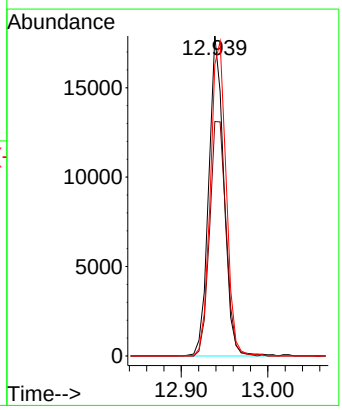
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

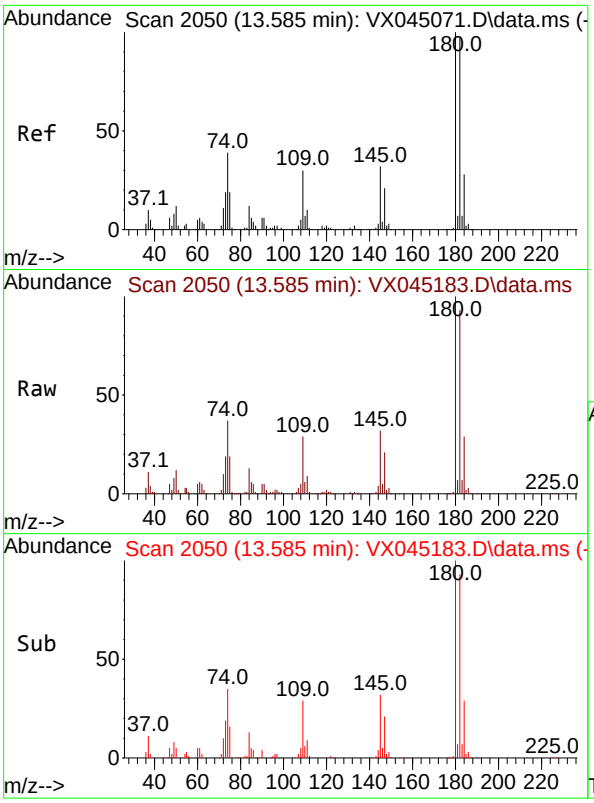


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.061 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 75 Resp: 21710

Ion	Ratio	Lower	Upper
75	100		
155	79.7	39.6	118.7
157	102.6	51.1	153.4





#93
1,2,4-Trichlorobenzene
Concen: 55.282 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

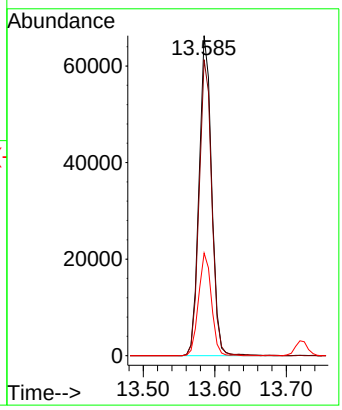
Tgt Ion:180 Resp: 8062

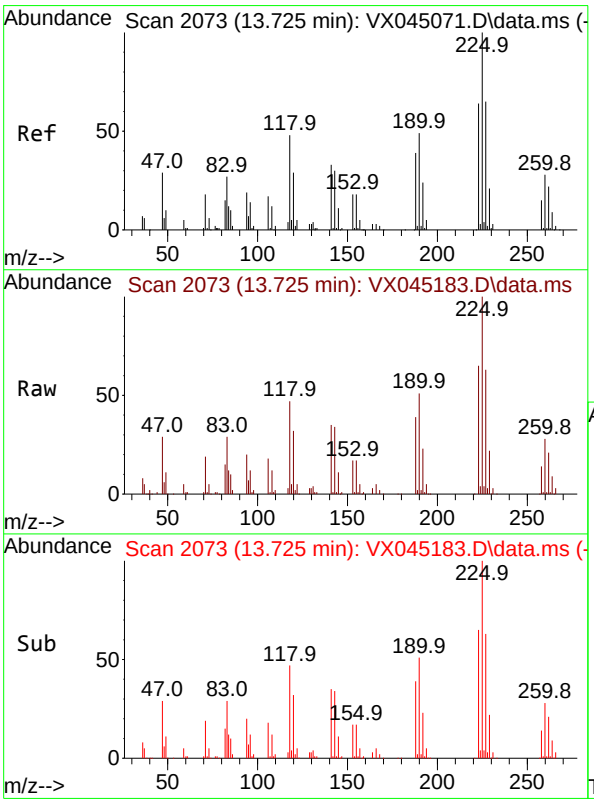
Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.3	141.9
145	32.8	16.3	48.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

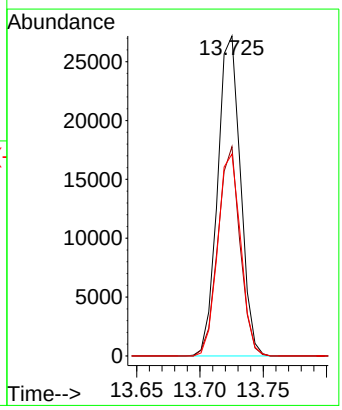


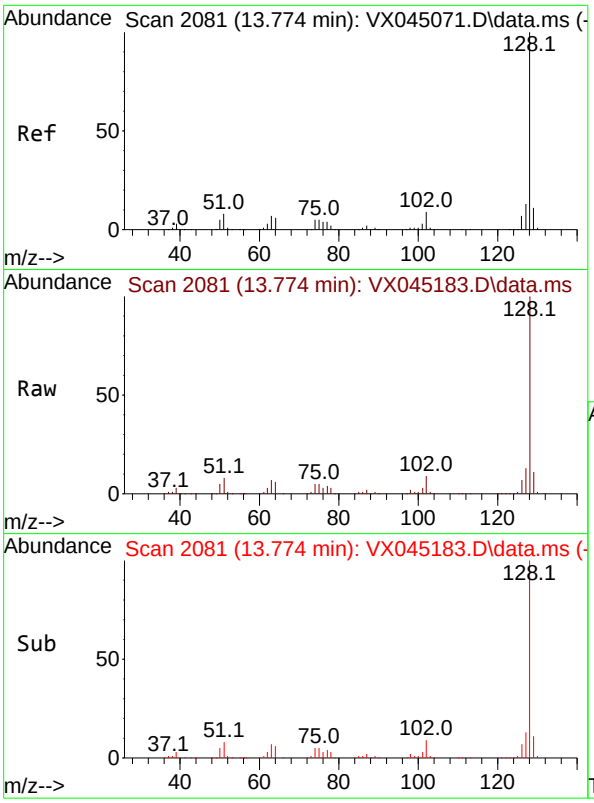


#94
Hexachlorobutadiene
Concen: 56.902 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:225 Resp: 34023

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.9	95.7
227	63.7	31.4	94.0

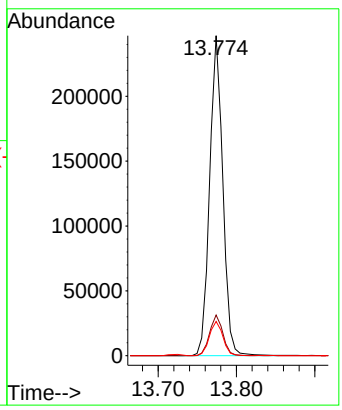




#95
Naphthalene
Concen: 51.156 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:128 Resp: 28664

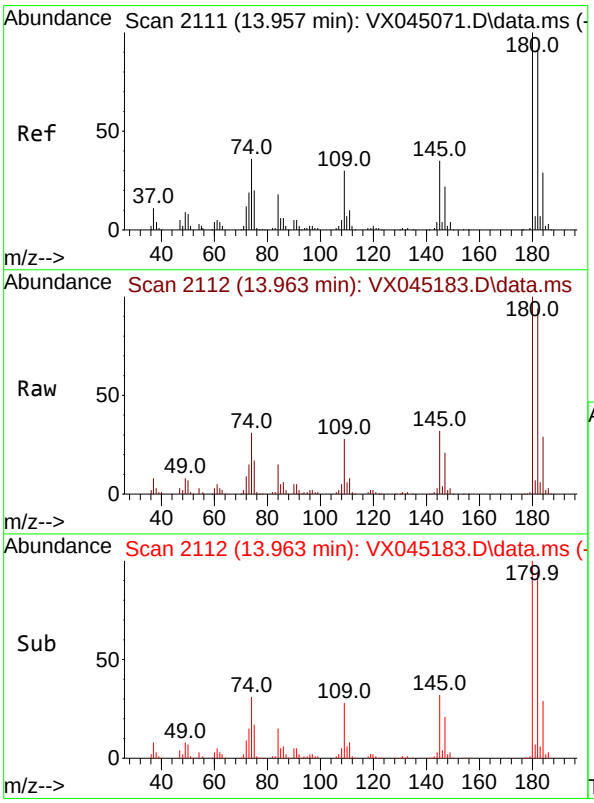
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

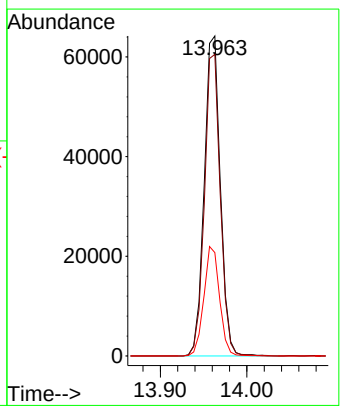
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.910 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:180 Resp: 82943

Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.5	142.6
145	33.4	17.0	50.9



Sample Results: **VX045183.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045183.D
Acq On : 10 Mar 2025 10:06
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 11 03:49:33 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	116	0.00
2	T	Dichlorodifluoromethane	0.629	0.640	-1.7	119	0.00
3	P	Chloromethane	0.770	0.699	9.2	108	0.00
4	C	Vinyl Chloride	0.764	0.695	9.0#	106	0.00
5	T	Bromomethane	0.300	0.285	5.0	113	0.00
6	T	Chloroethane	0.352	0.354	-0.6	111	0.00
7	T	Trichlorofluoromethane	1.011	0.997	1.4	110	0.00
8	T	Diethyl Ether	0.396	0.343	13.4	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.614	-5.7	120	0.00
10	T	Methyl Iodide	0.726	0.724	0.3	109	0.00
11	T	Tert butyl alcohol	0.151	0.109	27.8#	95	0.00
12	CM	1,1-Dichloroethene	0.614	0.587	4.4#	110	0.00
13	T	Acrolein	0.174	0.146	16.1	98	0.00
14	T	Allyl chloride	1.094	1.093	0.1	115	0.00
15	T	Acrylonitrile	0.404	0.376	6.9	107	0.00
16	T	Acetone	0.369	0.336	8.9	111	0.00
17	T	Carbon Disulfide	1.636	1.535	6.2	108	0.00
18	T	Methyl Acetate	0.888	0.894	-0.7	120	0.00
19	T	Methyl tert-butyl Ether	2.061	1.979	4.0	110	0.00
20	T	Methylene Chloride	0.731	0.674	7.8	112	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.588	3.1	108	0.00
22	T	Diisopropyl ether	2.224	2.156	3.1	109	0.00
23	T	Vinyl Acetate	1.856	1.841	0.8	109	0.00
24	P	1,1-Dichloroethane	1.247	1.176	5.7	110	0.00
25	T	2-Butanone	0.555	0.512	7.7	103	0.00
26	T	2,2-Dichloropropane	0.585	0.894	-52.8#	174#	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.713	4.8	109	0.00
28	T	Bromochloromethane	0.594	0.566	4.7	109	0.00
29	T	Tetrahydrofuran	0.373	0.325	12.9	101	0.00
30	C	Chloroform	1.239	1.147	7.4#	107	0.00
31	T	Cyclohexane	1.082	1.047	3.2	110	0.00
32	T	1,1,1-Trichloroethane	1.000	0.977	2.3	111	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.730	8.2	112	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
35	S	Dibromofluoromethane	0.334	0.345	-3.3	113	0.00
36	T	1,1-Dichloropropene	0.459	0.465	-1.3	107	0.00
37	T	Ethyl Acetate	0.591	0.573	3.0	102	0.00
38	T	Carbon Tetrachloride	0.465	0.489	-5.2	113	0.00
39	T	Methylcyclohexane	0.549	0.623	-13.5	115	0.00
40	TM	Benzene	1.448	1.452	-0.3	105	0.00
41	T	Methacrylonitrile	0.319	0.331	-3.8	105	-0.01
42	TM	1,2-Dichloroethane	0.521	0.522	-0.2	107	0.00
43	T	Isopropyl Acetate	0.874	0.919	-5.1	107	0.00
44	TM	Trichloroethene	0.340	0.337	0.9	107	0.00
45	C	1,2-Dichloropropane	0.372	0.376	-1.1#	110	0.00
46	T	Dibromomethane	0.263	0.269	-2.3	108	0.00
47	T	Bromodichloromethane	0.516	0.539	-4.5	111	0.00
48	T	Methyl methacrylate	0.438	0.447	-2.1	104	0.00

Sample Results: **VX045183.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045183.D
Acq On : 10 Mar 2025 10:06
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 11 03:49:33 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	0.008	11.1	89	0.00
50	S	Toluene-d8	1.212	1.229	-1.4	110	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.586	0.2	104	0.00
52	CM	Toluene	0.849	0.875	-3.1#	105	0.00
53	T	t-1,3-Dichloropropene	0.431	0.509	-18.1	117	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.573	-13.9	116	0.00
55	T	1,1,2-Trichloroethane	0.350	0.343	2.0	104	0.00
56	T	Ethyl methacrylate	0.532	0.573	-7.7	109	0.00
57	T	1,3-Dichloropropane	0.605	0.592	2.1	103	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.288	-11.2	109	0.00
59	T	2-Hexanone	0.425	0.421	0.9	101	0.00
60	T	Dibromochloromethane	0.366	0.395	-7.9	111	0.00
61	T	1,2-Dibromoethane	0.349	0.355	-1.7	108	0.00
62	S	4-Bromofluorobenzene	0.402	0.426	-6.0	114	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00
64	T	Tetrachloroethene	0.320	0.332	-3.8	111	0.00
65	PM	Chlorobenzene	1.058	1.089	-2.9	108	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.359	-2.0	110	0.00
67	C	Ethyl Benzene	1.843	1.936	-5.0#	107	0.00
68	T	m/p-Xylenes	0.675	0.709	-5.0	106	0.00
69	T	o-Xylene	0.681	0.695	-2.1	107	0.00
70	T	Styrene	1.101	1.170	-6.3	107	0.00
71	P	Bromoform	0.266	0.295	-10.9	116	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
73	T	Isopropylbenzene	3.903	4.125	-5.7	109	0.00
74	T	N-amyl acetate	1.831	1.956	-6.8	108	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.369	4.4	105	0.00
76	T	1,2,3-Trichloropropane	1.164	1.136	2.4	108	0.00
77	T	Bromobenzene	0.921	0.942	-2.3	109	0.00
78	T	n-propylbenzene	4.409	4.831	-9.6	110	0.00
79	T	2-Chlorotoluene	2.808	2.837	-1.0	108	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.352	-6.2	108	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.413	-21.5	133	0.00
82	T	4-Chlorotoluene	3.060	3.229	-5.5	109	0.00
83	T	tert-Butylbenzene	3.242	3.398	-4.8	110	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.345	-5.4	108	0.00
85	T	sec-Butylbenzene	3.884	4.292	-10.5	111	0.00
86	T	p-Isopropyltoluene	3.139	3.503	-11.6	112	0.00
87	T	1,3-Dichlorobenzene	1.643	1.704	-3.7	111	0.00
88	T	1,4-Dichlorobenzene	1.662	1.678	-1.0	108	0.00
89	T	n-Butylbenzene	2.703	3.205	-18.6	116	0.00
90	T	Hexachloroethane	0.568	0.628	-10.6	113	0.00
91	T	1,2-Dichlorobenzene	1.648	1.653	-0.3	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.279	0.0	105	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.037	-10.6	112	0.00
94	T	Hexachlorobutadiene	0.385	0.438	-13.8	122	0.00
95	T	Naphthalene	3.605	3.688	-2.3	103	0.00

Sample Results: **VX045183.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045183.D
Acq On : 10 Mar 2025 10:06
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 11 03:49:33 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	1.067	-7.8	110	0.00

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

Sample Results: **VX045183.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045183.D
Acq On : 10 Mar 2025 10:06
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 11 03:49:33 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	116	0.00
2	T	Dichlorodifluoromethane	50.000	50.827	-1.7	119	0.00
3	P	Chloromethane	50.000	45.382	9.2	108	0.00
4	C	Vinyl Chloride	50.000	45.470	9.1#	106	0.00
5	T	Bromomethane	50.000	47.451	5.1	113	0.00
6	T	Chloroethane	50.000	50.258	-0.5	111	0.00
7	T	Trichlorofluoromethane	50.000	49.302	1.4	110	0.00
8	T	Diethyl Ether	50.000	43.358	13.3	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.848	-5.7	120	0.00
10	T	Methyl Iodide	50.000	49.827	0.3	109	0.00
11	T	Tert butyl alcohol	250.000	180.958	27.6#	95	0.00
12	CM	1,1-Dichloroethene	50.000	47.745	4.5#	110	0.00
13	T	Acrolein	250.000	209.887	16.0	98	0.00
14	T	Allyl chloride	50.000	49.978	0.0	115	0.00
15	T	Acrylonitrile	250.000	233.063	6.8	107	0.00
16	T	Acetone	250.000	227.976	8.8	111	0.00
17	T	Carbon Disulfide	50.000	46.890	6.2	108	0.00
18	T	Methyl Acetate	50.000	50.370	-0.7	120	0.00
19	T	Methyl tert-butyl Ether	50.000	48.004	4.0	110	0.00
20	T	Methylene Chloride	50.000	46.105	7.8	112	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.421	3.2	108	0.00
22	T	Diisopropyl ether	50.000	48.472	3.1	109	0.00
23	T	Vinyl Acetate	250.000	248.018	0.8	109	0.00
24	P	1,1-Dichloroethane	50.000	47.153	5.7	110	0.00
25	T	2-Butanone	250.000	230.475	7.8	103	0.00
26	T	2,2-Dichloropropane	50.000	76.455	-52.9#	174	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.570	4.9	109	0.00
28	T	Bromochloromethane	50.000	47.656	4.7	109	0.00
29	T	Tetrahydrofuran	250.000	218.029	12.8	101	0.00
30	C	Chloroform	50.000	46.287	7.4#	107	0.00
31	T	Cyclohexane	50.000	48.363	3.3	110	0.00
32	T	1,1,1-Trichloroethane	50.000	48.857	2.3	111	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.875	8.3	112	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	108	0.00
35	S	Dibromofluoromethane	50.000	51.577	-3.2	113	0.00
36	T	1,1-Dichloropropene	50.000	50.714	-1.4	107	0.00
37	T	Ethyl Acetate	50.000	48.532	2.9	102	0.00
38	T	Carbon Tetrachloride	50.000	52.483	-5.0	113	0.00
39	T	Methylcyclohexane	50.000	56.716	-13.4	115	0.00
40	TM	Benzene	50.000	50.155	-0.3	105	0.00
41	T	Methacrylonitrile	50.000	51.791	-3.6	105	-0.01
42	TM	1,2-Dichloroethane	50.000	50.066	-0.1	107	0.00
43	T	Isopropyl Acetate	50.000	52.608	-5.2	107	0.00
44	TM	Trichloroethene	50.000	49.573	0.9	107	0.00
45	C	1,2-Dichloropropane	50.000	50.538	-1.1#	110	0.00
46	T	Dibromomethane	50.000	51.179	-2.4	108	0.00
47	T	Bromodichloromethane	50.000	52.199	-4.4	111	0.00
48	T	Methyl methacrylate	50.000	50.975	-2.0	104	0.00

Sample Results: **VX045183.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045183.D
Acq On : 10 Mar 2025 10:06
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 11 03:49:33 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	836.168	16.4	89	0.00
50	S	Toluene-d8	50.000	50.697	-1.4	110	0.00
51	T	4-Methyl-2-Pentanone	250.000	249.597	0.2	104	0.00
52	CM	Toluene	50.000	51.516	-3.0#	105	0.00
53	T	t-1,3-Dichloropropene	50.000	59.017	-18.0	117	0.00
54	T	cis-1,3-Dichloropropene	50.000	56.928	-13.9	116	0.00
55	T	1,1,2-Trichloroethane	50.000	49.085	1.8	104	0.00
56	T	Ethyl methacrylate	50.000	53.926	-7.9	109	0.00
57	T	1,3-Dichloropropane	50.000	48.945	2.1	103	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	277.227	-10.9	109	0.00
59	T	2-Hexanone	250.000	247.351	1.1	101	0.00
60	T	Dibromochloromethane	50.000	53.957	-7.9	111	0.00
61	T	1,2-Dibromoethane	50.000	50.868	-1.7	108	0.00
62	S	4-Bromofluorobenzene	50.000	53.054	-6.1	114	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	108	0.00
64	T	Tetrachloroethene	50.000	51.762	-3.5	111	0.00
65	PM	Chlorobenzene	50.000	51.488	-3.0	108	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.011	-2.0	110	0.00
67	C	Ethyl Benzene	50.000	52.516	-5.0#	107	0.00
68	T	m/p-Xylenes	100.000	105.093	-5.1	106	0.00
69	T	o-Xylene	50.000	51.028	-2.1	107	0.00
70	T	Styrene	50.000	53.127	-6.3	107	0.00
71	P	Bromoform	50.000	55.438	-10.9	116	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	109	0.00
73	T	Isopropylbenzene	50.000	52.853	-5.7	109	0.00
74	T	N-amyl acetate	50.000	53.397	-6.8	108	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.785	4.4	105	0.00
76	T	1,2,3-Trichloropropane	50.000	48.828	2.3	108	0.00
77	T	Bromobenzene	50.000	51.150	-2.3	109	0.00
78	T	n-propylbenzene	50.000	54.788	-9.6	110	0.00
79	T	2-Chlorotoluene	50.000	50.523	-1.0	108	0.00
80	T	1,3,5-Trimethylbenzene	50.000	53.110	-6.2	108	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	60.738	-21.5	133	0.00
82	T	4-Chlorotoluene	50.000	52.759	-5.5	109	0.00
83	T	tert-Butylbenzene	50.000	52.398	-4.8	110	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.673	-5.3	108	0.00
85	T	sec-Butylbenzene	50.000	55.257	-10.5	111	0.00
86	T	p-Isopropyltoluene	50.000	55.812	-11.6	112	0.00
87	T	1,3-Dichlorobenzene	50.000	51.855	-3.7	111	0.00
88	T	1,4-Dichlorobenzene	50.000	50.472	-0.9	108	0.00
89	T	n-Butylbenzene	50.000	59.284	-18.6	116	0.00
90	T	Hexachloroethane	50.000	55.329	-10.7	113	0.00
91	T	1,2-Dichlorobenzene	50.000	50.169	-0.3	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	50.061	-0.1	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	55.282	-10.6	112	0.00
94	T	Hexachlorobutadiene	50.000	56.902	-13.8	122	0.00
95	T	Naphthalene	50.000	51.156	-2.3	103	0.00

Sample Results: **VX045183.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045183.D
Acq On : 10 Mar 2025 10:06
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 11 03:49:33 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	53.910	-7.8	110	0.00

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

Raw Data: **VX045209.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1500 SAS No.: Q1500 SDG No.: Q1500

Instrument ID: MSVOA_X Calibration Date/Time: 03/10/2025 20:17

Lab File ID: VX045209.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	0.624		-0.8	50
Chloromethane	0.770	0.740	0.1	-3.9	50
Vinyl Chloride	0.764	0.699		-8.51	50
Bromomethane	0.300	0.304		1.33	50
Chloroethane	0.352	0.384		9.09	50
Trichlorofluoromethane	1.012	1.028		1.58	50
1,1,2-Trichlorotrifluoroethane	0.581	0.625		7.57	50
1,1-Dichloroethene	0.614	0.612		-0.33	50
Acetone	0.369	0.376		1.9	50
Carbon Disulfide	1.636	1.479		-9.6	50
Methyl tert-butyl Ether	2.061	2.209		7.18	50
Methyl Acetate	0.888	1.065		19.93	50
Methylene Chloride	0.731	0.720		-1.5	50
trans-1,2-Dichloroethene	0.607	0.611		0.66	50
1,1-Dichloroethane	1.247	1.300	0.1	4.25	50
Cyclohexane	1.082	1.118		3.33	50
2-Butanone	0.555	0.601		8.29	50
Carbon Tetrachloride	0.465	0.482		3.66	50
cis-1,2-Dichloroethene	0.749	0.765		2.14	50
Bromochloromethane	0.594	0.555		-6.57	50
Chloroform	1.239	1.303		5.16	50
1,1,1-Trichloroethane	1.000	1.051		5.1	50
Methylcyclohexane	0.549	0.592		7.83	50
Benzene	1.448	1.499		3.52	50
1,2-Dichloroethane	0.521	0.569		9.21	50
Trichloroethene	0.340	0.355		4.41	50
1,2-Dichloropropane	0.372	0.392		5.38	50
Bromodichloromethane	0.516	0.564		9.3	50
4-Methyl-2-Pentanone	0.587	0.671		14.31	50
Toluene	0.849	0.895		5.42	50
t-1,3-Dichloropropene	0.431	0.502		16.47	50
cis-1,3-Dichloropropene	0.503	0.577		14.71	50
1,1,2-Trichloroethane	0.350	0.372		6.29	50
2-Hexanone	0.425	0.491		15.53	50
Dibromochloromethane	0.366	0.406		10.93	50
1,2-Dibromoethane	0.349	0.376		7.74	50
Tetrachloroethene	0.320	0.319		-0.31	50
Chlorobenzene	1.058	1.094	0.3	3.4	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.: Q1500 SAS No.: Q1500 SDG No.: Q1500

Instrument ID: MSVOA_X Calibration Date/Time: 03/10/2025 20:17

Lab File ID: VX045209.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	1.948		5.7	50
m/p-Xylenes	0.675	0.720		6.67	50
o-Xylene	0.681	0.716		5.14	50
Styrene	1.101	1.204		9.35	50
Bromoform	0.266	0.297	0.1	11.65	50
Isopropylbenzene	3.903	3.997		2.41	50
1,1,2,2-Tetrachloroethane	1.432	1.463	0.3	2.16	50
1,3-Dichlorobenzene	1.643	1.689		2.8	50
1,4-Dichlorobenzene	1.662	1.683		1.26	50
1,2-Dichlorobenzene	1.648	1.699		3.1	50
1,2-Dibromo-3-Chloropropane	0.279	0.298		6.81	50
1,2,4-Trichlorobenzene	0.938	0.975		3.94	50
1,2,3-Trichlorobenzene	0.990	1.017		2.73	50
1,2-Dichloroethane-d4	0.795	0.855		7.55	50
Dibromofluoromethane	0.334	0.362		8.38	50
Toluene-d8	1.212	1.265		4.37	50
4-Bromofluorobenzene	0.402	0.448		11.44	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\VX031025\
Data File : VX045209.D
Acq On : 10 Mar 2025 20:17
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 11 04:04:46 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 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	89805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	161478	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	141315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76819	53.777	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.560%			
35) Dibromofluoromethane	5.379	113	58482	54.162	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.320%			
50) Toluene-d8	8.647	98	204329	52.198	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.400%			
62) 4-Bromofluorobenzene	11.079	95	72332	55.762	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	56068	49.599	ug/l	95
3) Chloromethane	1.307	50	66438	48.025	ug/l	97
4) Vinyl Chloride	1.374	62	62817	45.773	ug/l	98
5) Bromomethane	1.593	94	27338	50.673	ug/l	99
6) Chloroethane	1.666	64	34461	54.440	ug/l	100
7) Trichlorofluoromethane	1.874	101	92332	50.823	ug/l	98
8) Diethyl Ether	2.130	74	34202	48.131	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	56114	53.761	ug/l	98
10) Methyl Iodide	2.447	142	71173	54.565	ug/l	98
11) Tert butyl alcohol	2.971	59	61066	225.688	ug/l	100
12) 1,1-Dichloroethene	2.313	96	54950	49.795	ug/l	98
13) Acrolein	2.233	56	74133	237.014	ug/l	99
14) Allyl chloride	2.660	41	104974	53.441	ug/l	97
15) Acrylonitrile	3.063	53	194961	268.846	ug/l	99
16) Acetone	2.380	43	168917	254.865	ug/l	98
17) Carbon Disulfide	2.502	76	132826	45.192	ug/l	97
18) Methyl Acetate	2.703	43	95625	59.975	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	198391	53.586	ug/l	98
20) Methylene Chloride	2.782	84	64617	49.218	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	54883	50.342	ug/l	98
22) Diisopropyl ether	3.758	45	215508	53.946	ug/l	90
23) Vinyl Acetate	3.715	43	929015	278.666	ug/l	100
24) 1,1-Dichloroethane	3.605	63	116765	52.153	ug/l	100
25) 2-Butanone	4.556	43	269878	270.518	ug/l	99
26) 2,2-Dichloropropane	4.465	77	70028	66.684	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	68687	51.038	ug/l	94
28) Bromochloromethane	4.892	49	49831	46.695	ug/l	97
29) Tetrahydrofuran	5.001	42	172809	257.939	ug/l	100
30) Chloroform	5.087	83	117022	52.604	ug/l	97
31) Cyclohexane	5.465	56	100388	51.654	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	94427	52.556	ug/l	99
36) 1,1-Dichloropropene	5.684	75	74357	50.215	ug/l	99
37) Ethyl Acetate	4.709	43	100796	52.826	ug/l	99
38) Carbon Tetrachloride	5.666	117	77847	51.782	ug/l	96
39) Methylcyclohexane	7.373	83	95610	53.885	ug/l	97
40) Benzene	6.032	78	242037	51.762	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045209.D
Acq On : 10 Mar 2025 20:17
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 11 04:04:46 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 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	58064	56.278	ug/l		99
42) 1,2-Dichloroethane	6.080	62	91915	54.587	ug/l		98
43) Isopropyl Acetate	6.336	43	159254	56.443	ug/l		100
44) Trichloroethene	7.123	130	57349	52.232	ug/l		99
45) 1,2-Dichloropropane	7.428	63	63296	52.648	ug/l		100
46) Dibromomethane	7.574	93	45791	53.887	ug/l		98
47) Bromodichloromethane	7.818	83	91086	54.648	ug/l		99
48) Methyl methacrylate	7.690	41	80293	56.723	ug/l		96
49) 1,4-Dioxane	7.659	88	28702	961.250	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	541601	285.882	ug/l		100
52) Toluene	8.714	92	144568	52.695	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	81003	58.132	ug/l		96
54) cis-1,3-Dichloropropene	8.367	75	93121	57.309	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	60107	53.219	ug/l		99
56) Ethyl methacrylate	9.116	69	99177	57.768	ug/l		97
57) 1,3-Dichloropropane	9.305	76	103733	53.072	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	230339	275.041	ug/l		98
59) 2-Hexanone	9.427	43	396595	288.929	ug/l		100
60) Dibromochloromethane	9.519	129	65571	55.525	ug/l		100
61) 1,2-Dibromoethane	9.610	107	60773	53.901	ug/l		100
64) Tetrachloroethene	9.269	164	45070	49.798	ug/l		97
65) Chlorobenzene	10.074	112	154662	51.723	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	52444	52.665	ug/l		99
67) Ethyl Benzene	10.189	91	275315	52.841	ug/l		99
68) m/p-Xylenes	10.299	106	203608	106.750	ug/l		98
69) o-Xylene	10.640	106	101225	52.621	ug/l		99
70) Styrene	10.653	104	170107	54.651	ug/l		99
71) Bromoform	10.799	173	41916	55.820	ug/l	#	99
73) Isopropylbenzene	10.958	105	261410	51.203	ug/l		99
74) N-amyl acetate	10.842	43	133947	55.914	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	95680	51.071	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	79650m	52.319	ug/l		
77) Bromobenzene	11.195	156	60709	50.399	ug/l		97
78) n-propylbenzene	11.299	91	307731	53.359	ug/l		98
79) 2-Chlorotoluene	11.360	91	184579	50.254	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	215110	52.109	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	24197	54.392	ug/l		94
82) 4-Chlorotoluene	11.451	91	211368	52.803	ug/l		99
83) tert-Butylbenzene	11.713	119	217615	51.306	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	219760	52.908	ug/l		100
85) sec-Butylbenzene	11.890	105	273492	53.829	ug/l		99
86) p-Isopropyltoluene	12.006	119	223861	54.521	ug/l		100
87) 1,3-Dichlorobenzene	11.970	146	110444	51.396	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	110057	50.623	ug/l		99
89) n-Butylbenzene	12.329	91	198652	56.174	ug/l		100
90) Hexachloroethane	12.536	117	38405	51.712	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	111119	51.548	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19480	53.372	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	63774	51.957	ug/l		99
94) Hexachlorobutadiene	13.725	225	25562	50.796	ug/l		99
95) Naphthalene	13.774	128	249638	52.935	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	66492	51.350	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045209.D
Acq On : 10 Mar 2025 20:17
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

Quant Time: Mar 11 04:04:46 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

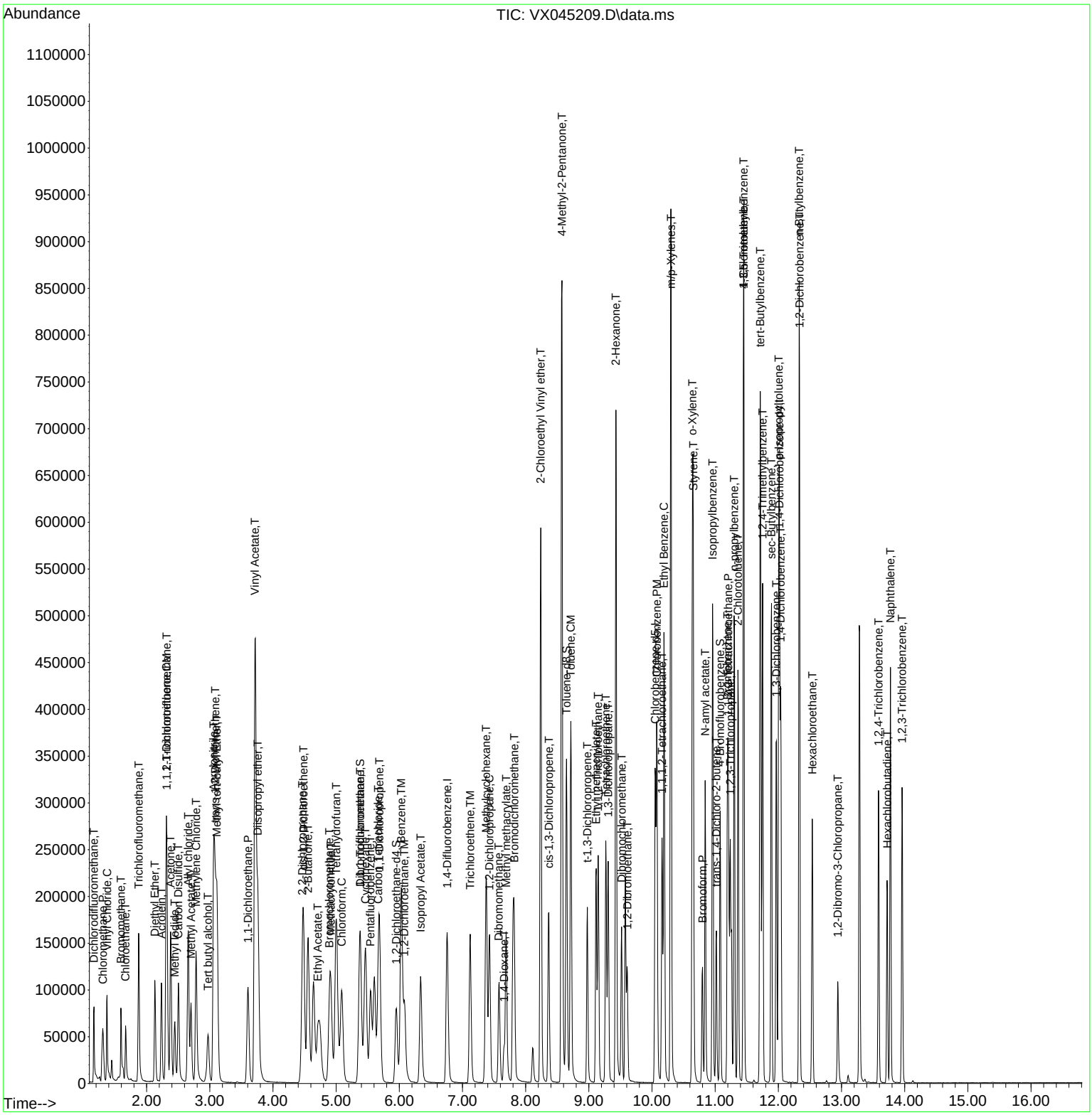
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045209.D
Acq On : 10 Mar 2025 20:17
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

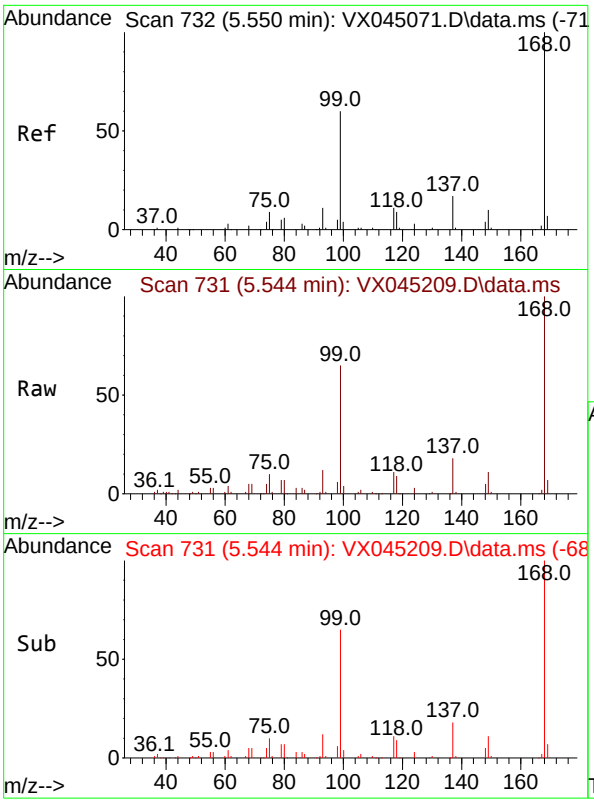
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

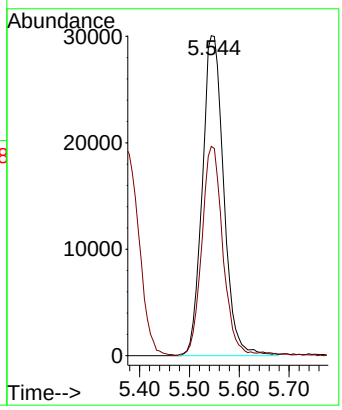




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:168 Resp: 8980

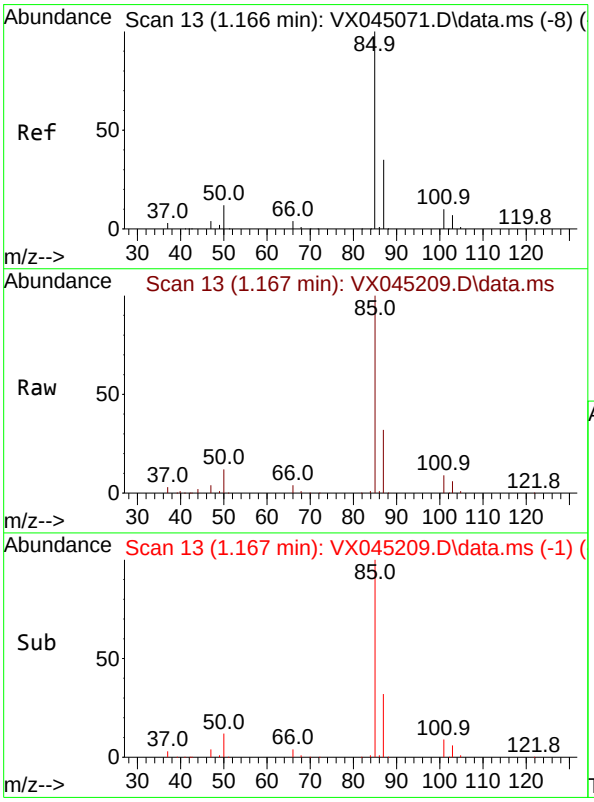
Ion	Ratio	Lower	Upper
168	100		
99	65.2	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

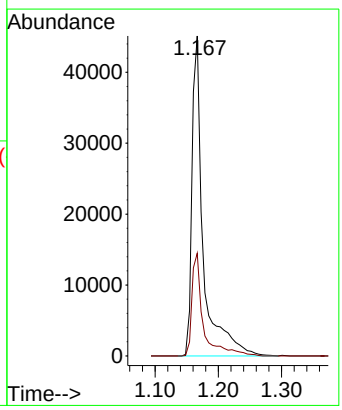
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

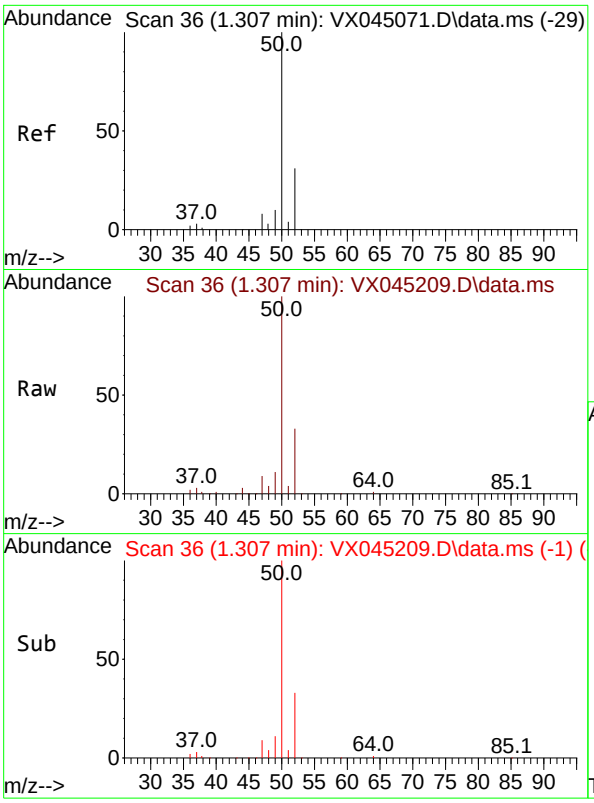


#2
Dichlorodifluoromethane
Concen: 49.599 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 85 Resp: 56068

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.4	52.3





#3
Chloromethane
Concen: 48.025 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

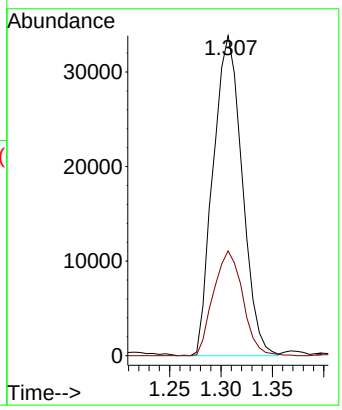
Tgt Ion: 50 Resp: 6643

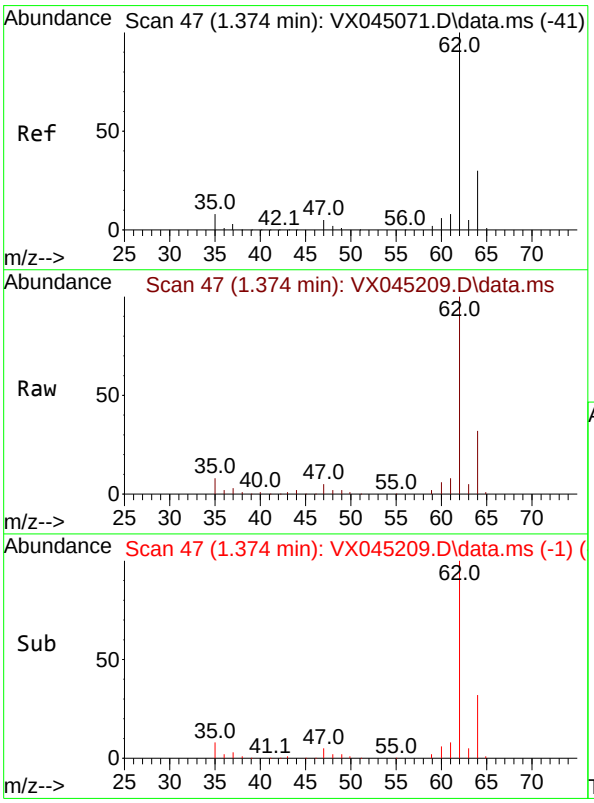
Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

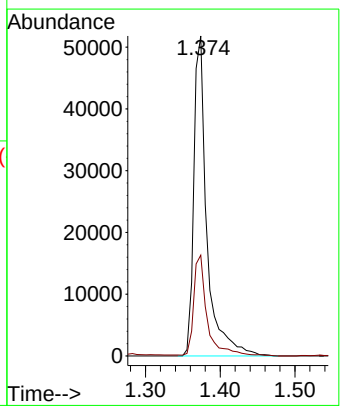


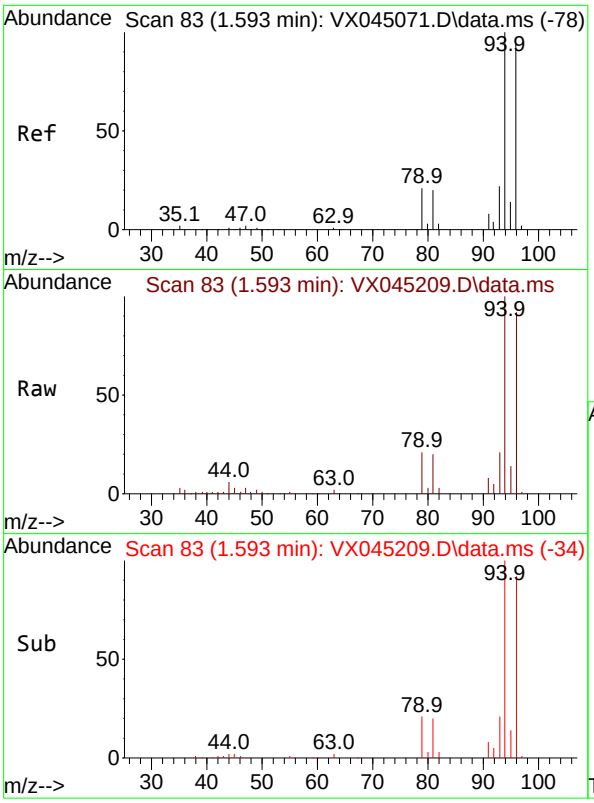


#4
Vinyl Chloride
Concen: 45.773 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 62 Resp: 62817

Ion	Ratio	Lower	Upper
62	100		
64	31.5	24.3	36.5

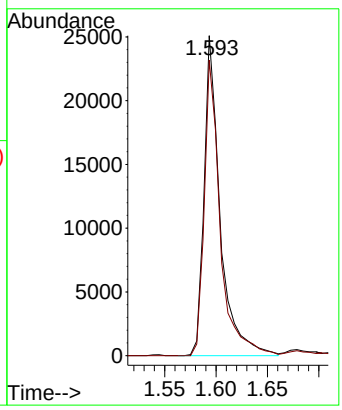




#5
Bromomethane
Concen: 50.673 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 94 Resp: 2733

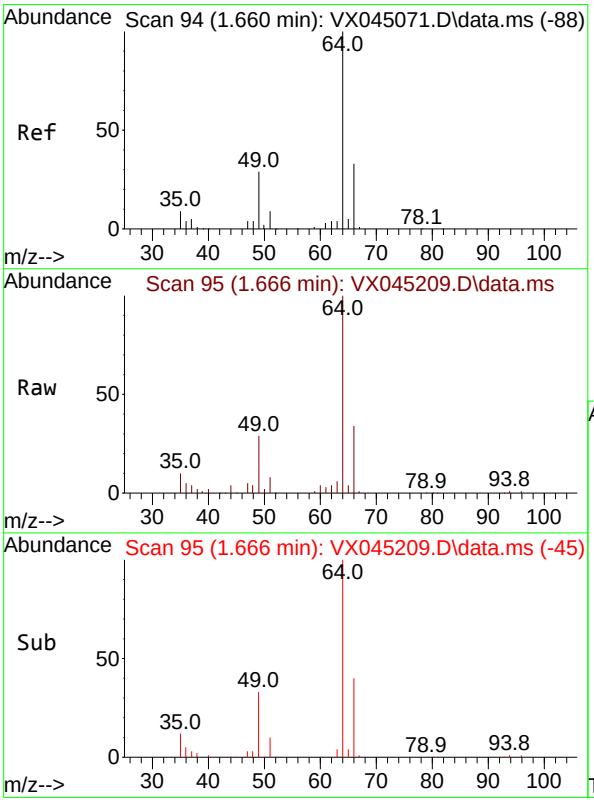
Ion	Ratio	Lower	Upper
94	100		
96	92.3	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

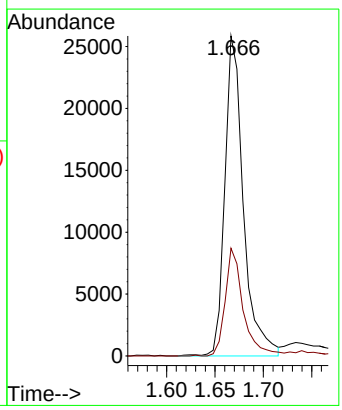
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

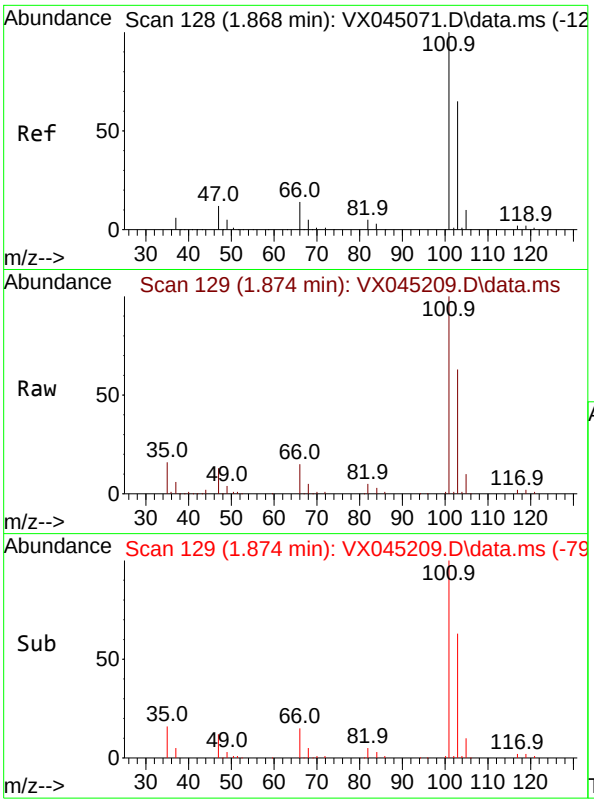


#6
Chloroethane
Concen: 54.440 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 64 Resp: 34461

Ion	Ratio	Lower	Upper
64	100		
66	33.7	26.7	40.1





#7
Trichlorofluoromethane
Concen: 50.823 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

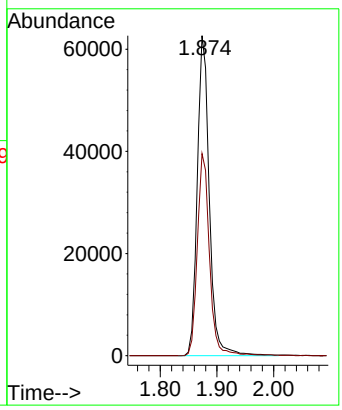
Tgt Ion:101 Resp: 9233

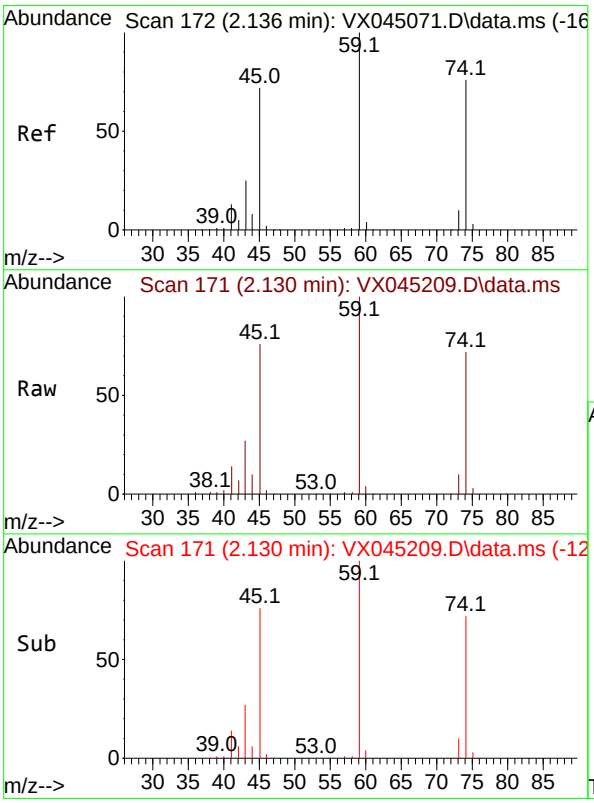
Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

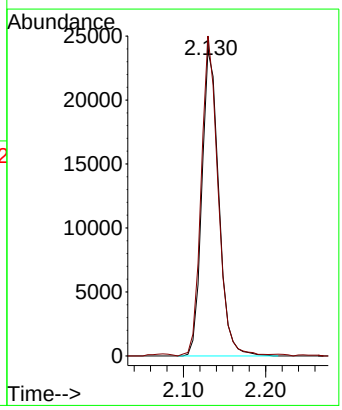


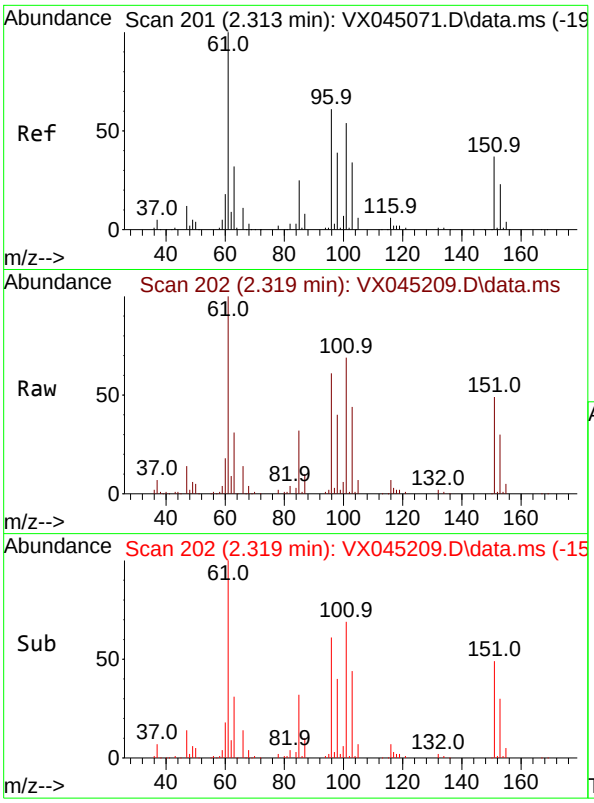


#8
Diethyl Ether
Concen: 48.131 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 74 Resp: 34202

Ion	Ratio	Lower	Upper
74	100		
45	104.4	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.761 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

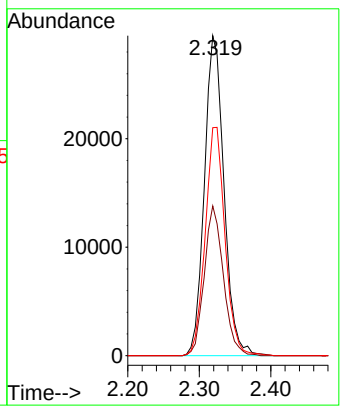
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

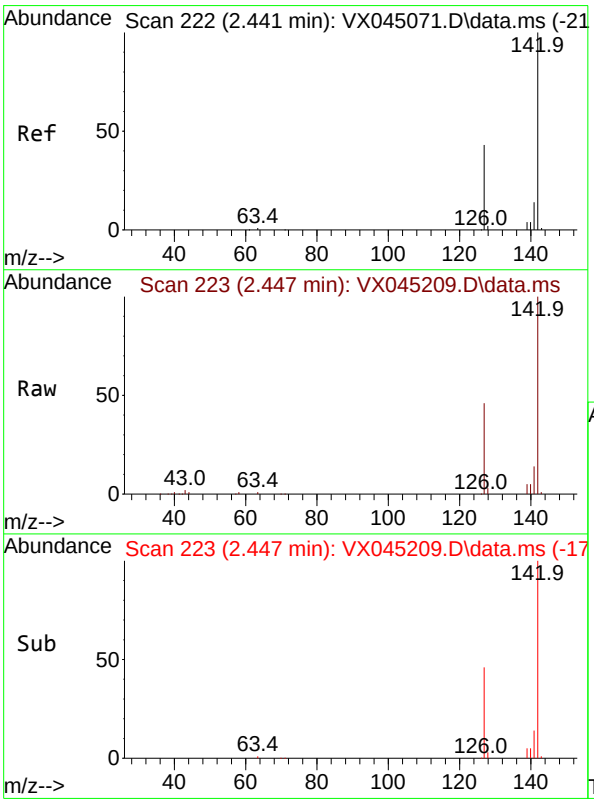
Tgt Ion:101 Resp: 5611

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.2	54.4
151	72.2	56.4	84.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

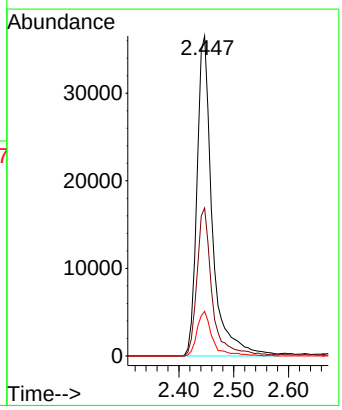


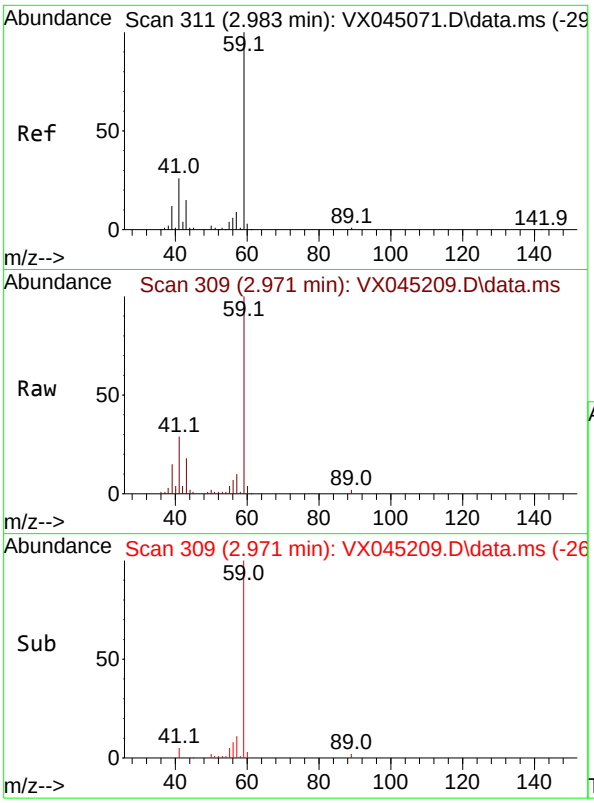


#10
Methyl Iodide
Concen: 54.565 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:142 Resp: 71173

Ion	Ratio	Lower	Upper
142	100		
127	45.6	35.4	53.2
141	14.0	11.6	17.4





#11
Tert butyl alcohol
Concen: 225.688 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

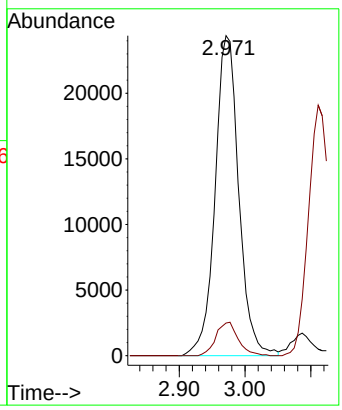
Tgt Ion: 59 Resp: 6106

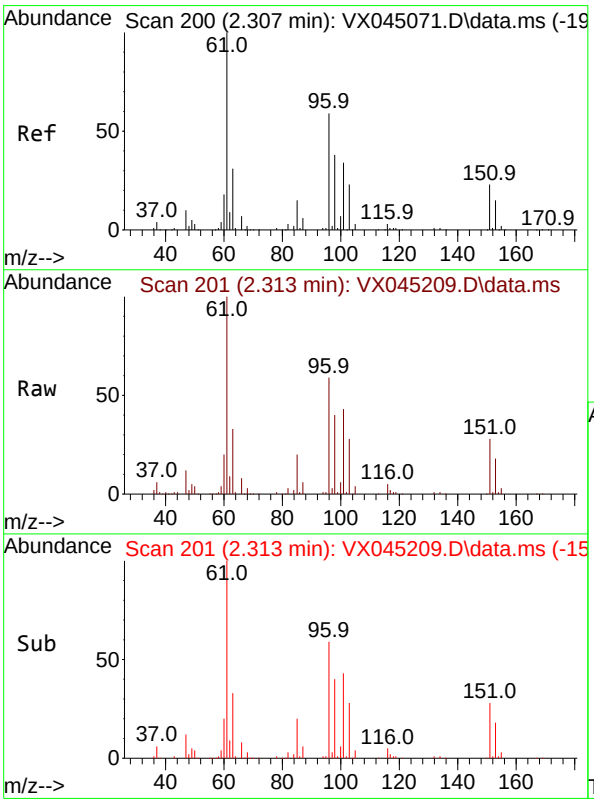
Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

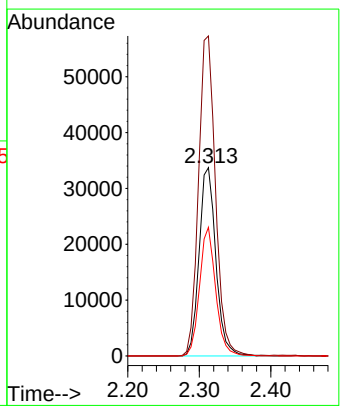


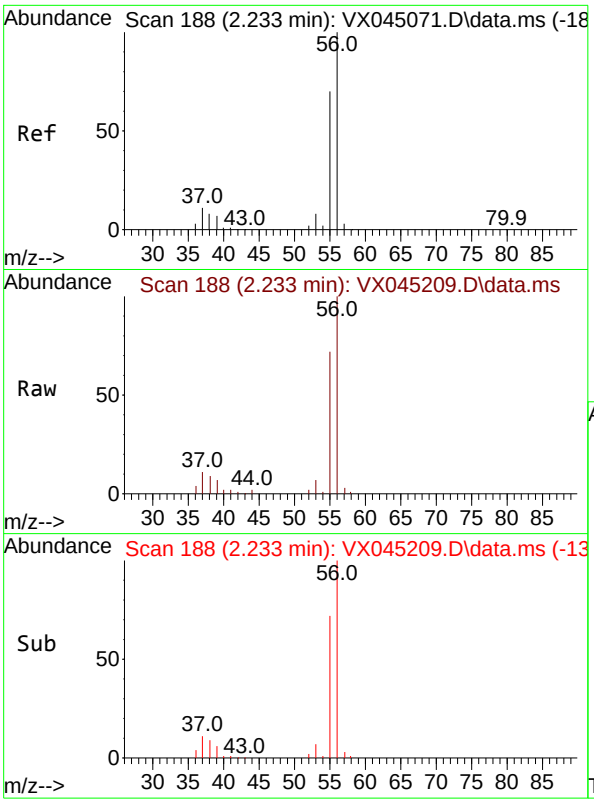


#12
1,1-Dichloroethene
Concen: 49.795 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 96 Resp: 54950

Ion	Ratio	Lower	Upper
96	100		
61	170.0	134.6	202.0
98	68.3	51.0	76.6

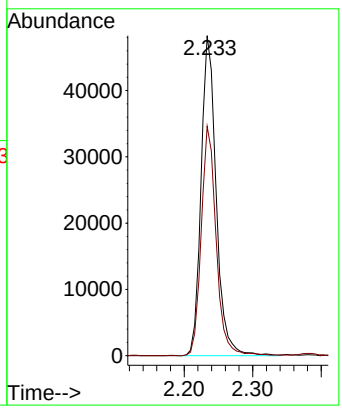




#13
Acrolein
Concen: 237.014 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 56 Resp: 7413

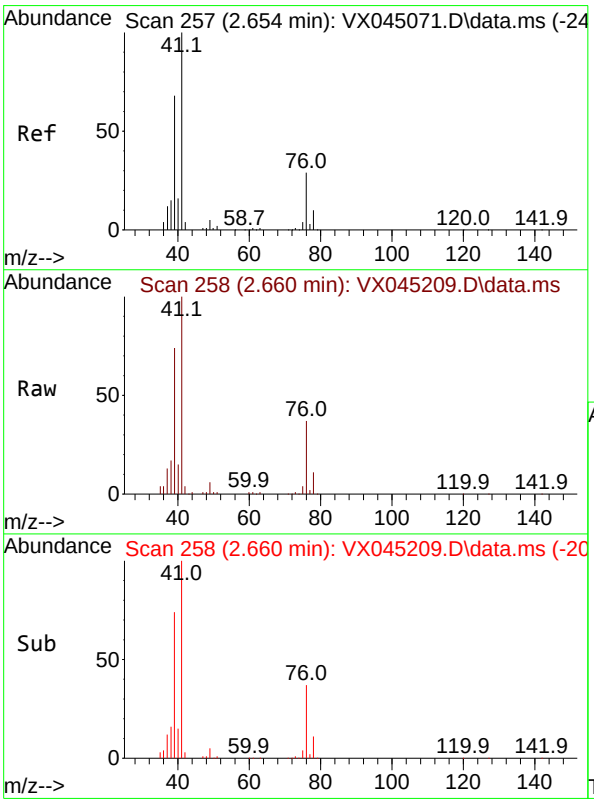
Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

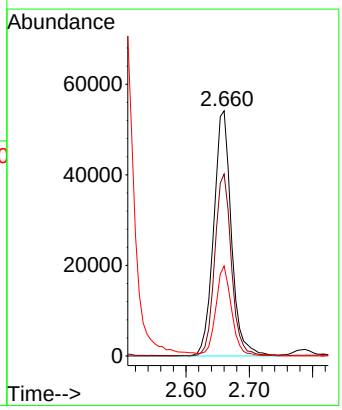
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

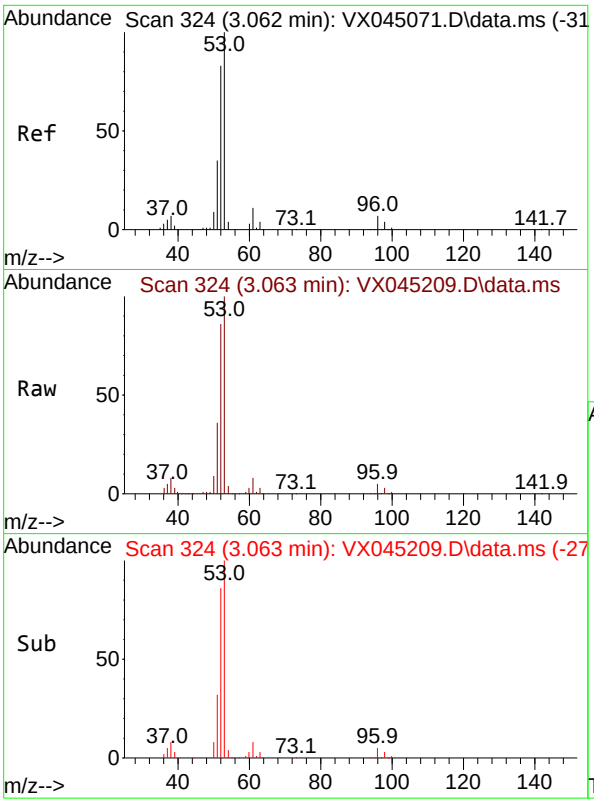


#14
Allyl chloride
Concen: 53.441 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 41 Resp: 104974

Ion	Ratio	Lower	Upper
41	100		
39	70.0	53.8	80.8
76	32.8	25.2	37.8

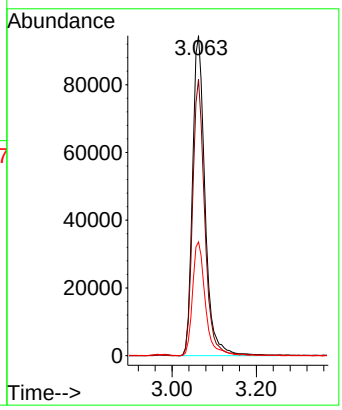




#15
Acrylonitrile
Concen: 268.846 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 53 Resp: 19496

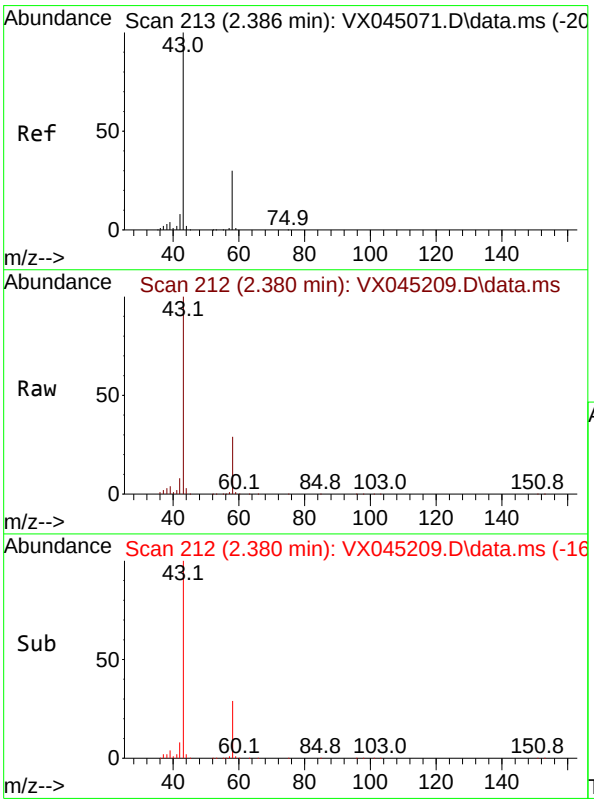
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	36.6	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

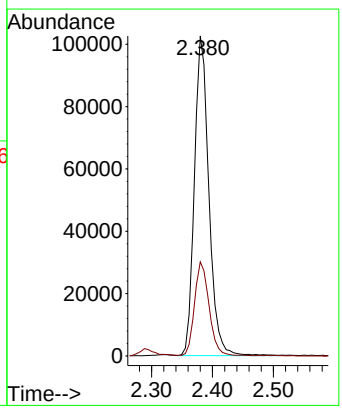
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

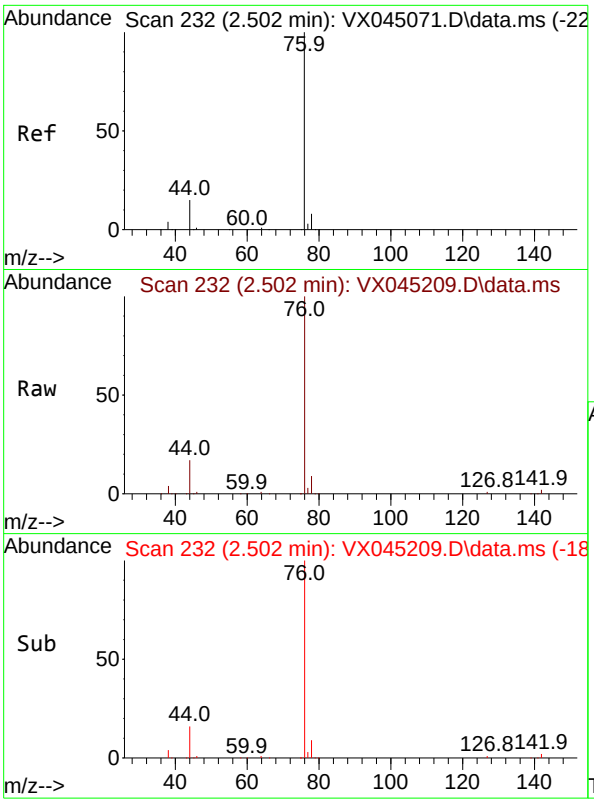


#16
Acetone
Concen: 254.865 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 43 Resp: 168917

Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.2	36.4

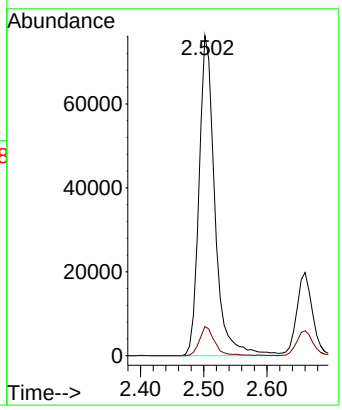




#17
Carbon Disulfide
Concen: 45.192 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 76 Resp: 13282

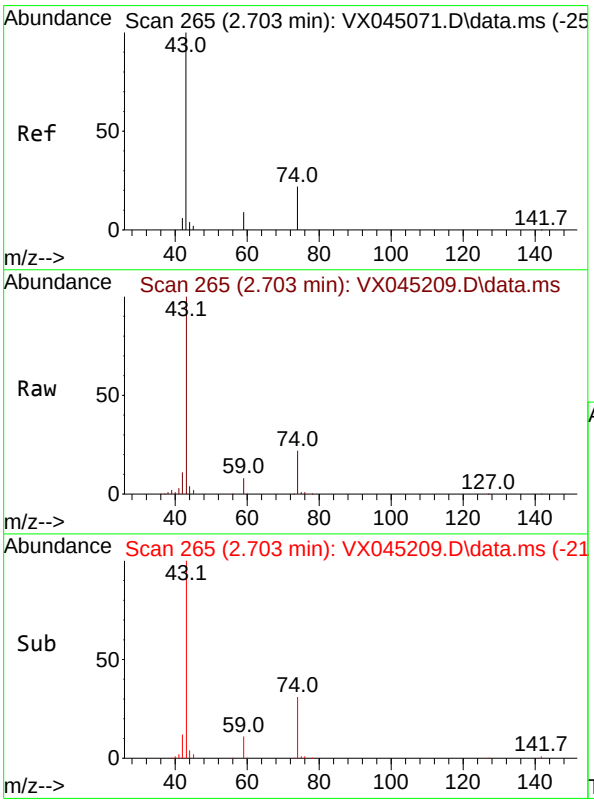
Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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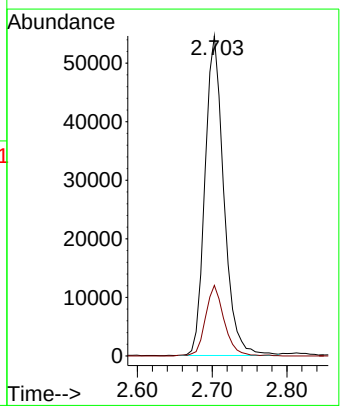
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

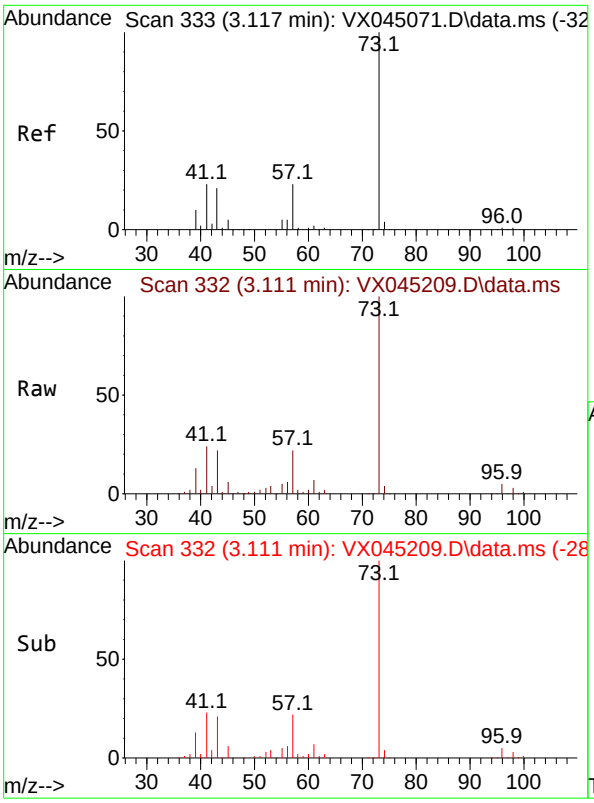


#18
Methyl Acetate
Concen: 59.975 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 43 Resp: 95625

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2

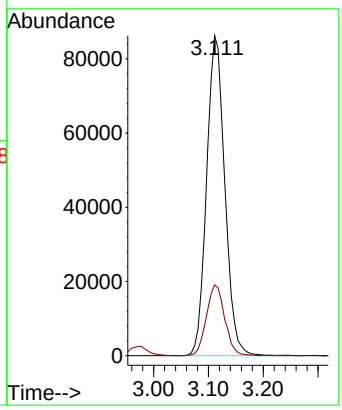




#19
Methyl tert-butyl Ether
Concen: 53.586 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 73 Resp: 19839

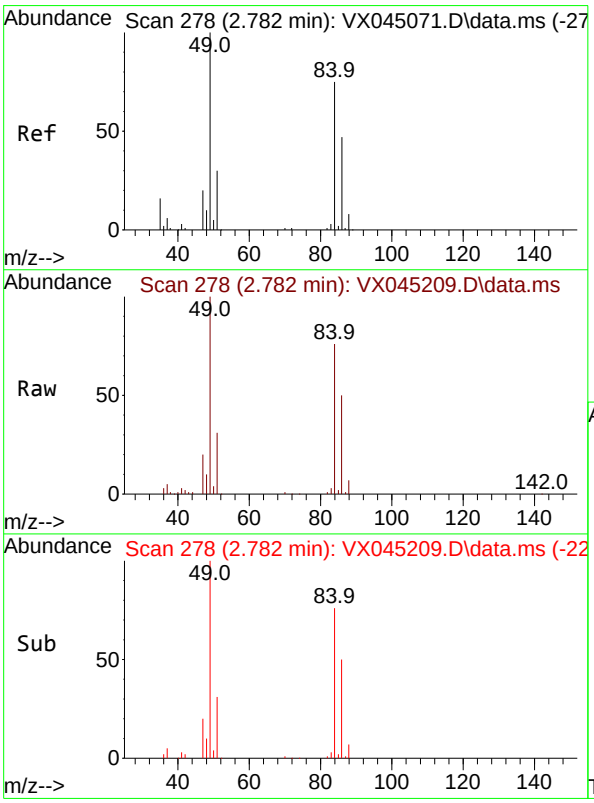
Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

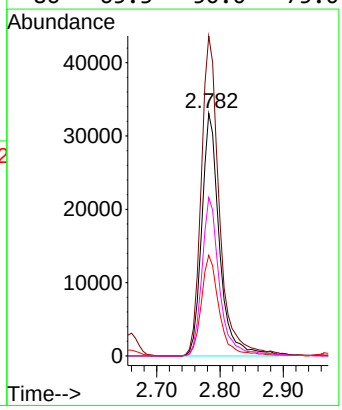
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

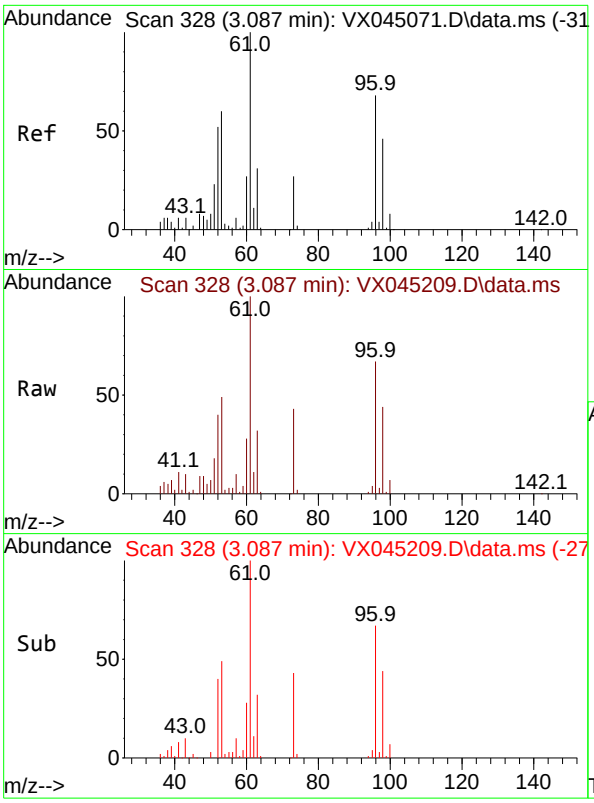


#20
Methylene Chloride
Concen: 49.218 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 84 Resp: 64617

Ion	Ratio	Lower	Upper
84	100		
49	131.9	106.5	159.7
51	41.5	32.1	48.1
86	65.3	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 50.342 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

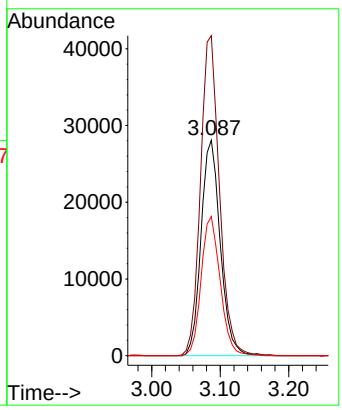
Tgt Ion: 96 Resp: 5488

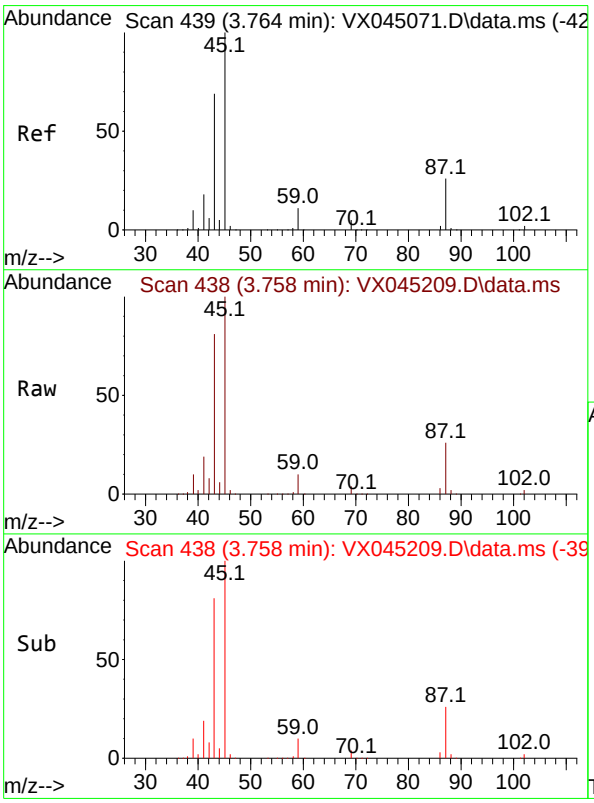
Ion	Ratio	Lower	Upper
96	100		
61	148.4	117.0	175.4
98	64.6	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

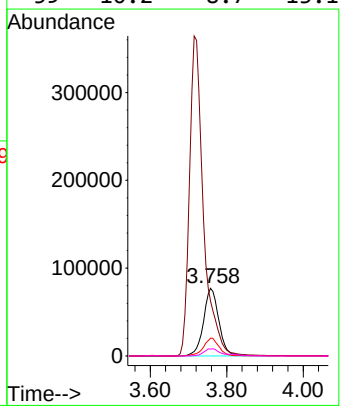


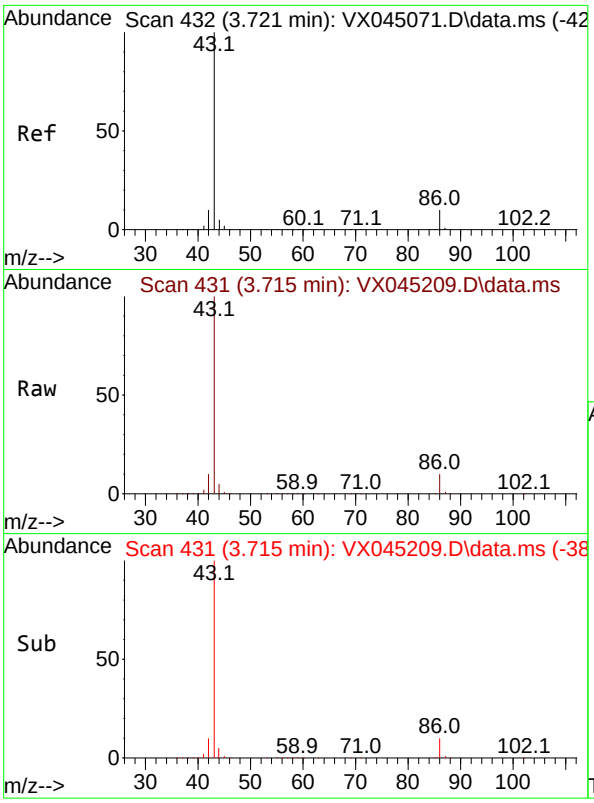


#22
Diisopropyl ether
Concen: 53.946 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 45 Resp: 215508

Ion	Ratio	Lower	Upper
45	100		
43	80.9	54.9	82.3
87	26.3	21.0	31.4
59	10.2	8.7	13.1





#23
Vinyl Acetate
Concen: 278.666 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

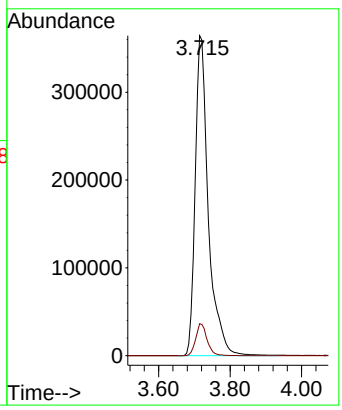
Tgt Ion: 43 Resp: 92901

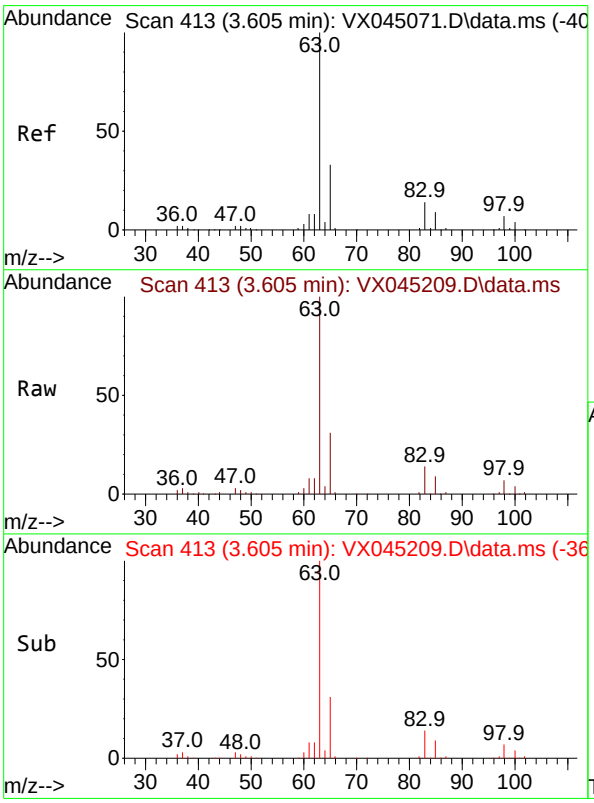
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

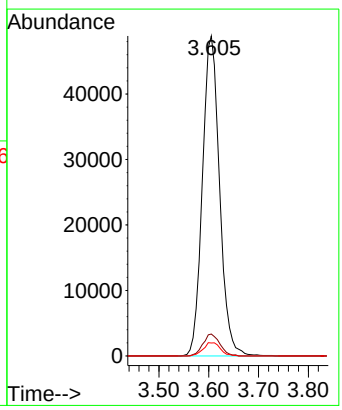


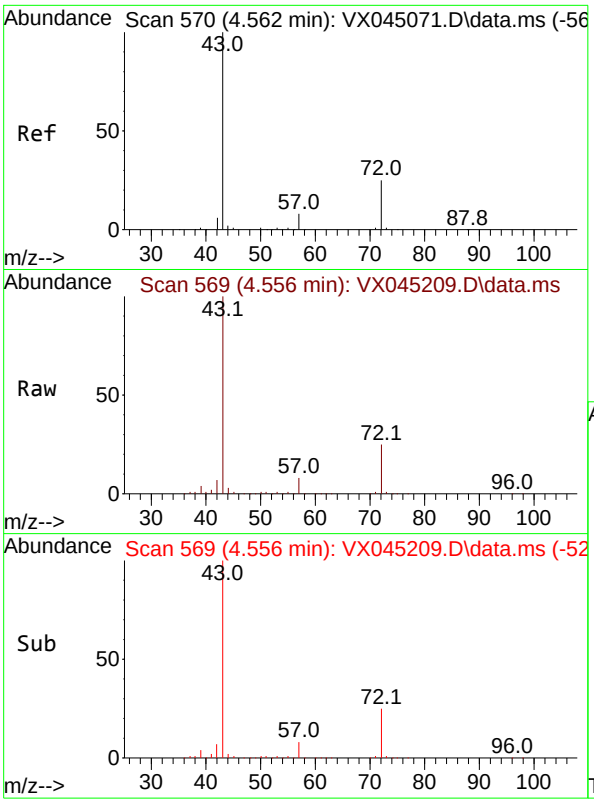


#24
1,1-Dichloroethane
Concen: 52.153 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 63 Resp: 116765

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.0	2.1	6.5





#25
2-Butanone
Concen: 270.518 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

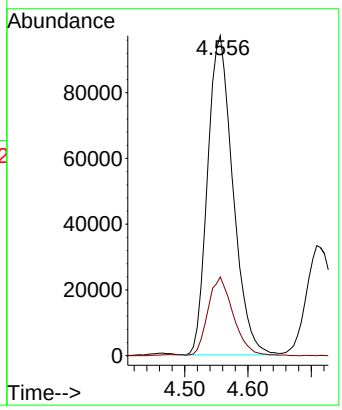
Tgt Ion: 43 Resp: 26987

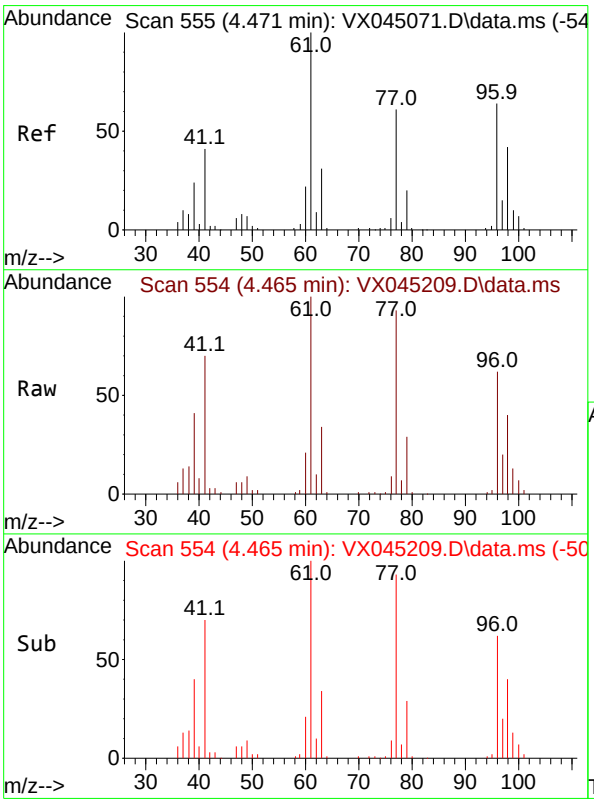
Ion	Ratio	Lower	Upper
43	100		
72	24.5	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

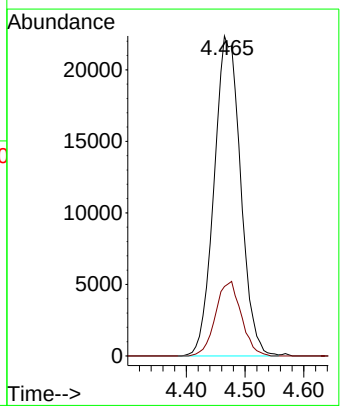


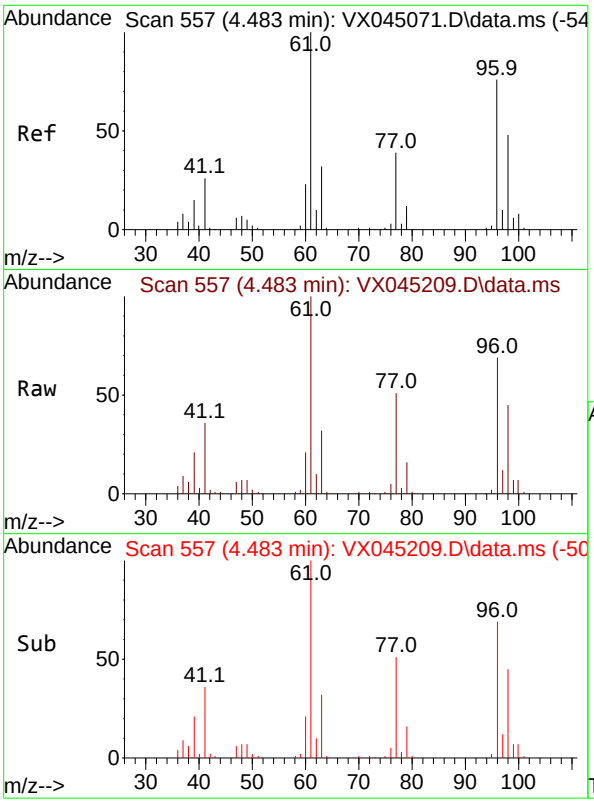


#26
2,2-Dichloropropane
Concen: 66.684 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 77 Resp: 70028

Ion	Ratio	Lower	Upper
77	100		
97	22.7	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 51.038 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

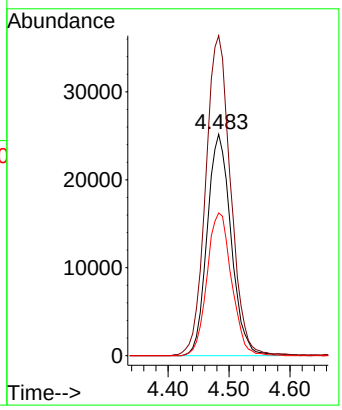
Tgt Ion: 96 Resp: 6868

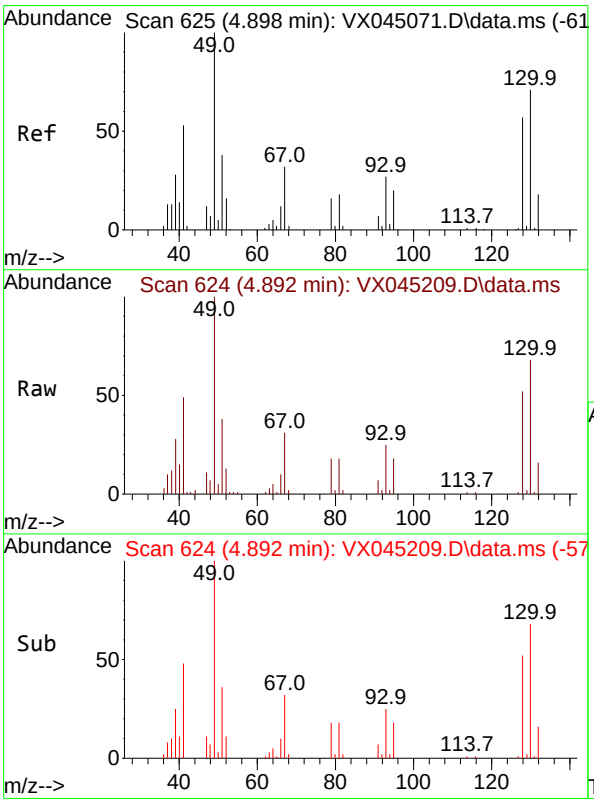
Ion	Ratio	Lower	Upper
96	100		
61	151.0	0.0	283.2
98	66.1	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

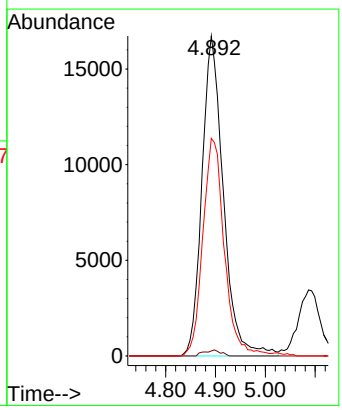


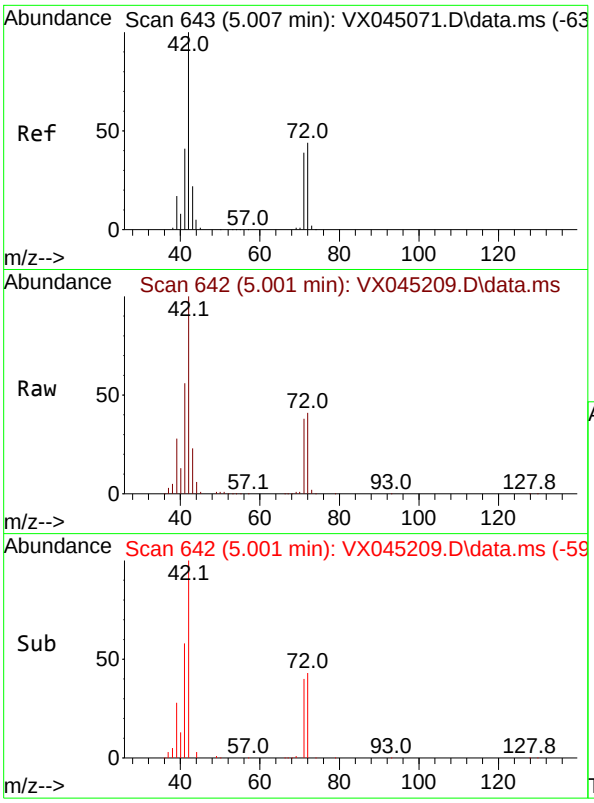


#28
Bromochloromethane
Concen: 46.695 ug/l
RT: 4.892 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 49 Resp: 49831

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	68.0	56.1	84.1





#29
Tetrahydrofuran
Concen: 257.939 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

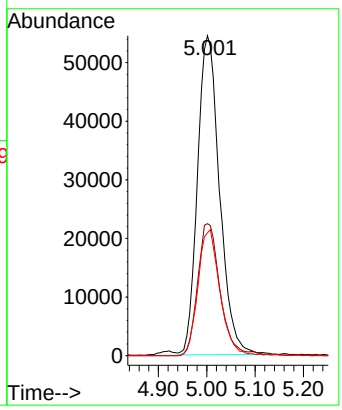
Tgt Ion: 42 Resp: 172809

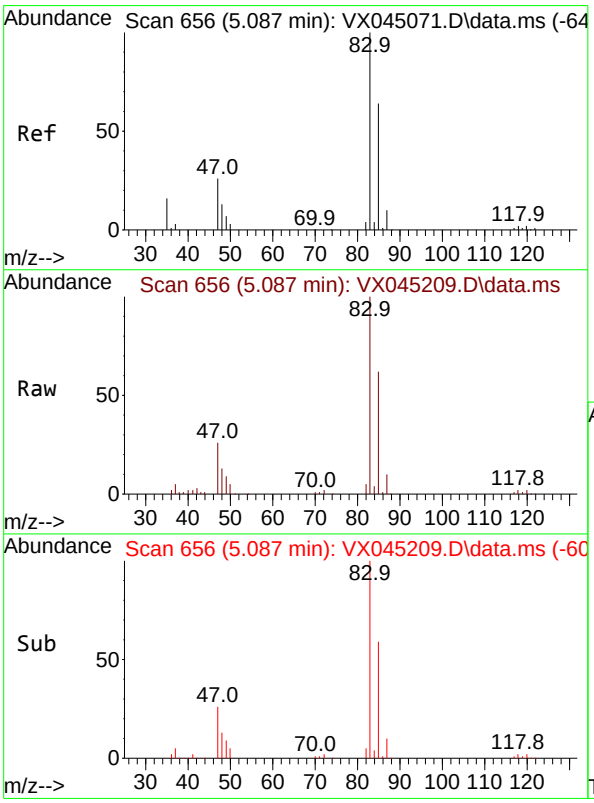
Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	39.2	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

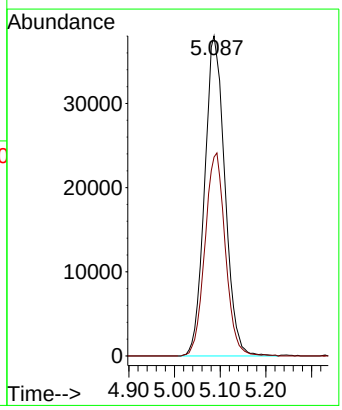


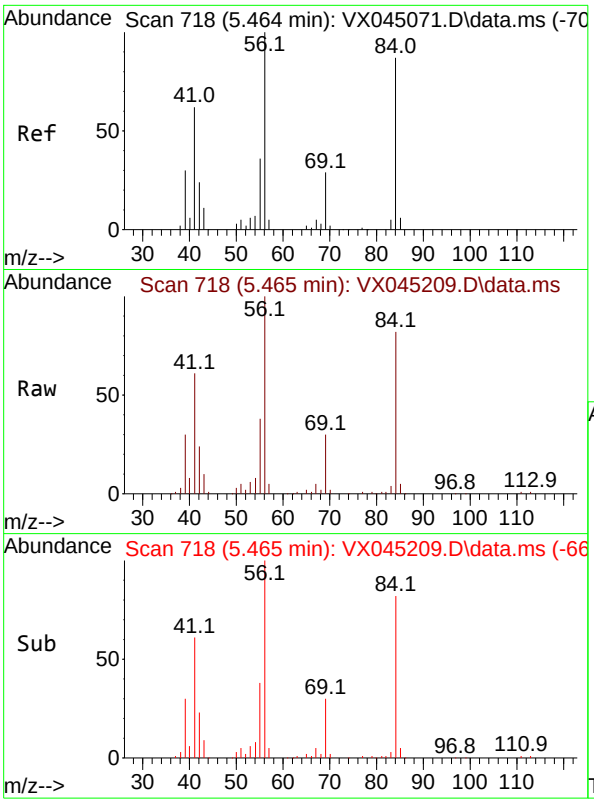


#30
Chloroform
Concen: 52.604 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 83 Resp: 117022

Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.4	77.2





#31
Cyclohexane
Concen: 51.654 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

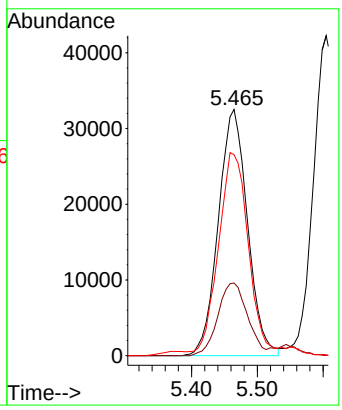
Tgt Ion: 56 Resp: 10038

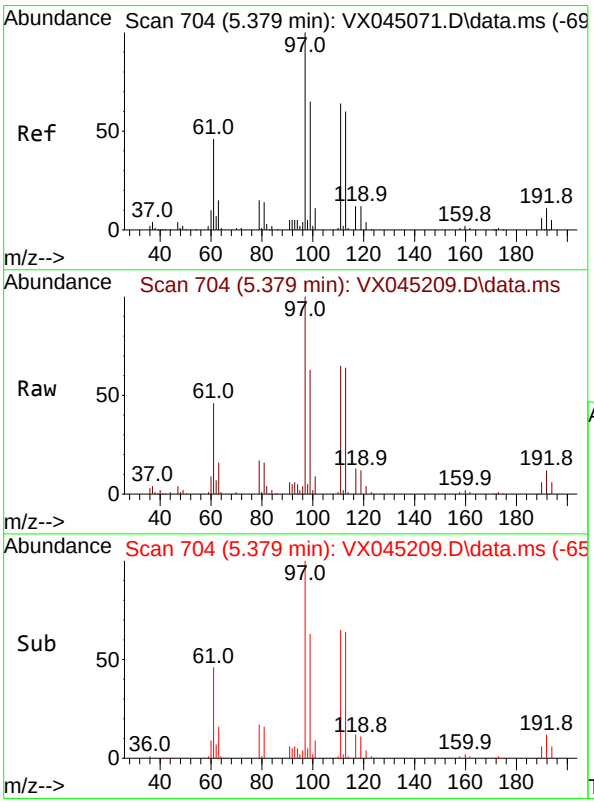
Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.4	35.2
84	79.9	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

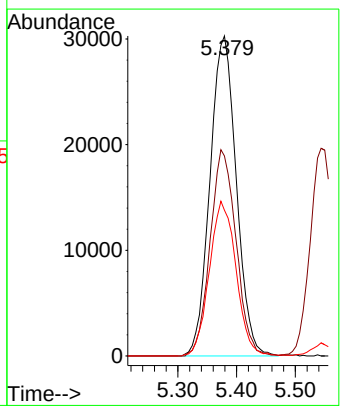


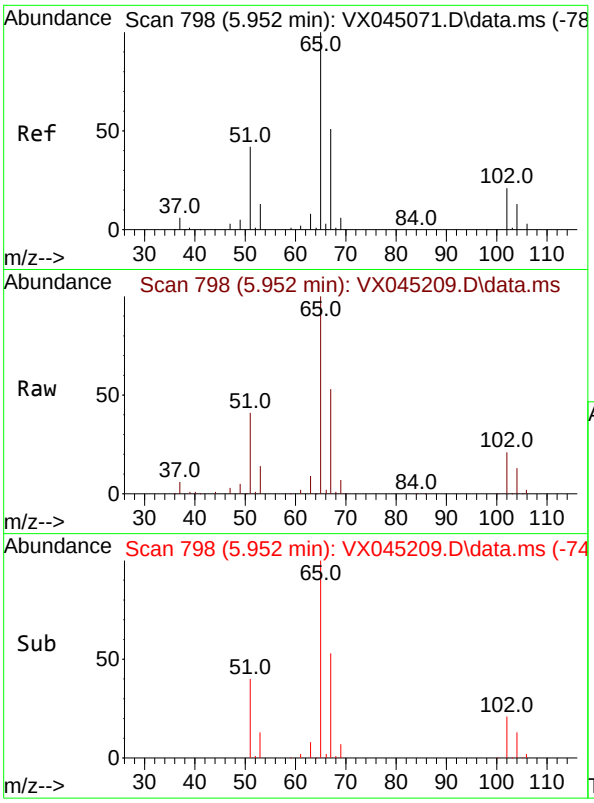


#32
1,1,1-Trichloroethane
Concen: 52.556 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 97 Resp: 94427

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.6	77.4
61	49.1	38.4	57.6

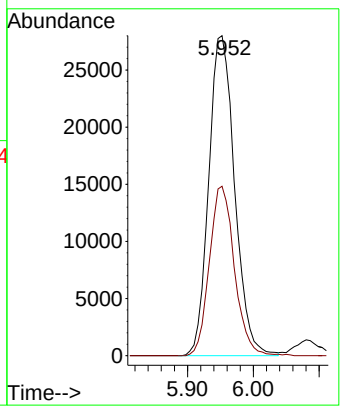




#33
1,2-Dichloroethane-d4
Concen: 53.777 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 65 Resp: 7681

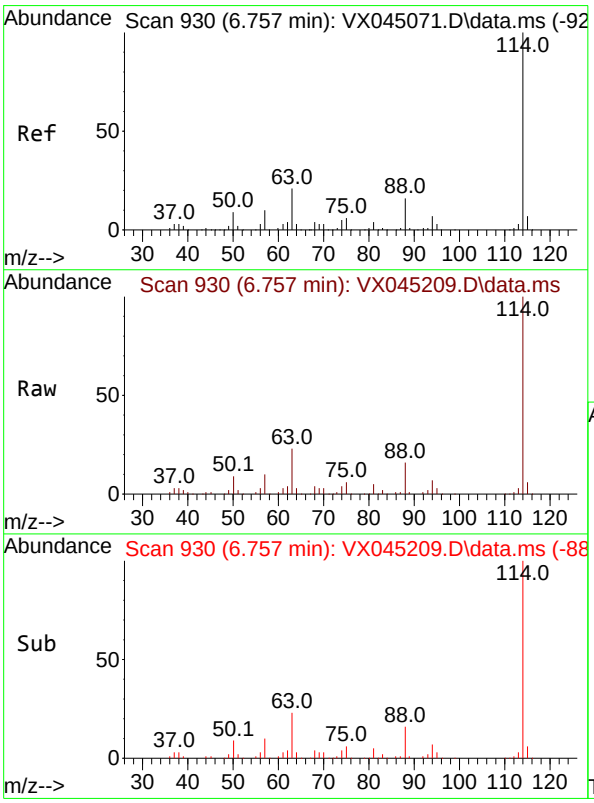
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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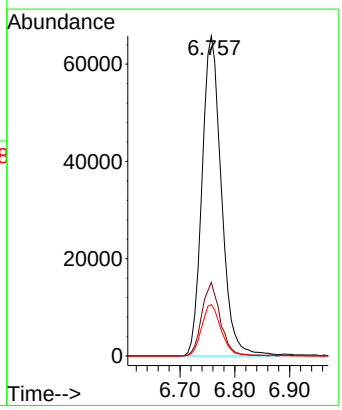
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

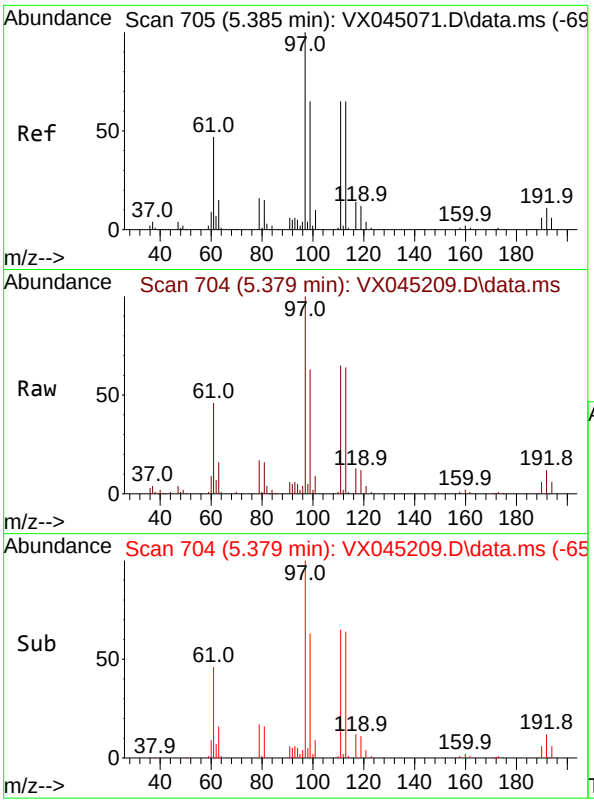


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:114 Resp: 161478

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	41.8
88	16.1	0.0	32.8

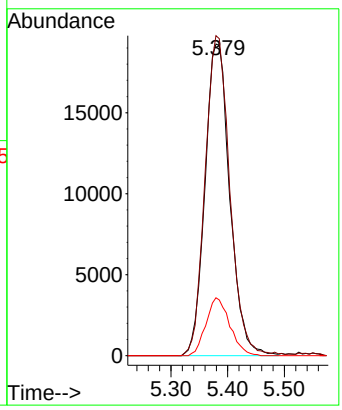




#35
Dibromofluoromethane
Concen: 54.162 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:113 Resp: 5848

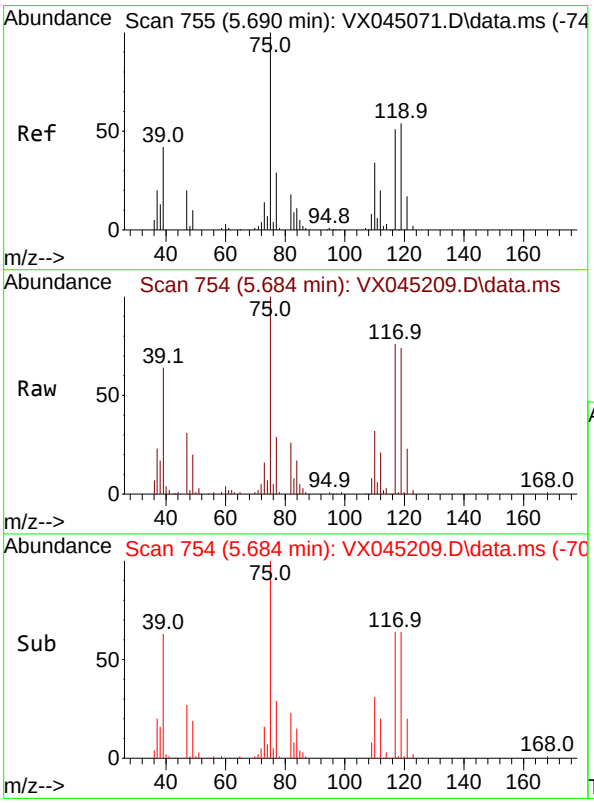
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	17.8	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

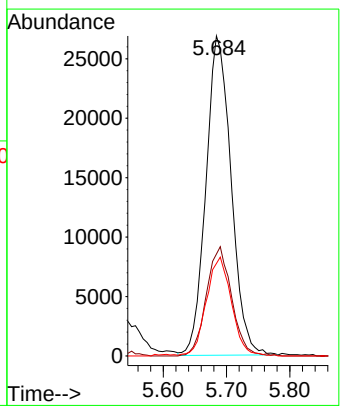
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

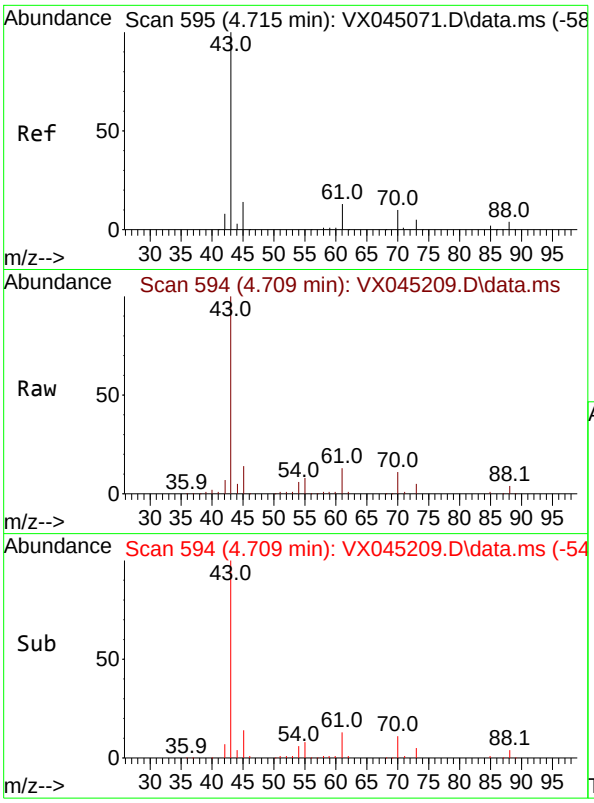


#36
1,1-Dichloropropene
Concen: 50.215 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 75 Resp: 74357

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.6
77	30.9	24.5	36.7

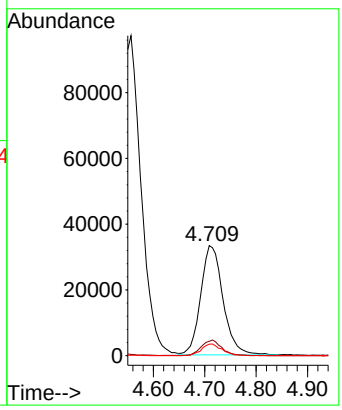




#37
Ethyl Acetate
Concen: 52.826 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 43 Resp: 10079

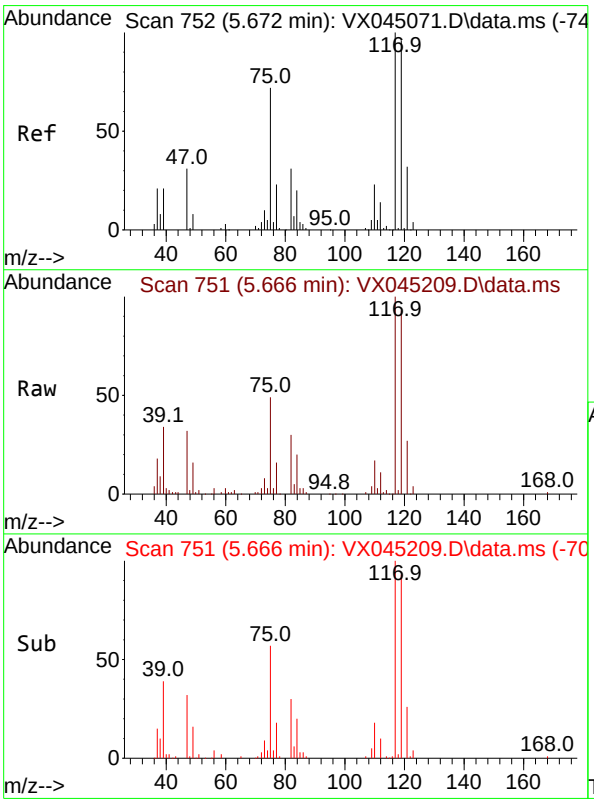
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	9.8	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

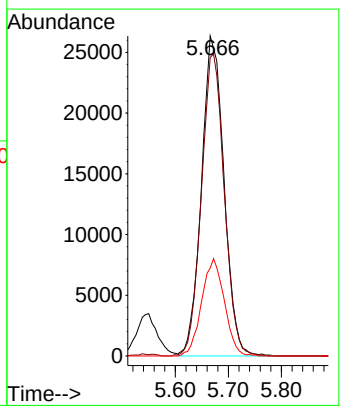
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

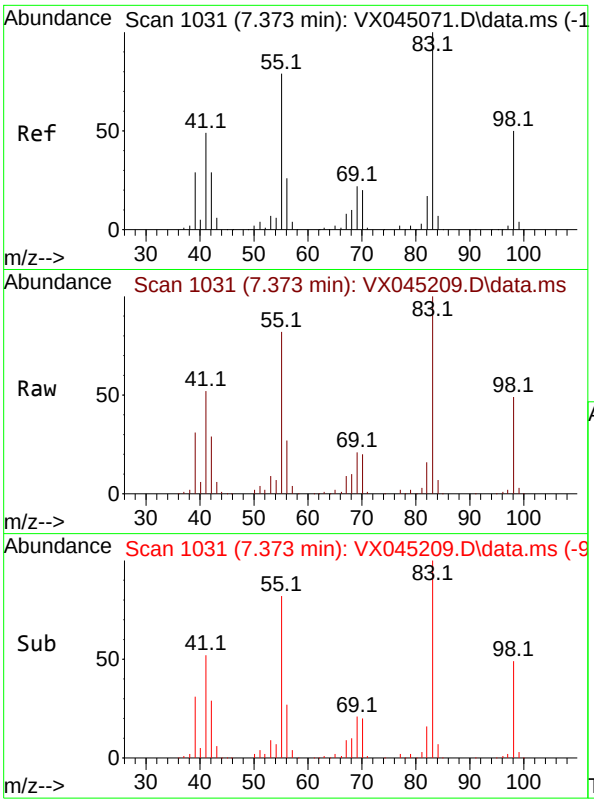


#38
Carbon Tetrachloride
Concen: 51.782 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:117 Resp: 77847

Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.7	115.1
121	27.5	25.5	38.3

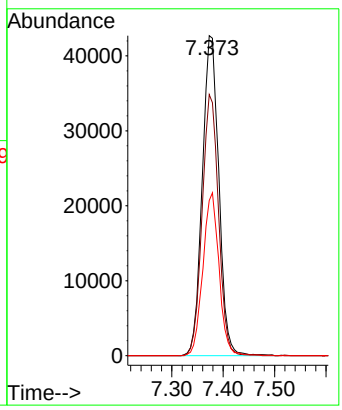




#39
Methylcyclohexane
Concen: 53.885 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 83 Resp: 9561

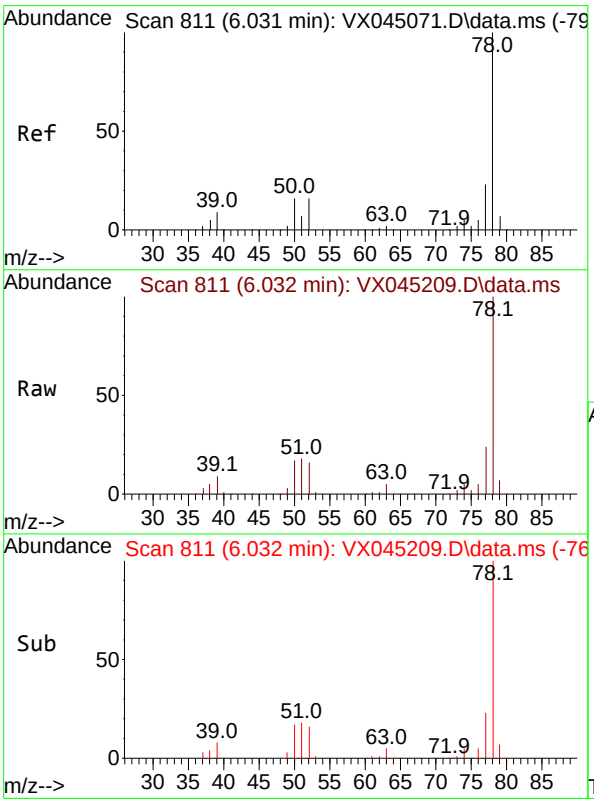
Ion	Ratio	Lower	Upper
83	100		
55	81.6	63.0	94.4
98	48.5	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

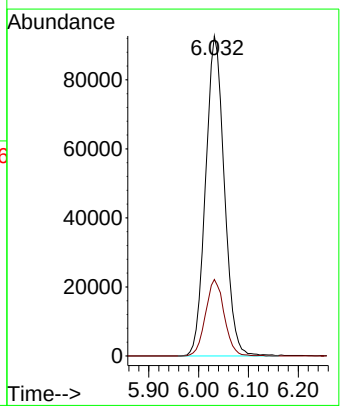
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

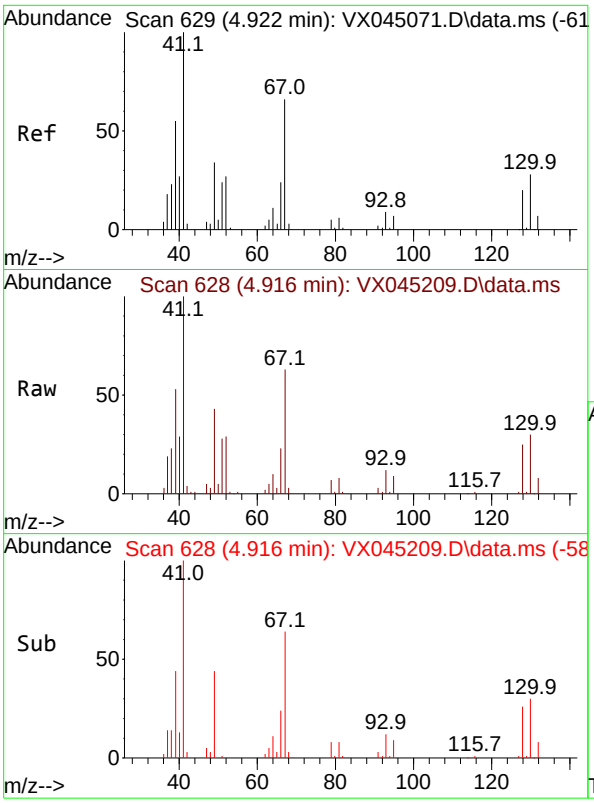


#40
Benzene
Concen: 51.762 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 78 Resp: 242037

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2

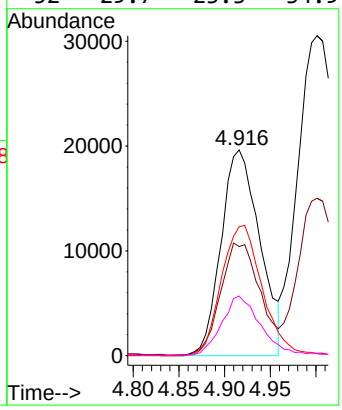




#41
Methacrylonitrile
Concen: 56.278 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 41 Resp: 5806

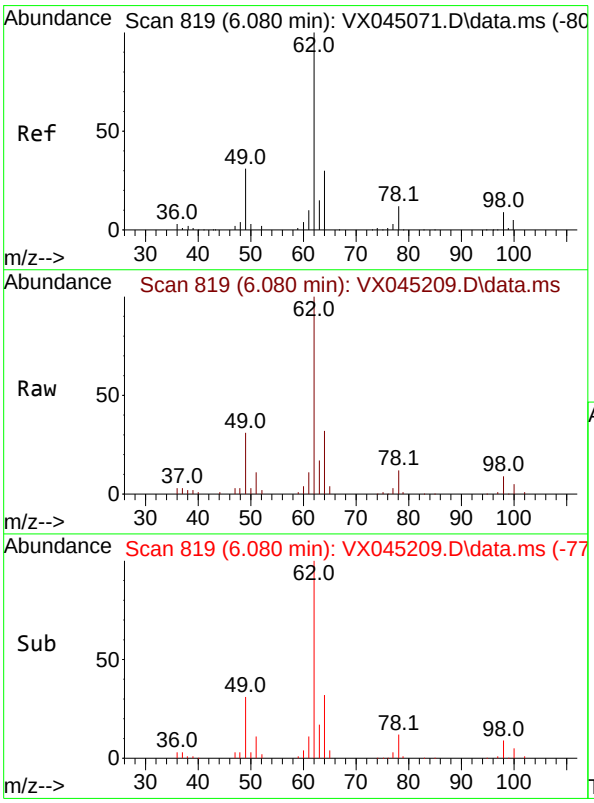
Ion	Ratio	Lower	Upper
41	100		
39	55.5	44.6	67.0
67	66.8	53.9	80.9
52	29.7	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

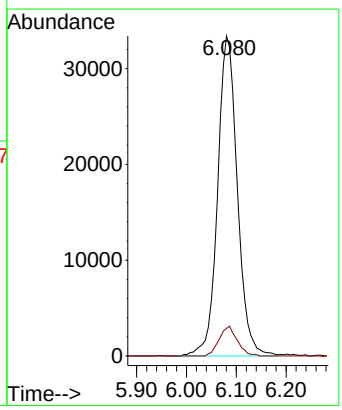
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

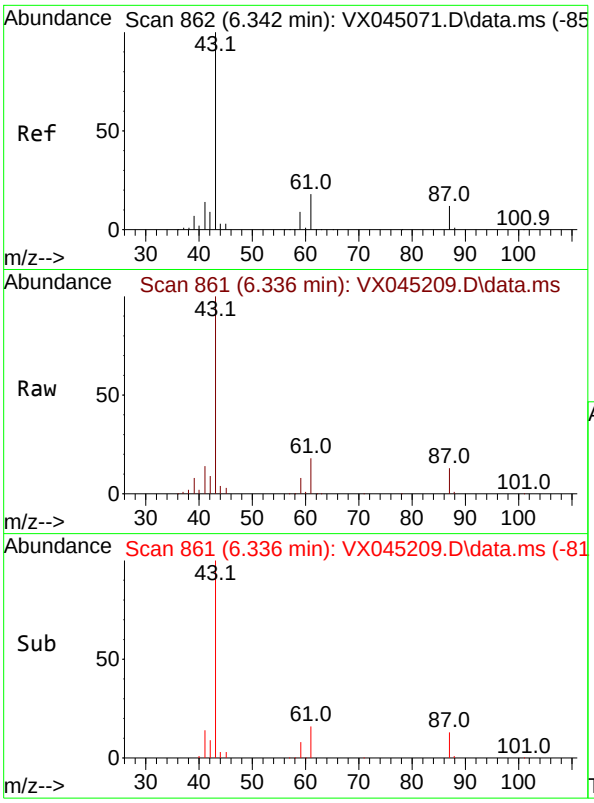


#42
1,2-Dichloroethane
Concen: 54.587 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 62 Resp: 91915

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2

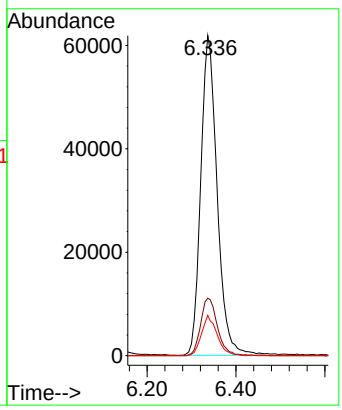




#43
Isopropyl Acetate
Concen: 56.443 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 43 Resp: 15925

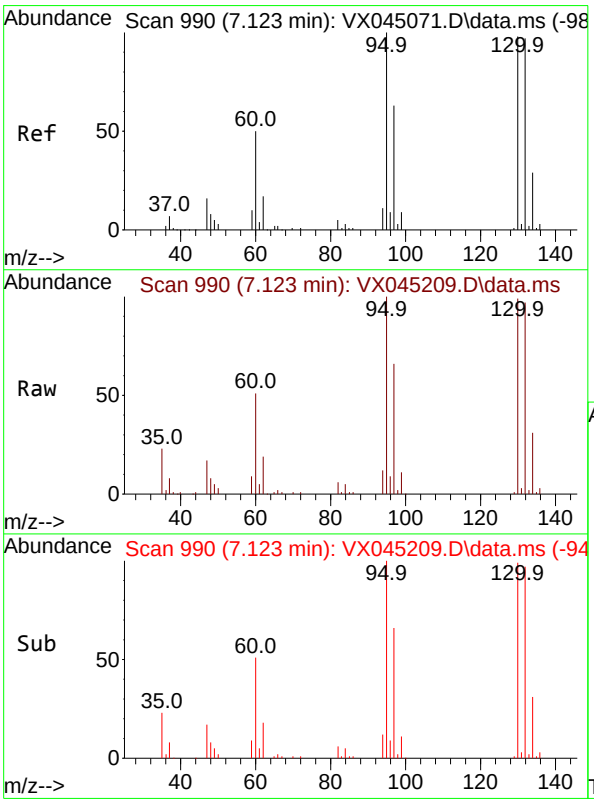
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.9	22.3
87	11.9	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

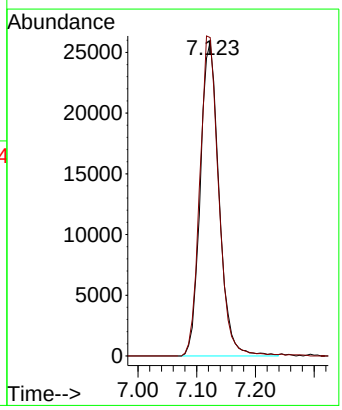
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

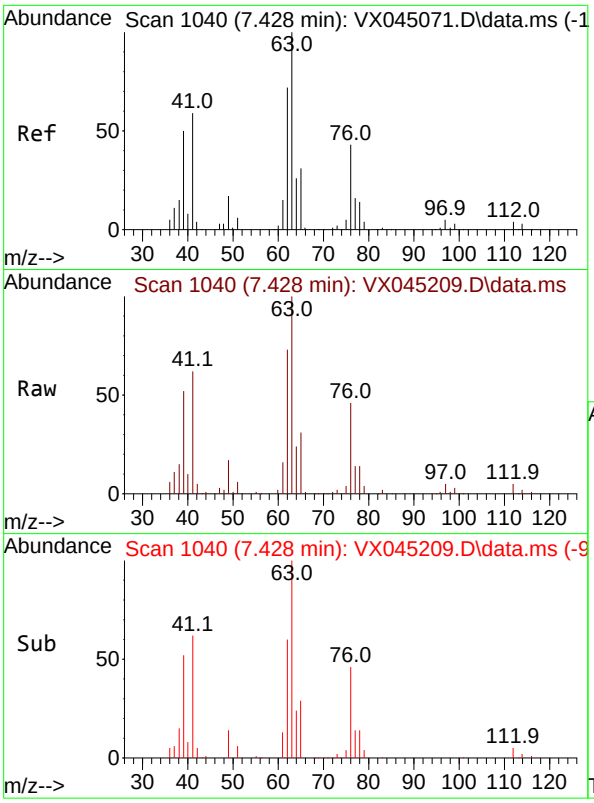


#44
Trichloroethene
Concen: 52.232 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:130 Resp: 57349

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	205.0

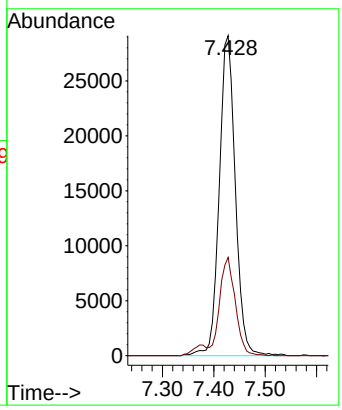




#45
1,2-Dichloropropane
Concen: 52.648 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 63 Resp: 6329

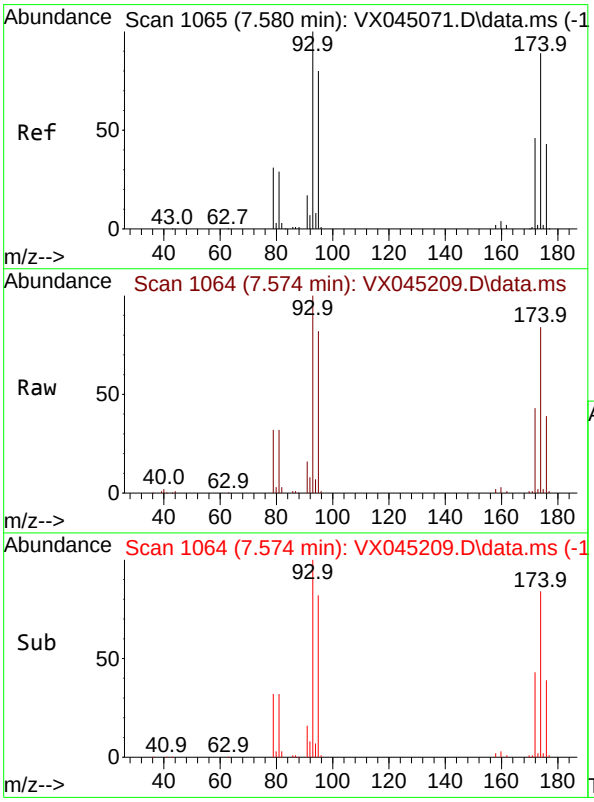
Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

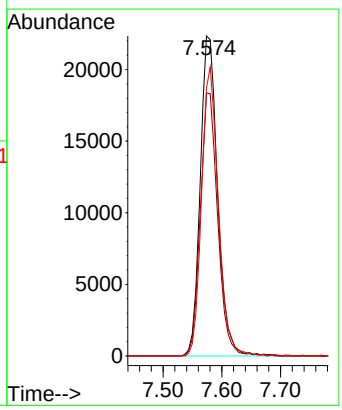
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

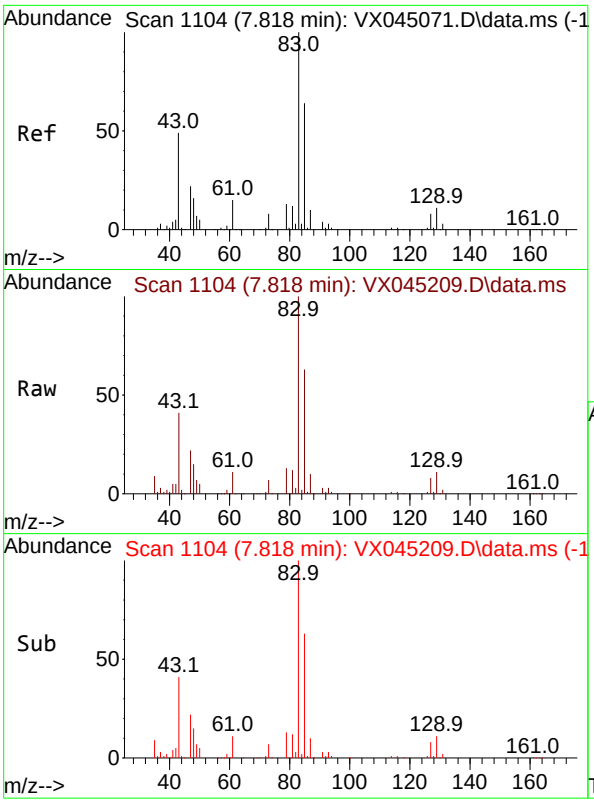


#46
Dibromomethane
Concen: 53.887 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 93 Resp: 45791

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.8	98.8
174	87.4	72.2	108.2

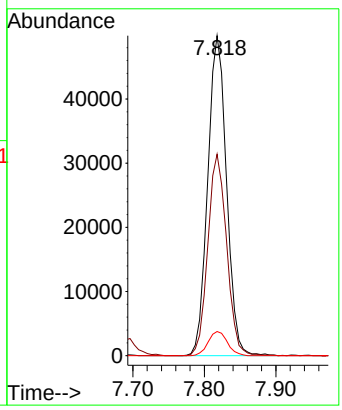




#47
Bromodichloromethane
Concen: 54.648 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 83 Resp: 9108

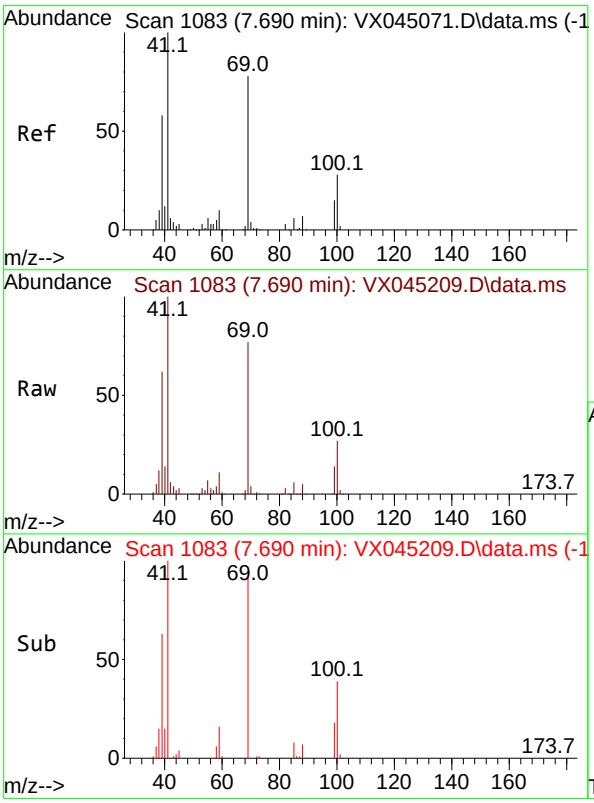
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	7.5	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

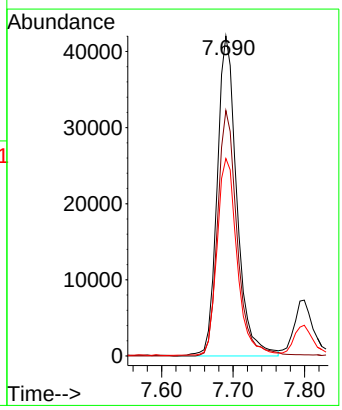
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

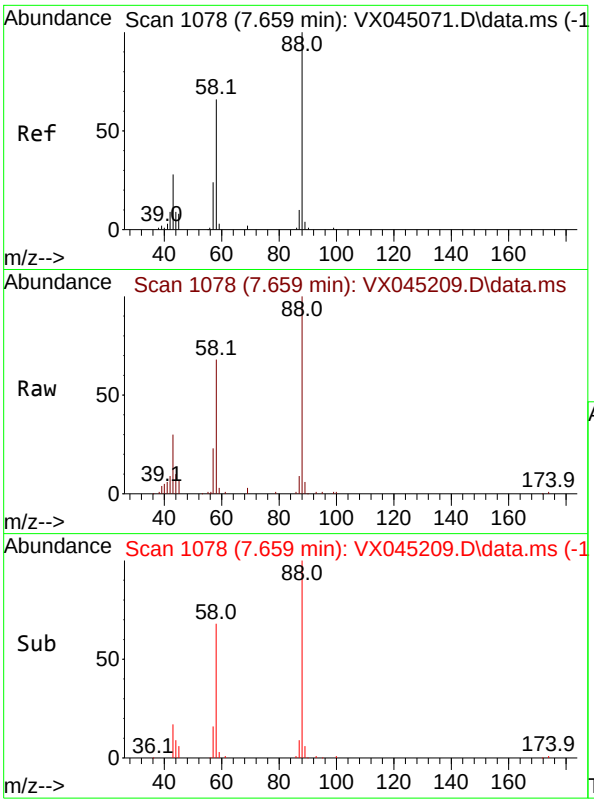


#48
Methyl methacrylate
Concen: 56.723 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 41 Resp: 80293

Ion	Ratio	Lower	Upper
41	100		
69	76.4	63.0	94.6
39	63.0	47.5	71.3

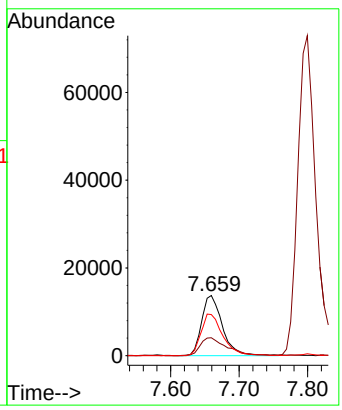




#49
1,4-Dioxane
Concen: 961.250 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 88 Resp: 2870

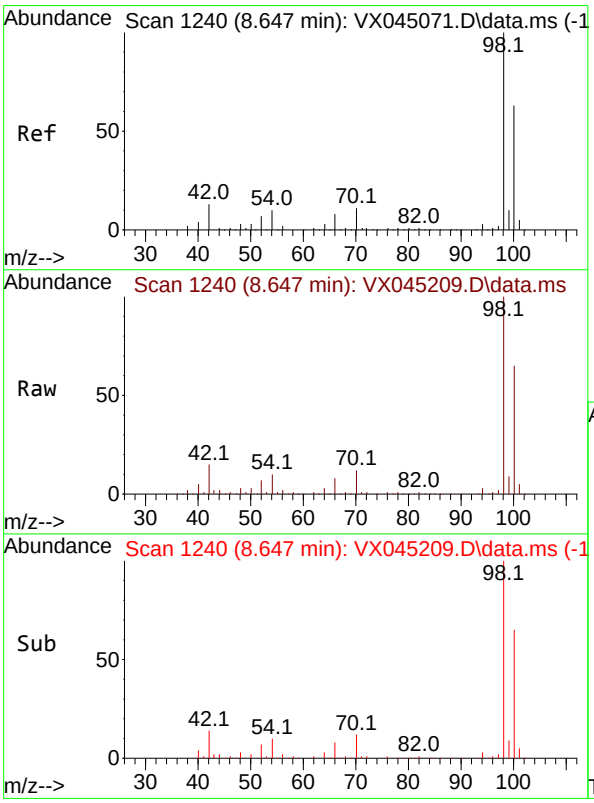
Ion	Ratio	Lower	Upper
88	100		
43	38.8	28.7	43.1
58	73.2	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

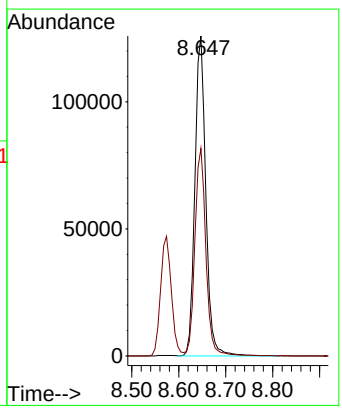
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

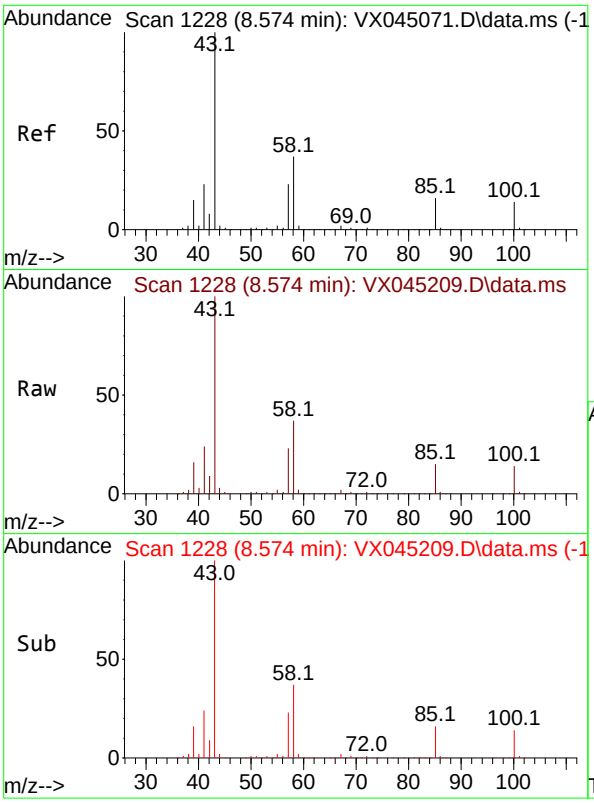


#50
Toluene-d8
Concen: 52.198 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 98 Resp: 204329

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0

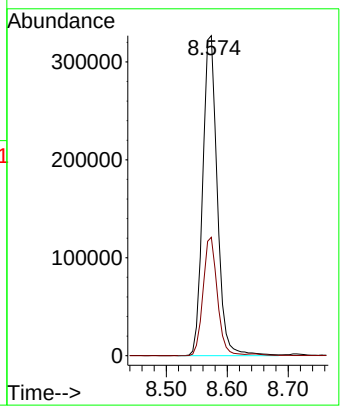




#51
4-Methyl-2-Pentanone
Concen: 285.882 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 43 Resp: 54160

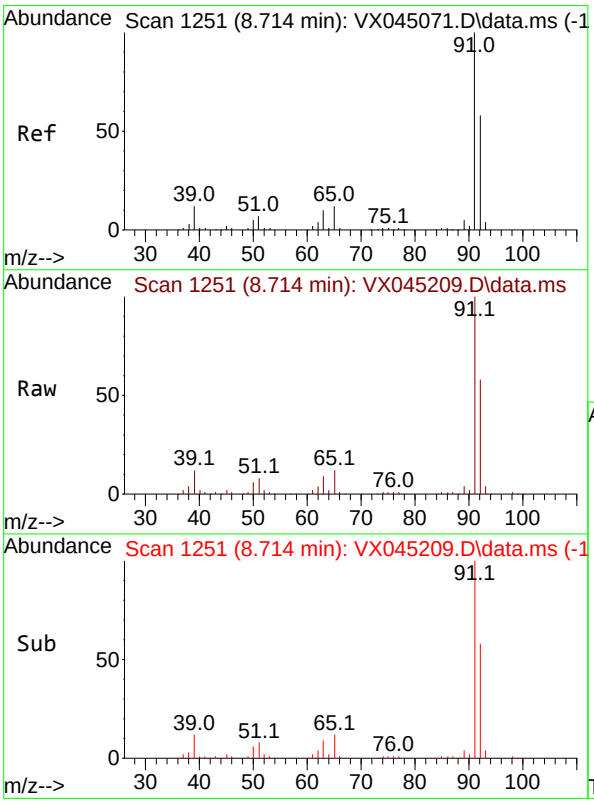
Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

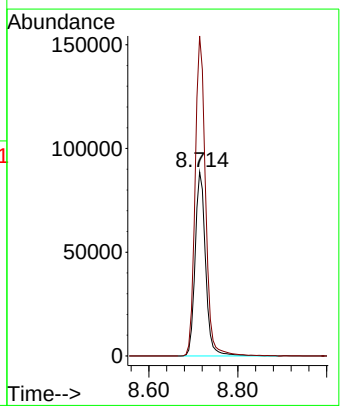
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

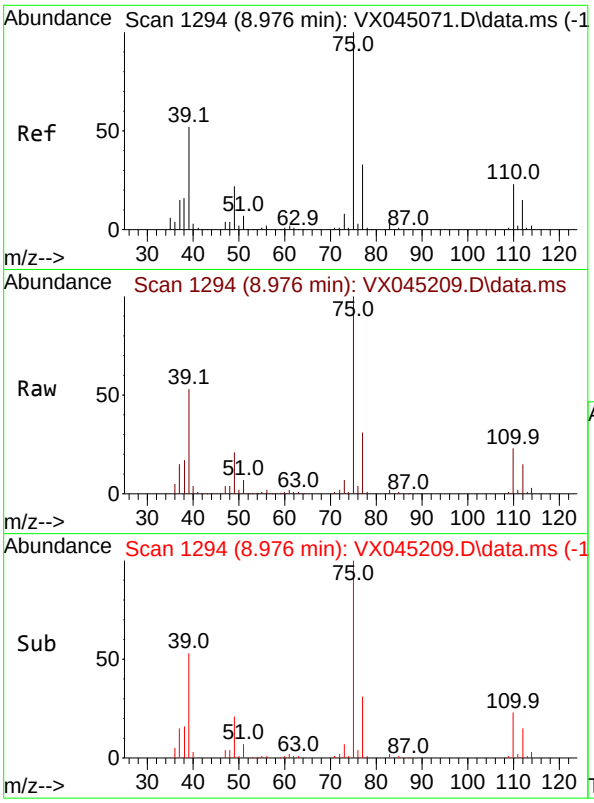


#52
Toluene
Concen: 52.695 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 92 Resp: 144568

Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.9	208.3

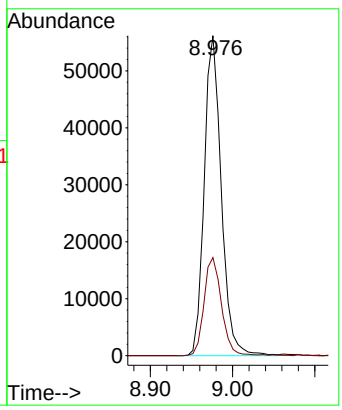




#53
t-1,3-Dichloropropene
Concen: 58.132 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 75 Resp: 8100

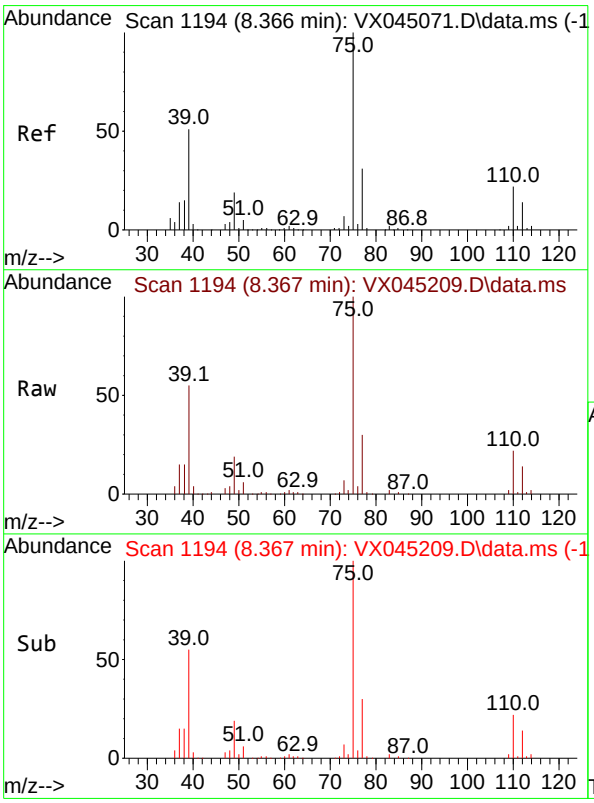
Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

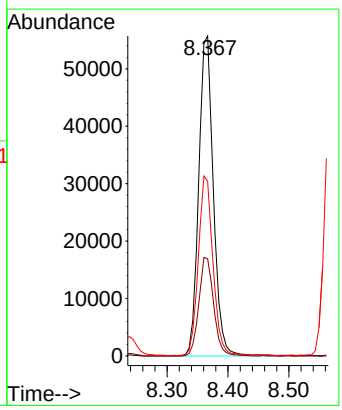
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

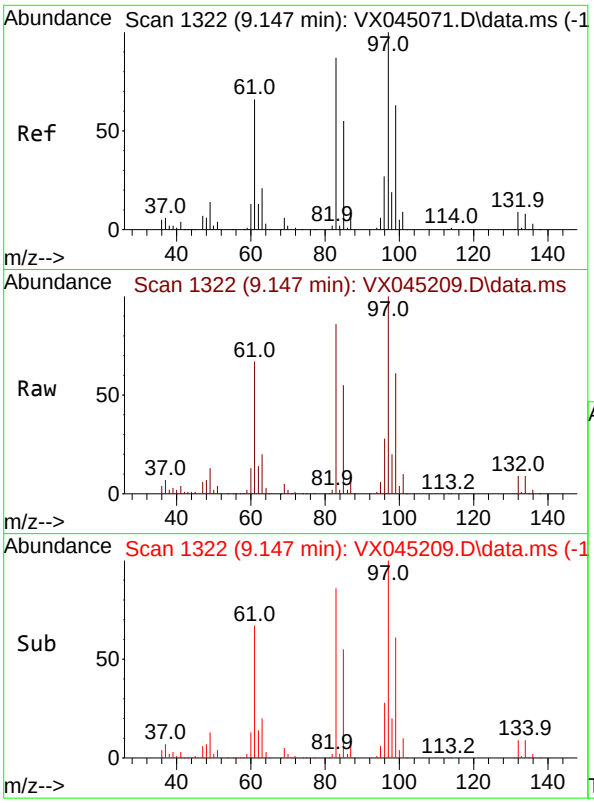


#54
cis-1,3-Dichloropropene
Concen: 57.309 ug/l
RT: 8.367 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 75 Resp: 93121

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.7	37.1
39	54.5	40.7	61.1

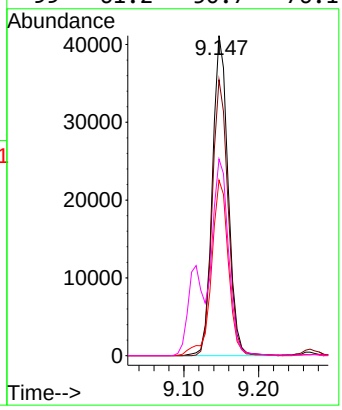




#55
1,1,2-Trichloroethane
Concen: 53.219 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 97 Resp: 6010

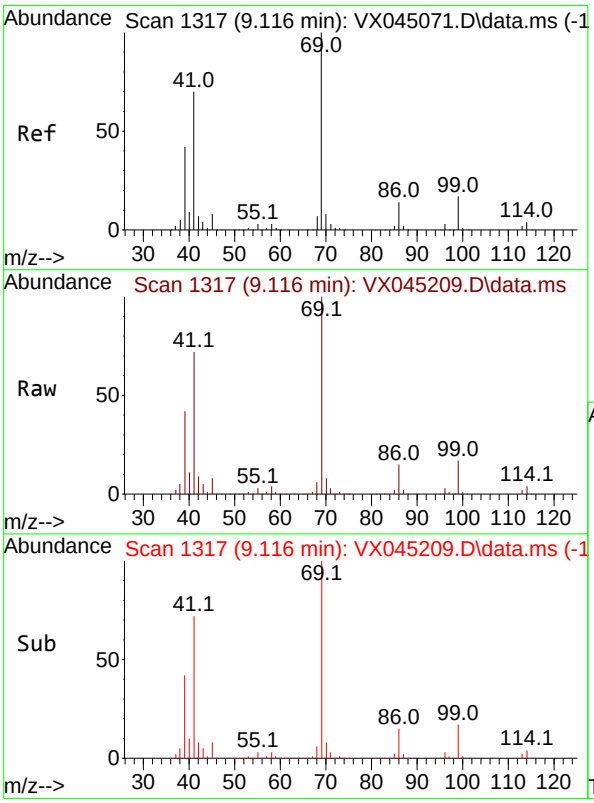
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.4	104.2
85	54.9	44.1	66.1
99	61.2	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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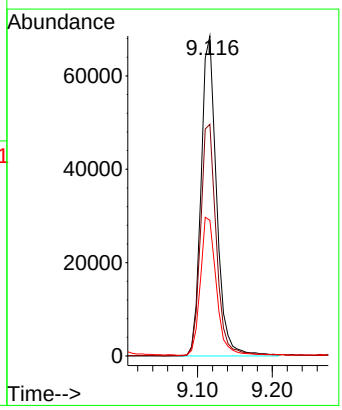
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

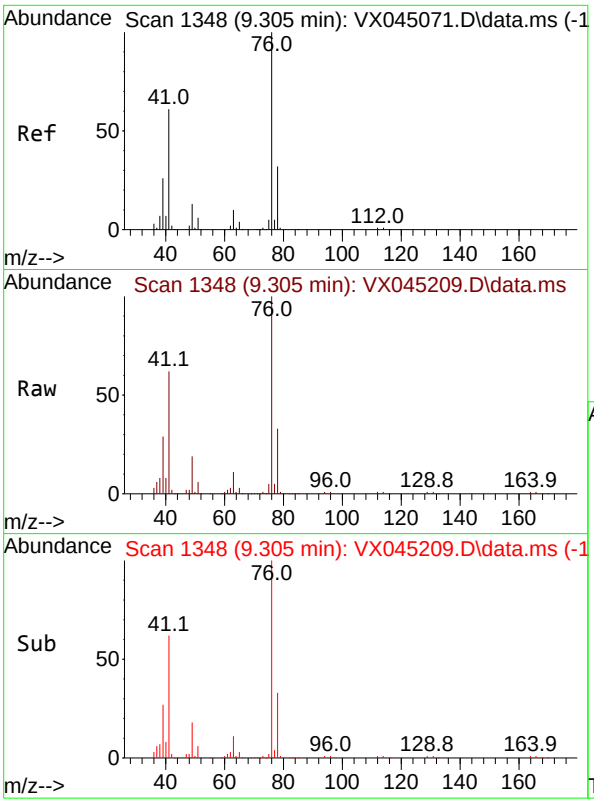


#56
Ethyl methacrylate
Concen: 57.768 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 69 Resp: 99177

Ion	Ratio	Lower	Upper
69	100		
41	74.2	57.0	85.4
39	44.3	34.2	51.4

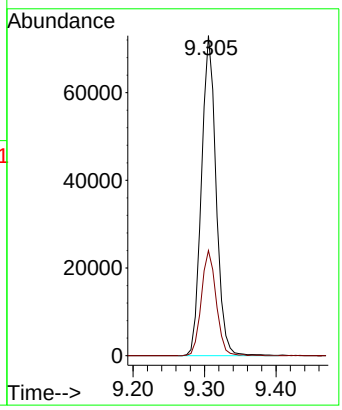




#57
1,3-Dichloropropane
Concen: 53.072 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 76 Resp: 10373

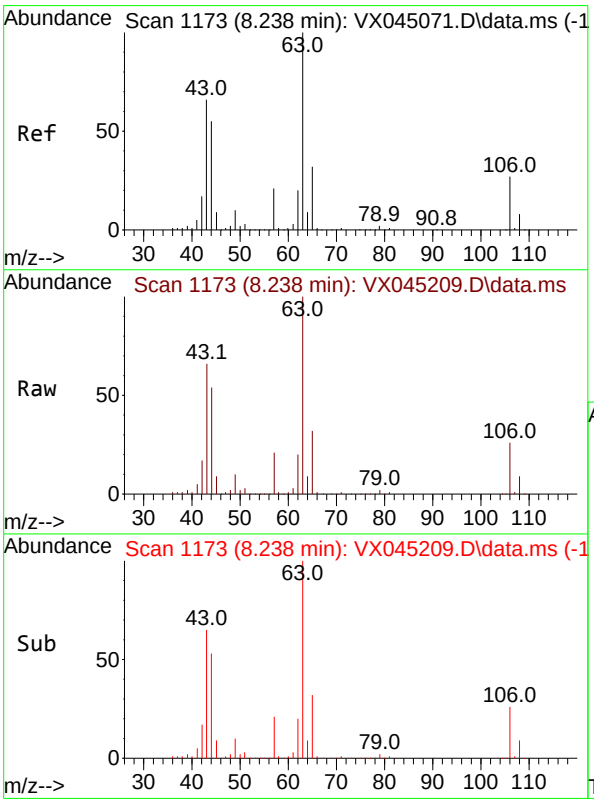
Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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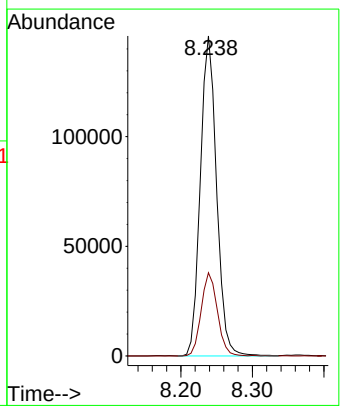
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

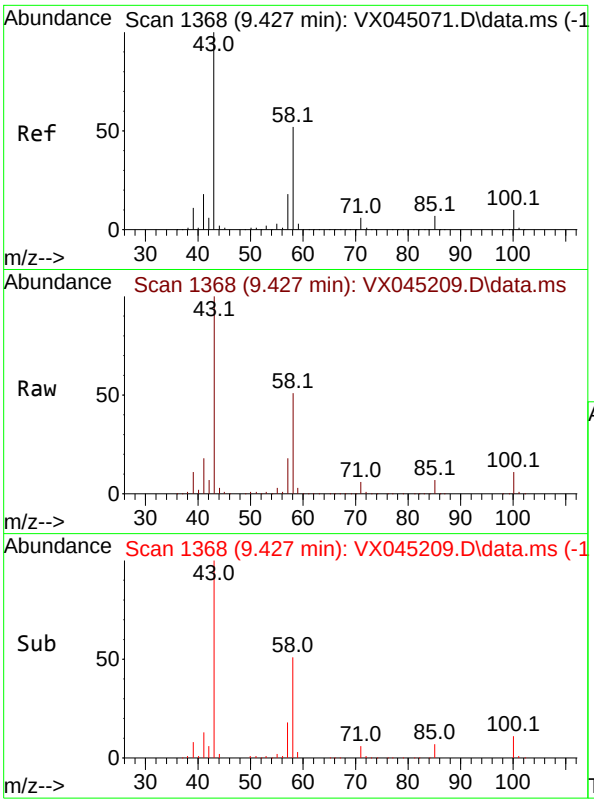


#58
2-Chloroethyl Vinyl ether
Concen: 275.041 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 63 Resp: 230339

Ion	Ratio	Lower	Upper
63	100		
106	25.9	21.5	32.3





#59
2-Hexanone
Concen: 288.929 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

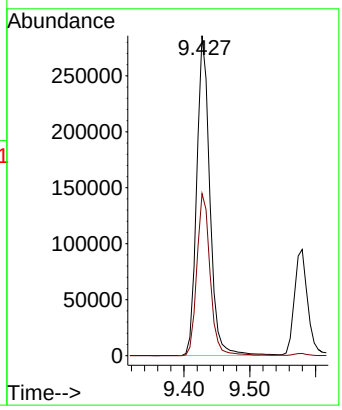
Tgt Ion: 43 Resp: 39659

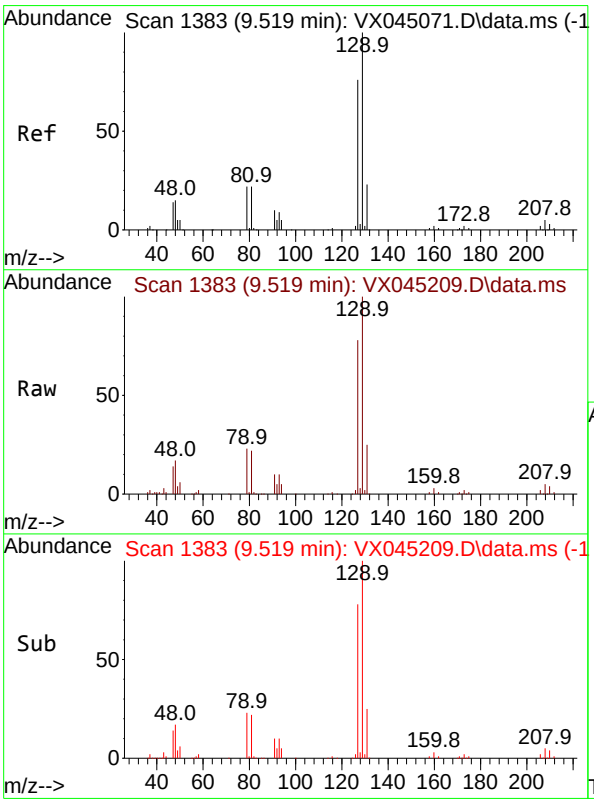
Ion	Ratio	Lower	Upper
43	100		
58	51.4	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

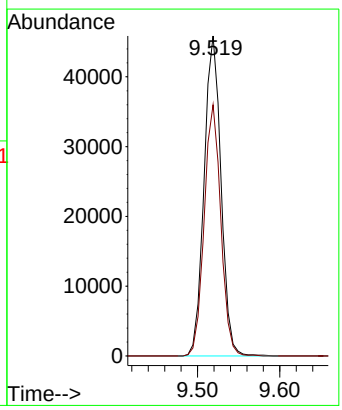


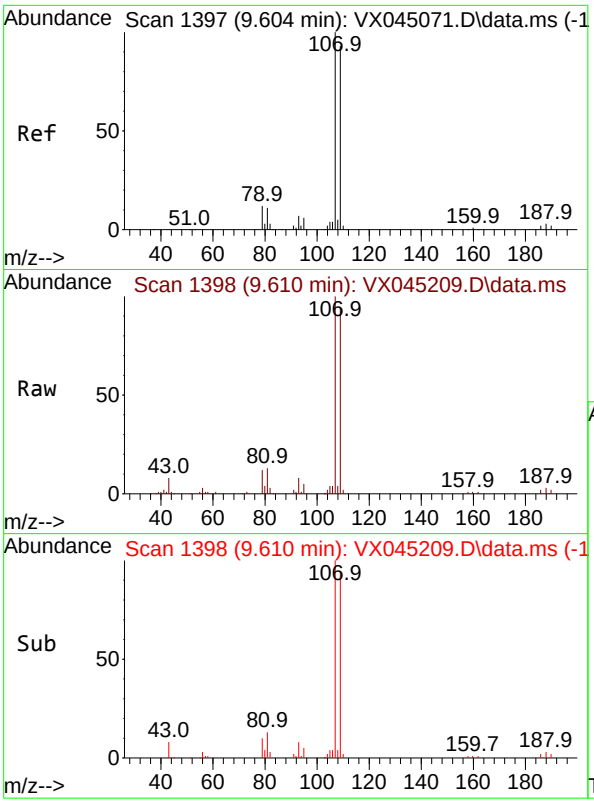


#60
Dibromochloromethane
Concen: 55.525 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:129 Resp: 65571

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5

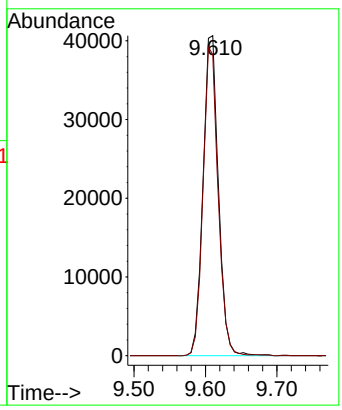




#61
1,2-Dibromoethane
Concen: 53.901 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:107 Resp: 6077

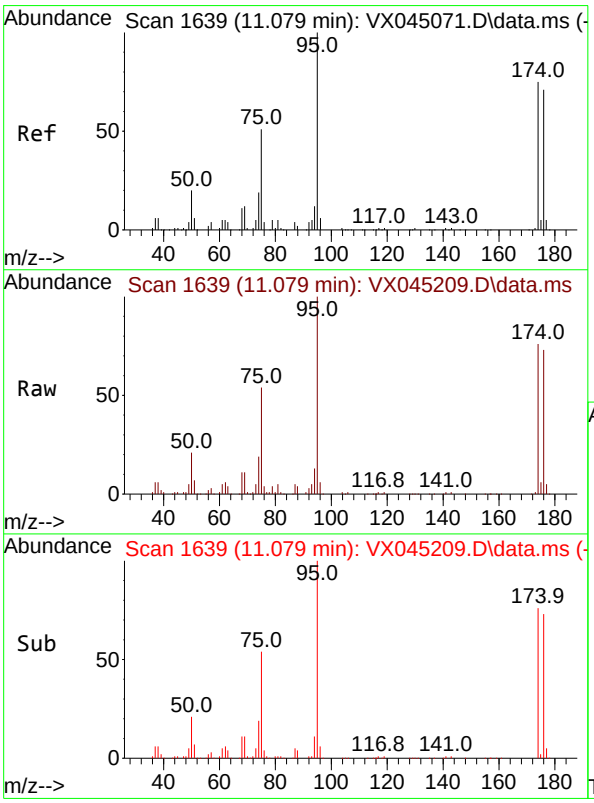
Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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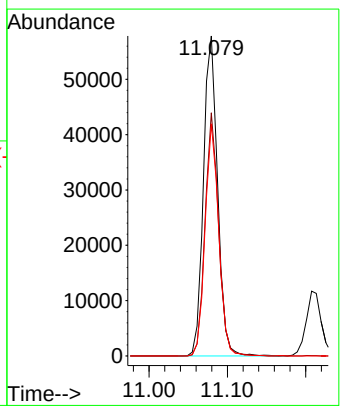
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

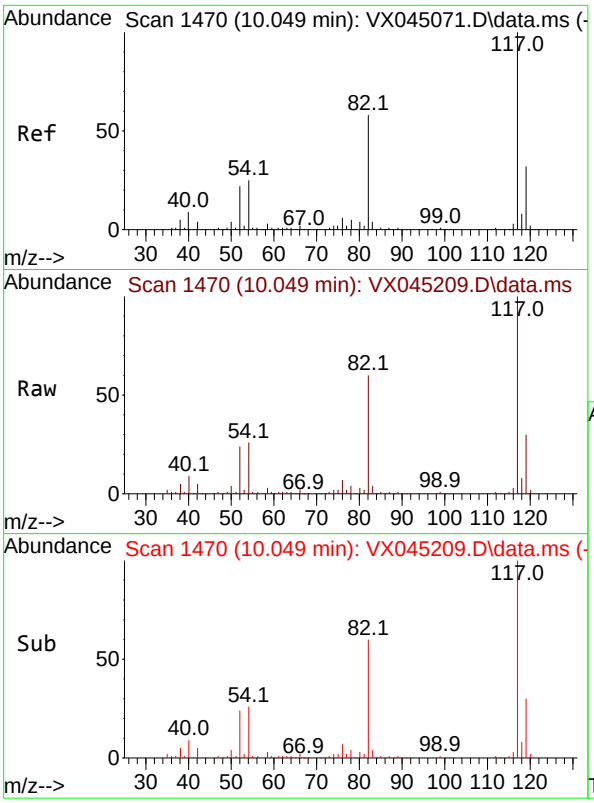


#62
4-Bromofluorobenzene
Concen: 55.762 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 95 Resp: 72332

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	148.2
176	69.9	0.0	141.4

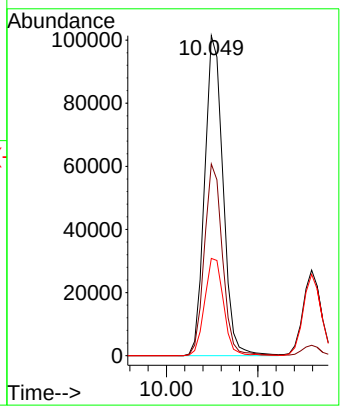




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:117 Resp: 14131

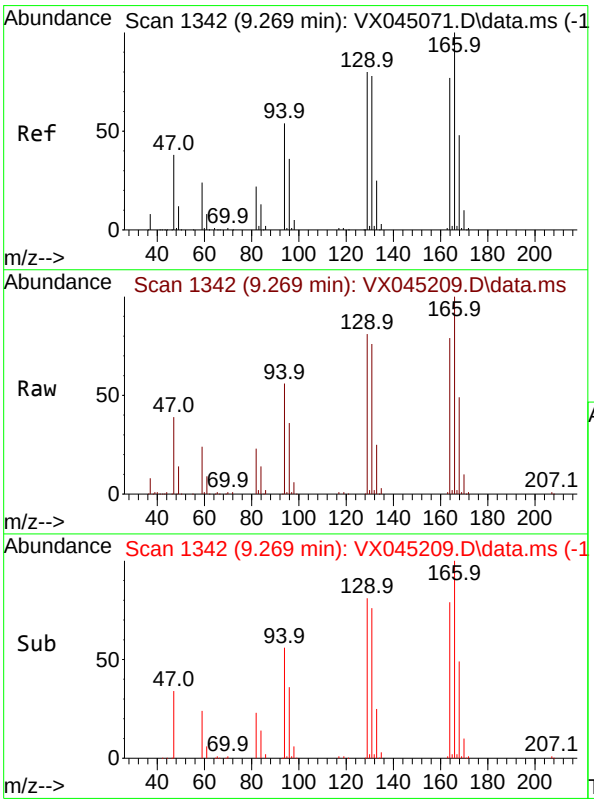
Ion	Ratio	Lower	Upper
117	100		
82	59.9	46.3	69.5
119	30.4	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

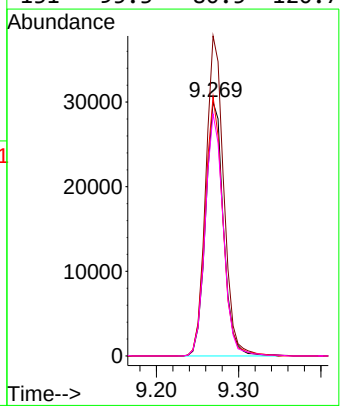
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

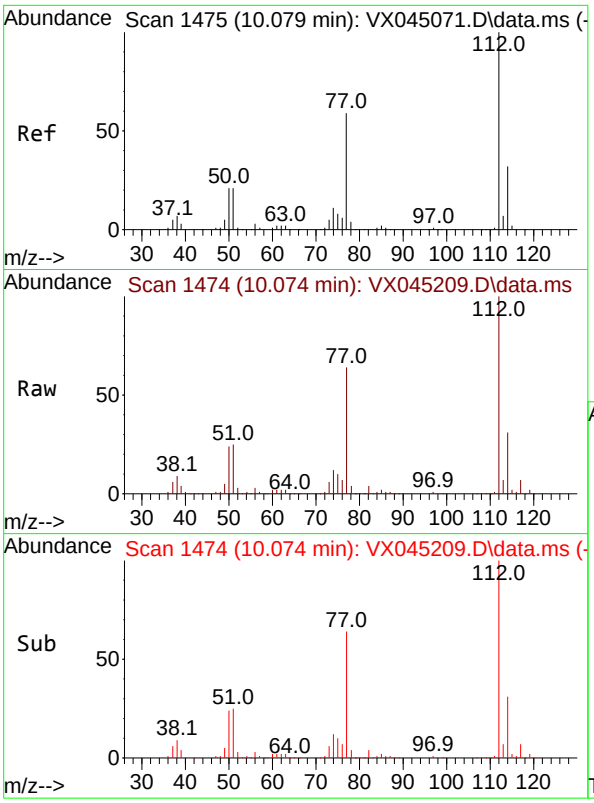


#64
Tetrachloroethene
Concen: 49.798 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:164 Resp: 45070

Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.6	155.4
129	102.1	82.7	124.1
131	95.3	80.5	120.7





#65
Chlorobenzene
Concen: 51.723 ug/l
RT: 10.074 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

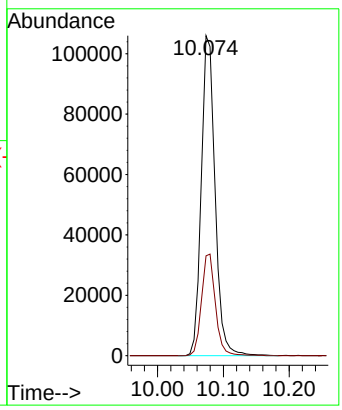
Tgt Ion:112 Resp: 15466

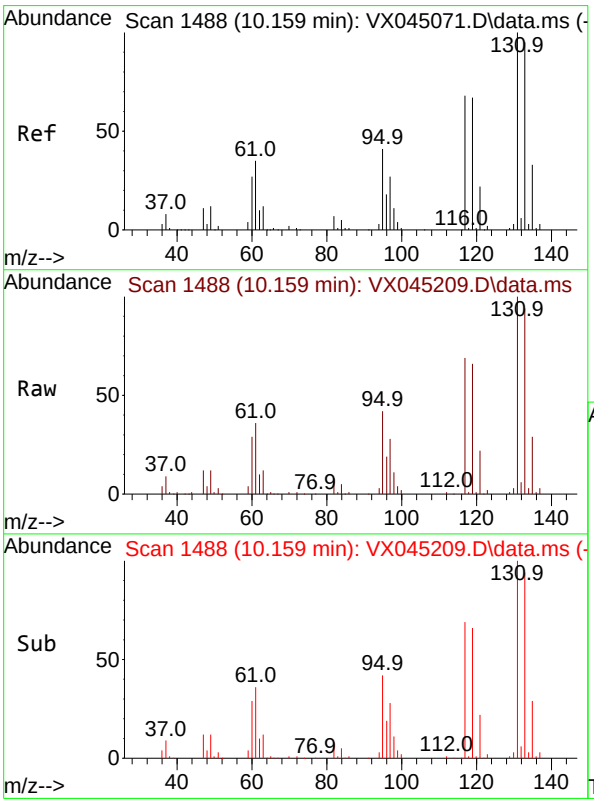
Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

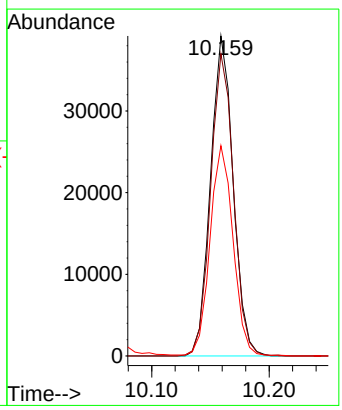


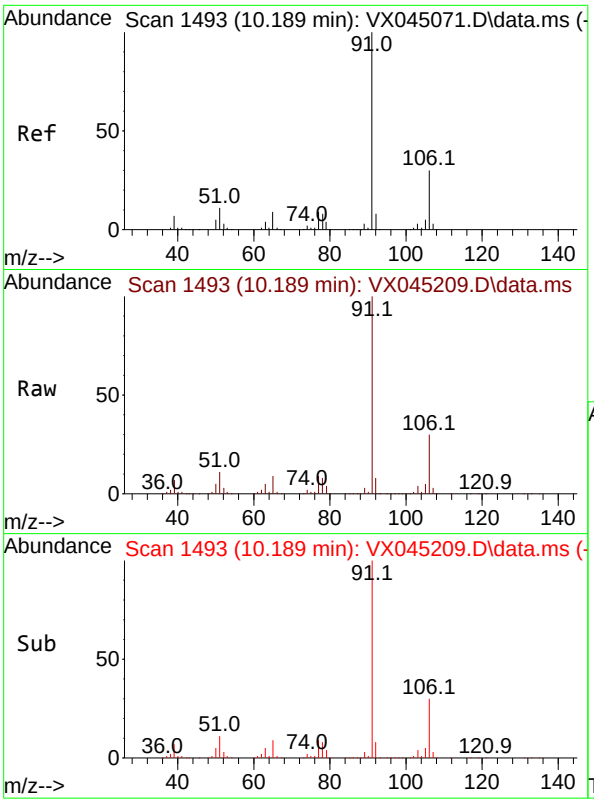


#66
1,1,1,2-Tetrachloroethane
Concen: 52.665 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:131 Resp: 52444

Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.6	145.9
119	67.1	33.9	101.7





#67
Ethyl Benzene
Concen: 52.841 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

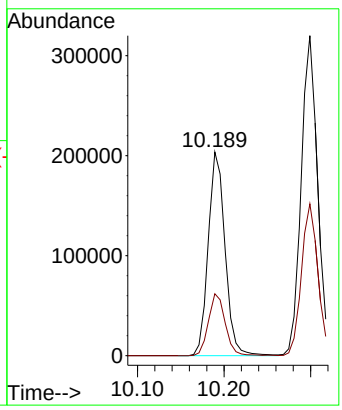
Tgt Ion: 91 Resp: 27531

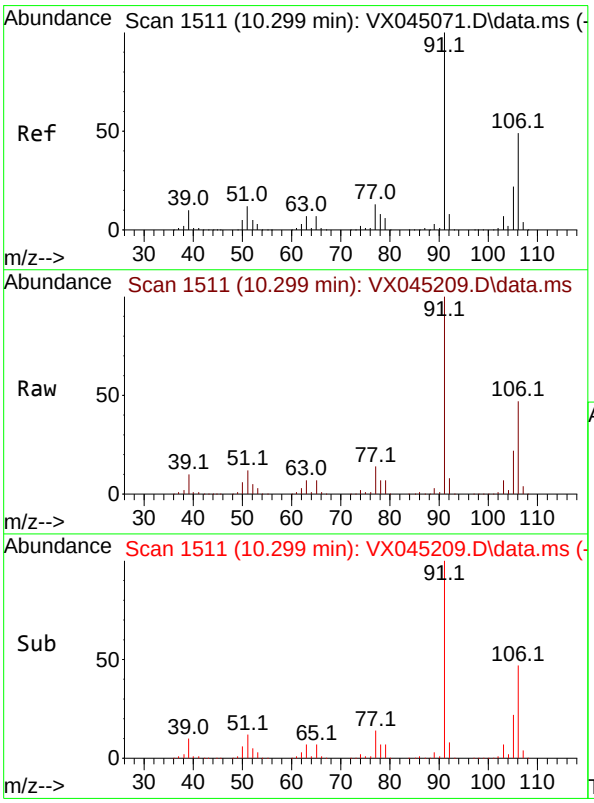
Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

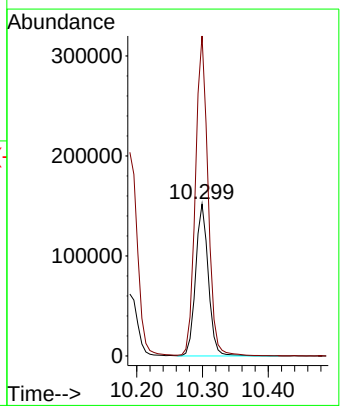


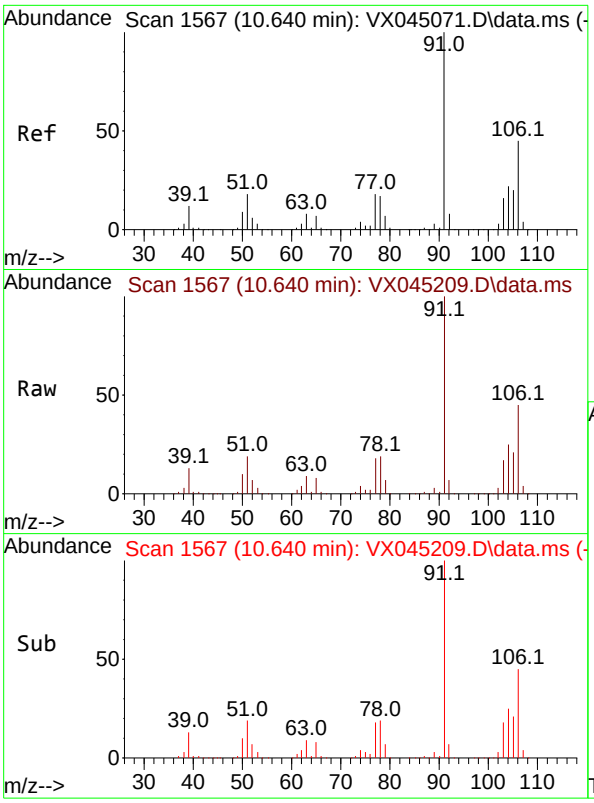


#68
m/p-Xylenes
Concen: 106.750 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:106 Resp: 203608

Ion	Ratio	Lower	Upper
106	100		
91	209.3	165.4	248.0

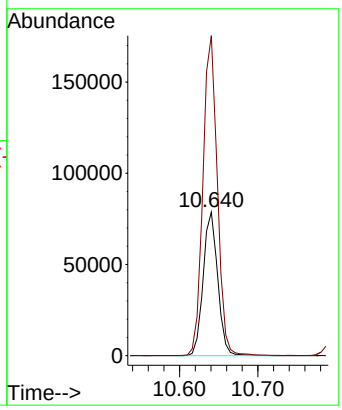




#69
o-Xylene
Concen: 52.621 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:106 Resp: 10122

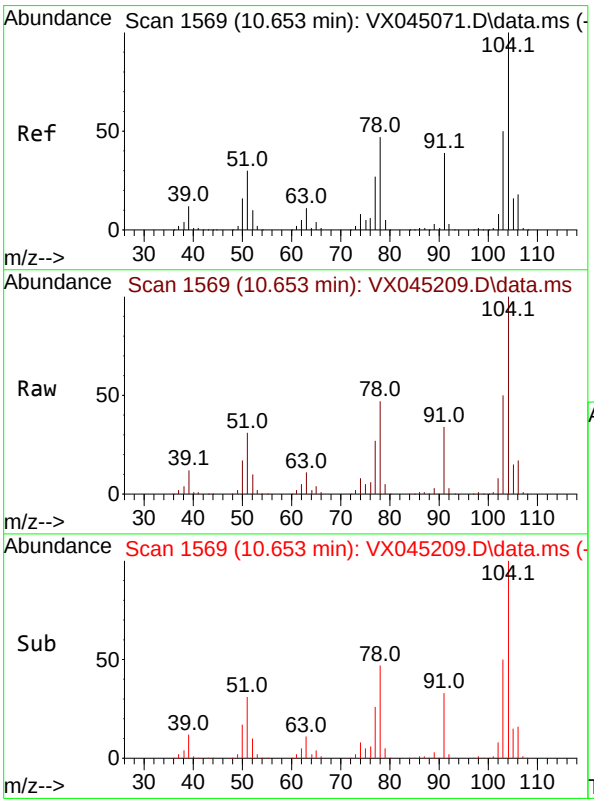
Ion	Ratio	Lower	Upper
106	100		
91	221.2	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

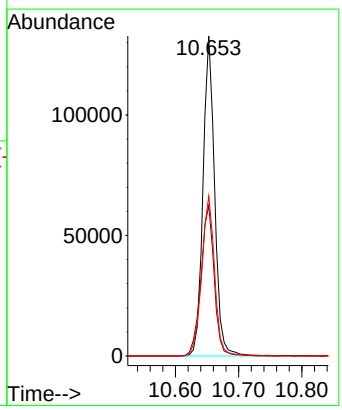
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

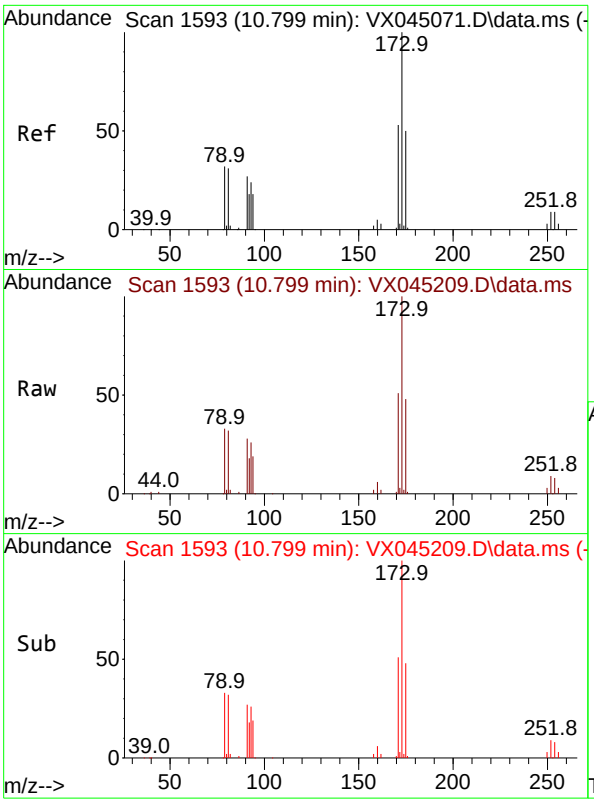


#70
Styrene
Concen: 54.651 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:104 Resp: 170107

Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.2	63.4
103	55.4	43.8	65.8

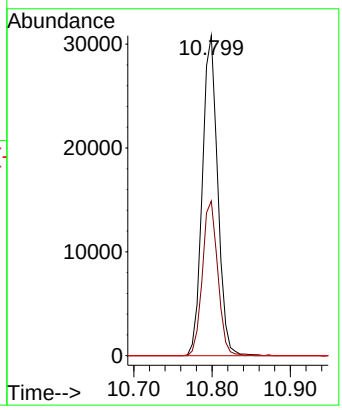




#71
Bromoform
Concen: 55.820 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:173 Resp: 4191

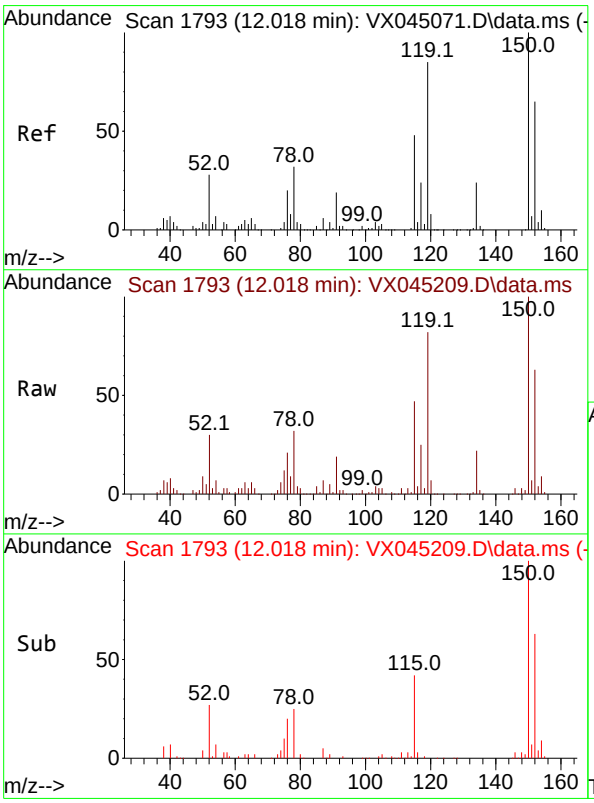
Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

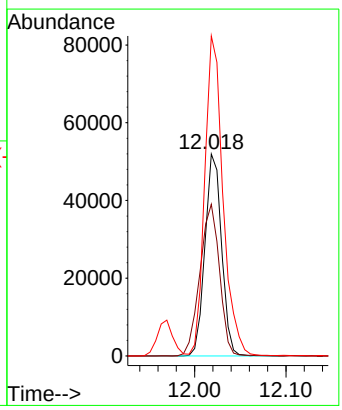
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

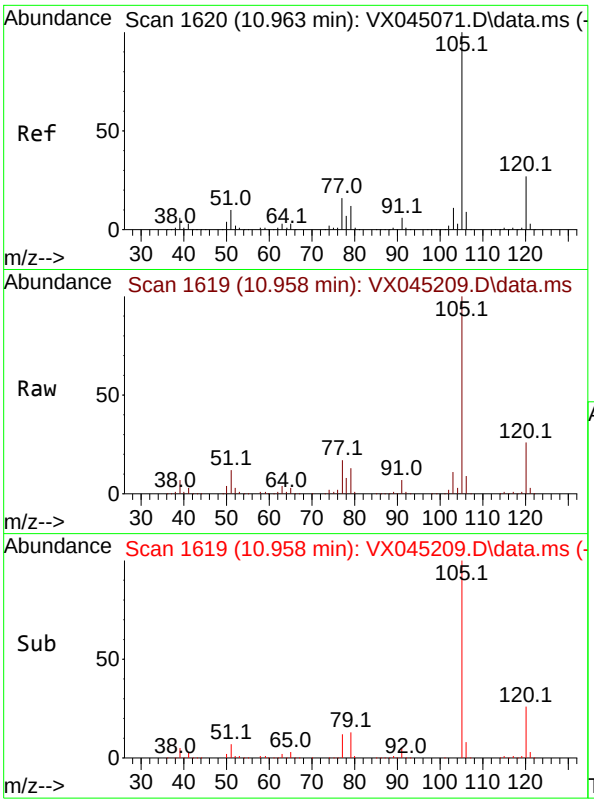


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:152 Resp: 65409

Ion	Ratio	Lower	Upper
152	100		
115	88.8	44.2	132.6
150	173.4	0.0	349.0





#73
Isopropylbenzene
Concen: 51.203 ug/l
RT: 10.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

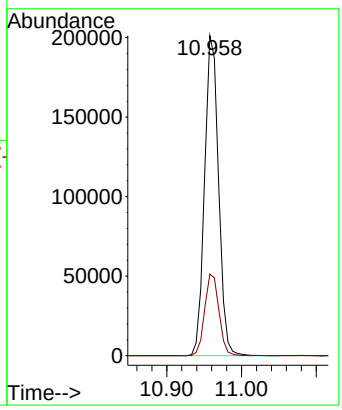
Tgt Ion:105 Resp: 26141

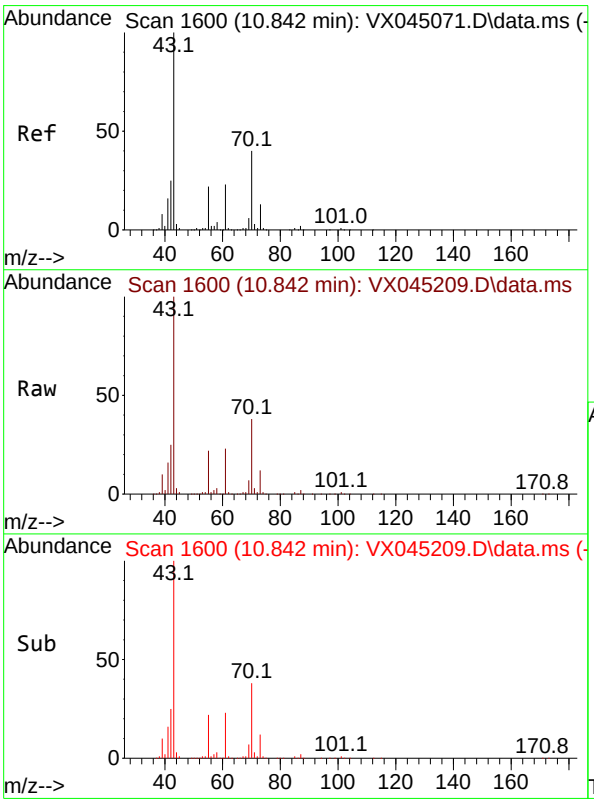
Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

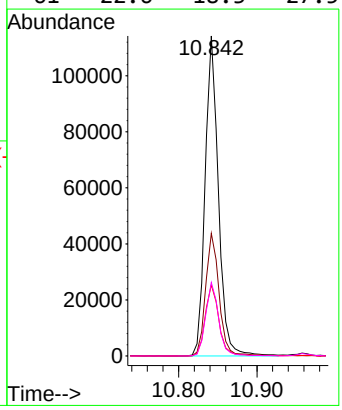


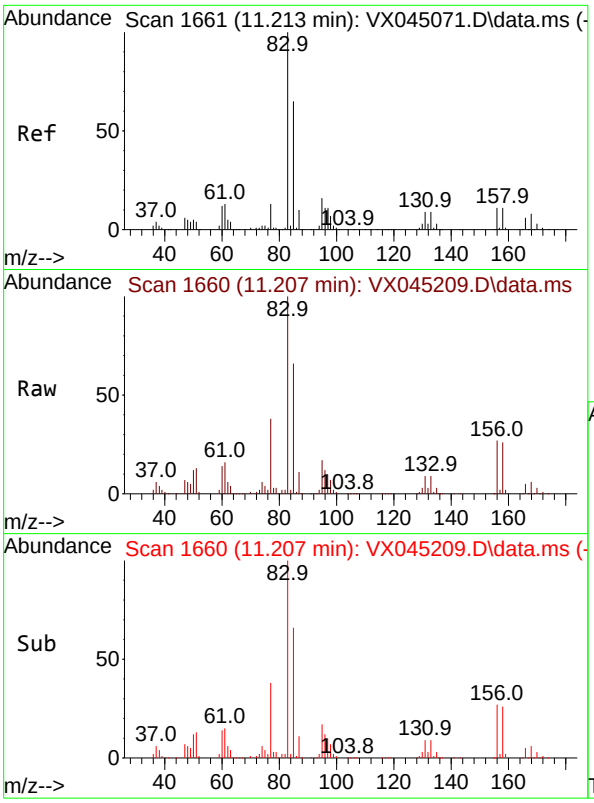


#74
N-amyl acetate
Concen: 55.914 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 43 Resp: 133947

Ion	Ratio	Lower	Upper
43	100		
70	39.3	31.8	47.6
55	23.2	18.3	27.5
61	22.6	18.3	27.5

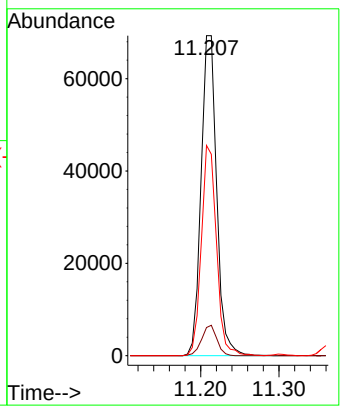




#75
1,1,2,2-Tetrachloroethane
Concen: 51.071 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 83 Resp: 9568

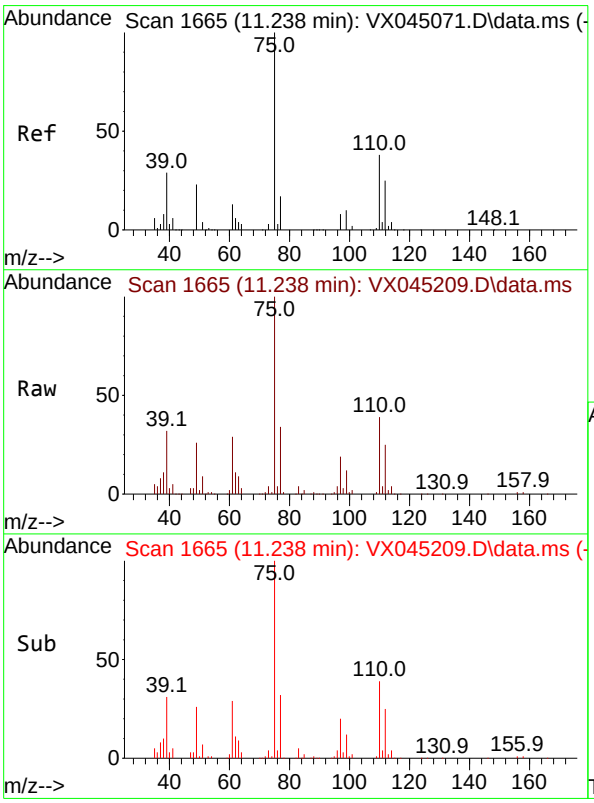
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	63.8	31.7	95.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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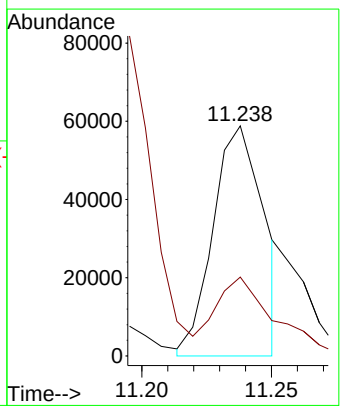
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

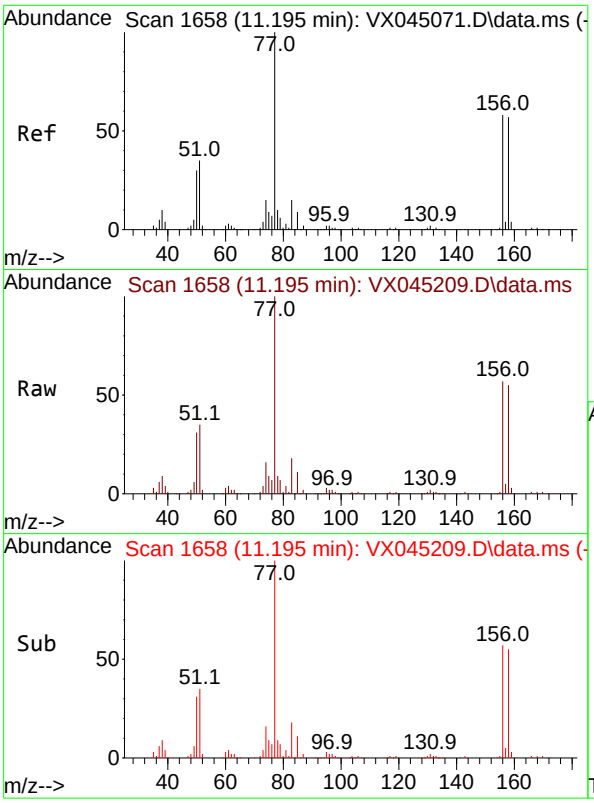


#76
1,2,3-Trichloropropane
Concen: 52.319 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 75 Resp: 79650

Ion	Ratio	Lower	Upper
75	100		
77	40.5	20.7	62.1





#77
Bromobenzene
Concen: 50.399 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

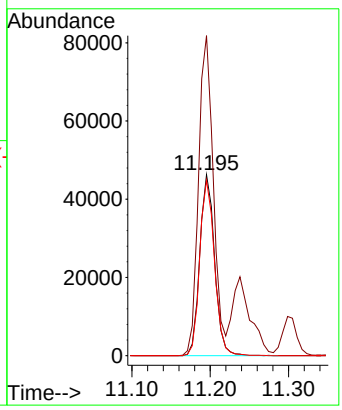
Tgt Ion:156 Resp: 6070

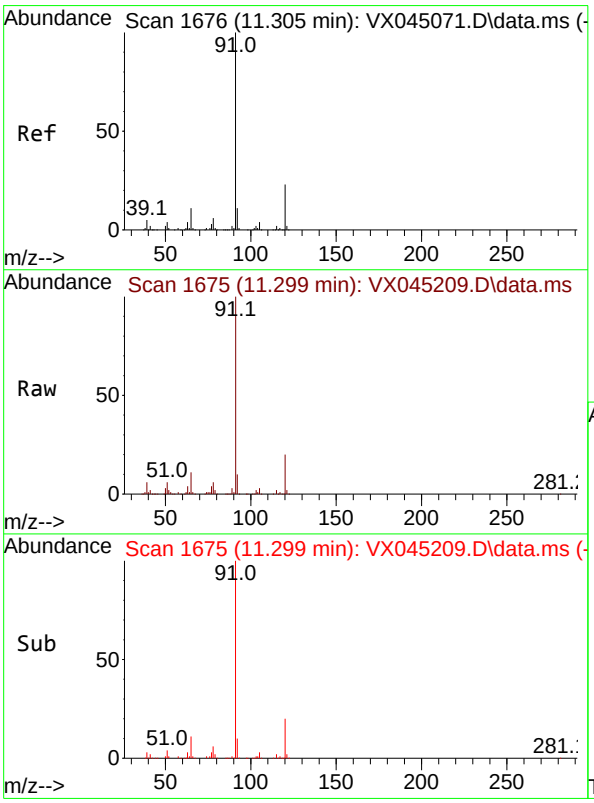
Ion	Ratio	Lower	Upper
156	100		
77	177.3	85.8	257.4
158	97.0	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

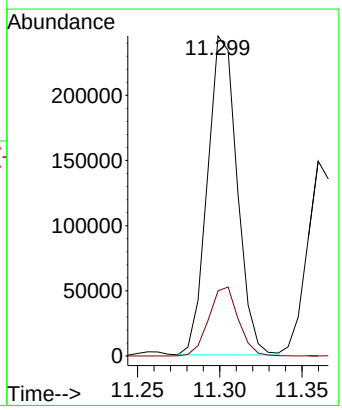


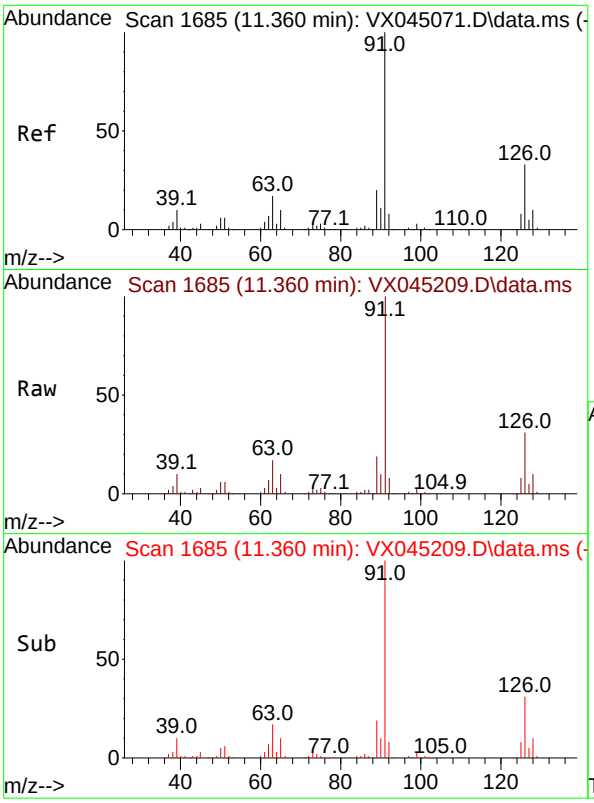


#78
n-propylbenzene
Concen: 53.359 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 91 Resp: 307731

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6





#79
2-Chlorotoluene
Concen: 50.254 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

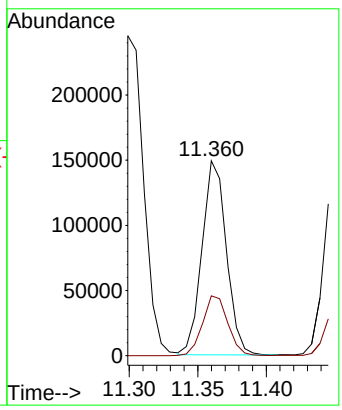
Tgt Ion: 91 Resp: 18457

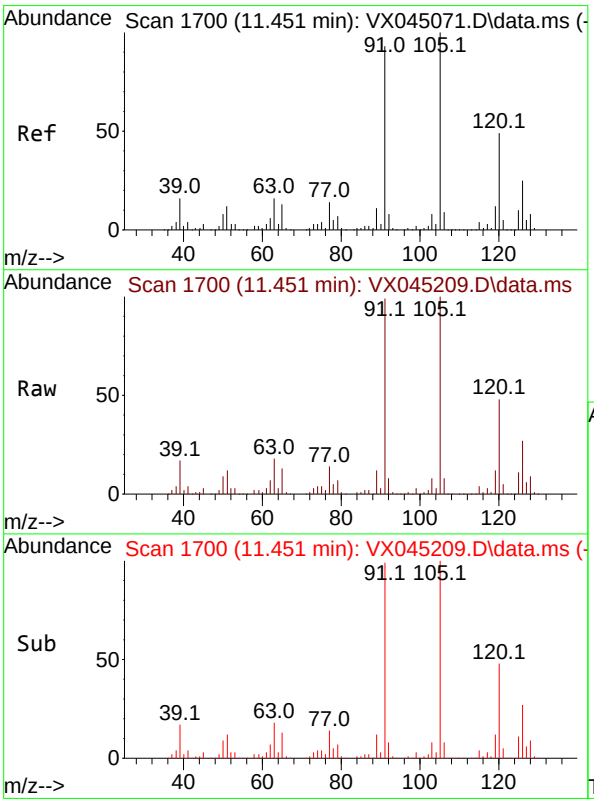
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

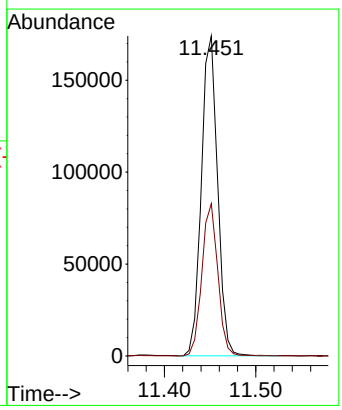


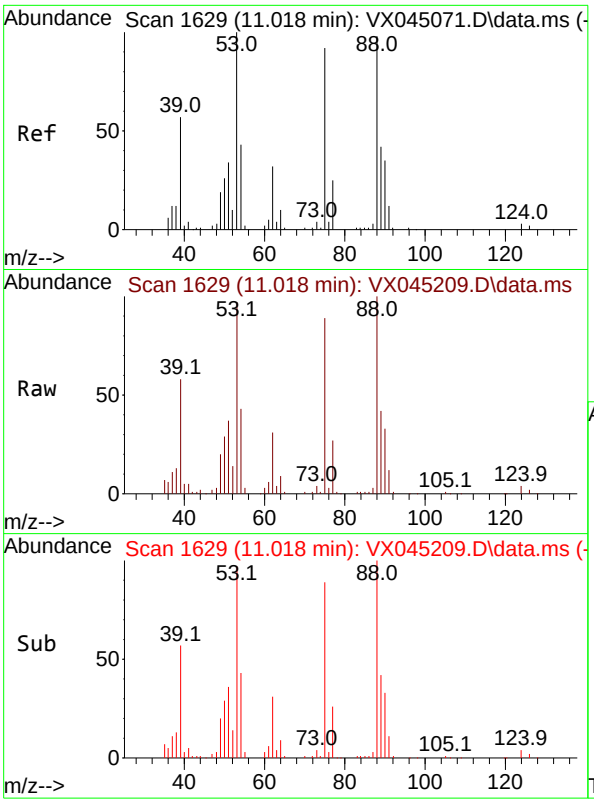


#80
1,3,5-Trimethylbenzene
Concen: 52.109 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:105 Resp: 215110

Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 54.392 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

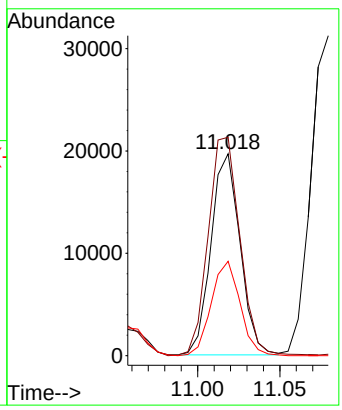
Tgt Ion: 75 Resp: 2419

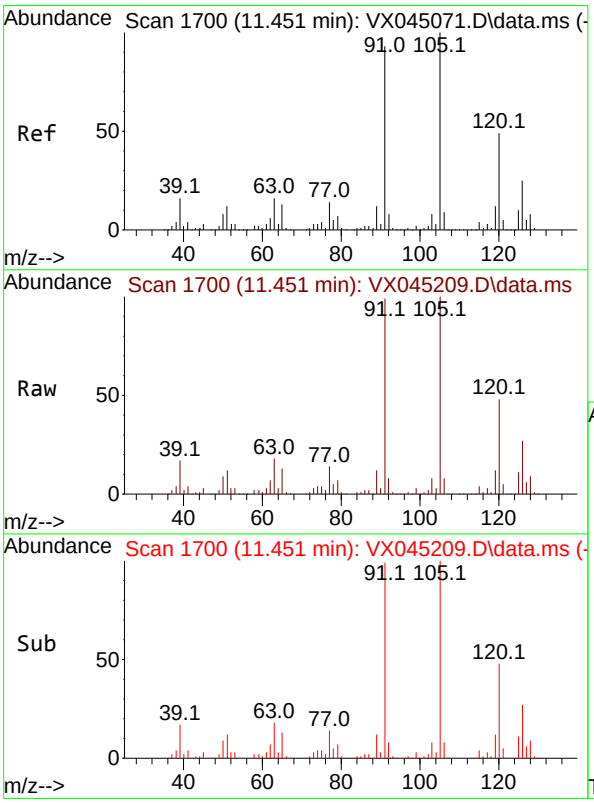
Ion	Ratio	Lower	Upper
75	100		
53	118.4	88.5	132.7
89	46.4	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

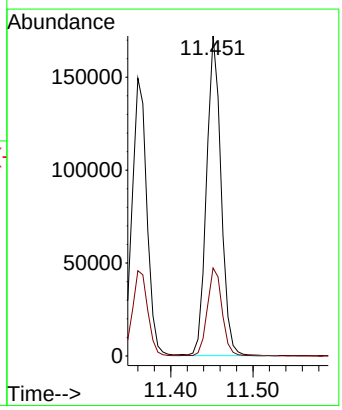


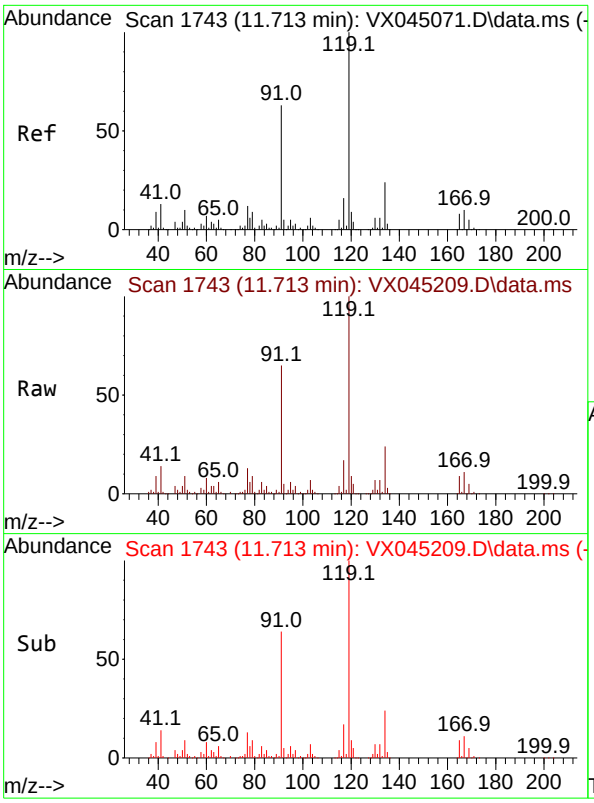


#82
4-Chlorotoluene
Concen: 52.803 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 91 Resp: 211368

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.1	42.4

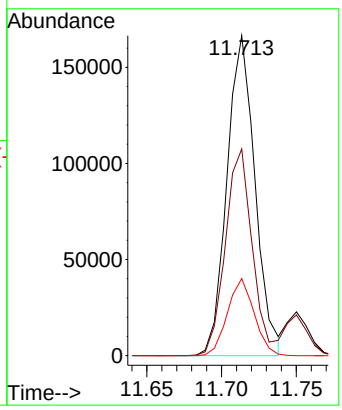




#83
tert-Butylbenzene
Concen: 51.306 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:119 Resp: 21761

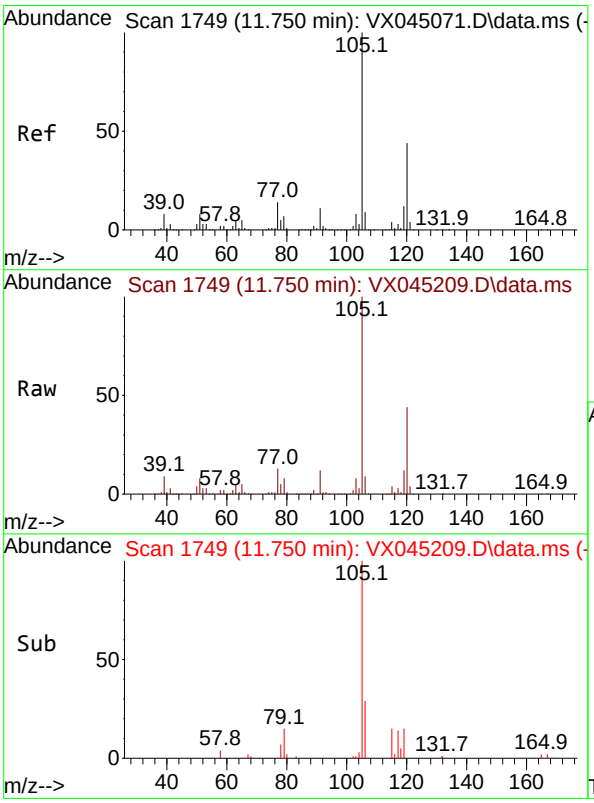
Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.7	92.1
134	22.9	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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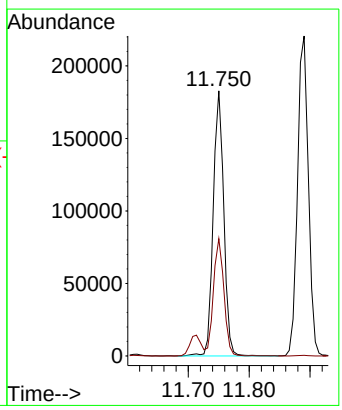
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

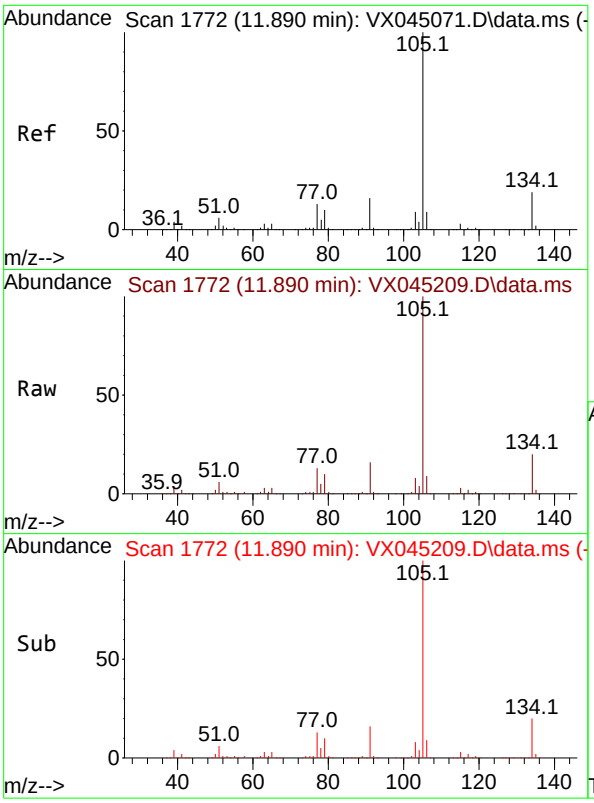


#84
1,2,4-Trimethylbenzene
Concen: 52.908 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:105 Resp: 219760

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1





#85
sec-Butylbenzene
Concen: 53.829 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

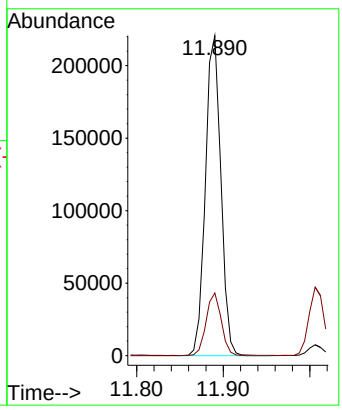
Tgt Ion:105 Resp: 27349

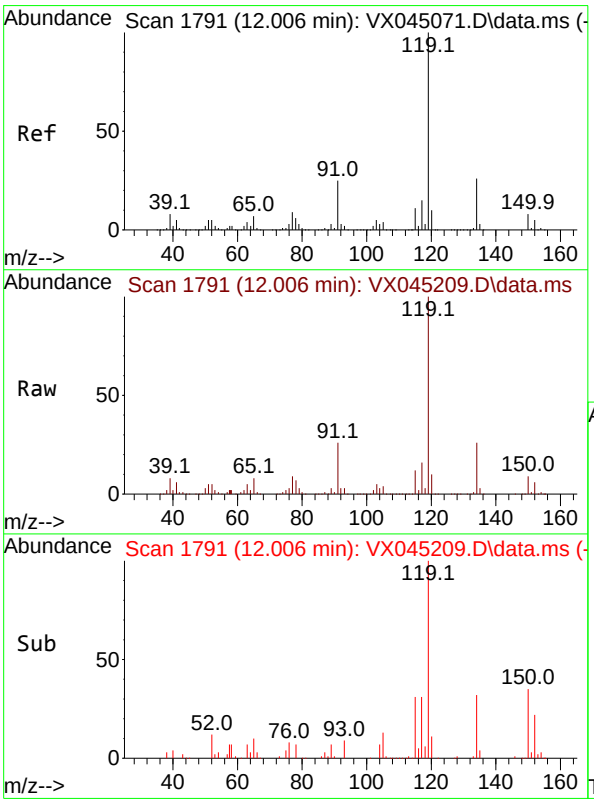
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

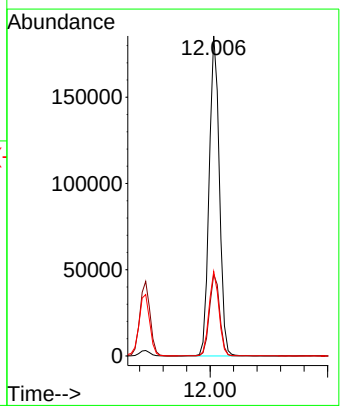


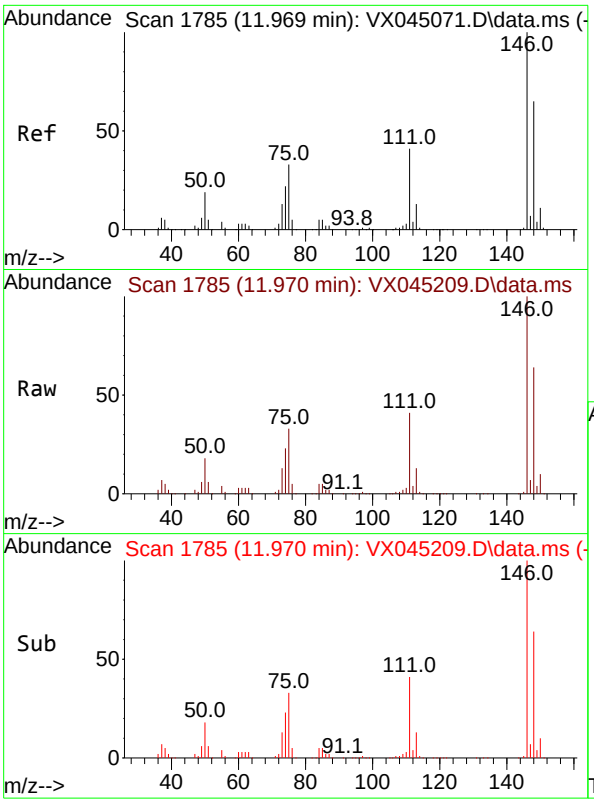


#86
p-Isopropyltoluene
Concen: 54.521 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:119 Resp: 223861

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.6	12.7	38.0

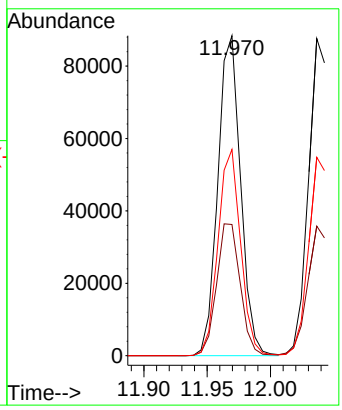




#87
1,3-Dichlorobenzene
Concen: 51.396 ug/l
RT: 11.970 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:146 Resp: 11044

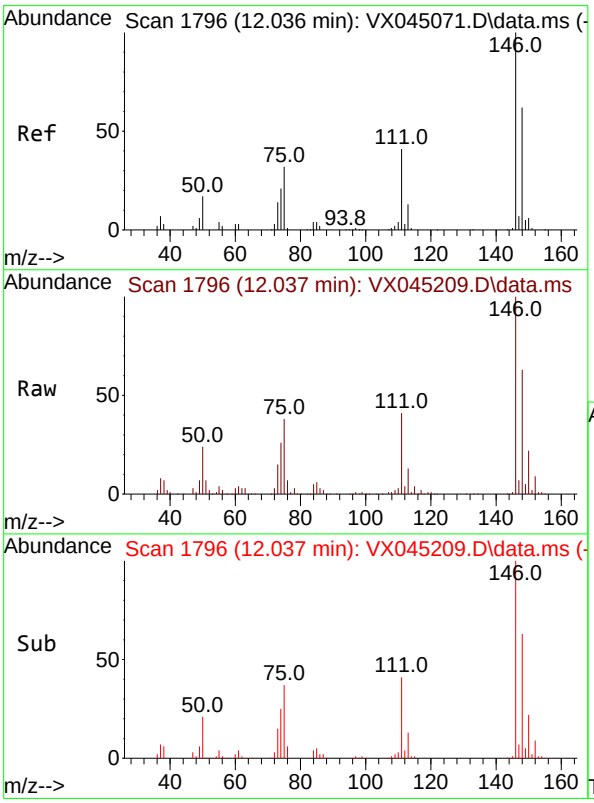
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.4
148	64.0	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

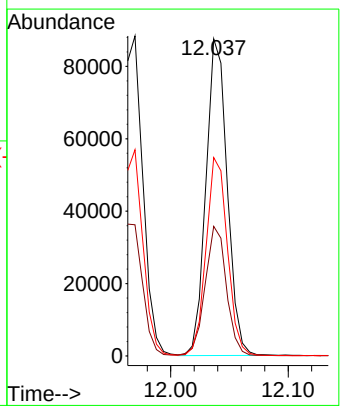
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

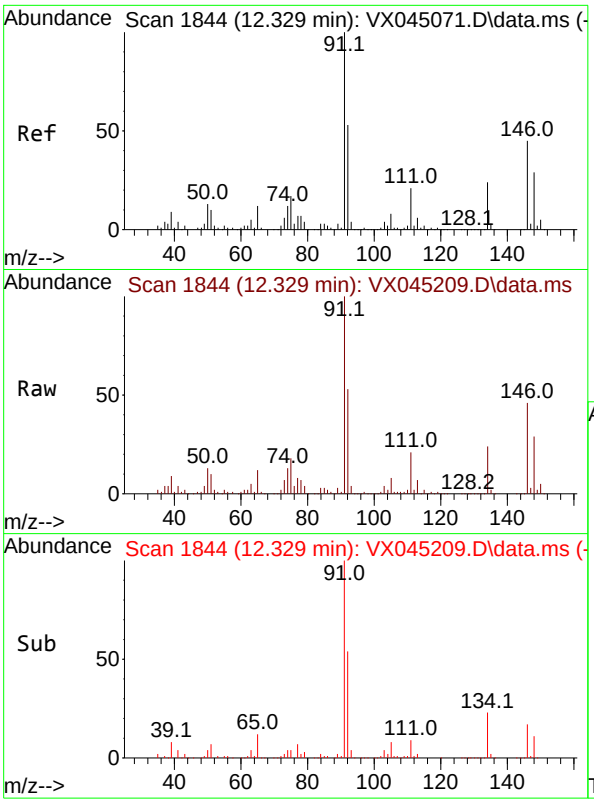


#88
1,4-Dichlorobenzene
Concen: 50.623 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:146 Resp: 110057

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.2	60.5
148	63.3	31.9	95.9

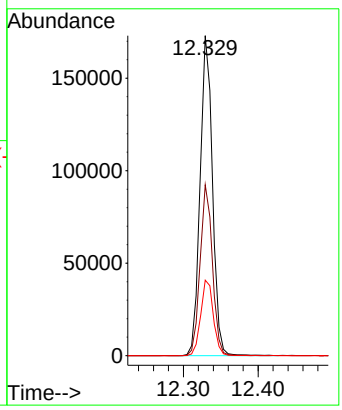




#89
n-Butylbenzene
Concen: 56.174 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 91 Resp: 19865

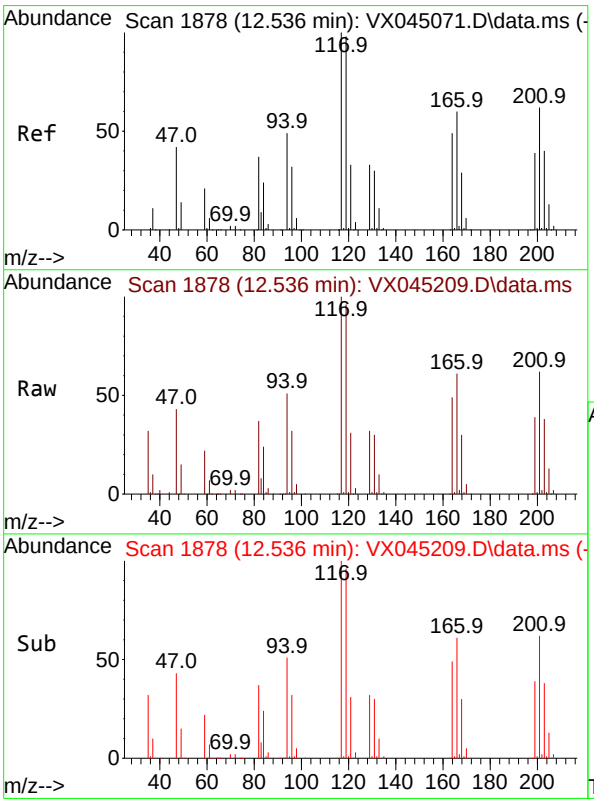
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.2	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

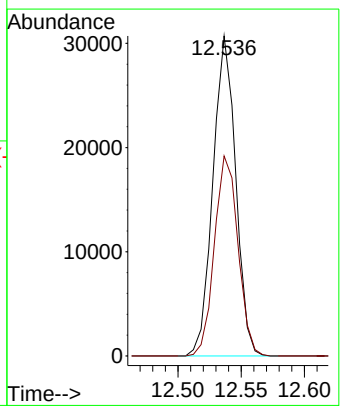
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

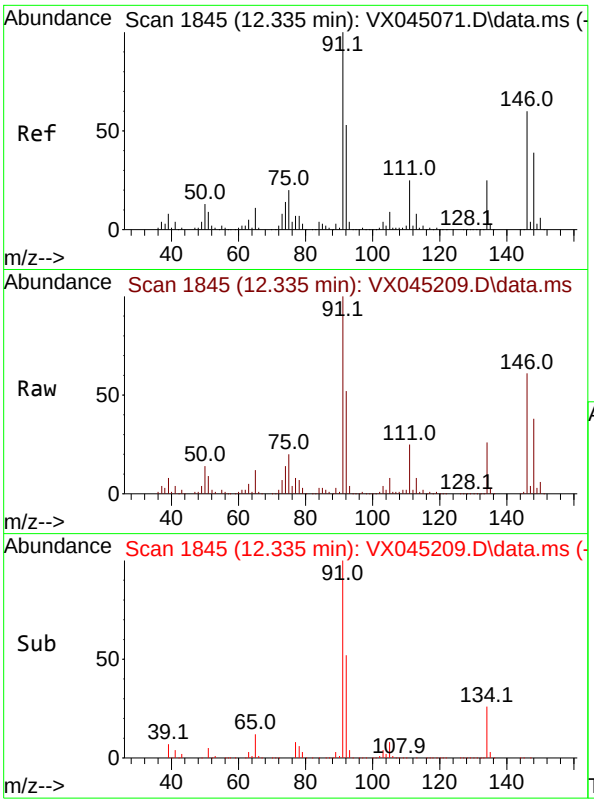


#90
Hexachloroethane
Concen: 51.712 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:117 Resp: 38405

Ion	Ratio	Lower	Upper
117	100		
201	64.6	31.9	95.9

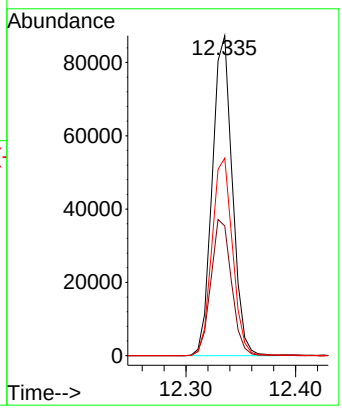




#91
1,2-Dichlorobenzene
Concen: 51.548 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:146 Resp: 11111

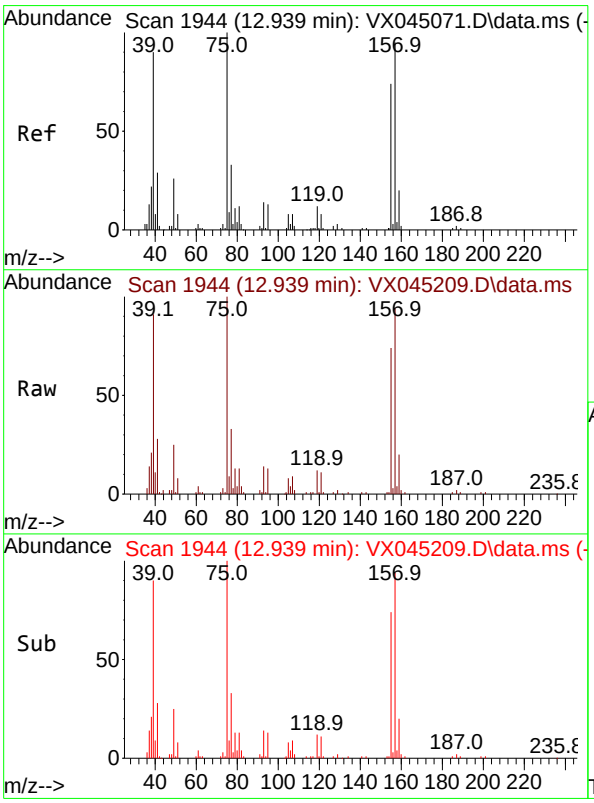
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	65.0
148	63.7	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

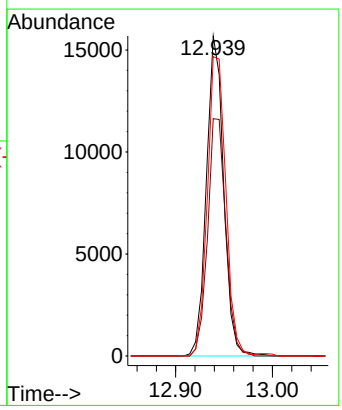
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

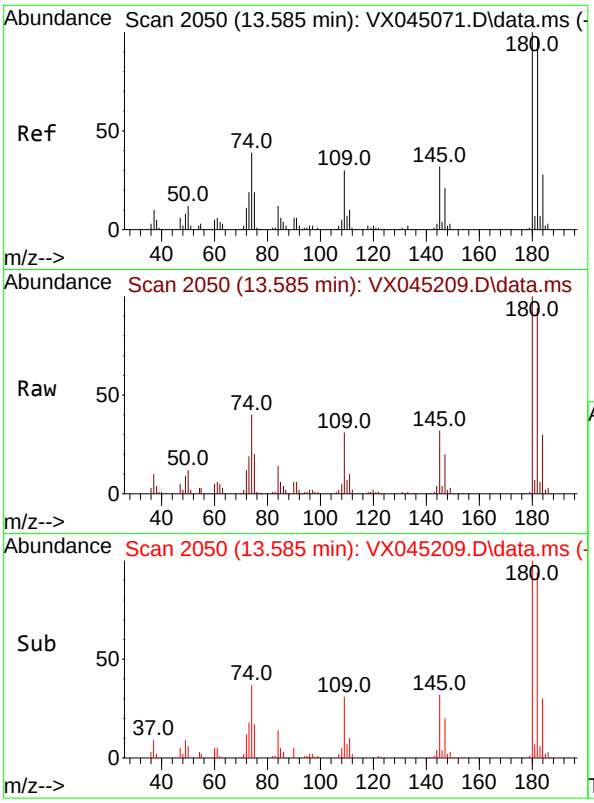


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.372 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 75 Resp: 19480

Ion	Ratio	Lower	Upper
75	100		
155	78.2	39.6	118.7
157	99.9	51.1	153.4





#93
1,2,4-Trichlorobenzene
Concen: 51.957 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

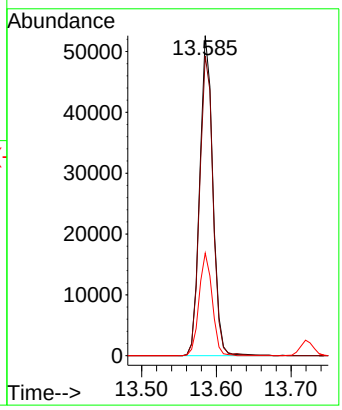
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

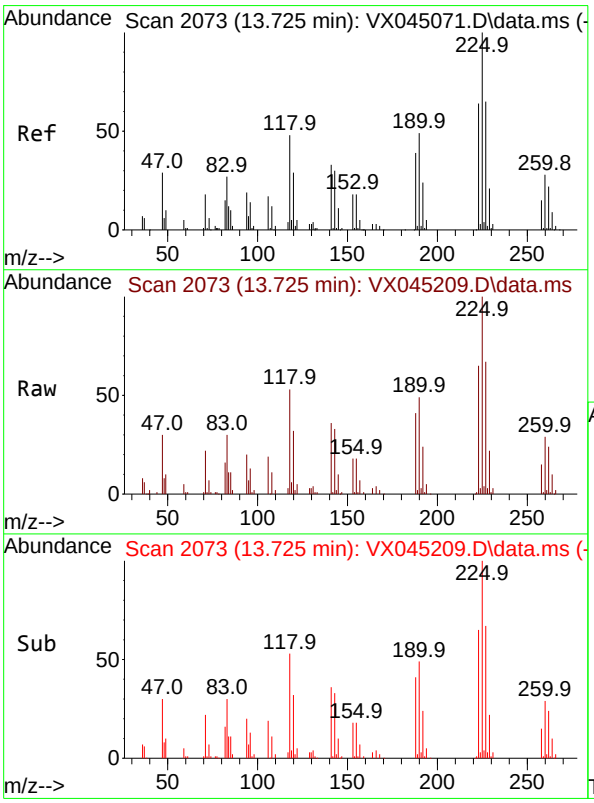
Tgt Ion:180 Resp: 6377

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	141.9
145	32.2	16.3	48.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

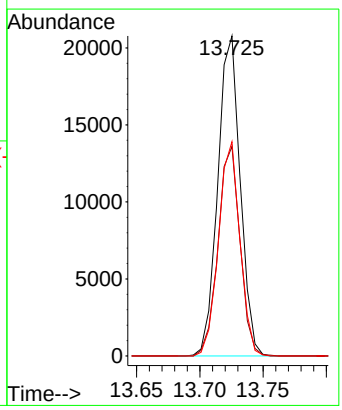


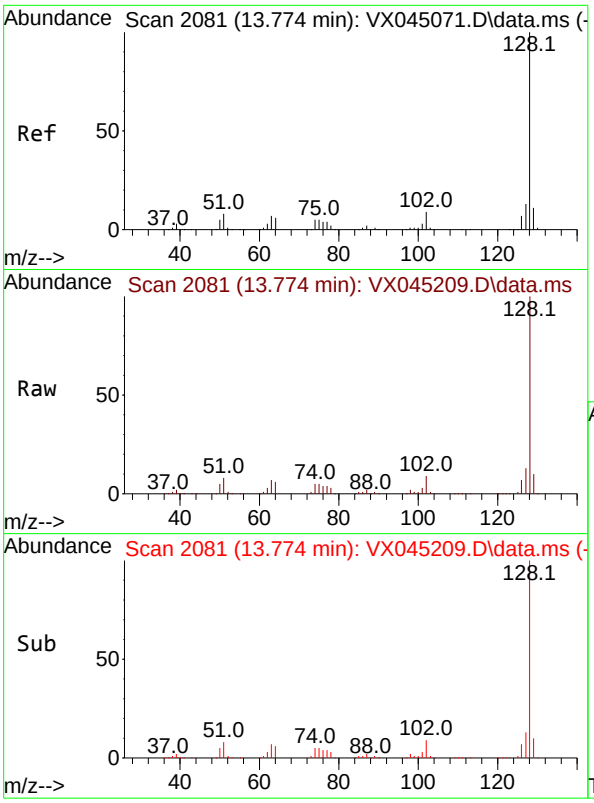


#94
Hexachlorobutadiene
Concen: 50.796 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:225 Resp: 25562

Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.9	95.7
227	63.8	31.4	94.0

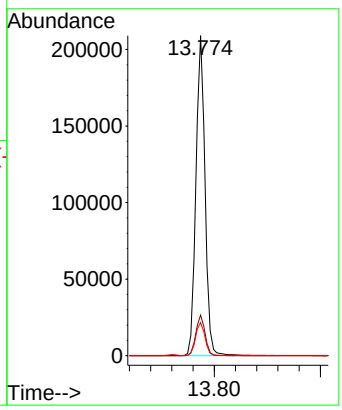




#95
Naphthalene
Concen: 52.935 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:128 Resp: 24963

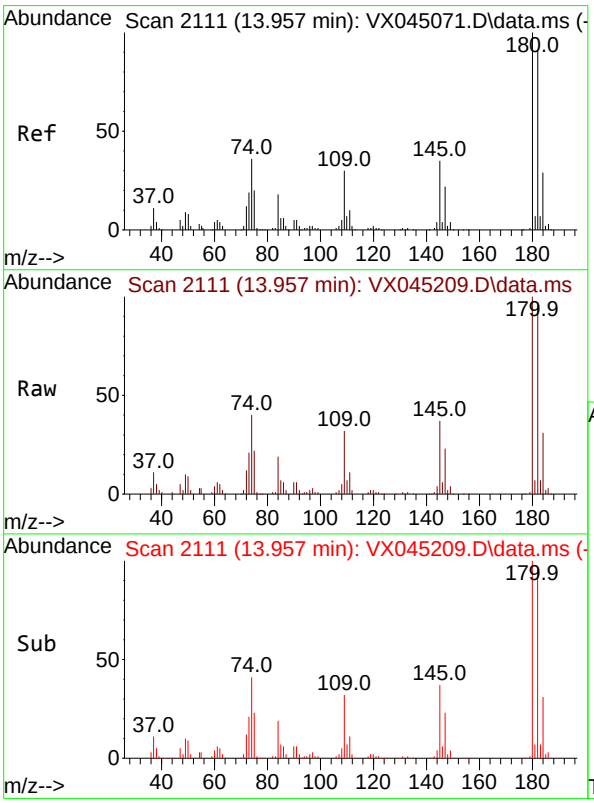
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.7	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

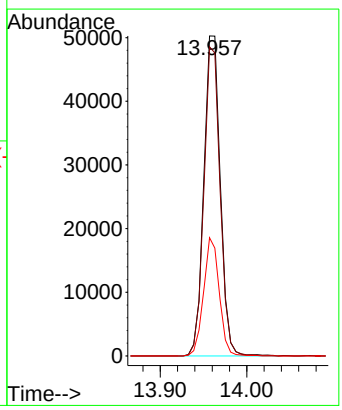
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.350 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:180 Resp: 66492

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	35.2	17.0	50.9



Sample Results: **VX045209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045209.D
Acq On : 10 Mar 2025 20:17
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 11 04:04:46 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	87	0.00
2	T	Dichlorodifluoromethane	0.629	0.624	0.8	87	0.00
3	P	Chloromethane	0.770	0.740	3.9	85	0.00
4	C	Vinyl Chloride	0.764	0.699	8.5#	80	0.00
5	T	Bromomethane	0.300	0.304	-1.3	91	0.00
6	T	Chloroethane	0.352	0.384	-9.1	90	0.00
7	T	Trichlorofluoromethane	1.011	1.028	-1.7	85	0.00
8	T	Diethyl Ether	0.396	0.381	3.8	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.625	-7.6	92	0.00
10	T	Methyl Iodide	0.726	0.793	-9.2	90	0.00
11	T	Tert butyl alcohol	0.151	0.136	9.9	88	-0.01
12	CM	1,1-Dichloroethene	0.614	0.612	0.3#	85	0.00
13	T	Acrolein	0.174	0.165	5.2	83	0.00
14	T	Allyl chloride	1.094	1.169	-6.9	92	0.00
15	T	Acrylonitrile	0.404	0.434	-7.4	92	0.00
16	T	Acetone	0.369	0.376	-1.9	93	0.00
17	T	Carbon Disulfide	1.636	1.479	9.6	78	0.00
18	T	Methyl Acetate	0.888	1.065	-19.9	107	0.00
19	T	Methyl tert-butyl Ether	2.061	2.209	-7.2	92	0.00
20	T	Methylene Chloride	0.731	0.720	1.5	90	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.611	-0.7	84	0.00
22	T	Diisopropyl ether	2.224	2.400	-7.9	91	0.00
23	T	Vinyl Acetate	1.856	2.069	-11.5	91	0.00
24	P	1,1-Dichloroethane	1.247	1.300	-4.3	91	0.00
25	T	2-Butanone	0.555	0.601	-8.3	90	0.00
26	T	2,2-Dichloropropane	0.585	0.780	-33.3#	114	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.765	-2.1	87	0.00
28	T	Bromochloromethane	0.594	0.555	6.6	80	0.00
29	T	Tetrahydrofuran	0.373	0.385	-3.2	90	0.00
30	C	Chloroform	1.239	1.303	-5.2#	91	0.00
31	T	Cyclohexane	1.082	1.118	-3.3	88	0.00
32	T	1,1,1-Trichloroethane	1.000	1.051	-5.1	89	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.855	-7.5	98	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35	S	Dibromofluoromethane	0.334	0.362	-8.4	95	0.00
36	T	1,1-Dichloropropene	0.459	0.460	-0.2	85	0.00
37	T	Ethyl Acetate	0.591	0.624	-5.6	89	0.00
38	T	Carbon Tetrachloride	0.465	0.482	-3.7	89	0.00
39	T	Methylcyclohexane	0.549	0.592	-7.8	88	0.00
40	TM	Benzene	1.448	1.499	-3.5	87	0.00
41	T	Methacrylonitrile	0.319	0.360	-12.9	92	0.00
42	TM	1,2-Dichloroethane	0.521	0.569	-9.2	93	0.00
43	T	Isopropyl Acetate	0.874	0.986	-12.8	92	0.00
44	TM	Trichloroethene	0.340	0.355	-4.4	90	0.00
45	C	1,2-Dichloropropane	0.372	0.392	-5.4#	92	0.00
46	T	Dibromomethane	0.263	0.284	-8.0	91	0.00
47	T	Bromodichloromethane	0.516	0.564	-9.3	93	0.00
48	T	Methyl methacrylate	0.438	0.497	-13.5	93	0.00

Sample Results: **VX045209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045209.D
Acq On : 10 Mar 2025 20:17
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 11 04:04:46 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	82	0.00
50	S	Toluene-d8	1.212	1.265	-4.4	91	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.671	-14.3	95	0.00
52	CM	Toluene	0.849	0.895	-5.4#	86	0.00
53	T	t-1,3-Dichloropropene	0.431	0.502	-16.5	93	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.577	-14.7	93	0.00
55	T	1,1,2-Trichloroethane	0.350	0.372	-6.3	91	0.00
56	T	Ethyl methacrylate	0.532	0.614	-15.4	93	0.00
57	T	1,3-Dichloropropane	0.605	0.642	-6.1	90	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.285	-10.0	87	0.00
59	T	2-Hexanone	0.425	0.491	-15.5	95	0.00
60	T	Dibromochloromethane	0.366	0.406	-10.9	92	0.00
61	T	1,2-Dibromoethane	0.349	0.376	-7.7	92	0.00
62	S	4-Bromofluorobenzene	0.402	0.448	-11.4	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
64	T	Tetrachloroethene	0.320	0.319	0.3	86	0.00
65	PM	Chlorobenzene	1.058	1.094	-3.4	87	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.371	-5.4	91	0.00
67	C	Ethyl Benzene	1.843	1.948	-5.7#	87	0.00
68	T	m/p-Xylenes	0.675	0.720	-6.7	87	0.00
69	T	o-Xylene	0.681	0.716	-5.1	88	0.00
70	T	Styrene	1.101	1.204	-9.4	89	0.00
71	P	Bromoform	0.266	0.297	-11.7	94	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.903	3.997	-2.4	89	0.00
74	T	N-amyl acetate	1.831	2.048	-11.9	95	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.463	-2.2	95	0.00
76	T	1,2,3-Trichloropropane	1.164	1.218	-4.6	97	0.00
77	T	Bromobenzene	0.921	0.928	-0.8	91	0.00
78	T	n-propylbenzene	4.409	4.705	-6.7	90	0.00
79	T	2-Chlorotoluene	2.808	2.822	-0.5	90	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.289	-4.2	89	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.370	-8.8	100	0.00
82	T	4-Chlorotoluene	3.060	3.231	-5.6	92	0.00
83	T	tert-Butylbenzene	3.242	3.327	-2.6	90	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.360	-5.8	91	0.00
85	T	sec-Butylbenzene	3.884	4.181	-7.6	91	0.00
86	T	p-Isopropyltoluene	3.139	3.422	-9.0	92	0.00
87	T	1,3-Dichlorobenzene	1.643	1.689	-2.8	93	0.00
88	T	1,4-Dichlorobenzene	1.662	1.683	-1.3	92	0.00
89	T	n-Butylbenzene	2.703	3.037	-12.4	93	0.00
90	T	Hexachloroethane	0.568	0.587	-3.3	89	0.00
91	T	1,2-Dichlorobenzene	1.648	1.699	-3.1	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.298	-6.8	95	0.00
93	T	1,2,4-Trichlorobenzene	0.938	0.975	-3.9	89	0.00
94	T	Hexachlorobutadiene	0.385	0.391	-1.6	92	0.00
95	T	Naphthalene	3.605	3.817	-5.9	90	0.00

Sample Results: **VX045209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045209.D
Acq On : 10 Mar 2025 20:17
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 11 04:04:46 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	1.017	-2.7	88	0.00

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

Sample Results: **VX045209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045209.D
Acq On : 10 Mar 2025 20:17
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 11 04:04:46 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	87	0.00
2	T	Dichlorodifluoromethane	50.000	49.599	0.8	87	0.00
3	P	Chloromethane	50.000	48.025	4.0	85	0.00
4	C	Vinyl Chloride	50.000	45.773	8.5#	80	0.00
5	T	Bromomethane	50.000	50.673	-1.3	91	0.00
6	T	Chloroethane	50.000	54.440	-8.9	90	0.00
7	T	Trichlorofluoromethane	50.000	50.823	-1.6	85	0.00
8	T	Diethyl Ether	50.000	48.131	3.7	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.761	-7.5	92	0.00
10	T	Methyl Iodide	50.000	54.565	-9.1	90	0.00
11	T	Tert butyl alcohol	250.000	225.688	9.7	88	-0.01
12	CM	1,1-Dichloroethene	50.000	49.795	0.4#	85	0.00
13	T	Acrolein	250.000	237.014	5.2	83	0.00
14	T	Allyl chloride	50.000	53.441	-6.9	92	0.00
15	T	Acrylonitrile	250.000	268.846	-7.5	92	0.00
16	T	Acetone	250.000	254.865	-1.9	93	0.00
17	T	Carbon Disulfide	50.000	45.192	9.6	78	0.00
18	T	Methyl Acetate	50.000	59.975	-20.0	107	0.00
19	T	Methyl tert-butyl Ether	50.000	53.586	-7.2	92	0.00
20	T	Methylene Chloride	50.000	49.218	1.6	90	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.342	-0.7	84	0.00
22	T	Diisopropyl ether	50.000	53.946	-7.9	91	0.00
23	T	Vinyl Acetate	250.000	278.666	-11.5	91	0.00
24	P	1,1-Dichloroethane	50.000	52.153	-4.3	91	0.00
25	T	2-Butanone	250.000	270.518	-8.2	90	0.00
26	T	2,2-Dichloropropane	50.000	66.684	-33.4#	114	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.038	-2.1	87	0.00
28	T	Bromochloromethane	50.000	46.695	6.6	80	0.00
29	T	Tetrahydrofuran	250.000	257.939	-3.2	90	0.00
30	C	Chloroform	50.000	52.604	-5.2#	91	0.00
31	T	Cyclohexane	50.000	51.654	-3.3	88	0.00
32	T	1,1,1-Trichloroethane	50.000	52.556	-5.1	89	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.777	-7.6	98	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35	S	Dibromofluoromethane	50.000	54.162	-8.3	95	0.00
36	T	1,1-Dichloropropene	50.000	50.215	-0.4	85	0.00
37	T	Ethyl Acetate	50.000	52.826	-5.7	89	0.00
38	T	Carbon Tetrachloride	50.000	51.782	-3.6	89	0.00
39	T	Methylcyclohexane	50.000	53.885	-7.8	88	0.00
40	TM	Benzene	50.000	51.762	-3.5	87	0.00
41	T	Methacrylonitrile	50.000	56.278	-12.6	92	0.00
42	TM	1,2-Dichloroethane	50.000	54.587	-9.2	93	0.00
43	T	Isopropyl Acetate	50.000	56.443	-12.9	92	0.00
44	TM	Trichloroethene	50.000	52.232	-4.5	90	0.00
45	C	1,2-Dichloropropane	50.000	52.648	-5.3#	92	0.00
46	T	Dibromomethane	50.000	53.887	-7.8	91	0.00
47	T	Bromodichloromethane	50.000	54.648	-9.3	93	0.00
48	T	Methyl methacrylate	50.000	56.723	-13.4	93	0.00

Sample Results: **VX045209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045209.D
Acq On : 10 Mar 2025 20:17
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 11 04:04:46 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	961.250	3.9	82	0.00
50	S	Toluene-d8	50.000	52.198	-4.4	91	0.00
51	T	4-Methyl-2-Pentanone	250.000	285.882	-14.4	95	0.00
52	CM	Toluene	50.000	52.695	-5.4#	86	0.00
53	T	t-1,3-Dichloropropene	50.000	58.132	-16.3	93	0.00
54	T	cis-1,3-Dichloropropene	50.000	57.309	-14.6	93	0.00
55	T	1,1,2-Trichloroethane	50.000	53.219	-6.4	91	0.00
56	T	Ethyl methacrylate	50.000	57.768	-15.5	93	0.00
57	T	1,3-Dichloropropane	50.000	53.072	-6.1	90	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	275.041	-10.0	87	0.00
59	T	2-Hexanone	250.000	288.929	-15.6	95	0.00
60	T	Dibromochloromethane	50.000	55.525	-11.0	92	0.00
61	T	1,2-Dibromoethane	50.000	53.901	-7.8	92	0.00
62	S	4-Bromofluorobenzene	50.000	55.762	-11.5	97	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	87	0.00
64	T	Tetrachloroethene	50.000	49.798	0.4	86	0.00
65	PM	Chlorobenzene	50.000	51.723	-3.4	87	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.665	-5.3	91	0.00
67	C	Ethyl Benzene	50.000	52.841	-5.7#	87	0.00
68	T	m/p-Xylenes	100.000	106.750	-6.8	87	0.00
69	T	o-Xylene	50.000	52.621	-5.2	88	0.00
70	T	Styrene	50.000	54.651	-9.3	89	0.00
71	P	Bromoform	50.000	55.820	-11.6	94	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	51.203	-2.4	89	0.00
74	T	N-amyl acetate	50.000	55.914	-11.8	95	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.071	-2.1	95	0.00
76	T	1,2,3-Trichloropropane	50.000	52.319	-4.6	97	0.00
77	T	Bromobenzene	50.000	50.399	-0.8	91	0.00
78	T	n-propylbenzene	50.000	53.359	-6.7	90	0.00
79	T	2-Chlorotoluene	50.000	50.254	-0.5	90	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.109	-4.2	89	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	54.392	-8.8	100	0.00
82	T	4-Chlorotoluene	50.000	52.803	-5.6	92	0.00
83	T	tert-Butylbenzene	50.000	51.306	-2.6	90	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.908	-5.8	91	0.00
85	T	sec-Butylbenzene	50.000	53.829	-7.7	91	0.00
86	T	p-Isopropyltoluene	50.000	54.521	-9.0	92	0.00
87	T	1,3-Dichlorobenzene	50.000	51.396	-2.8	93	0.00
88	T	1,4-Dichlorobenzene	50.000	50.623	-1.2	92	0.00
89	T	n-Butylbenzene	50.000	56.174	-12.3	93	0.00
90	T	Hexachloroethane	50.000	51.712	-3.4	89	0.00
91	T	1,2-Dichlorobenzene	50.000	51.548	-3.1	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.372	-6.7	95	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.957	-3.9	89	0.00
94	T	Hexachlorobutadiene	50.000	50.796	-1.6	92	0.00
95	T	Naphthalene	50.000	52.935	-5.9	90	0.00

Sample Results: **VX045209.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045209.D
Acq On : 10 Mar 2025 20:17
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 11 04:04:46 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	51.350	-2.7	88	0.00

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

Raw Data: **VX045211.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: AECO15

Lab Code: CHEM Case No.: Q1500 SAS No.: Q1500 SDG No.: Q1500

Instrument ID: MSVOA_X Calibration Date/Time: 03/11/2025 09:59

Lab File ID: VX045211.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	0.659		4.77	20
Chloromethane	0.770	0.731	0.1	-5.07	20
Vinyl Chloride	0.764	0.723		-5.37	20
Bromomethane	0.300	0.303		1	20
Chloroethane	0.352	0.386		9.66	20
Trichlorofluoromethane	1.012	1.035		2.27	20
1,1,2-Trichlorotrifluoroethane	0.581	0.644		10.84	20
1,1-Dichloroethene	0.614	0.615		0.16	20
Acetone	0.369	0.381		3.25	20
Carbon Disulfide	1.636	1.547		-5.44	20
Methyl tert-butyl Ether	2.061	2.061		0	20
Methyl Acetate	0.888	1.003		12.84	20
Methylene Chloride	0.731	0.714		-2.33	20
trans-1,2-Dichloroethene	0.607	0.616		1.48	20
1,1-Dichloroethane	1.247	1.245	0.1	-0.16	20
Cyclohexane	1.082	1.111		2.68	20
2-Butanone	0.555	0.581		4.68	20
Carbon Tetrachloride	0.465	0.493		6.02	20
cis-1,2-Dichloroethene	0.749	0.755		0.8	20
Bromochloromethane	0.594	0.579		-2.53	20
Chloroform	1.239	1.234		-0.4	20
1,1,1-Trichloroethane	1.000	1.017		1.7	20
Methylcyclohexane	0.549	0.622		13.3	20
Benzene	1.448	1.486		2.62	20
1,2-Dichloroethane	0.521	0.546		4.8	20
Trichloroethene	0.340	0.354		4.12	20
1,2-Dichloropropane	0.372	0.380		2.15	20
Bromodichloromethane	0.516	0.557		7.95	20
4-Methyl-2-Pentanone	0.587	0.636		8.35	20
Toluene	0.849	0.900		6.01	20
t-1,3-Dichloropropene	0.431	0.514		19.26	20
cis-1,3-Dichloropropene	0.503	0.580		15.31	20
1,1,2-Trichloroethane	0.350	0.361		3.14	20
2-Hexanone	0.425	0.458		7.76	20
Dibromochloromethane	0.366	0.404		10.38	20
1,2-Dibromoethane	0.349	0.373		6.88	20
Tetrachloroethene	0.320	0.336		5	20
Chlorobenzene	1.058	1.120	0.3	5.86	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.: Q1500 SAS No.: Q1500 SDG No.: Q1500

Instrument ID: MSVOA_X Calibration Date/Time: 03/11/2025 09:59

Lab File ID: VX045211.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	1.996		8.3	20
m/p-Xylenes	0.675	0.738		9.33	20
o-Xylene	0.681	0.724		6.31	20
Styrene	1.101	1.222		10.99	20
Bromoform	0.266	0.306	0.1	15.04	20
Isopropylbenzene	3.903	4.178		7.05	20
1,1,2,2-Tetrachloroethane	1.432	1.392	0.3	-2.79	20
1,3-Dichlorobenzene	1.643	1.694		3.1	20
1,4-Dichlorobenzene	1.662	1.696		2.05	20
1,2-Dichlorobenzene	1.648	1.671		1.4	20
1,2-Dibromo-3-Chloropropane	0.279	0.293		5.02	20
1,2,4-Trichlorobenzene	0.938	1.037		10.55	20
1,2,3-Trichlorobenzene	0.990	1.037		4.75	20
1,2-Dichloroethane-d4	0.795	0.792		-0.38	20
Dibromofluoromethane	0.334	0.355		6.29	20
Toluene-d8	1.212	1.251		3.22	20
4-Bromofluorobenzene	0.402	0.446		10.94	20

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

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045211.D
Acq On : 11 Mar 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Quant Time: Mar 12 01:41:38 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	101357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	176548	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	153652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	80318	49.818	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.640%			
35) Dibromofluoromethane	5.373	113	62691	53.104	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.200%			
50) Toluene-d8	8.641	98	220779	51.586	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.180%			
62) 4-Bromofluorobenzene	11.079	95	78726	55.511	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	66819	52.372	ug/l	97
3) Chloromethane	1.301	50	74121	47.472	ug/l	97
4) Vinyl Chloride	1.374	62	73280	47.311	ug/l	97
5) Bromomethane	1.593	94	30682	50.390	ug/l	99
6) Chloroethane	1.660	64	39147	54.794	ug/l	100
7) Trichlorofluoromethane	1.874	101	104874	51.147	ug/l	99
8) Diethyl Ether	2.130	74	37439	46.681	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	65226	55.369	ug/l	99
10) Methyl Iodide	2.441	142	77939	52.942	ug/l	98
11) Tert butyl alcohol	2.977	59	59389	194.474	ug/l	97
12) 1,1-Dichloroethene	2.307	96	62298	50.020	ug/l	99
13) Acrolein	2.233	56	77625	219.893	ug/l	100
14) Allyl chloride	2.654	41	118042	53.245	ug/l	99
15) Acrylonitrile	3.063	53	209132	255.519	ug/l	99
16) Acetone	2.380	43	192994	258.004	ug/l	99
17) Carbon Disulfide	2.502	76	156835	47.279	ug/l	96
18) Methyl Acetate	2.703	43	101610	56.465	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	208892	49.992	ug/l	100
20) Methylene Chloride	2.782	84	72325	48.811	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	62483	50.781	ug/l	96
22) Diisopropyl ether	3.758	45	233037	51.685	ug/l	96
23) Vinyl Acetate	3.715	43	995766	264.646	ug/l	98
24) 1,1-Dichloroethane	3.599	63	126144	49.921	ug/l	99
25) 2-Butanone	4.550	43	294568	261.614	ug/l	99
26) 2,2-Dichloropropane	4.465	77	91726	77.390	ug/l	95
27) cis-1,2-Dichloroethene	4.477	96	76526	50.382	ug/l	96
28) Bromochloromethane	4.891	49	58687	48.726	ug/l	99
29) Tetrahydrofuran	5.001	42	185916	245.874	ug/l	99
30) Chloroform	5.087	83	125081	49.818	ug/l	100
31) Cyclohexane	5.458	56	112624	51.345	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	103045	50.816	ug/l	98
36) 1,1-Dichloropropene	5.684	75	83960	51.860	ug/l	100
37) Ethyl Acetate	4.709	43	108170	51.851	ug/l	99
38) Carbon Tetrachloride	5.666	117	87028	52.948	ug/l	98
39) Methylcyclohexane	7.373	83	109872	56.638	ug/l	99
40) Benzene	6.025	78	262366	51.320	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045211.D
Acq On : 11 Mar 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 12 01:41:38 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 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	60141	53.315	ug/l		98
42) 1,2-Dichloroethane	6.080	62	96385	52.356	ug/l		99
43) Isopropyl Acetate	6.336	43	168322	54.564	ug/l		99
44) Trichloroethene	7.117	130	62473	52.042	ug/l		100
45) 1,2-Dichloropropane	7.422	63	67025	50.991	ug/l		99
46) Dibromomethane	7.574	93	49158	52.911	ug/l		98
47) Bromodichloromethane	7.818	83	98381	53.986	ug/l		99
48) Methyl methacrylate	7.690	41	83051	53.663	ug/l		97
49) 1,4-Dioxane	7.659	88	29383	900.059	ug/l		99
51) 4-Methyl-2-Pentanone	8.568	43	561413	271.045	ug/l		100
52) Toluene	8.714	92	158892	52.972	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	90808	59.606	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	102314	57.592	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	63793	51.661	ug/l		97
56) Ethyl methacrylate	9.116	69	104915	55.894	ug/l		99
57) 1,3-Dichloropropane	9.305	76	111402	52.131	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	266994	291.597	ug/l		99
59) 2-Hexanone	9.427	43	404272	269.382	ug/l		100
60) Dibromochloromethane	9.519	129	71357	55.267	ug/l		99
61) 1,2-Dibromoethane	9.604	107	65874	53.438	ug/l		97
64) Tetrachloroethene	9.269	164	51638	52.473	ug/l		94
65) Chlorobenzene	10.073	112	172081	52.928	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	57191	52.821	ug/l		99
67) Ethyl Benzene	10.189	91	306683	54.136	ug/l		98
68) m/p-Xylenes	10.299	106	226899	109.410	ug/l		99
69) o-Xylene	10.640	106	111278	53.202	ug/l		98
70) Styrene	10.653	104	187697	55.460	ug/l		99
71) Bromoform	10.799	173	46985	57.546	ug/l	#	98
73) Isopropylbenzene	10.957	105	293007	53.524	ug/l		99
74) N-amyl acetate	10.842	43	137353	53.471	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	97628	48.598	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	82866m	50.763	ug/l		
77) Bromobenzene	11.195	156	66839	51.748	ug/l		99
78) n-propylbenzene	11.299	91	345156	55.815	ug/l		99
79) 2-Chlorotoluene	11.360	91	203667	51.714	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	239185	54.036	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	28423	59.586	ug/l		97
82) 4-Chlorotoluene	11.451	91	230104	53.609	ug/l		100
83) tert-Butylbenzene	11.713	119	240128	52.798	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	240636	54.029	ug/l		100
85) sec-Butylbenzene	11.890	105	306106	56.188	ug/l		99
86) p-Isopropyltoluene	12.006	119	247047	56.113	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	118813	51.564	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	118921	51.014	ug/l		98
89) n-Butylbenzene	12.329	91	225130	59.371	ug/l		100
90) Hexachloroethane	12.536	117	43824	55.032	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	117166	50.690	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20560	52.534	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	72696	55.234	ug/l		99
94) Hexachlorobutadiene	13.725	225	30733	56.956	ug/l		98
95) Naphthalene	13.774	128	261123	51.639	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	72754	52.399	ug/l		99

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045211.D
Acq On : 11 Mar 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 12 01:41:38 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 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

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

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

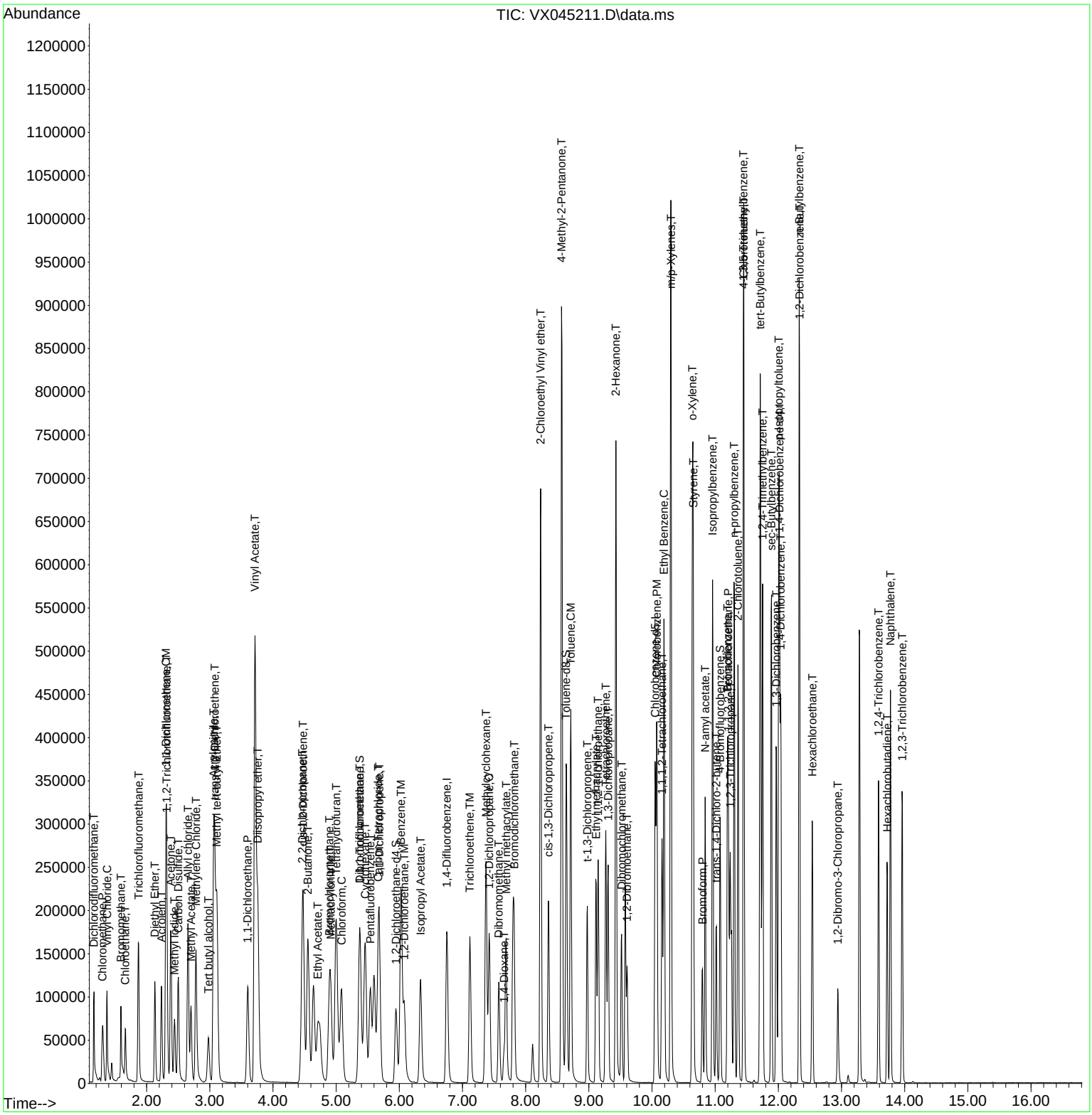
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045211.D
Acq On : 11 Mar 2025 09:59
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

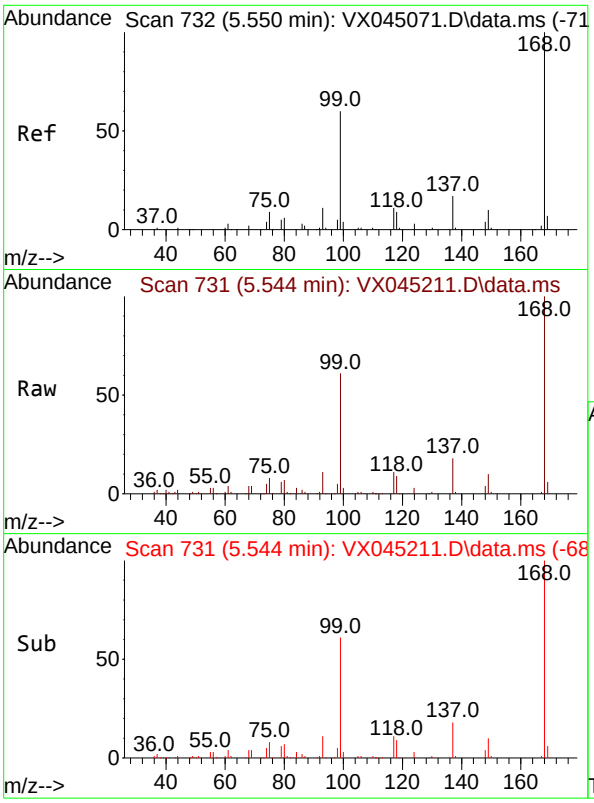
Quant Time: Mar 12 01:41:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

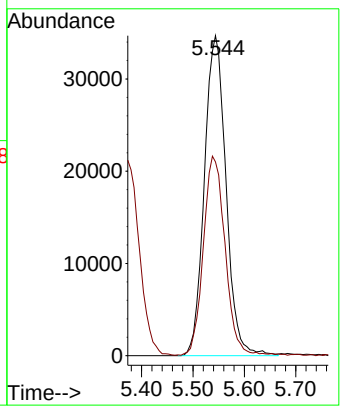
Tgt Ion:168 Resp: 10135

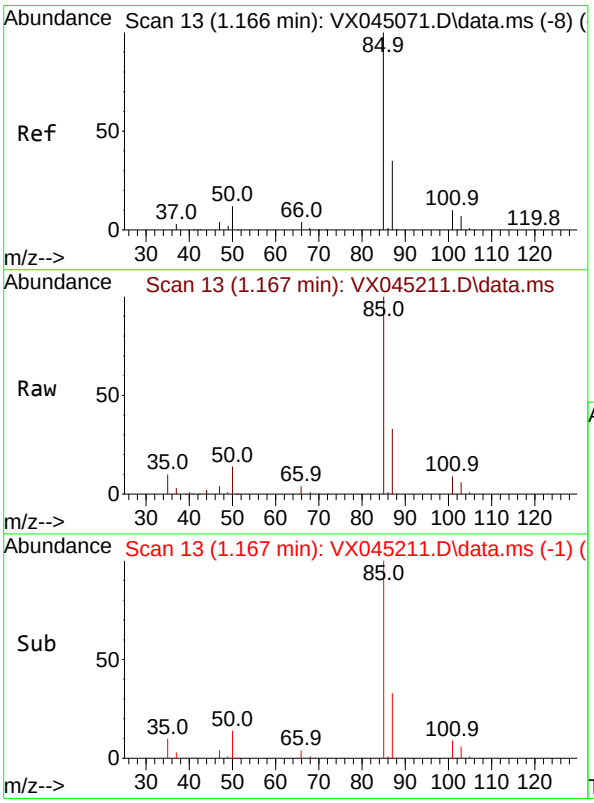
Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.2	72.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

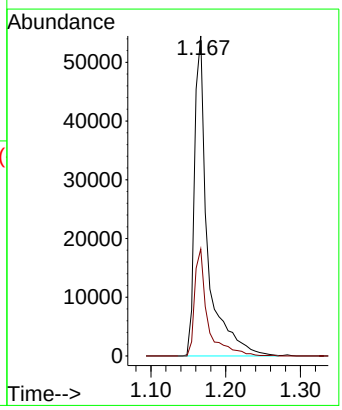


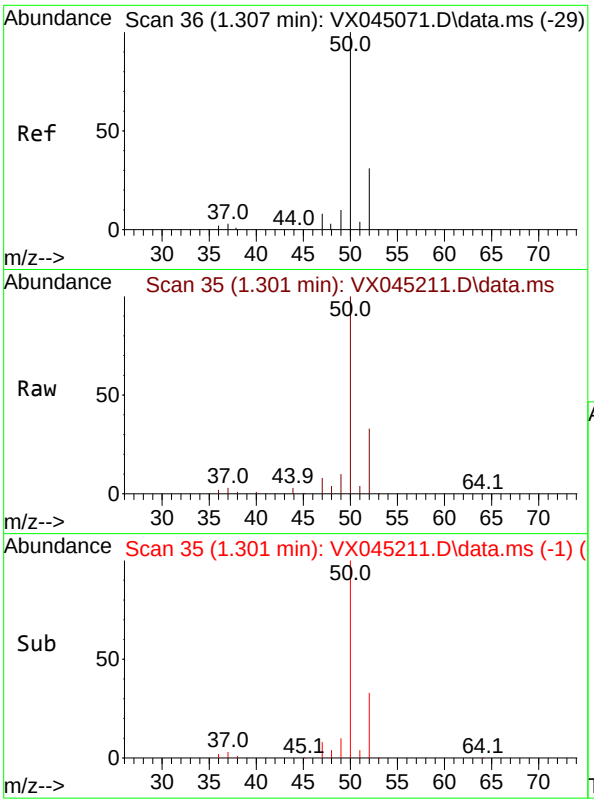


#2
Dichlorodifluoromethane
Concen: 52.372 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 85 Resp: 66819

Ion	Ratio	Lower	Upper
85	100		
87	33.4	17.4	52.3





#3
Chloromethane
Concen: 47.472 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

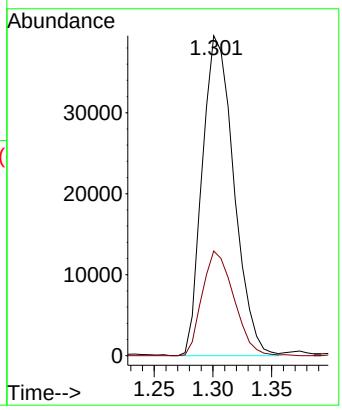
Tgt Ion: 50 Resp: 7412

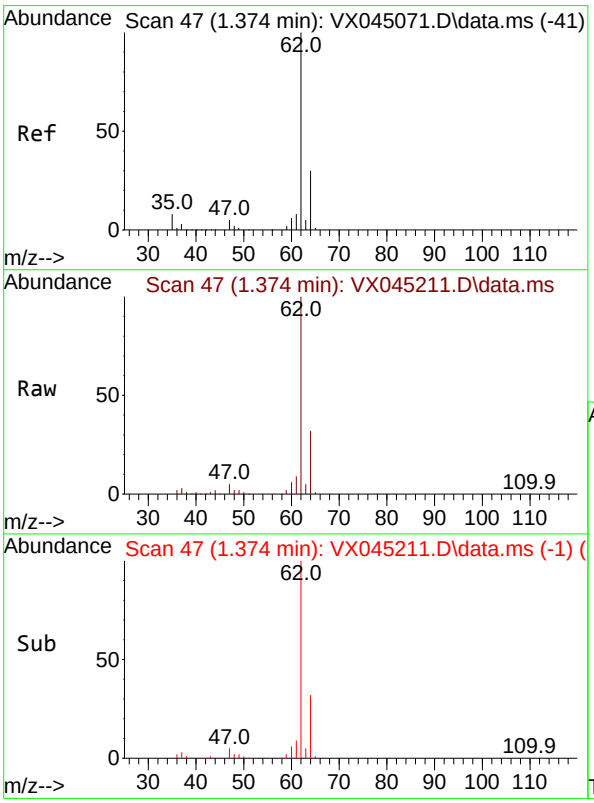
Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

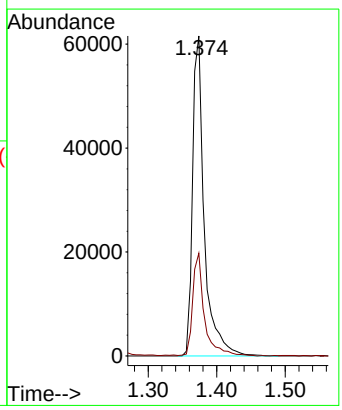


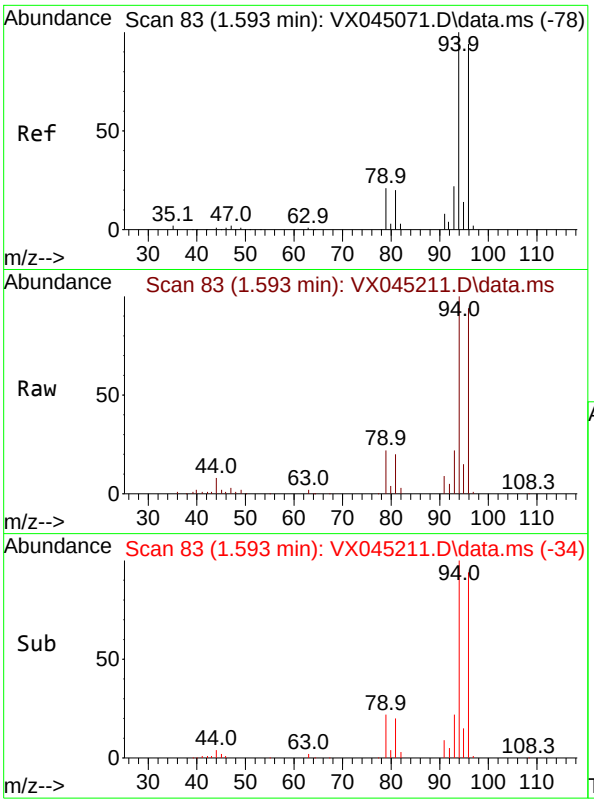


#4
Vinyl Chloride
Concen: 47.311 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 62 Resp: 73280

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5

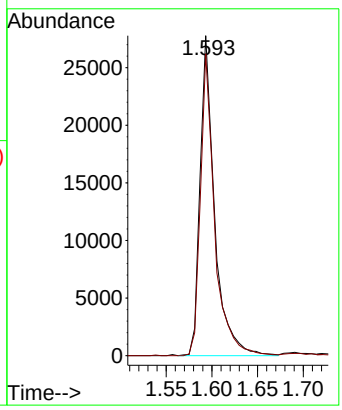




#5
Bromomethane
Concen: 50.390 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 94 Resp: 3068

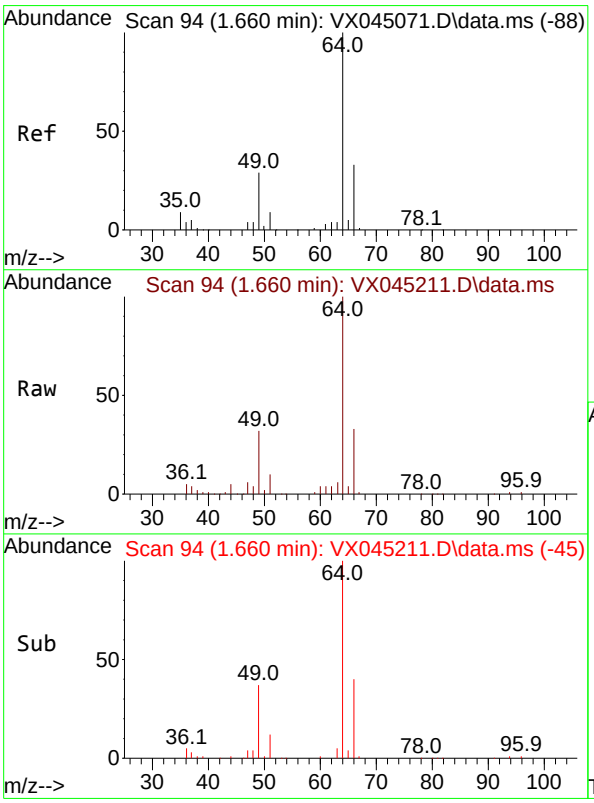
Ion	Ratio	Lower	Upper
94	100		
96	94.3	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

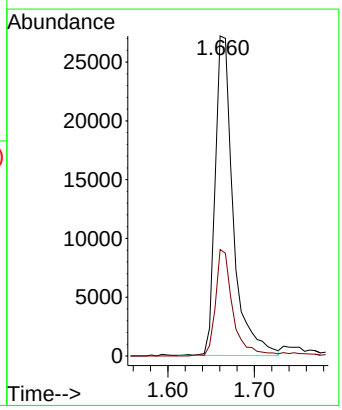
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

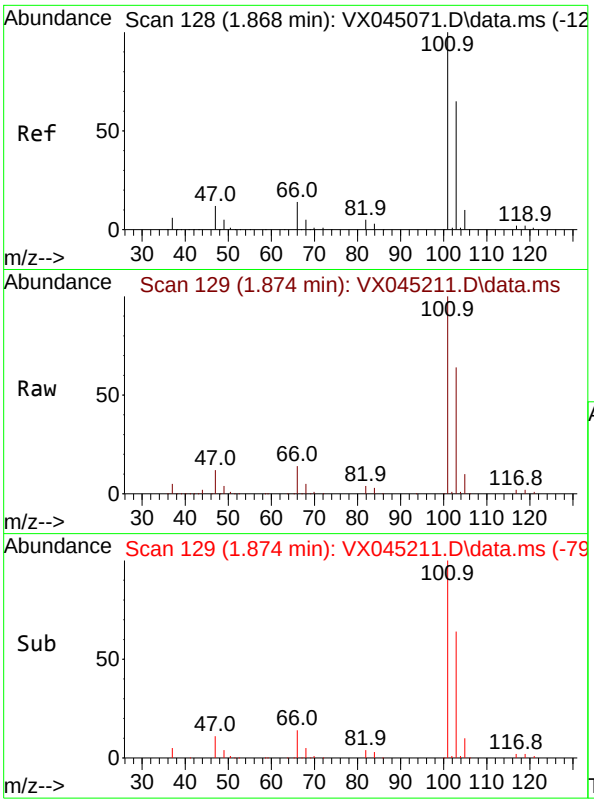


#6
Chloroethane
Concen: 54.794 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 64 Resp: 39147

Ion	Ratio	Lower	Upper
64	100		
66	33.3	26.7	40.1





#7
Trichlorofluoromethane
Concen: 51.147 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

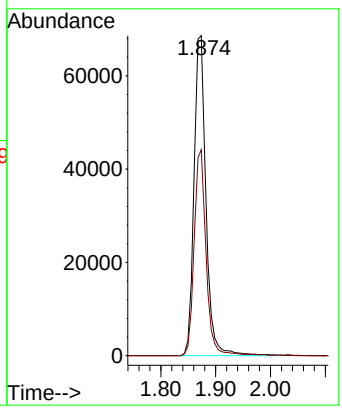
Tgt Ion:101 Resp: 10487

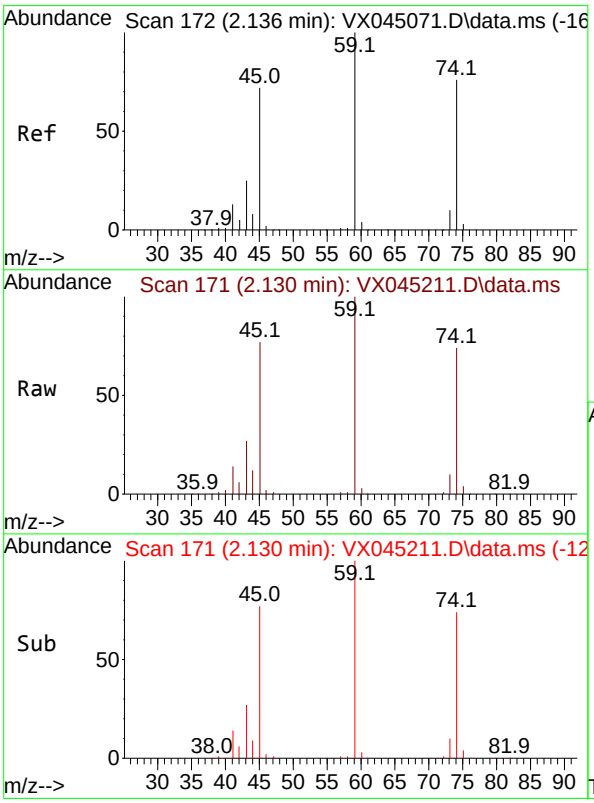
Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

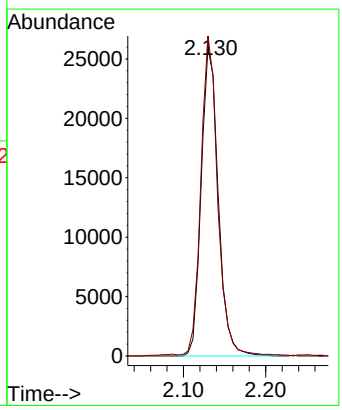


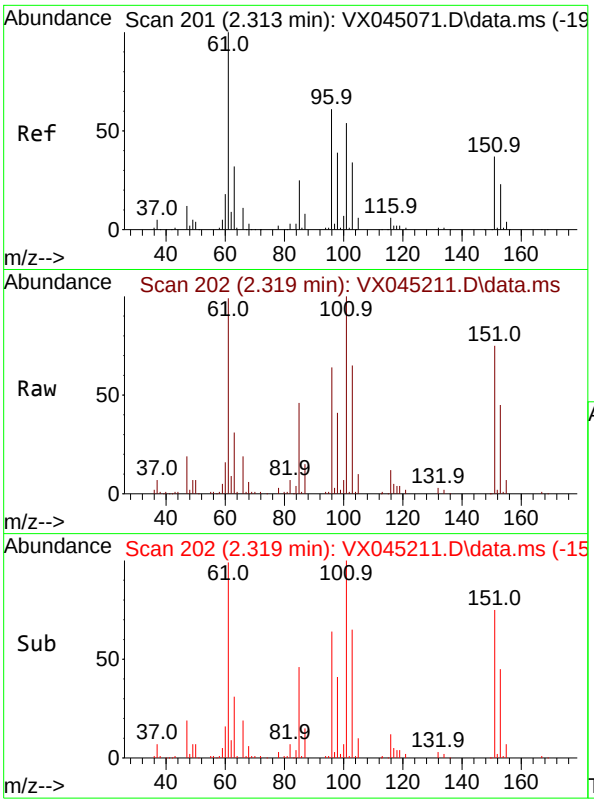


#8
Diethyl Ether
Concen: 46.681 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 74 Resp: 37439

Ion	Ratio	Lower	Upper
74	100		
45	103.5	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.369 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

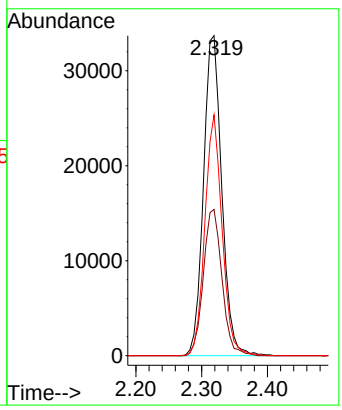
Tgt Ion:101 Resp: 6522(

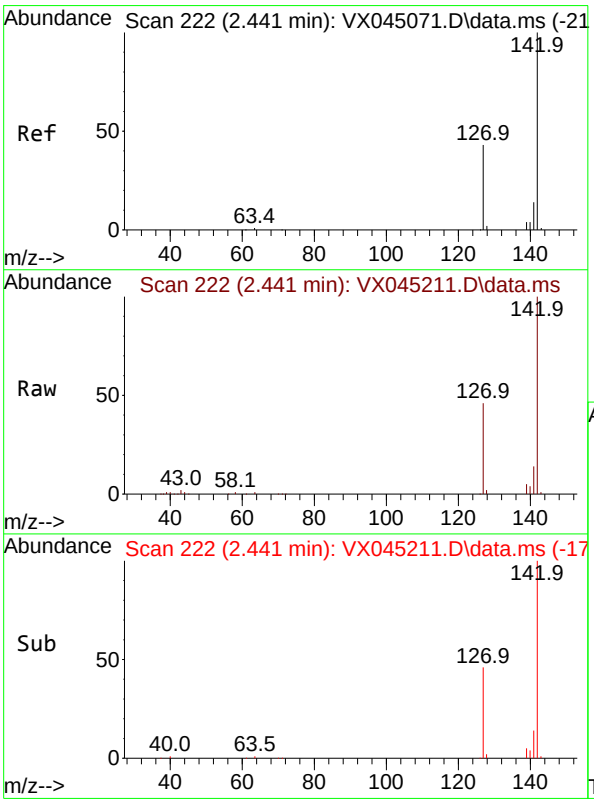
Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	71.0	56.4	84.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

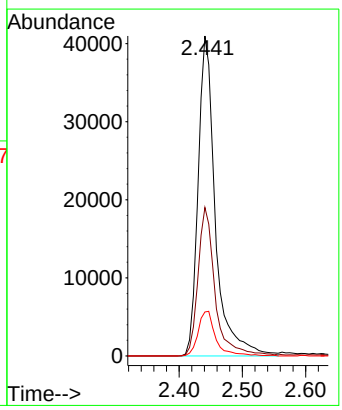


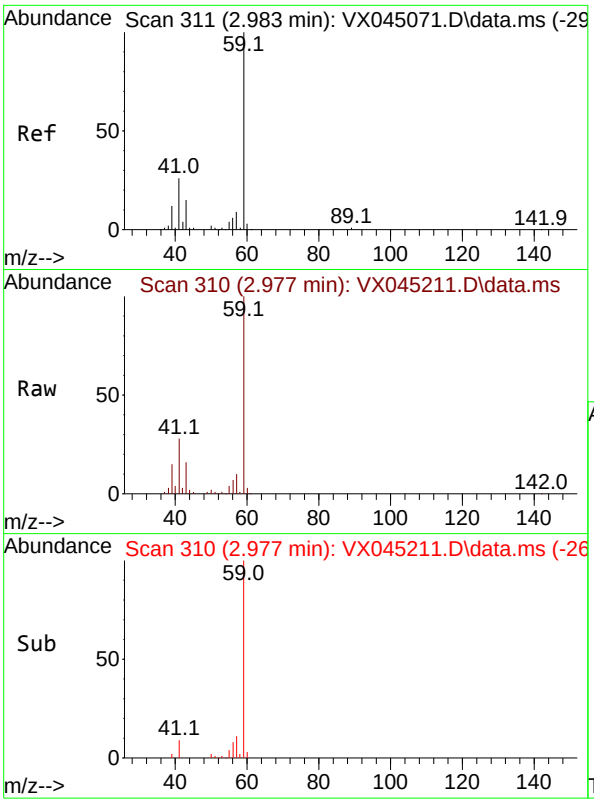


#10
Methyl Iodide
Concen: 52.942 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:142 Resp: 77939

Ion	Ratio	Lower	Upper
142	100		
127	46.0	35.4	53.2
141	14.3	11.6	17.4





#11
Tert butyl alcohol
Concen: 194.474 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

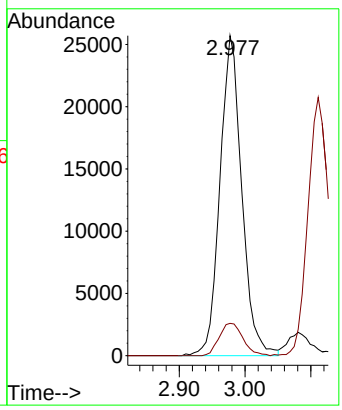
Tgt Ion: 59 Resp: 5938

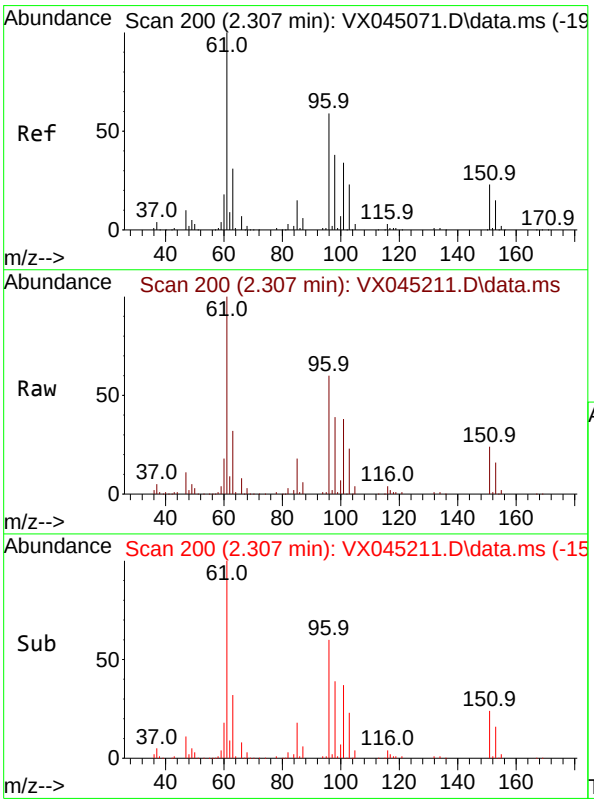
Ion	Ratio	Lower	Upper
59	100		
57	11.0	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

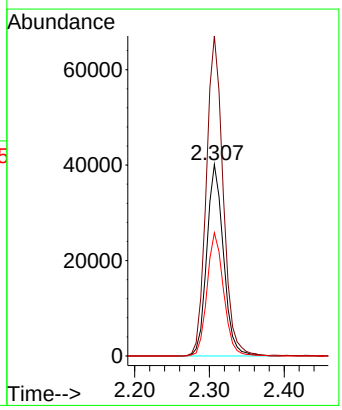


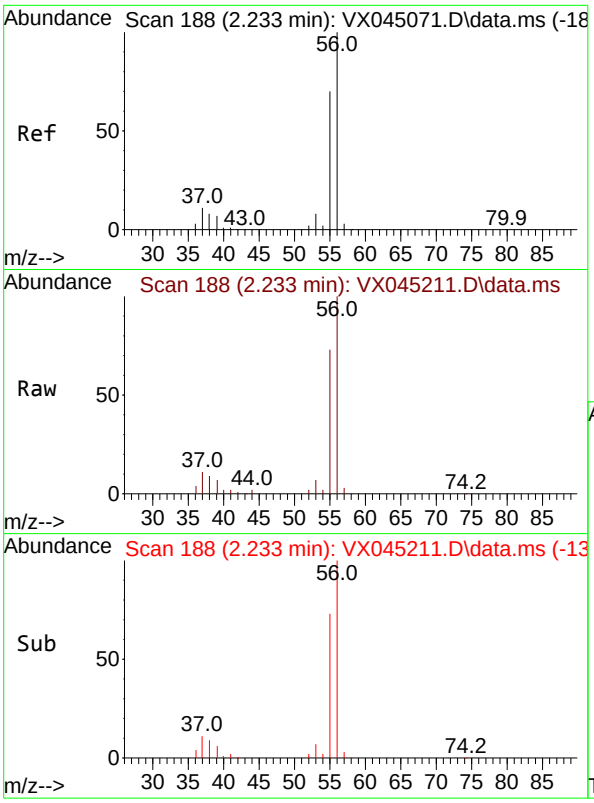


#12
1,1-Dichloroethene
Concen: 50.020 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 96 Resp: 62298

Ion	Ratio	Lower	Upper
96	100		
61	167.1	134.6	202.0
98	64.3	51.0	76.6





#13
Acrolein
Concen: 219.893 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

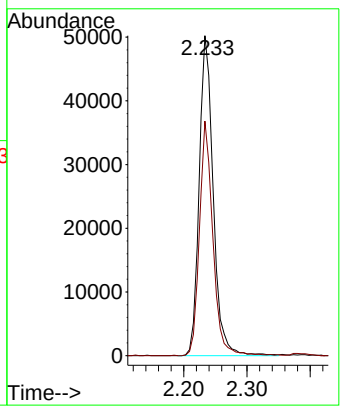
Tgt Ion: 56 Resp: 7762

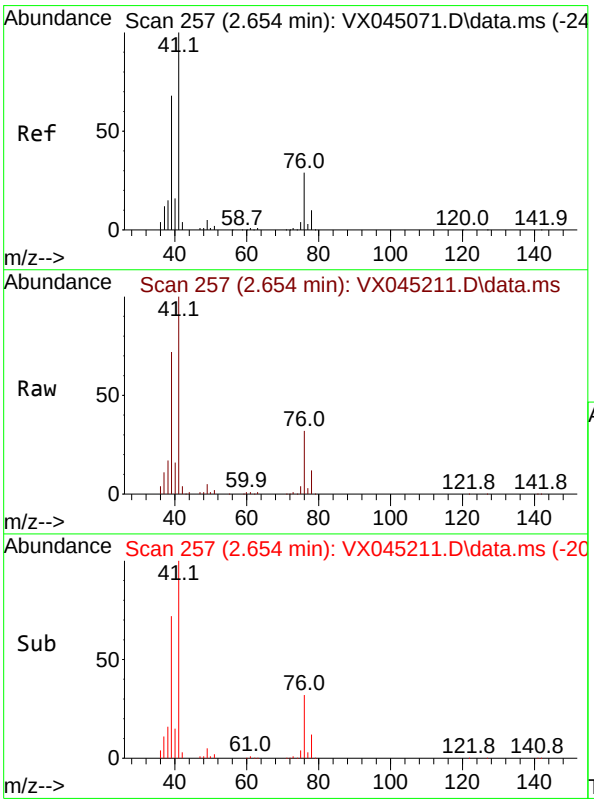
Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.2	84.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

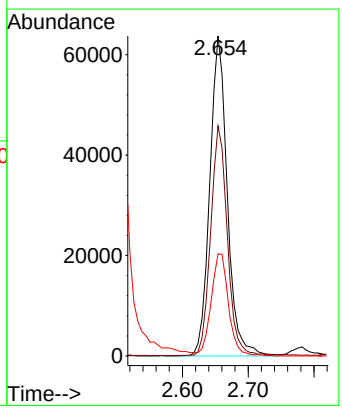


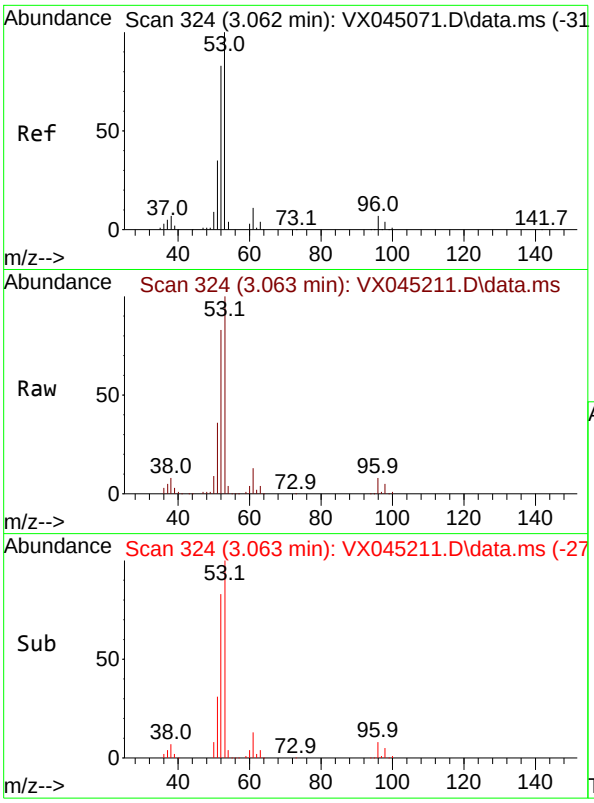


#14
Allyl chloride
Concen: 53.245 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 41 Resp: 118042

Ion	Ratio	Lower	Upper
41	100		
39	68.3	53.8	80.8
76	31.7	25.2	37.8





#15
Acrylonitrile
Concen: 255.519 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

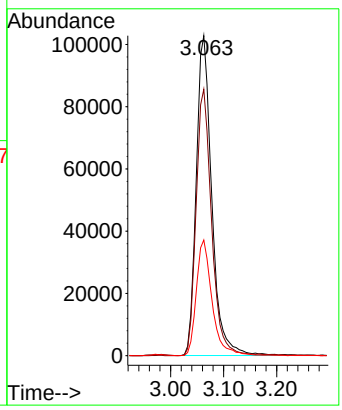
Tgt Ion: 53 Resp: 20913

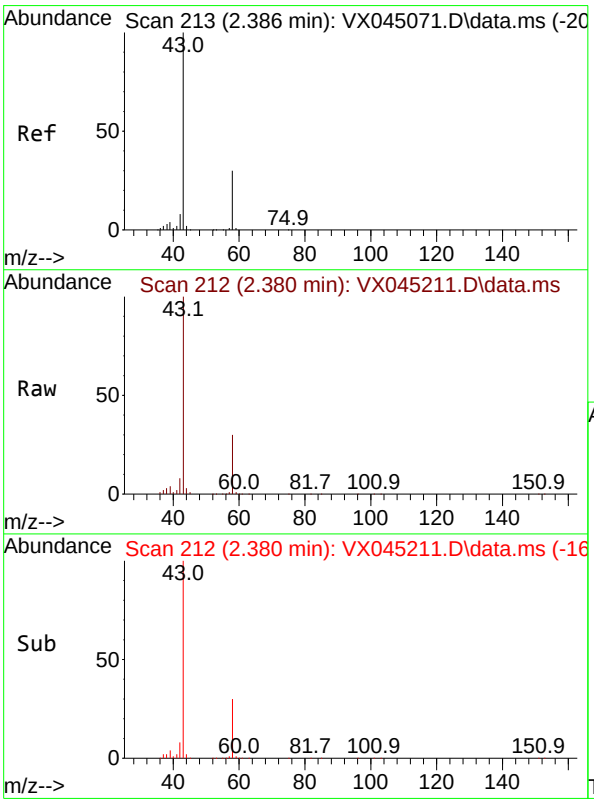
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.2
51	36.8	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

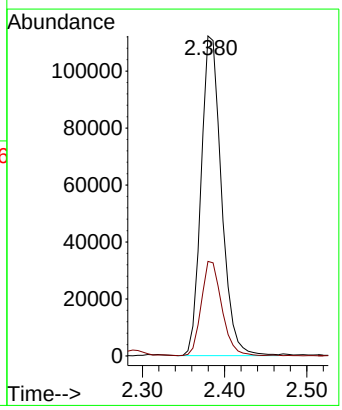


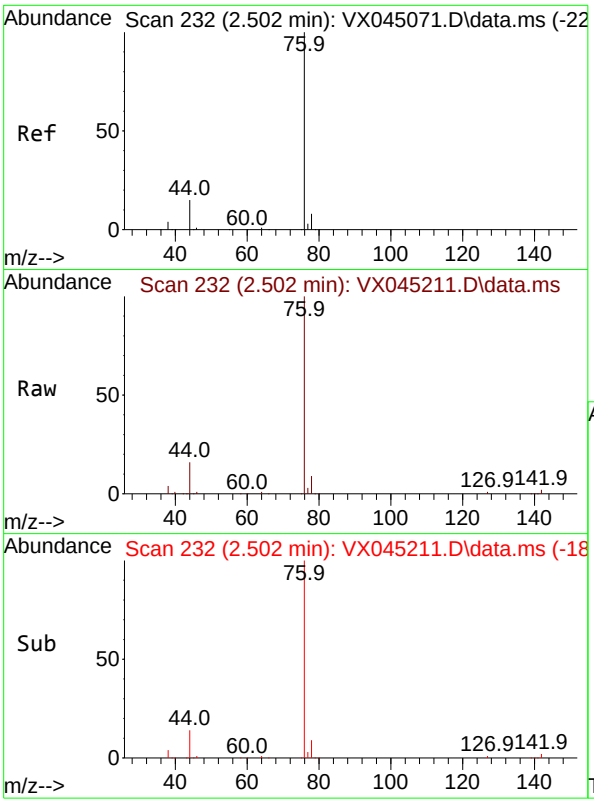


#16
Acetone
Concen: 258.004 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 43 Resp: 192994

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.2	36.4

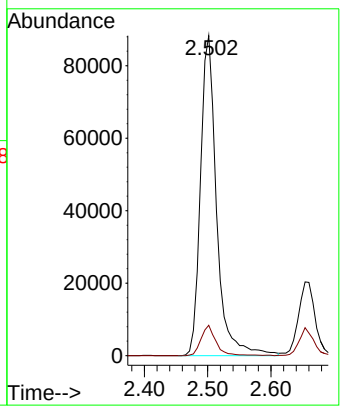




#17
Carbon Disulfide
Concen: 47.279 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 76 Resp: 15683

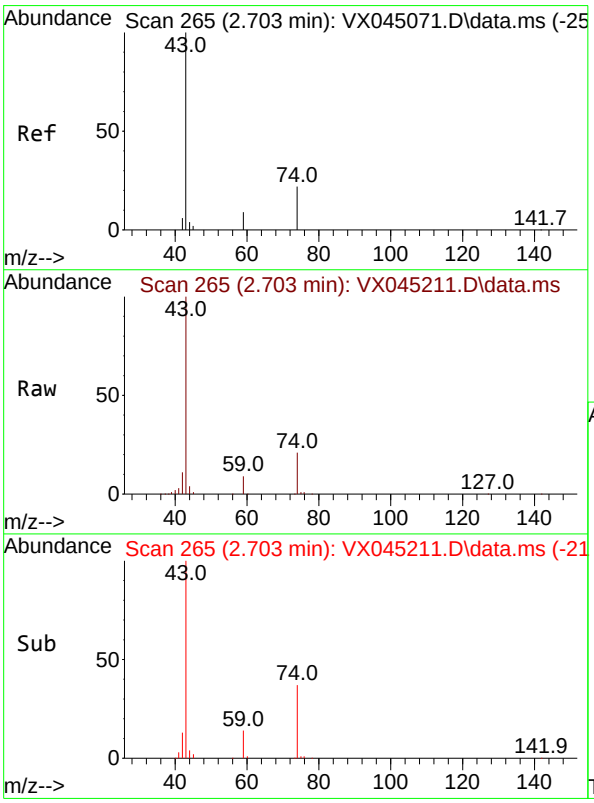
Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

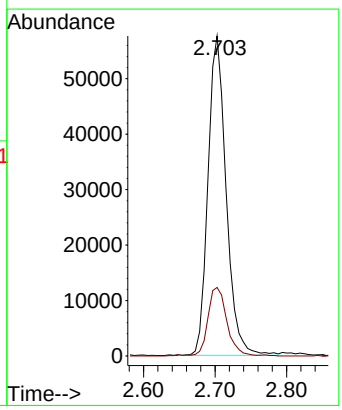
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

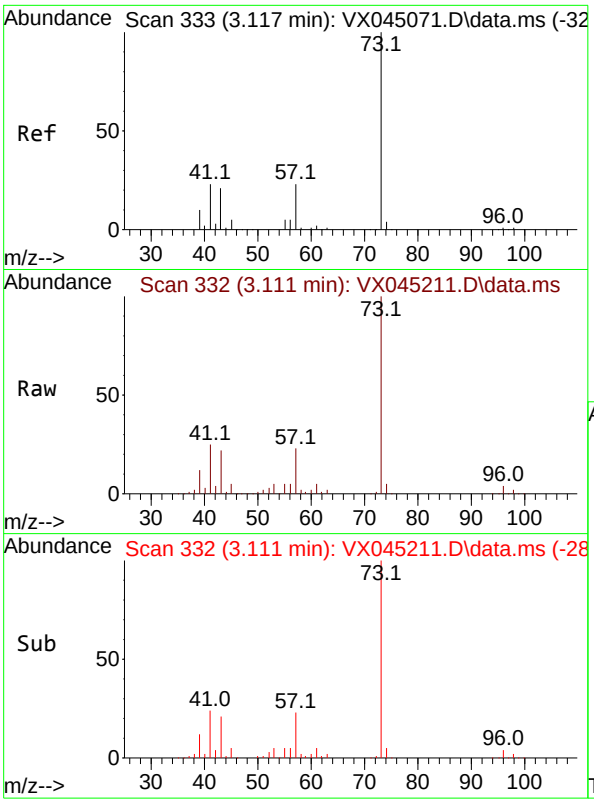


#18
Methyl Acetate
Concen: 56.465 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 43 Resp: 101610

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 49.992 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

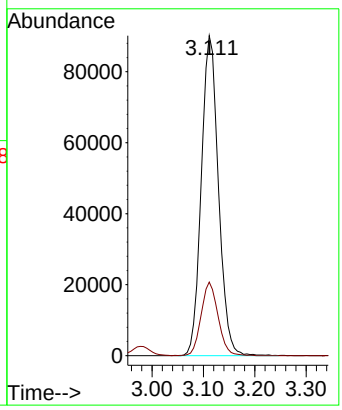
Tgt Ion: 73 Resp: 20889

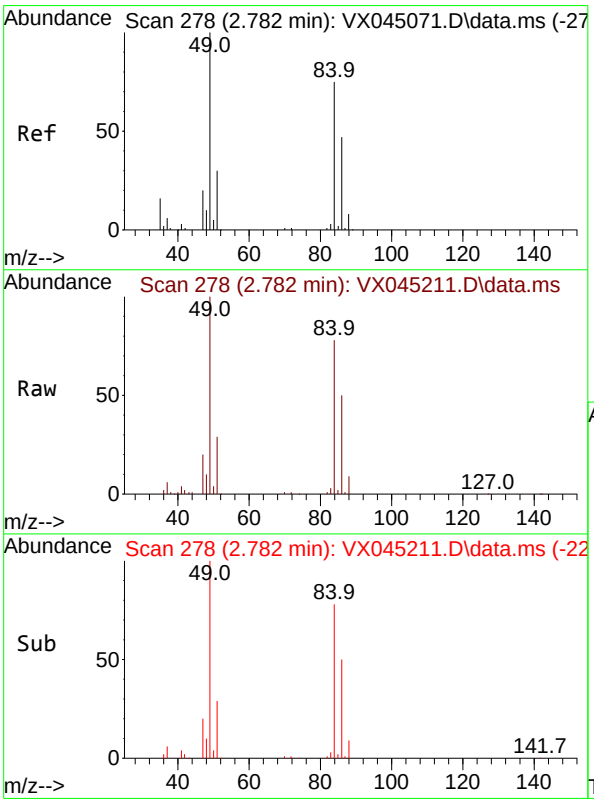
Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

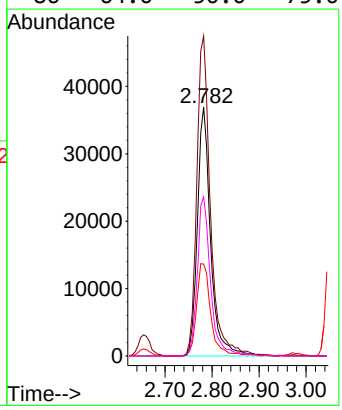


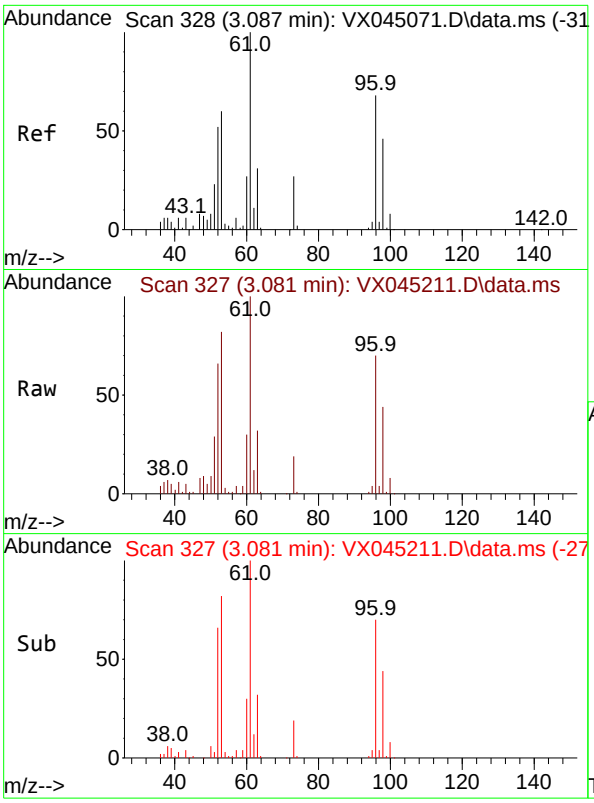


#20
Methylene Chloride
Concen: 48.811 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 84 Resp: 72325

Ion	Ratio	Lower	Upper
84	100		
49	128.7	106.5	159.7
51	37.0	32.1	48.1
86	64.0	50.0	75.0

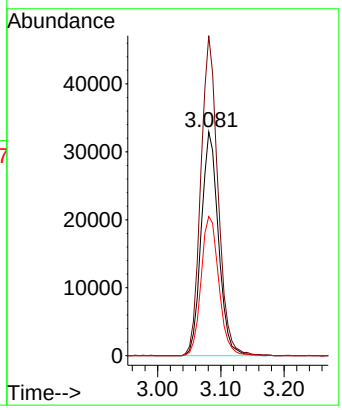




#21
trans-1,2-Dichloroethene
Concen: 50.781 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 96 Resp: 6248

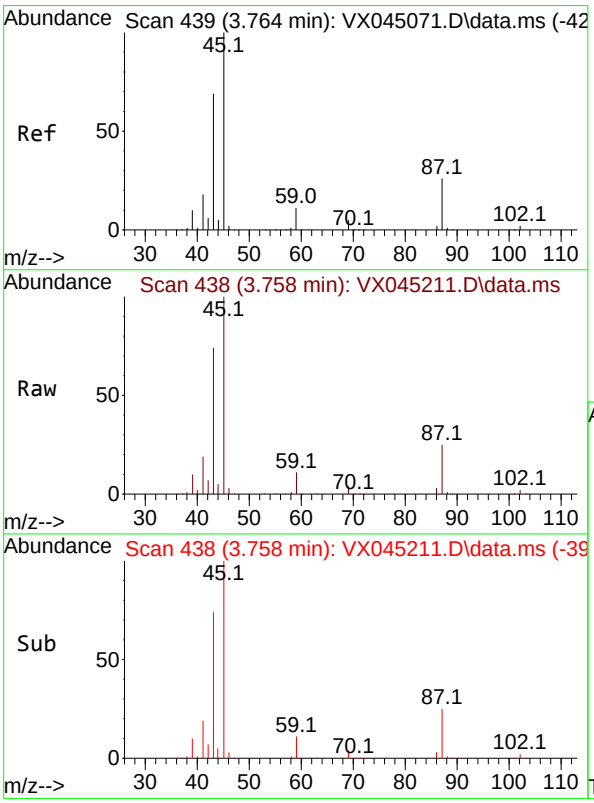
Ion	Ratio	Lower	Upper
96	100		
61	143.0	117.0	175.4
98	62.2	53.4	80.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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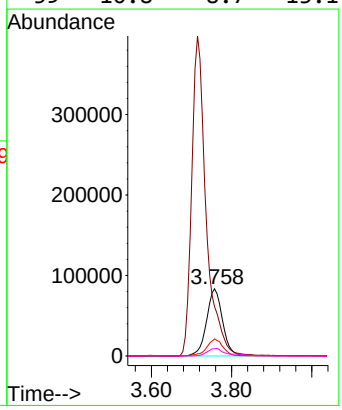
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

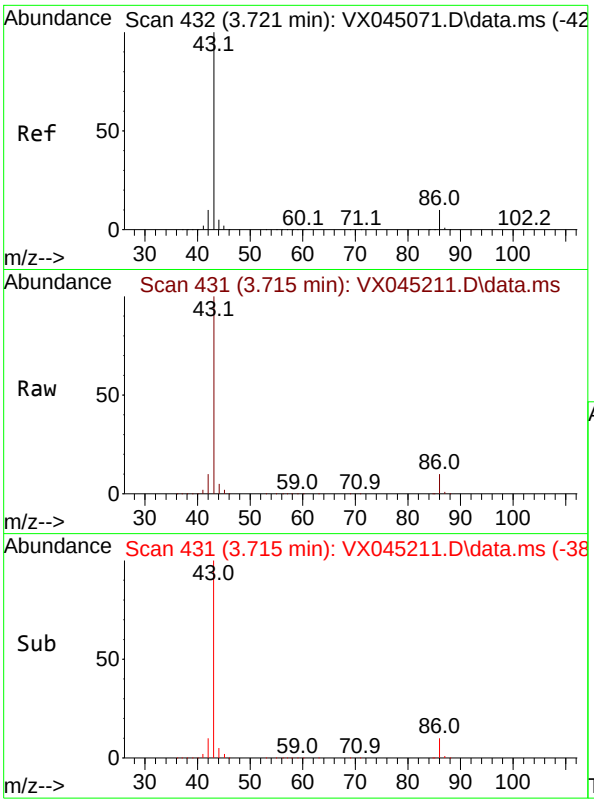


#22
Diisopropyl ether
Concen: 51.685 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 45 Resp: 233037

Ion	Ratio	Lower	Upper
45	100		
43	73.5	54.9	82.3
87	25.3	21.0	31.4
59	10.8	8.7	13.1





#23
Vinyl Acetate
Concen: 264.646 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

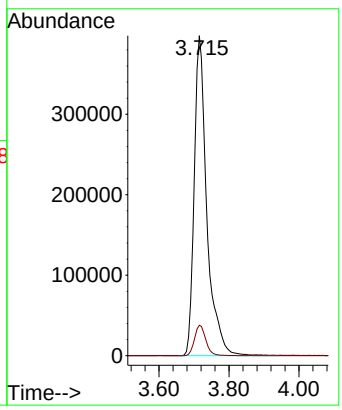
Tgt Ion: 43 Resp: 99576

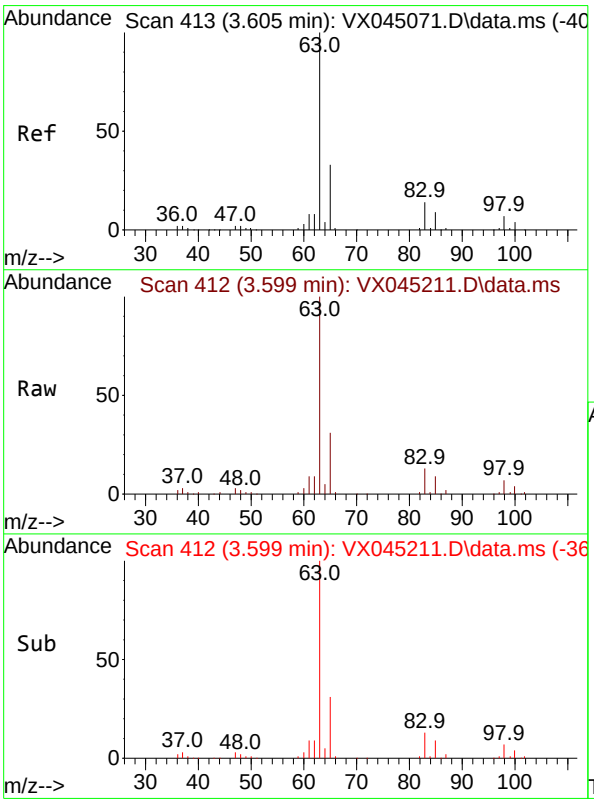
Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

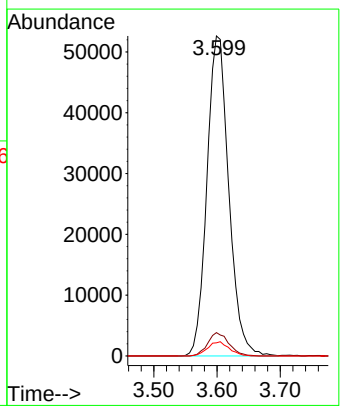


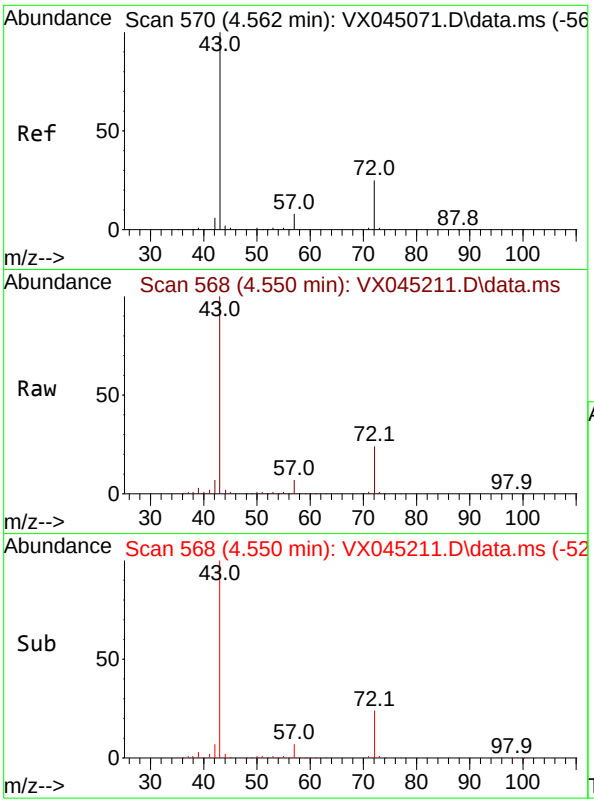


#24
1,1-Dichloroethane
Concen: 49.921 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 63 Resp: 126144

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	4.1	2.1	6.5





#25
2-Butanone
Concen: 261.614 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

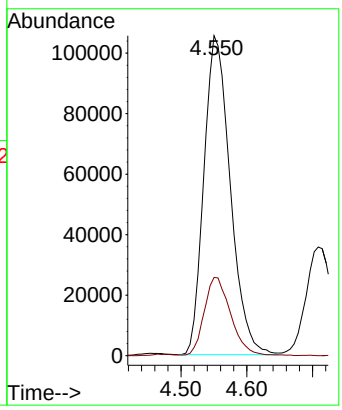
Tgt Ion: 43 Resp: 29456

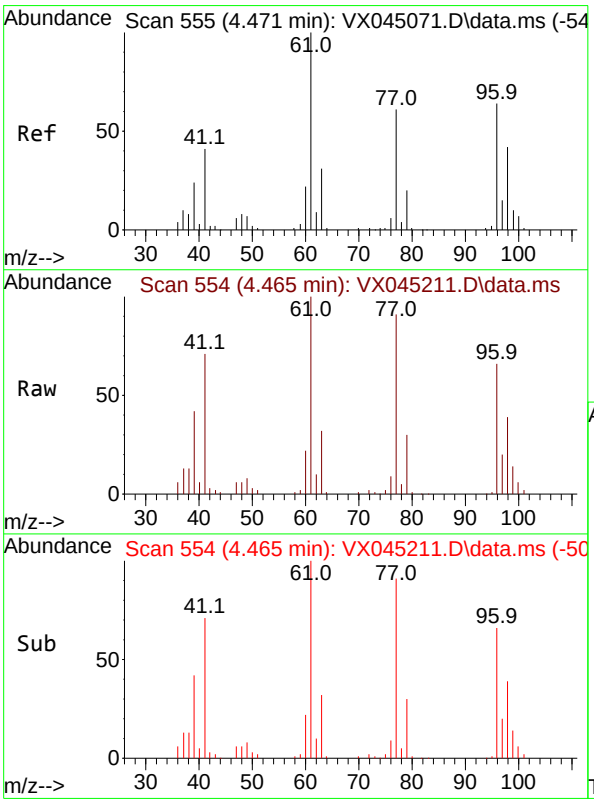
Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

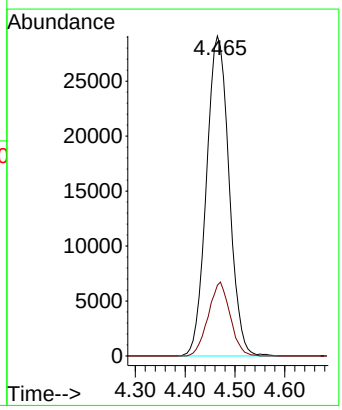


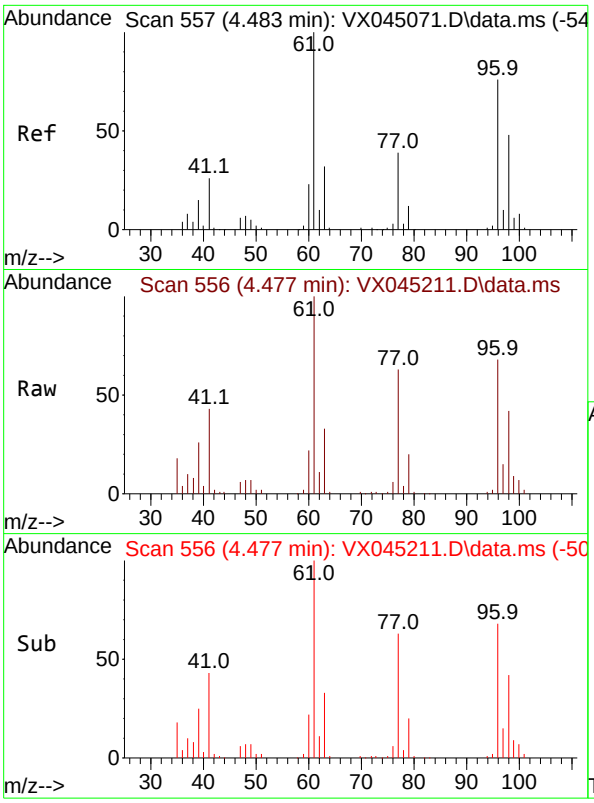


#26
2,2-Dichloropropane
Concen: 77.390 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 77 Resp: 91726

Ion	Ratio	Lower	Upper
77	100		
97	22.3	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 50.382 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

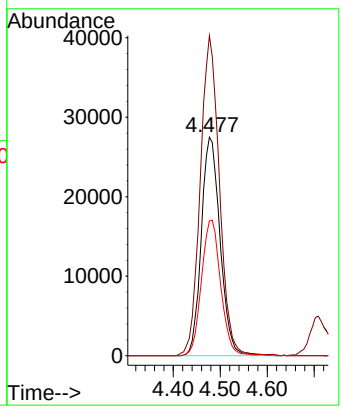
Tgt Ion: 96 Resp: 7652

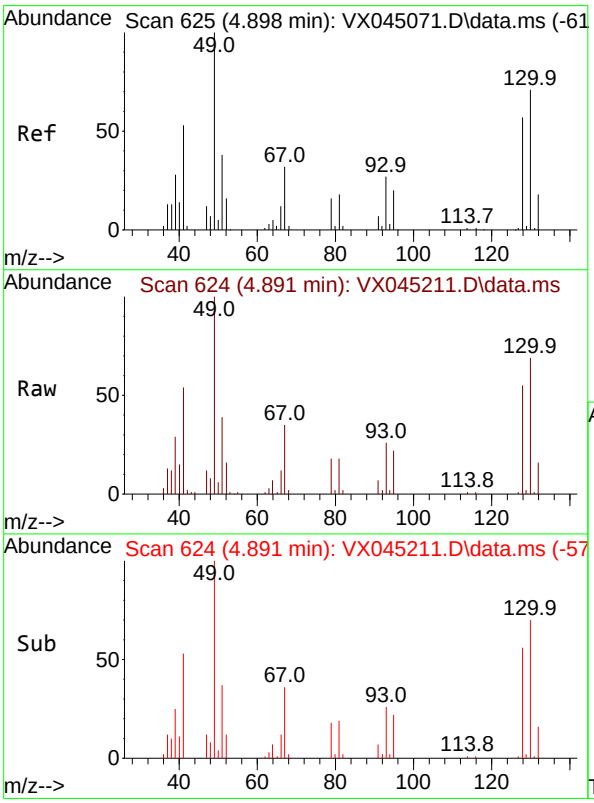
Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	283.2
98	63.1	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

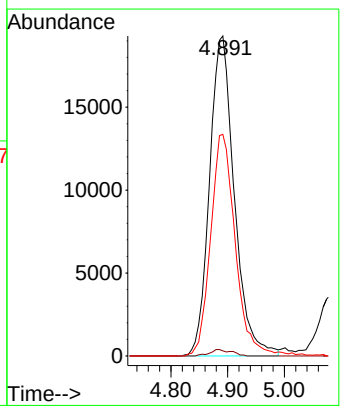


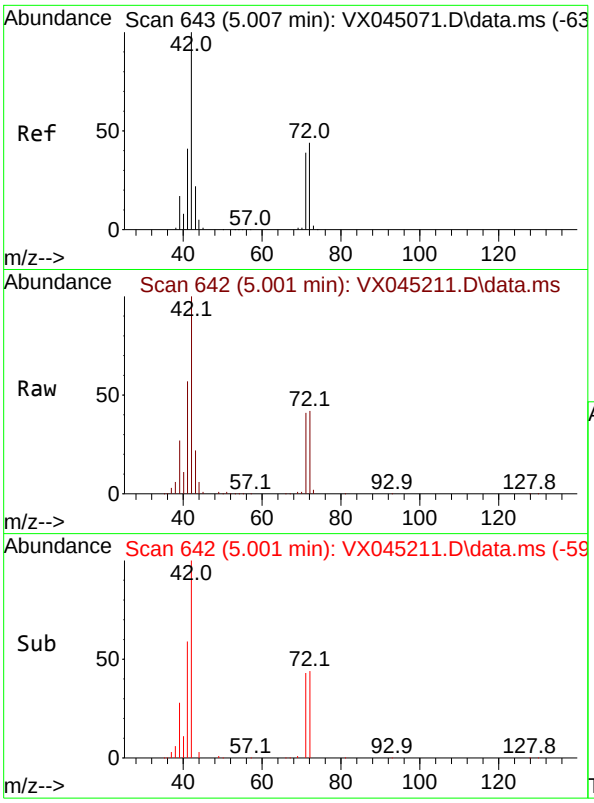


#28
Bromochloromethane
Concen: 48.726 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 49 Resp: 58687

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	69.2	56.1	84.1

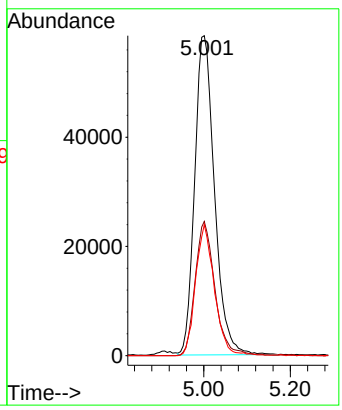




#29
Tetrahydrofuran
Concen: 245.874 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 42 Resp: 18591

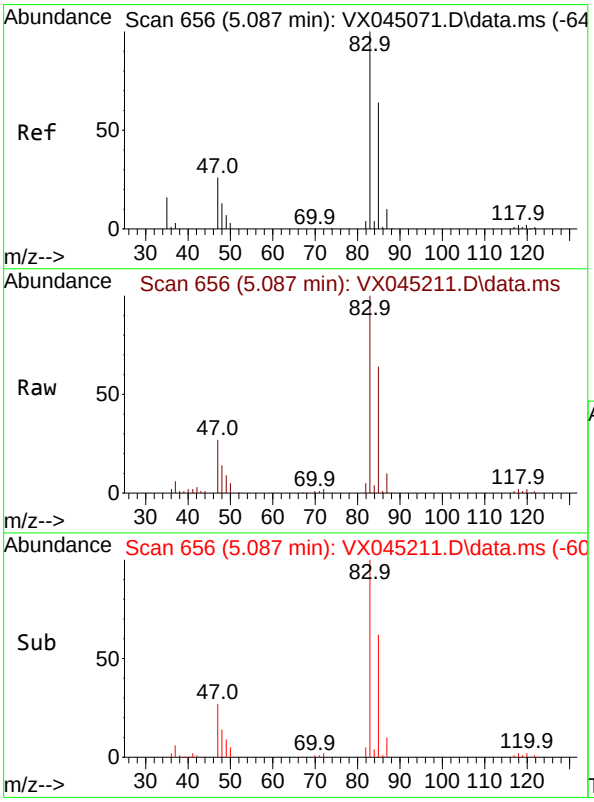
Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	39.0	31.4	47.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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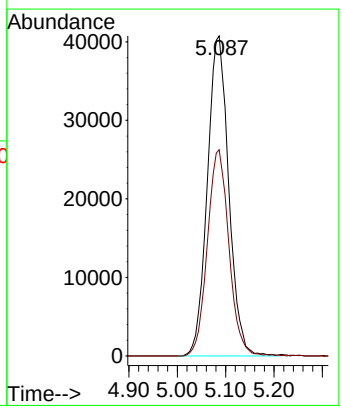
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

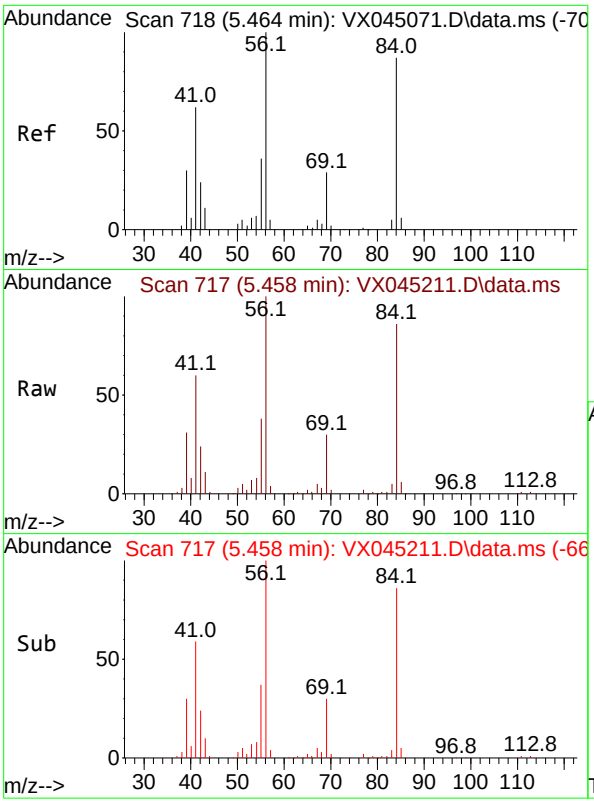


#30
Chloroform
Concen: 49.818 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 83 Resp: 125081

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2





#31
Cyclohexane
Concen: 51.345 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

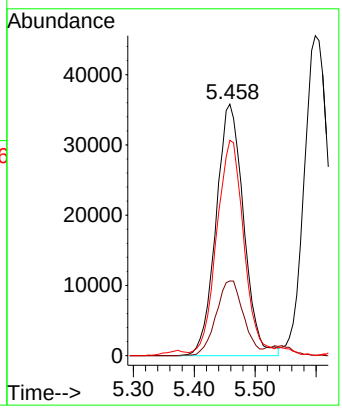
Tgt Ion: 56 Resp: 11262

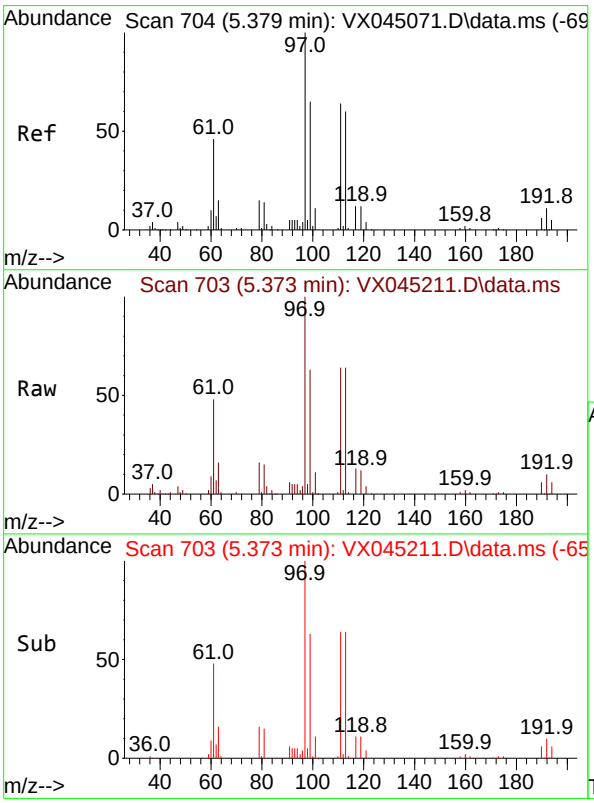
Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.4	35.2
84	83.4	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

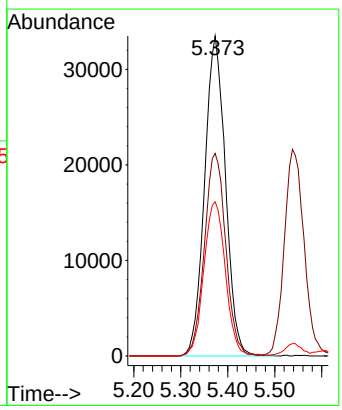


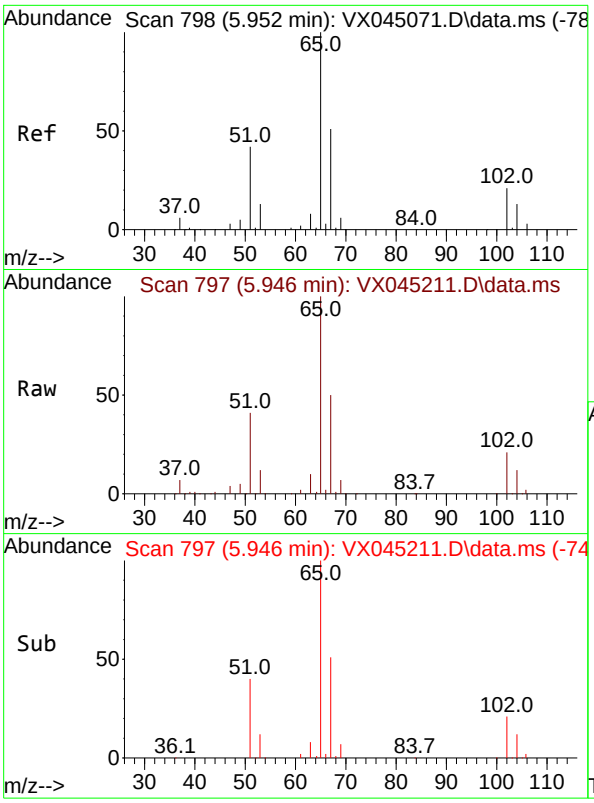


#32
1,1,1-Trichloroethane
Concen: 50.816 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 97 Resp: 103045

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	50.2	38.4	57.6

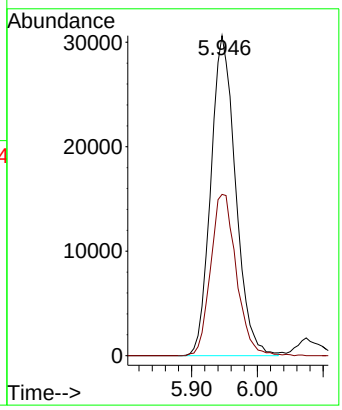




#33
1,2-Dichloroethane-d4
Concen: 49.818 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 65 Resp: 8031

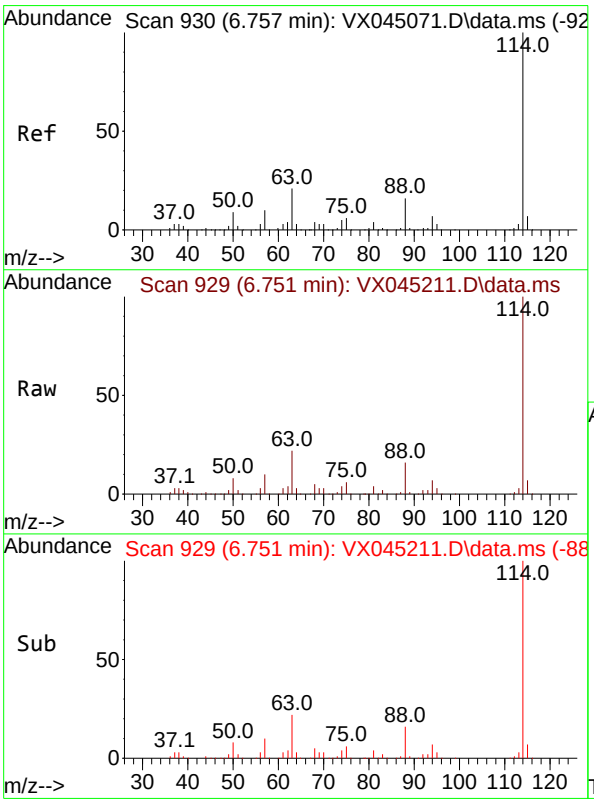
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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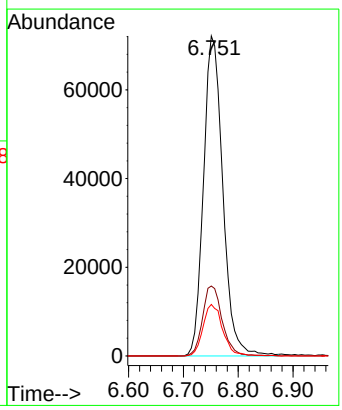
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

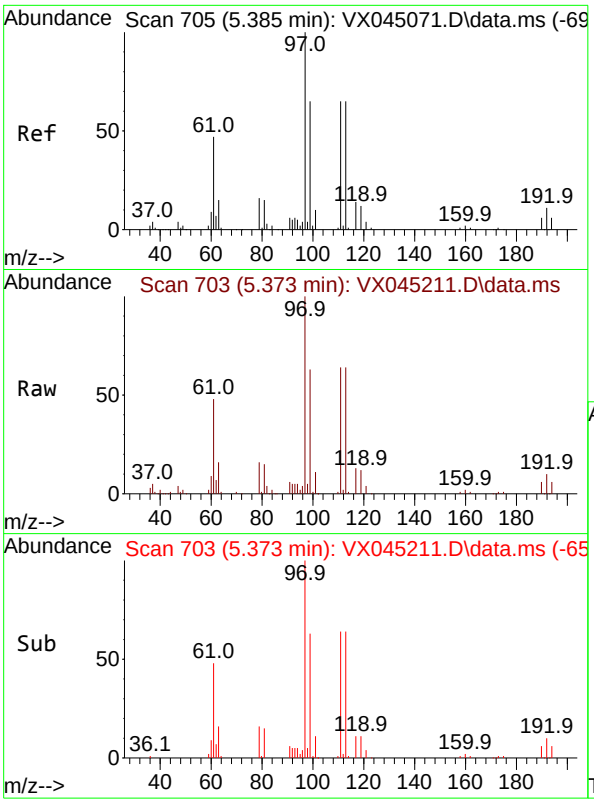


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:114 Resp: 176548

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	41.8
88	16.1	0.0	32.8

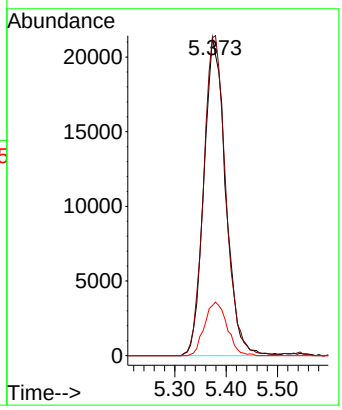




#35
Dibromofluoromethane
Concen: 53.104 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:113 Resp: 6269

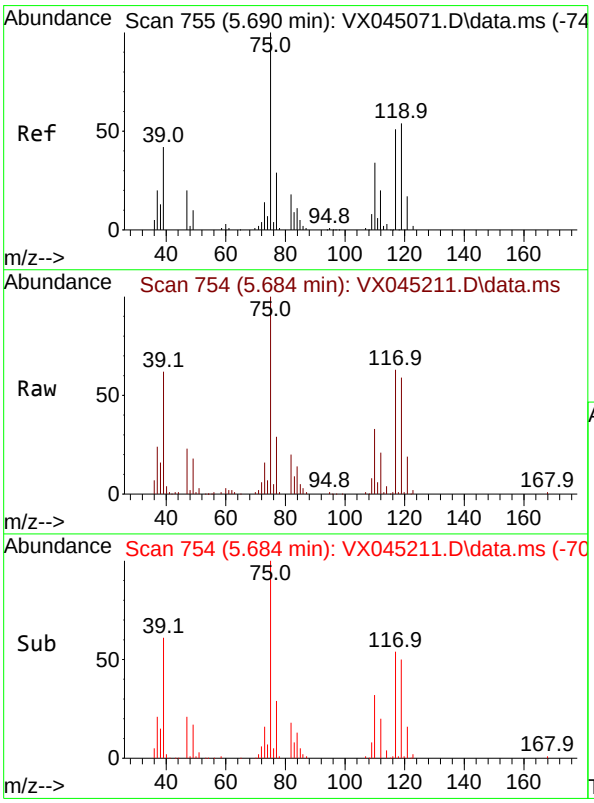
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.6
192	17.4	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

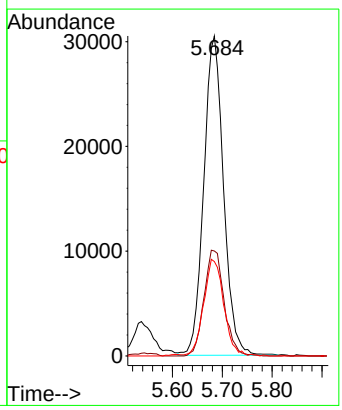
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

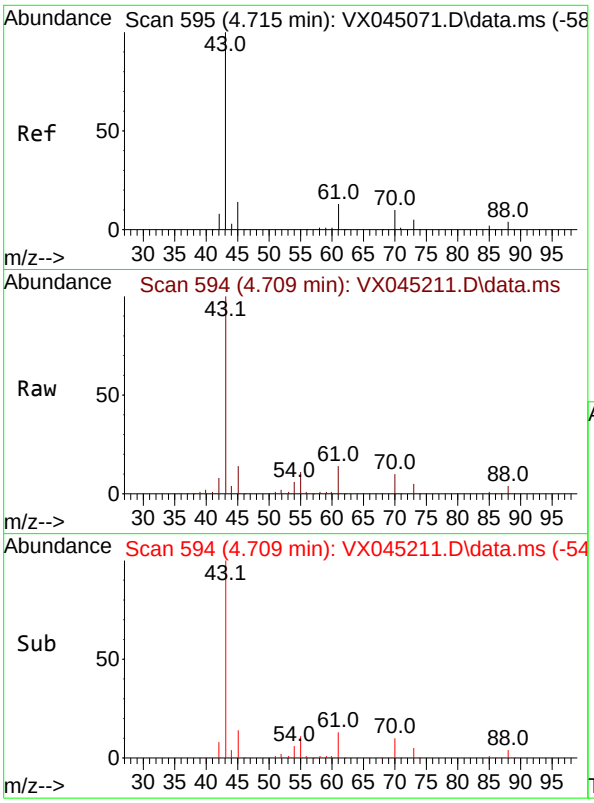


#36
1,1-Dichloropropene
Concen: 51.860 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 75 Resp: 83960

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.3	24.5	36.7





#37
Ethyl Acetate
Concen: 51.851 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

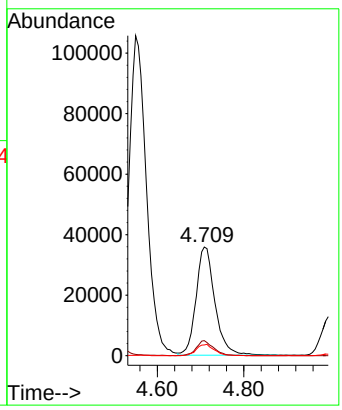
Tgt Ion: 43 Resp: 10817

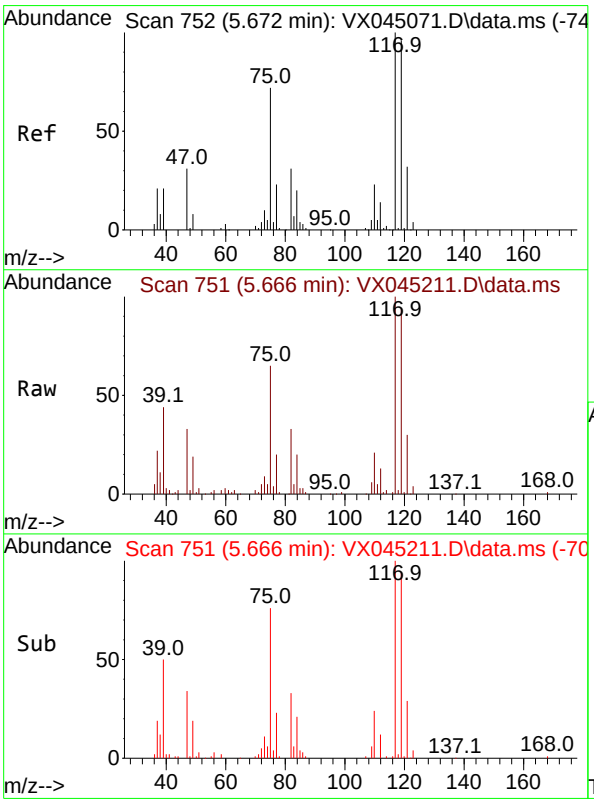
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.8	16.2
70	10.0	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

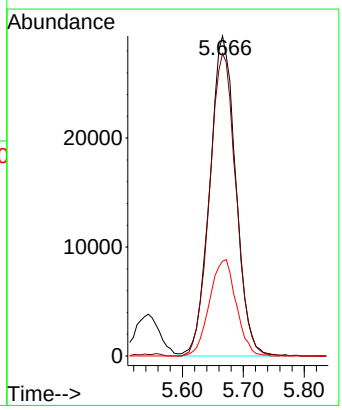


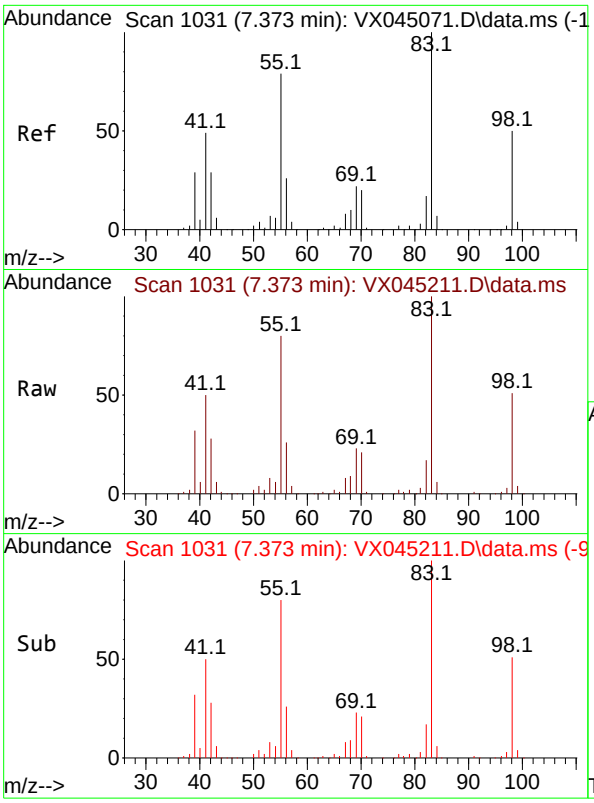


#38
Carbon Tetrachloride
Concen: 52.948 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:117 Resp: 87028

Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.7	115.1
121	29.6	25.5	38.3

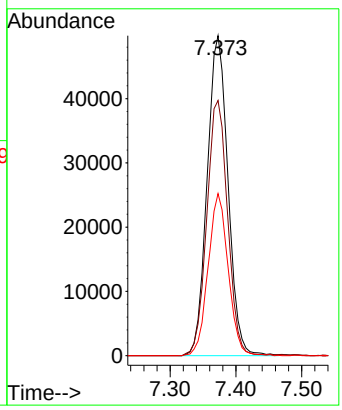




#39
Methylcyclohexane
Concen: 56.638 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 83 Resp: 10987

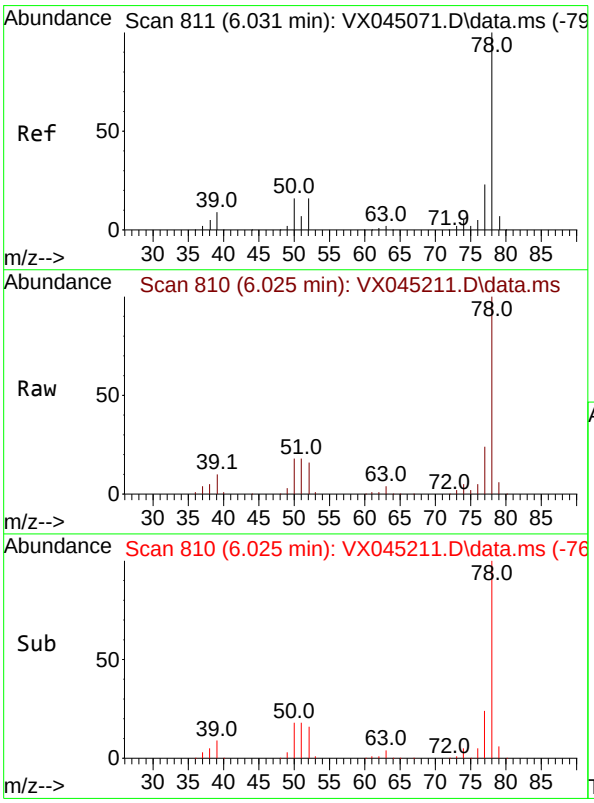
Ion	Ratio	Lower	Upper
83	100		
55	79.8	63.0	94.4
98	50.7	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

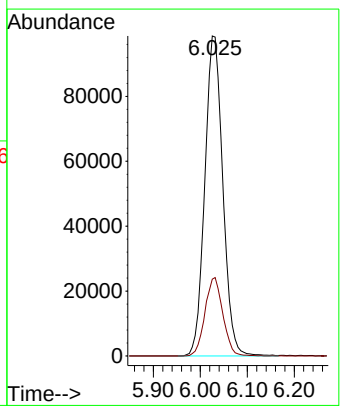
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

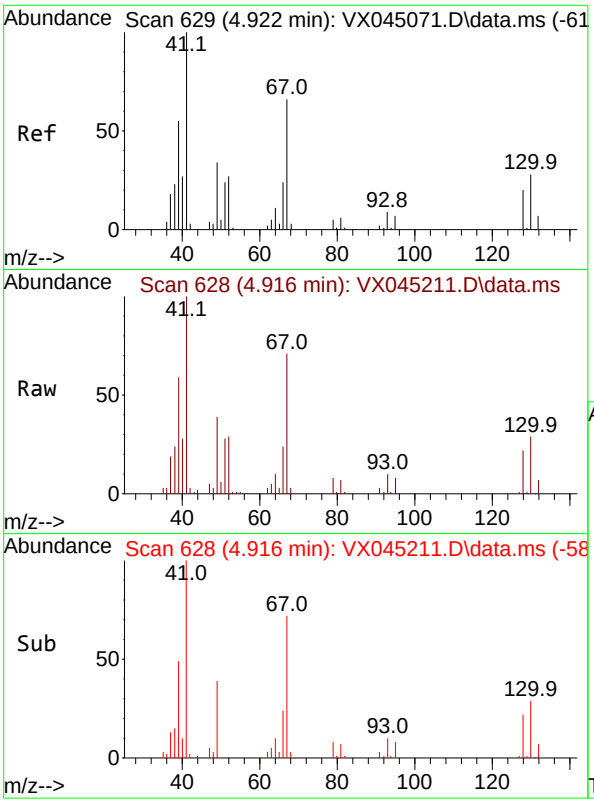


#40
Benzene
Concen: 51.320 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 78 Resp: 262366

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2

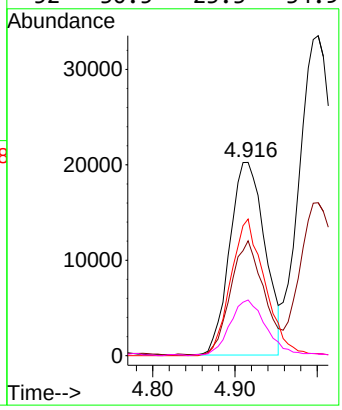




#41
Methacrylonitrile
Concen: 53.315 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 41 Resp: 6014

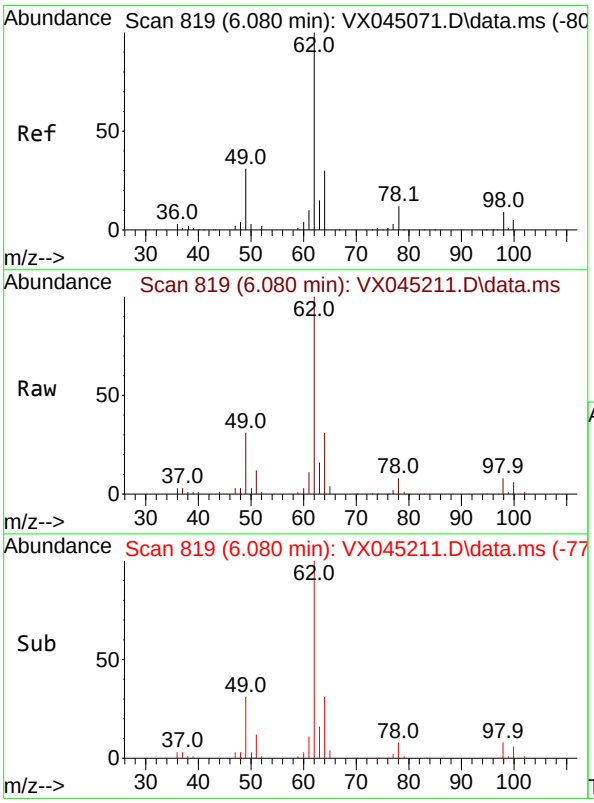
Ion	Ratio	Lower	Upper
41	100		
39	56.5	44.6	67.0
67	69.3	53.9	80.9
52	30.5	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

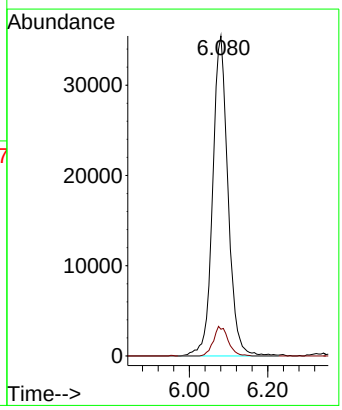
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

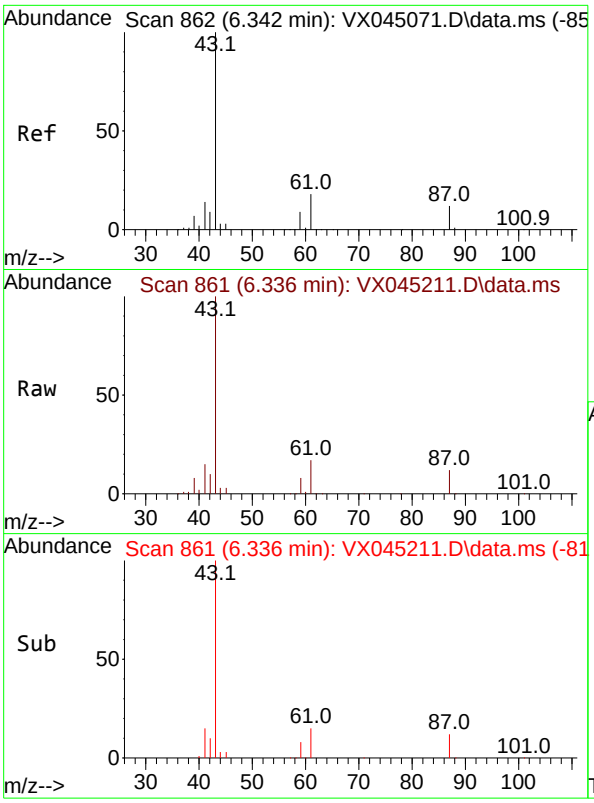


#42
1,2-Dichloroethane
Concen: 52.356 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 62 Resp: 96385

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2





#43
Isopropyl Acetate
Concen: 54.564 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

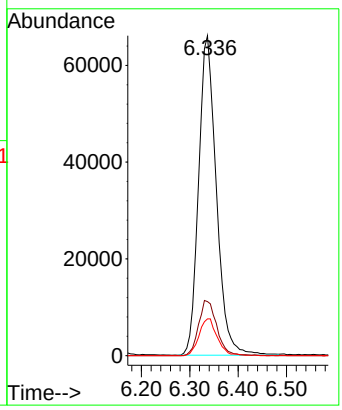
Tgt Ion: 43 Resp: 16832

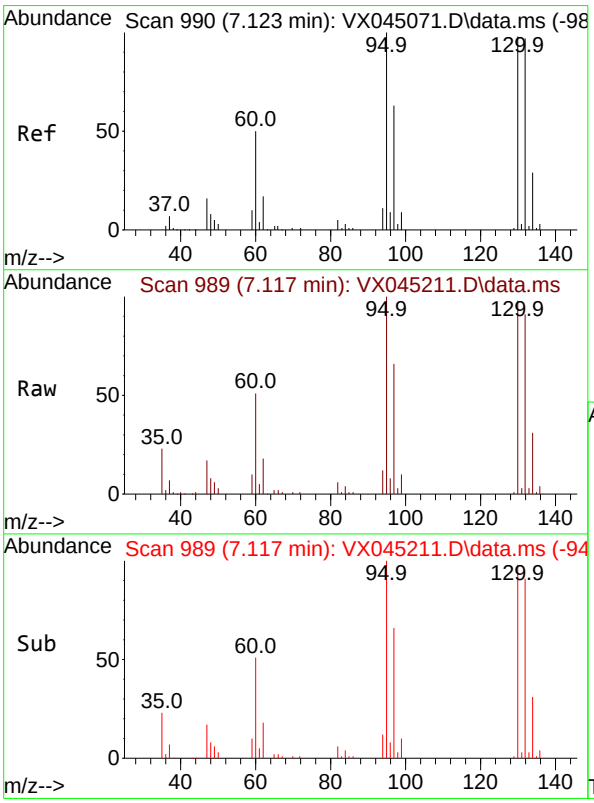
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.9	22.3
87	11.9	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

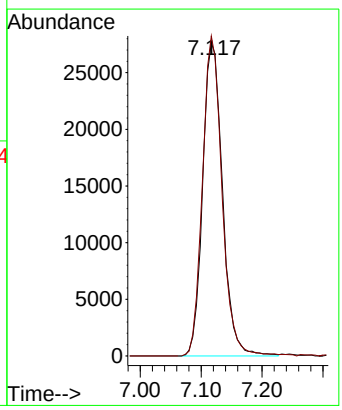


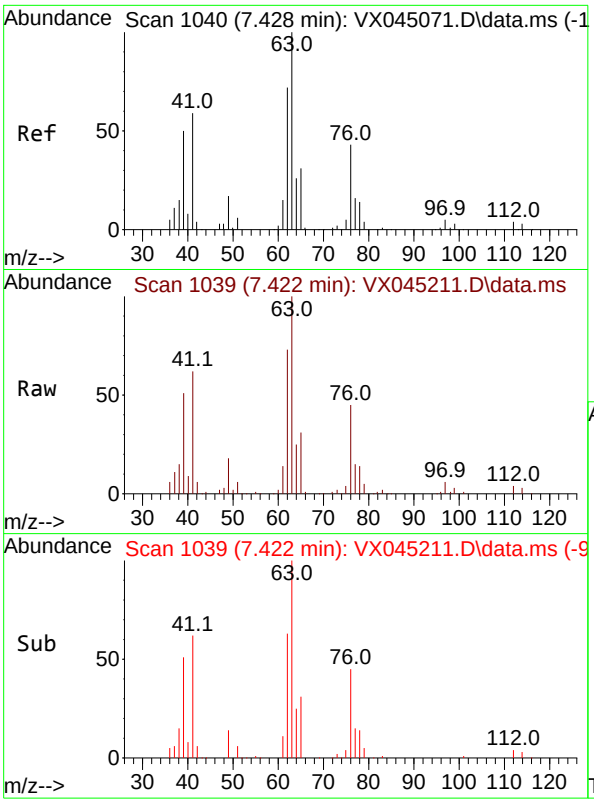


#44
Trichloroethene
Concen: 52.042 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:130 Resp: 62473

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	205.0





#45
1,2-Dichloropropane
Concen: 50.991 ug/l
RT: 7.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

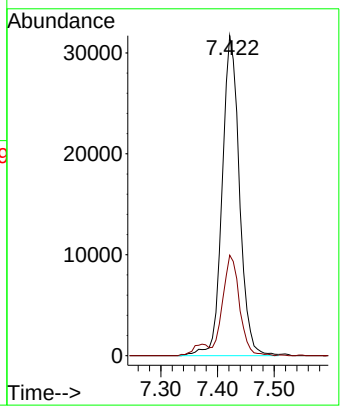
Tgt Ion: 63 Resp: 6702

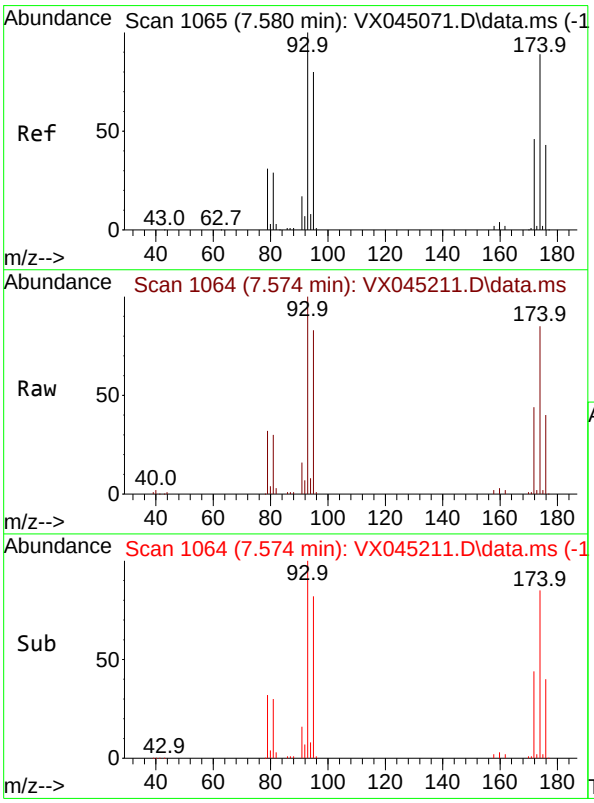
Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

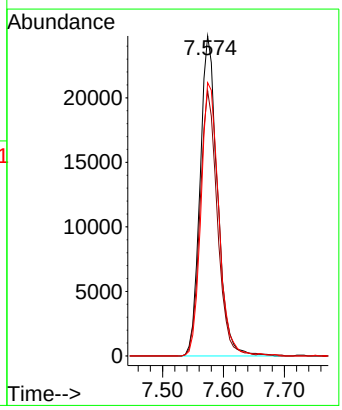


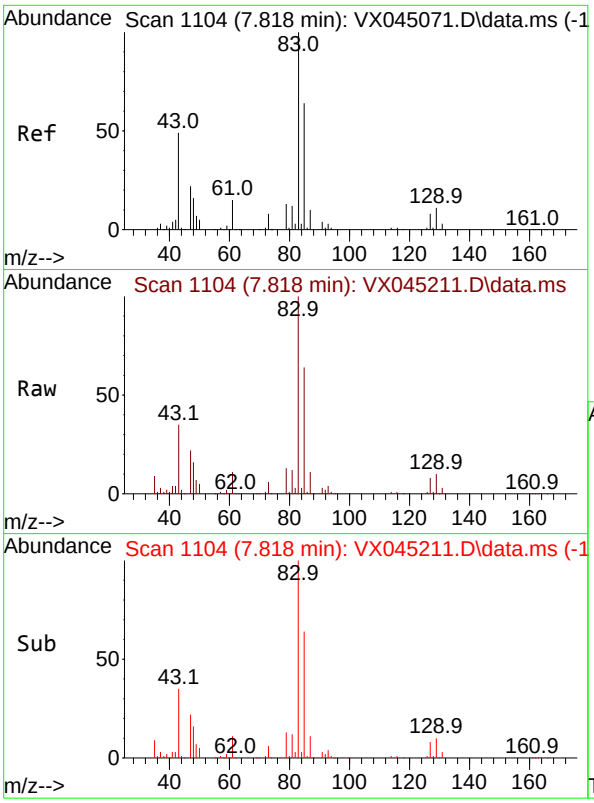


#46
Dibromomethane
Concen: 52.911 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 93 Resp: 49158

Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.8	98.8
174	87.6	72.2	108.2

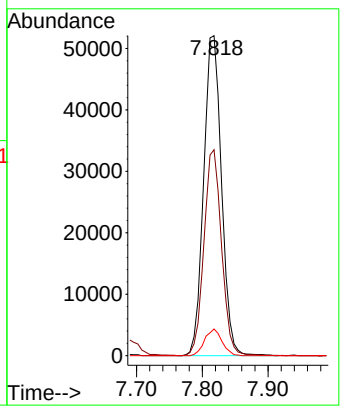




#47
Bromodichloromethane
Concen: 53.986 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 83 Resp: 9838

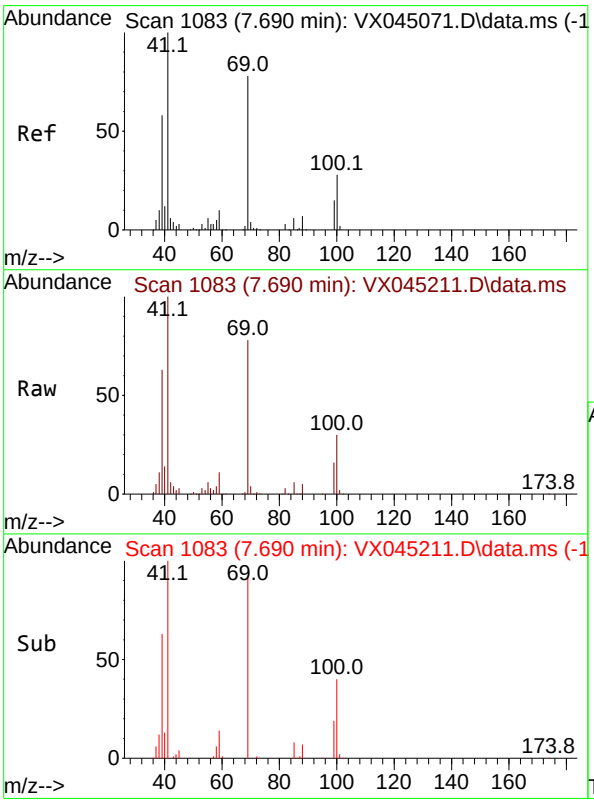
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7
127	8.4	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

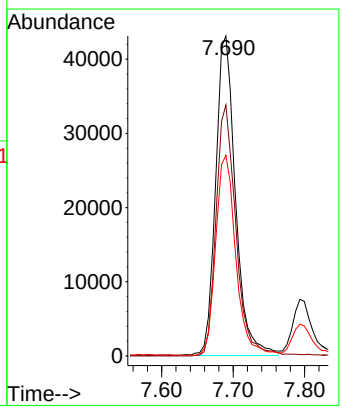
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

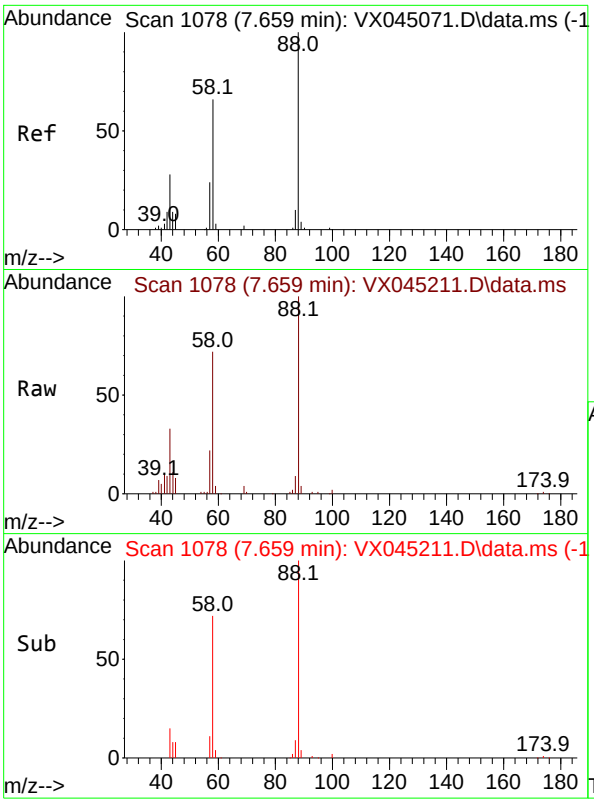


#48
Methyl methacrylate
Concen: 53.663 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 41 Resp: 83051

Ion	Ratio	Lower	Upper
41	100		
69	78.6	63.0	94.6
39	63.7	47.5	71.3





#49
1,4-Dioxane
Concen: 900.059 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

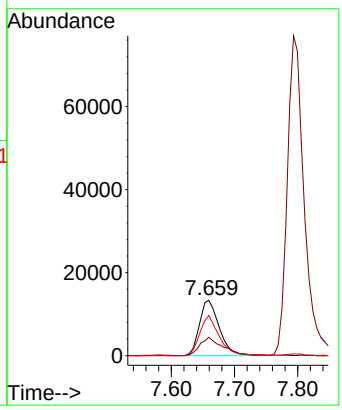
Tgt Ion: 88 Resp: 2938

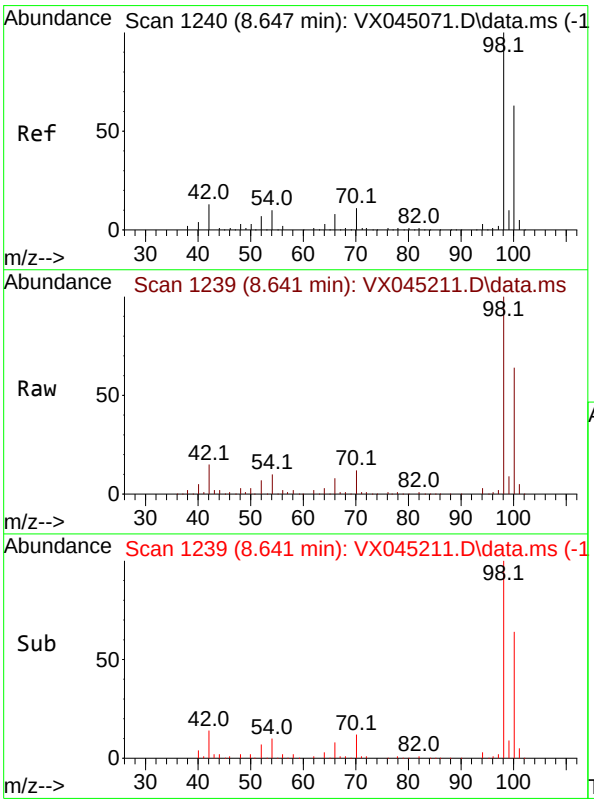
Ion	Ratio	Lower	Upper
88	100		
43	38.0	28.7	43.1
58	70.1	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

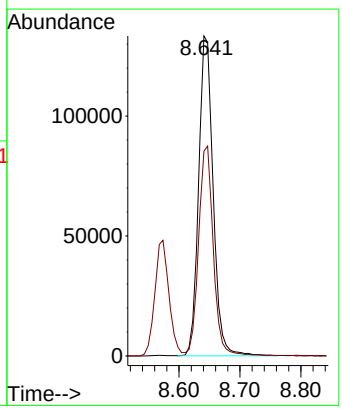


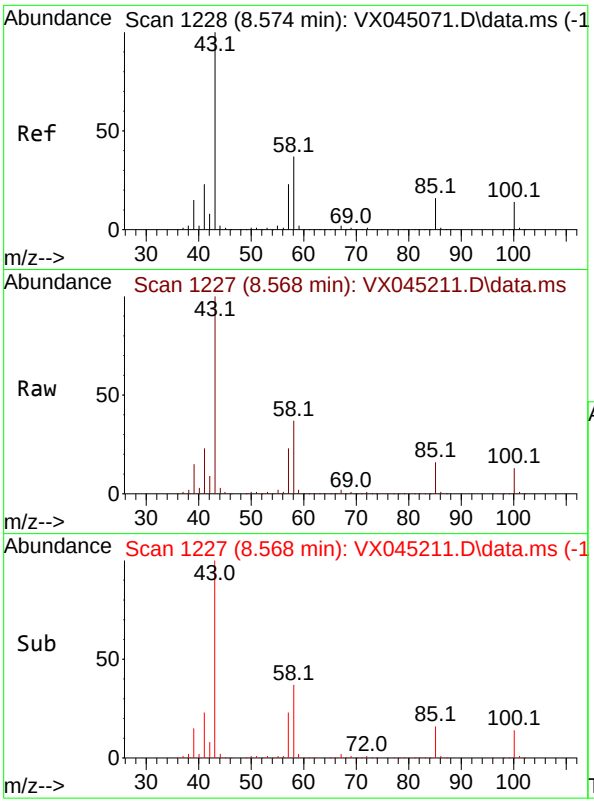


#50
Toluene-d8
Concen: 51.586 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 98 Resp: 220779

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.0	78.0

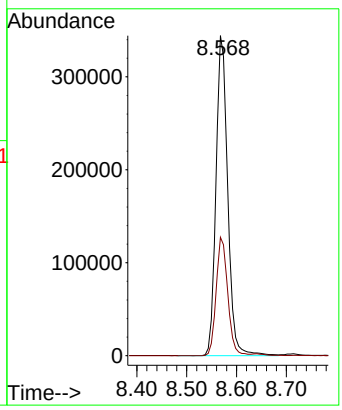




#51
4-Methyl-2-Pentanone
Concen: 271.045 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 43 Resp: 56141

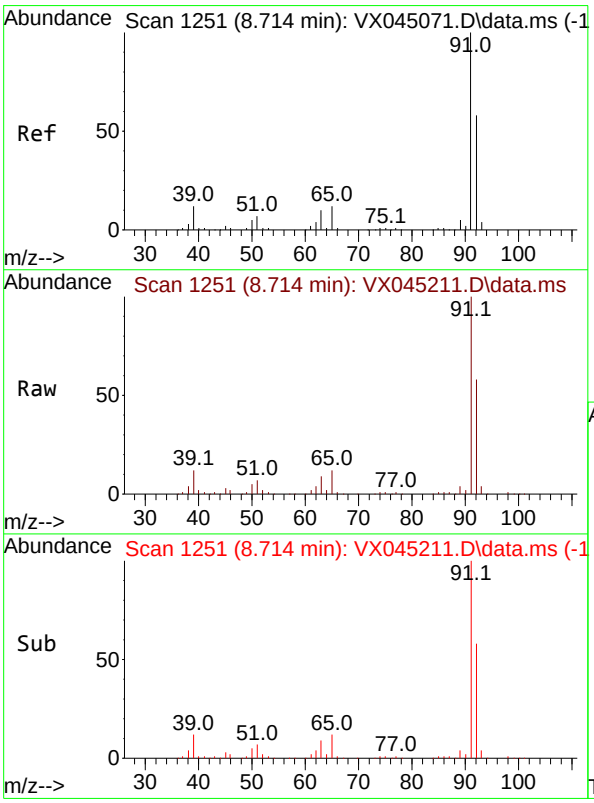
Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.2	43.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

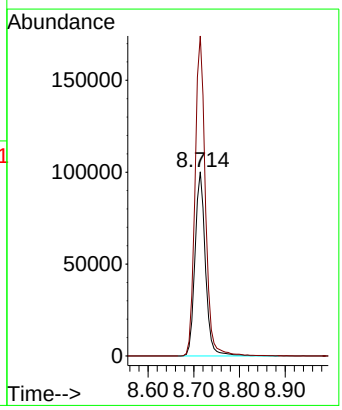
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

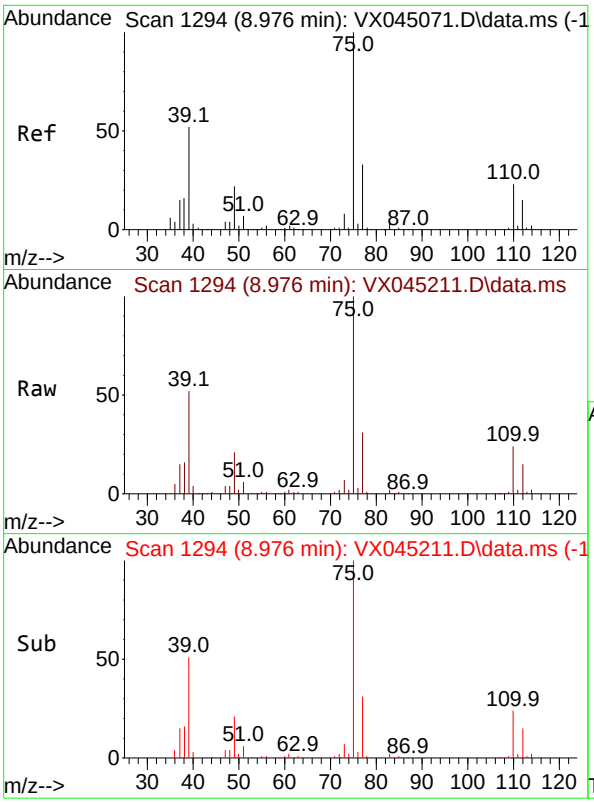


#52
Toluene
Concen: 52.972 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 92 Resp: 158892

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3

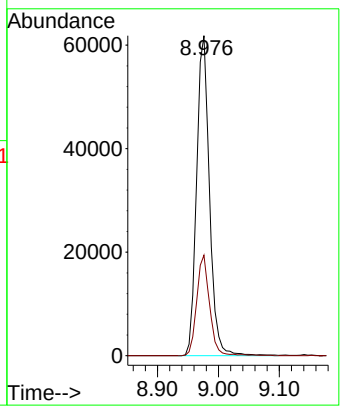




#53
t-1,3-Dichloropropene
Concen: 59.606 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 75 Resp: 9080

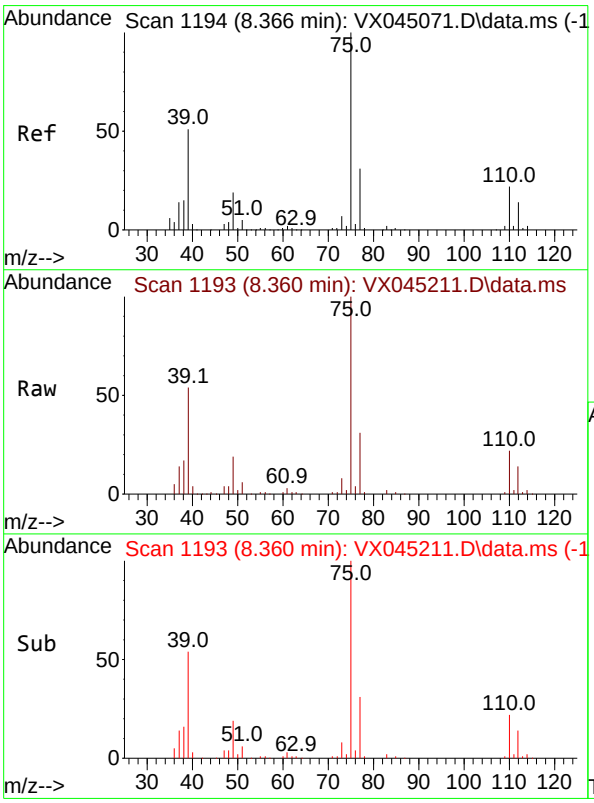
Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

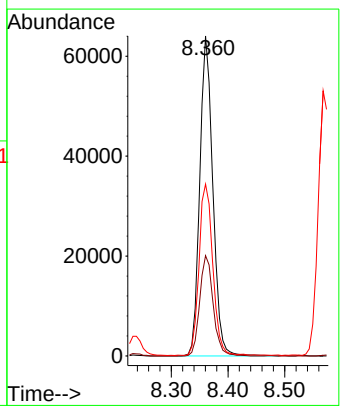
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

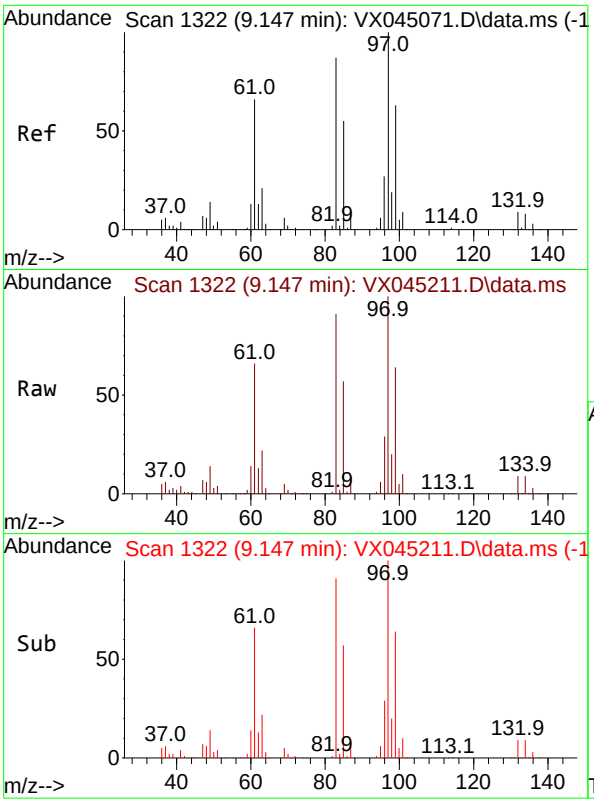


#54
cis-1,3-Dichloropropene
Concen: 57.592 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 75 Resp: 102314

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.7	37.1
39	53.4	40.7	61.1

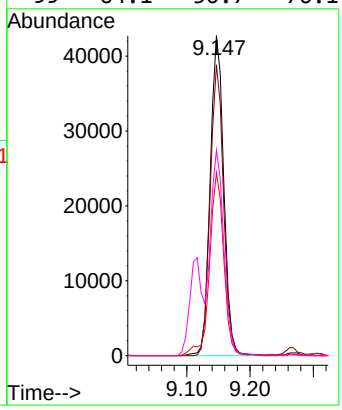




#55
1,1,2-Trichloroethane
Concen: 51.661 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 97 Resp: 6379

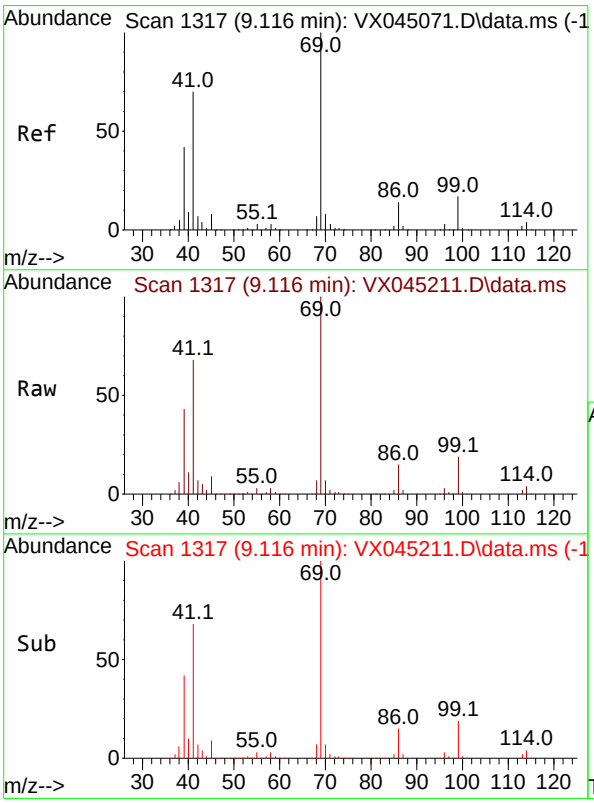
Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.4	104.2
85	57.2	44.1	66.1
99	64.1	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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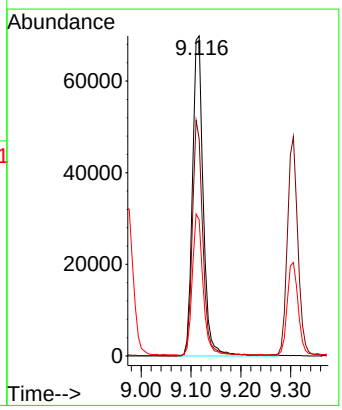
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

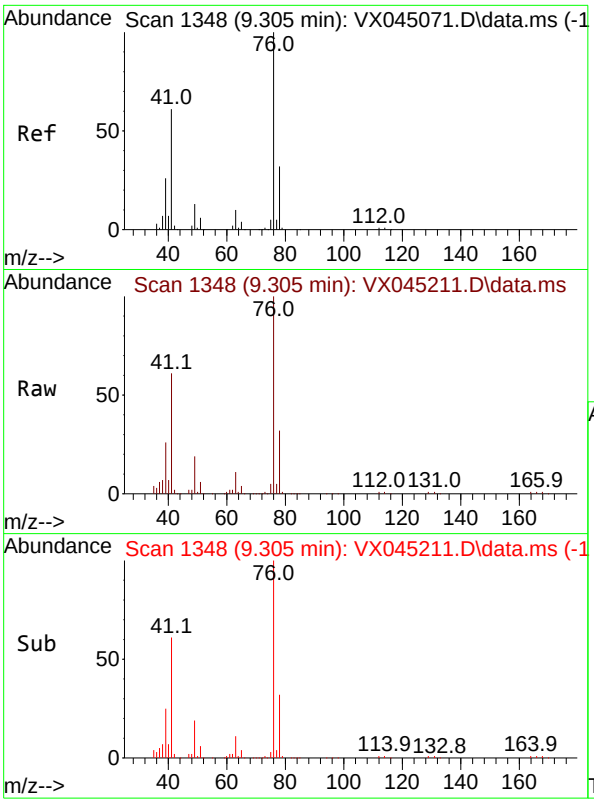


#56
Ethyl methacrylate
Concen: 55.894 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 69 Resp: 104915

Ion	Ratio	Lower	Upper
69	100		
41	71.9	57.0	85.4
39	44.3	34.2	51.4





#57
1,3-Dichloropropane
Concen: 52.131 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

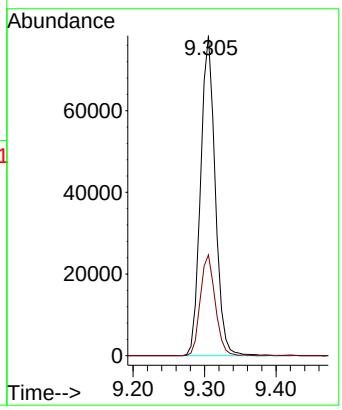
Tgt Ion: 76 Resp: 11140

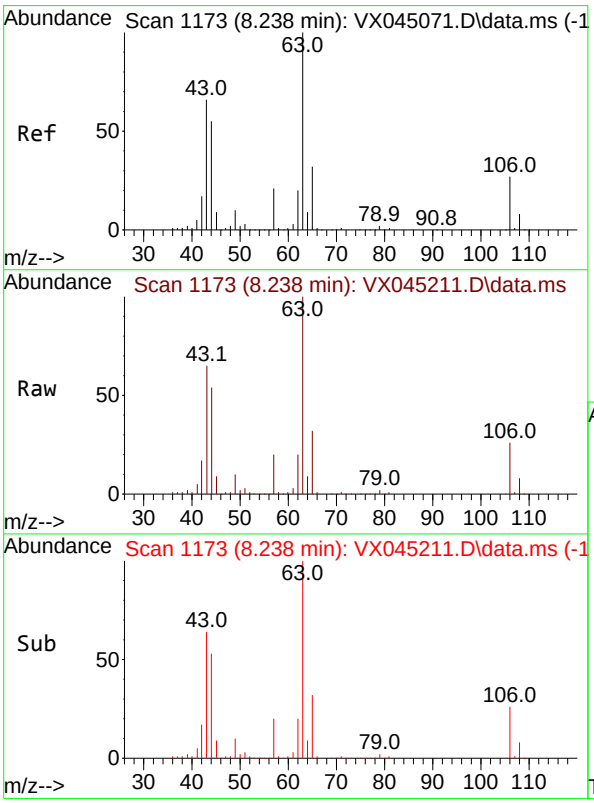
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

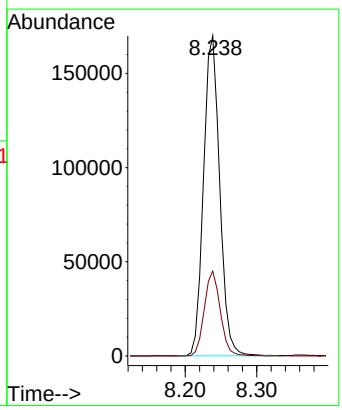


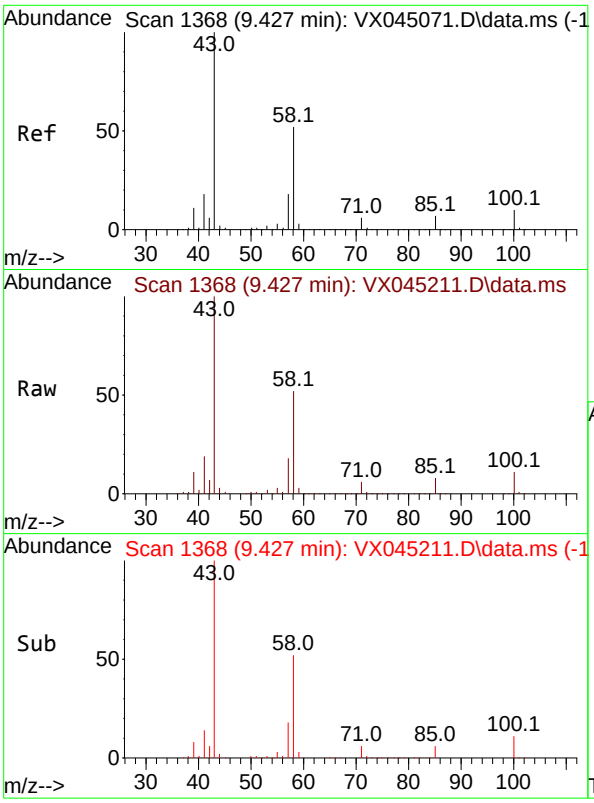


#58
2-Chloroethyl Vinyl ether
Concen: 291.597 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 63 Resp: 266994

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.5	32.3





#59
2-Hexanone
Concen: 269.382 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

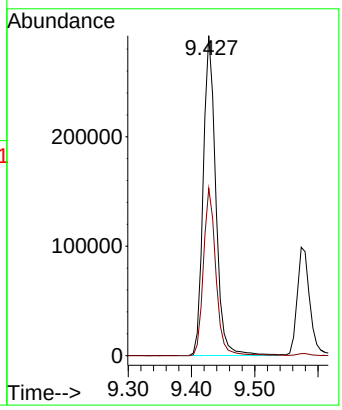
Tgt Ion: 43 Resp: 40427

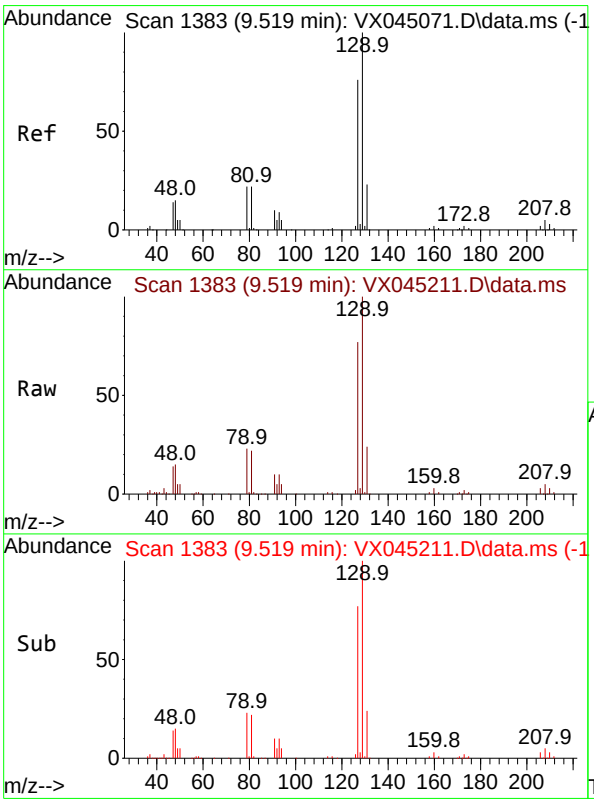
Ion	Ratio	Lower	Upper
43	100		
58	51.9	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

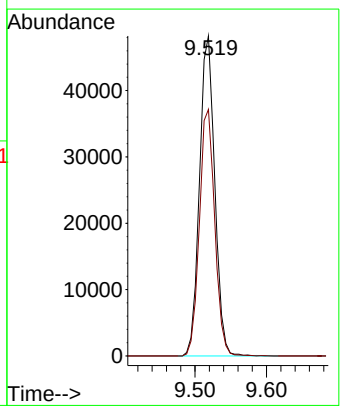


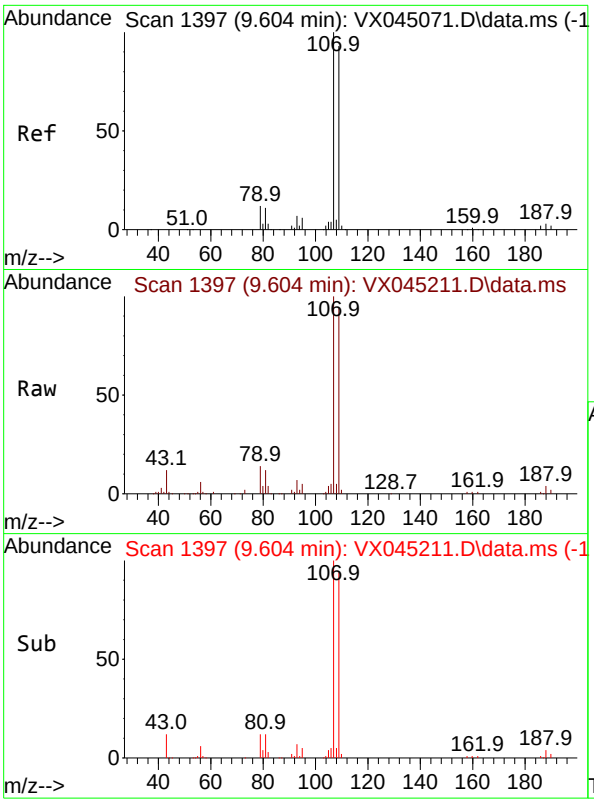


#60
Dibromochloromethane
Concen: 55.267 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:129 Resp: 71357

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.5	115.5





#61
1,2-Dibromoethane
Concen: 53.438 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

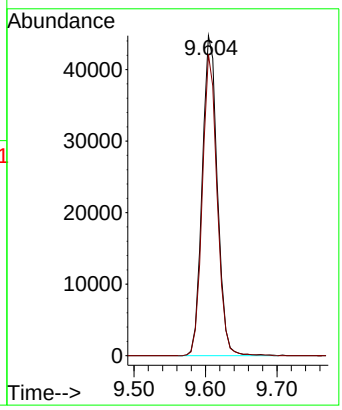
Tgt Ion:107 Resp: 6587

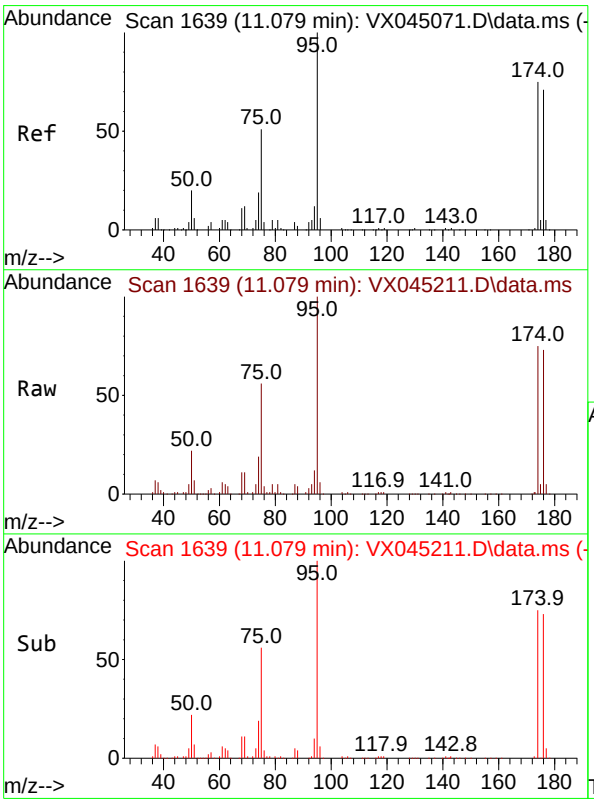
Ion	Ratio	Lower	Upper
107	100		
109	92.1	76.1	114.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

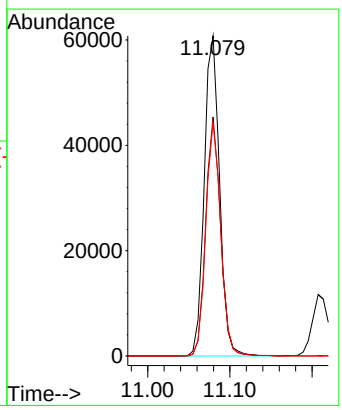


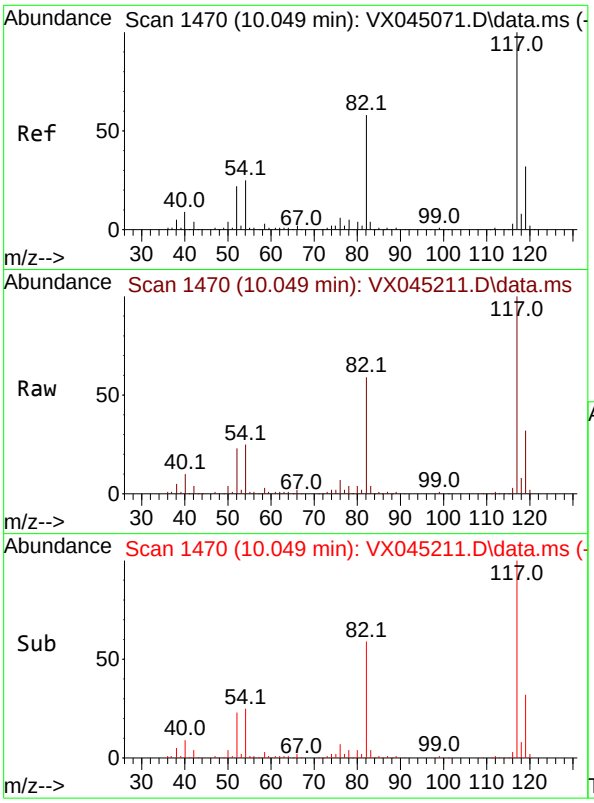


#62
4-Bromofluorobenzene
Concen: 55.511 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 95 Resp: 78726

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	148.2
176	70.8	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: VX045211.D
Acq: 11 Mar 2025 09:59

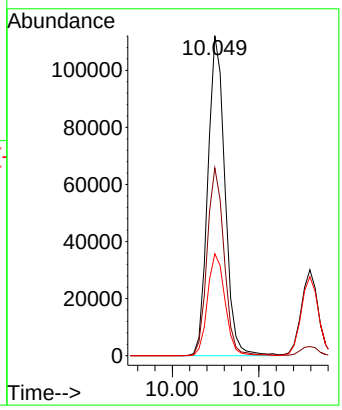
Tgt Ion:117 Resp: 15365

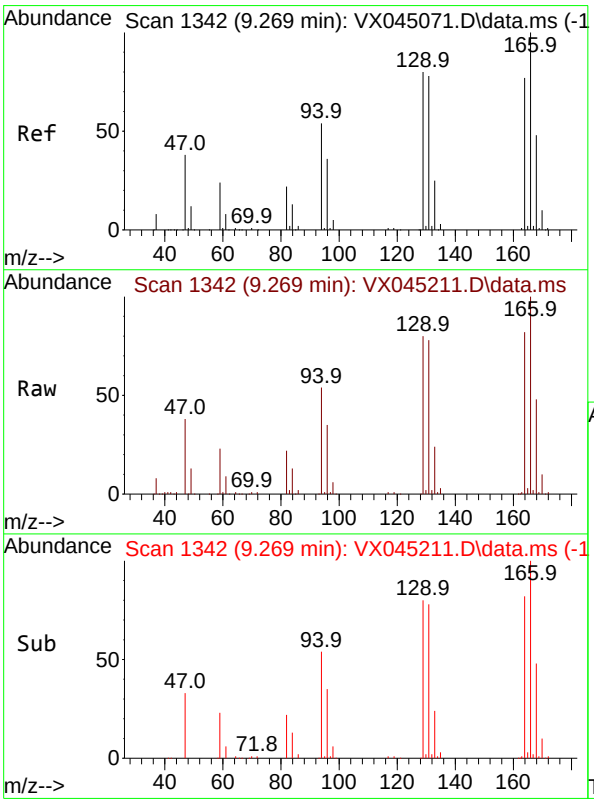
Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.3	69.5
119	31.8	25.7	38.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
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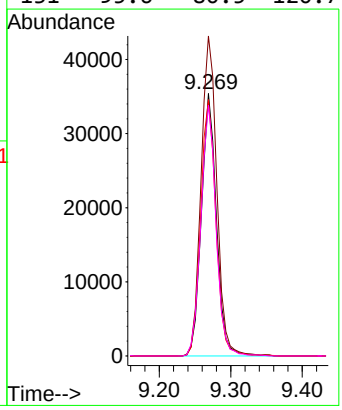


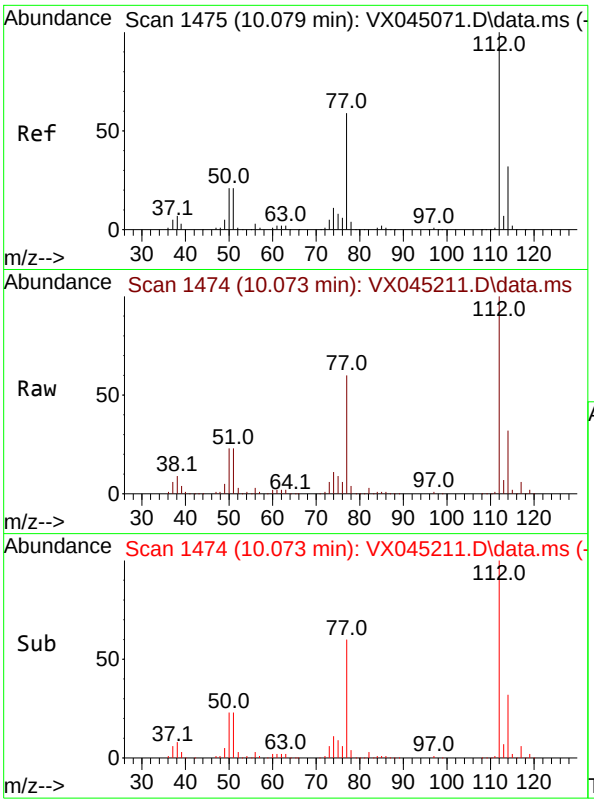


#64
Tetrachloroethene
Concen: 52.473 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:164 Resp: 51638

Ion	Ratio	Lower	Upper
164	100		
166	121.9	103.6	155.4
129	97.7	82.7	124.1
131	95.6	80.5	120.7





#65
Chlorobenzene
Concen: 52.928 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

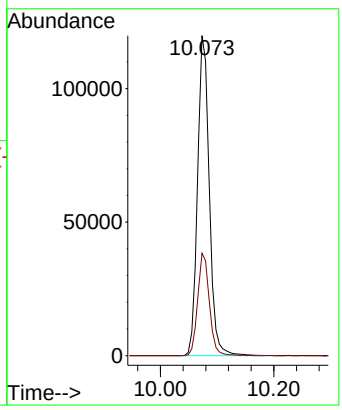
Tgt Ion:112 Resp: 17208

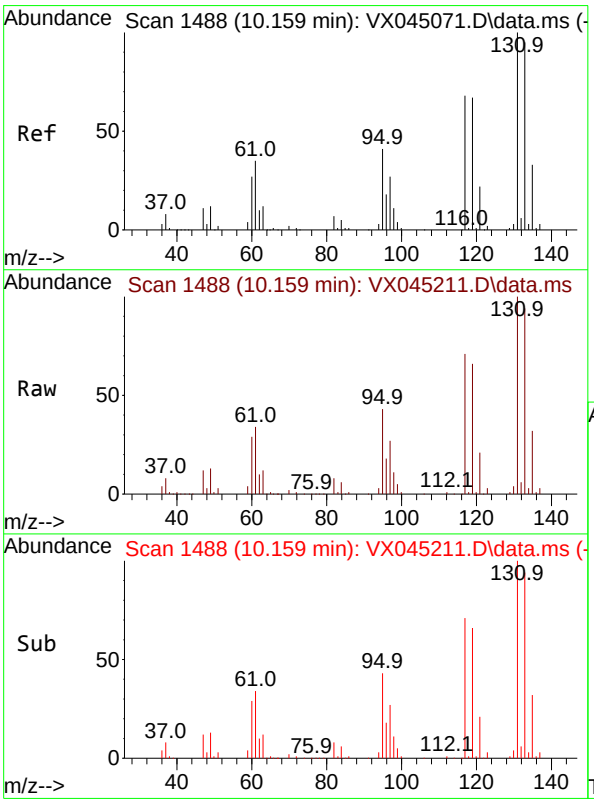
Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

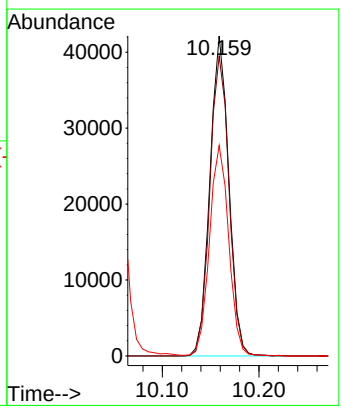


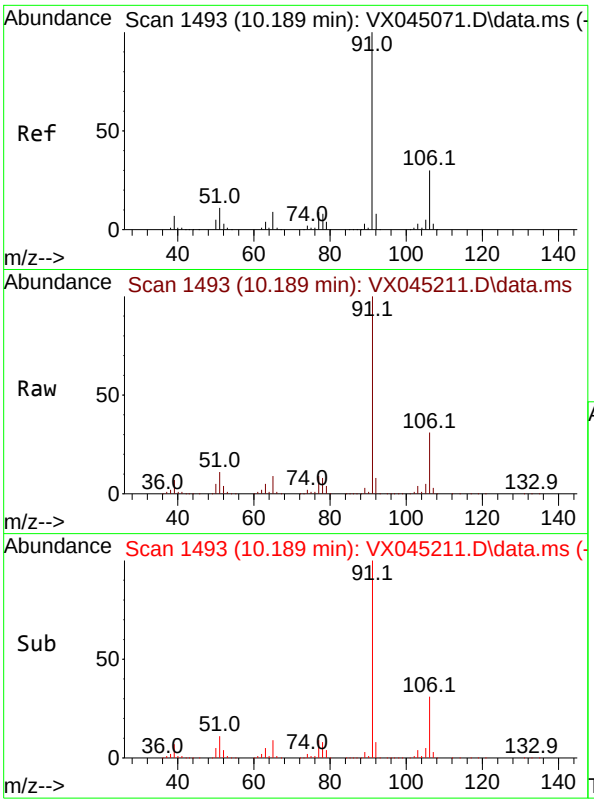


#66
1,1,1,2-Tetrachloroethane
Concen: 52.821 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:131 Resp: 57191

Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.6	145.9
119	67.1	33.9	101.7





#67
Ethyl Benzene
Concen: 54.136 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

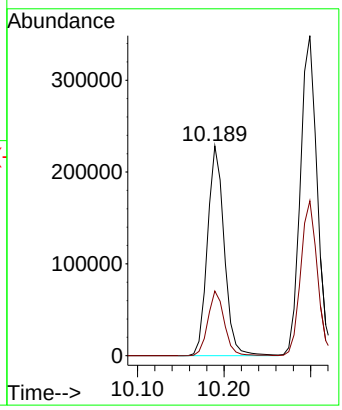
Tgt Ion: 91 Resp: 30668

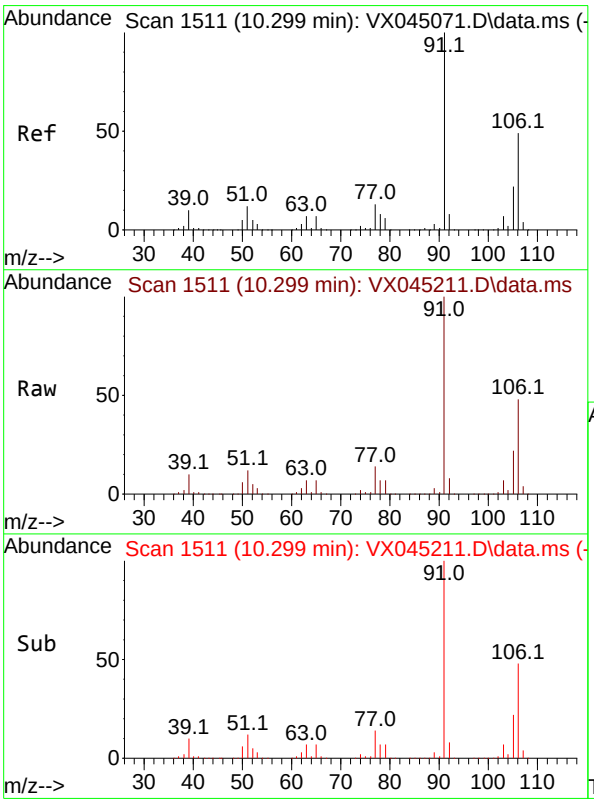
Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

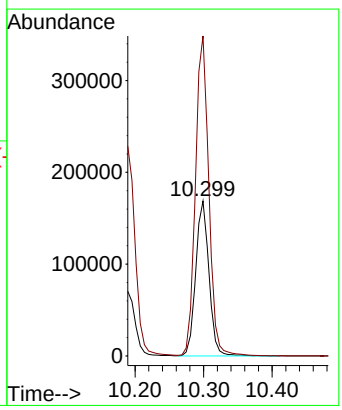


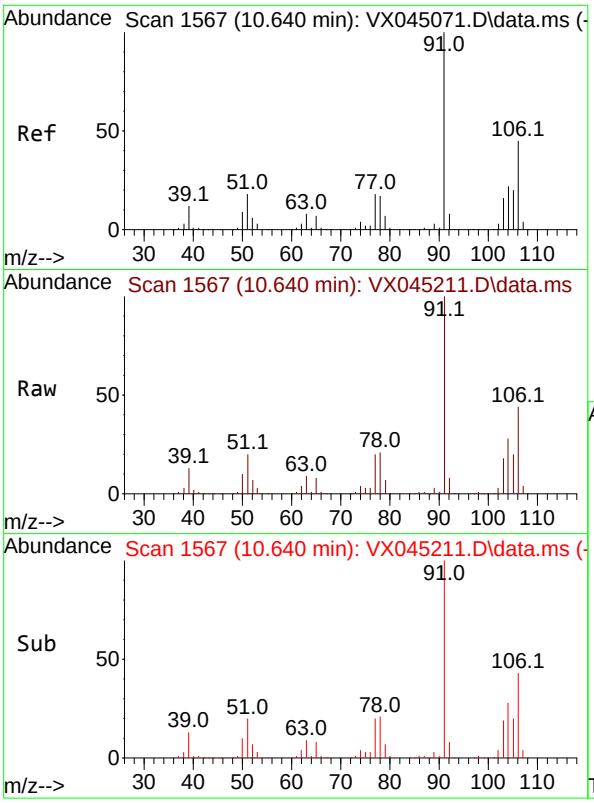


#68
m/p-Xylenes
Concen: 109.410 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:106 Resp: 226899

Ion	Ratio	Lower	Upper
106	100		
91	208.7	165.4	248.0





#69
o-Xylene
Concen: 53.202 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

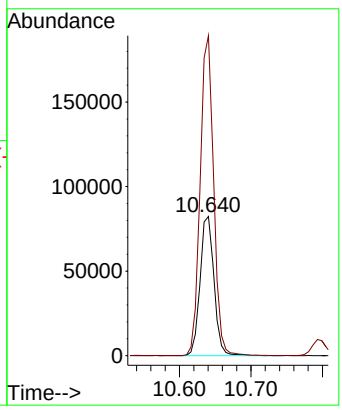
Tgt Ion:106 Resp: 11127

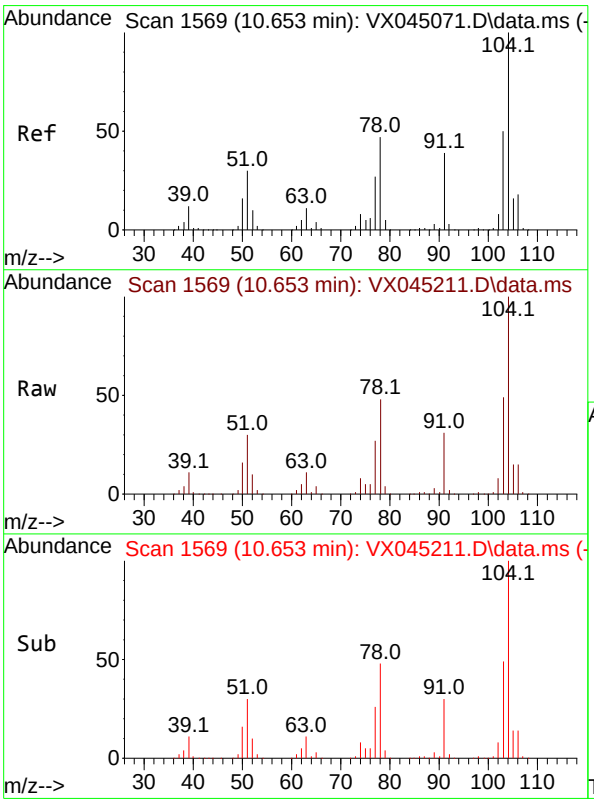
Ion	Ratio	Lower	Upper
106	100		
91	222.9	109.9	329.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

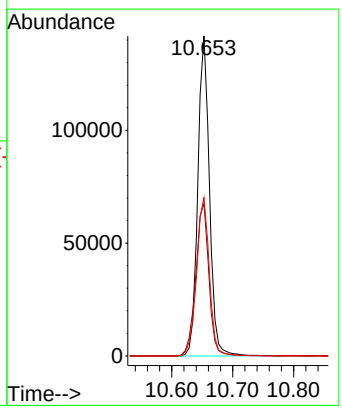


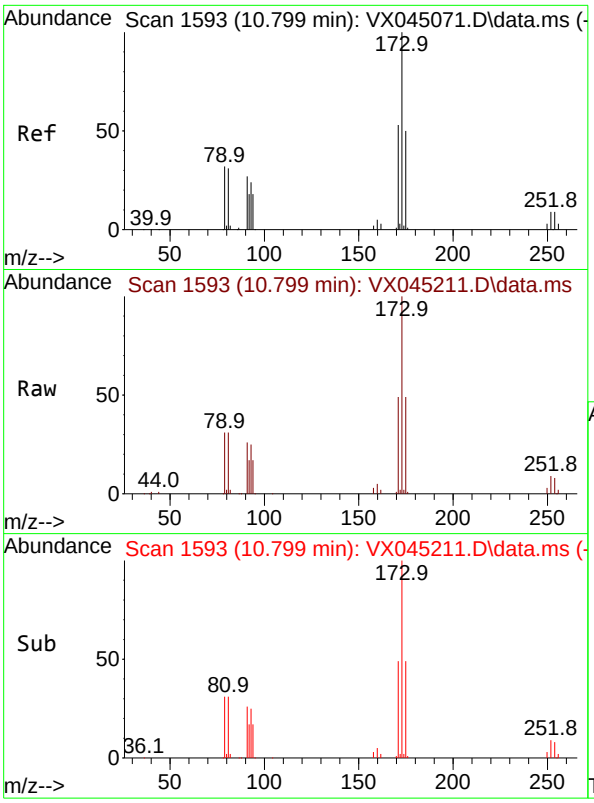


#70
Styrene
Concen: 55.460 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:104 Resp: 187697

Ion	Ratio	Lower	Upper
104	100		
78	54.1	42.2	63.4
103	54.7	43.8	65.8





#71
Bromoform
Concen: 57.546 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

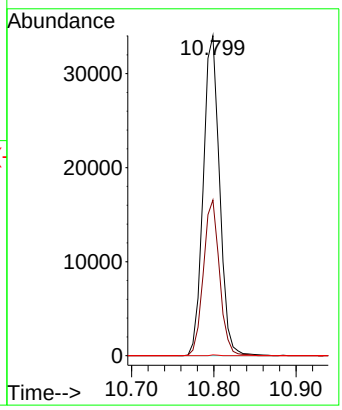
Tgt Ion:173 Resp: 4698

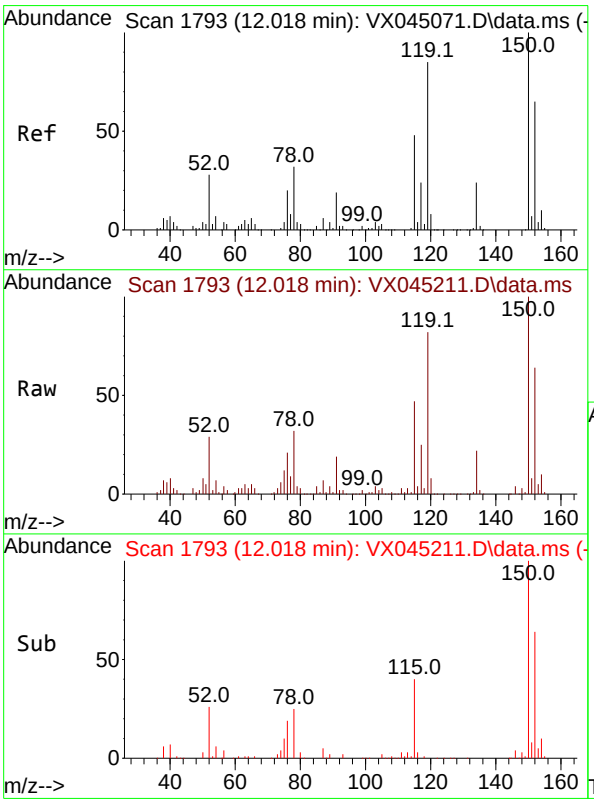
Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	73.6
254	0.1	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

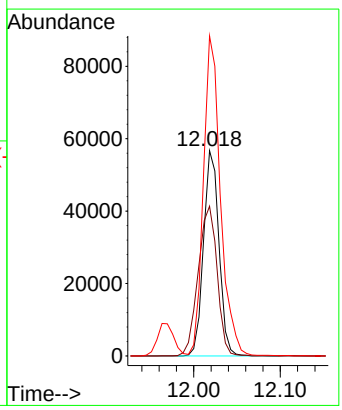


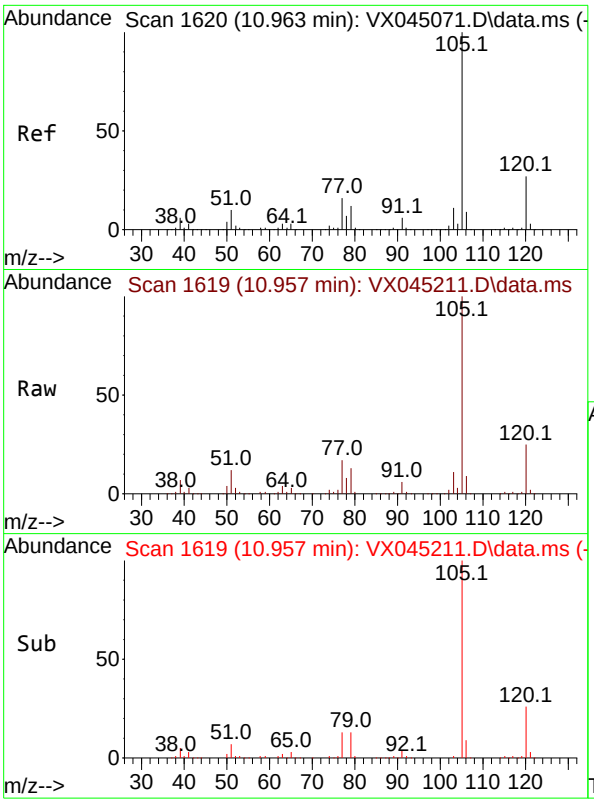


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:152 Resp: 70136

Ion	Ratio	Lower	Upper
152	100		
115	89.7	44.2	132.6
150	172.9	0.0	349.0





#73
Isopropylbenzene
Concen: 53.524 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

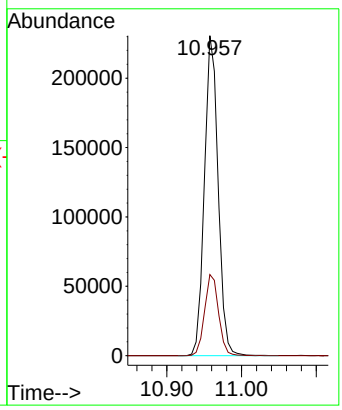
Tgt Ion:105 Resp: 29300

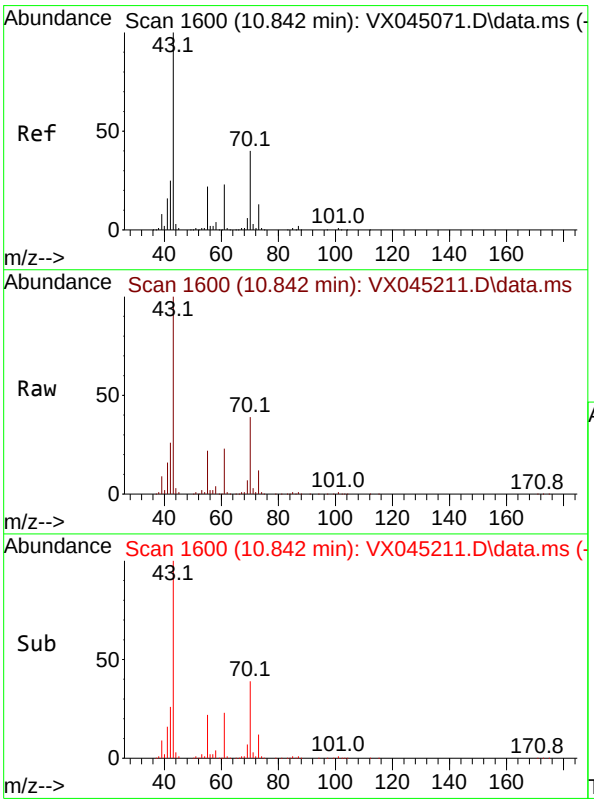
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

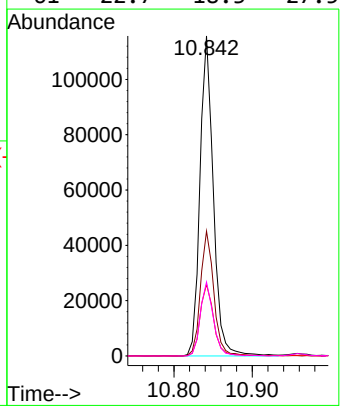


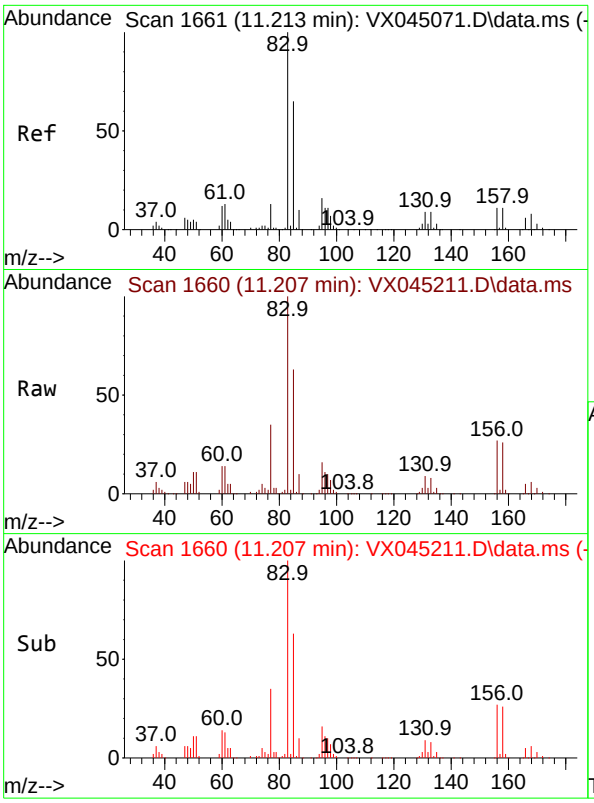


#74
N-amyl acetate
Concen: 53.471 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 43 Resp: 137353

Ion	Ratio	Lower	Upper
43	100		
70	39.2	31.8	47.6
55	22.8	18.3	27.5
61	22.7	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 48.598 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

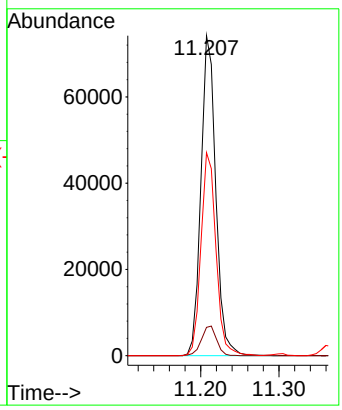
Tgt Ion: 83 Resp: 9762

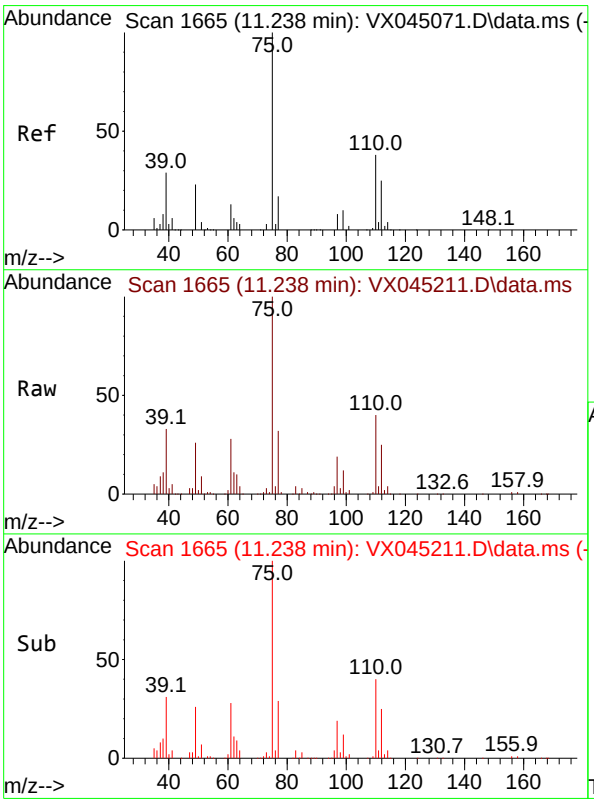
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.4
85	64.3	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

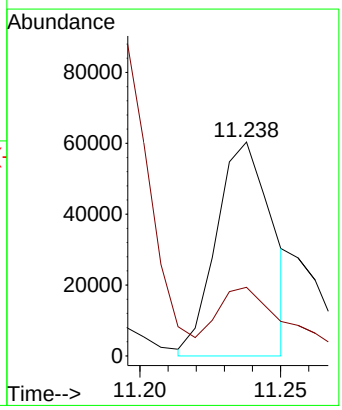


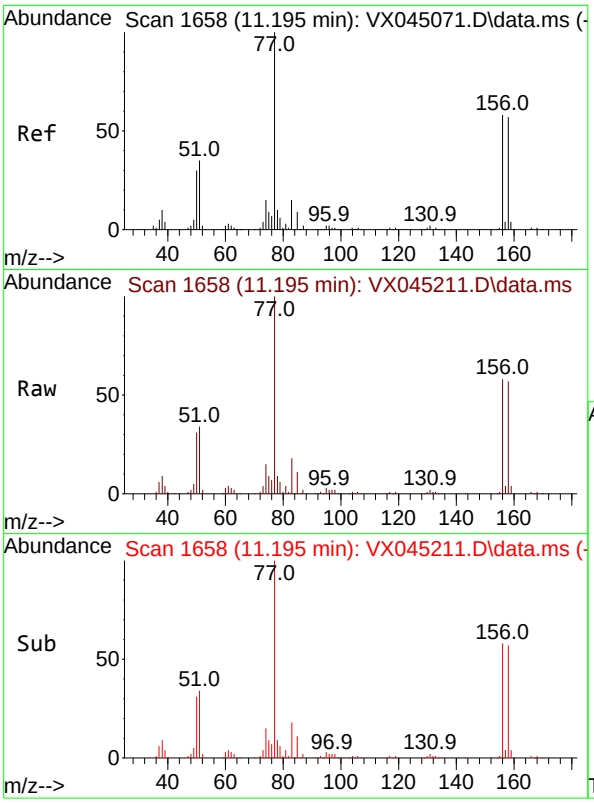


#76
1,2,3-Trichloropropane
Concen: 50.763 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 75 Resp: 82866

Ion	Ratio	Lower	Upper
75	100		
77	40.3	20.7	62.1





#77
Bromobenzene
Concen: 51.748 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

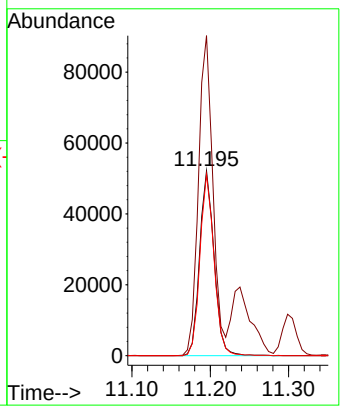
Tgt Ion:156 Resp: 6683

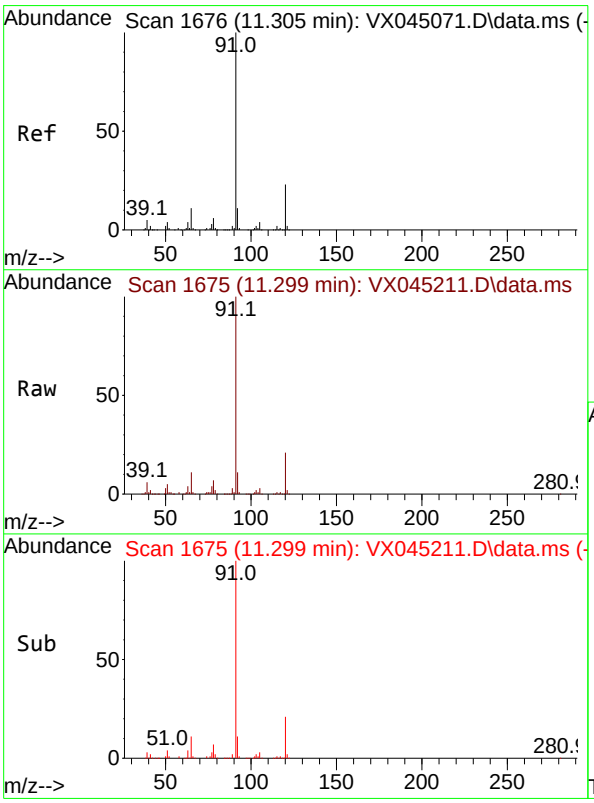
Ion	Ratio	Lower	Upper
156	100		
77	173.3	85.8	257.4
158	96.2	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

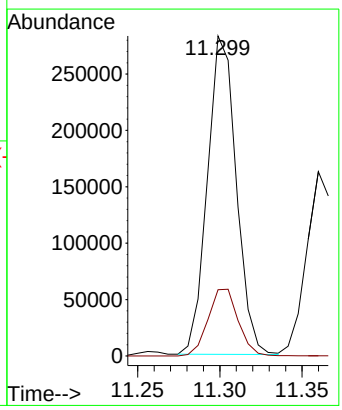


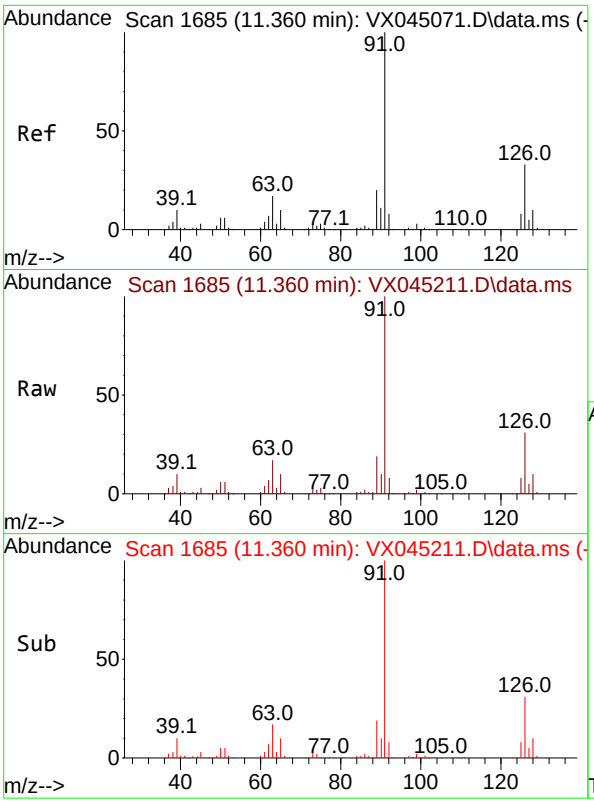


#78
n-propylbenzene
Concen: 55.815 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 91 Resp: 345156

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.2	33.6





#79
2-Chlorotoluene
Concen: 51.714 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

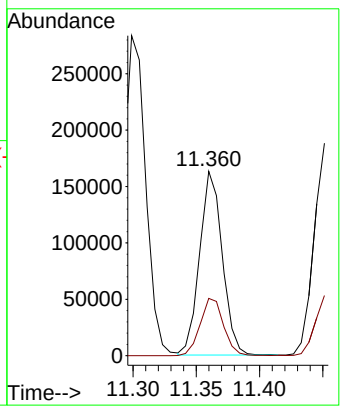
Tgt Ion: 91 Resp: 20366

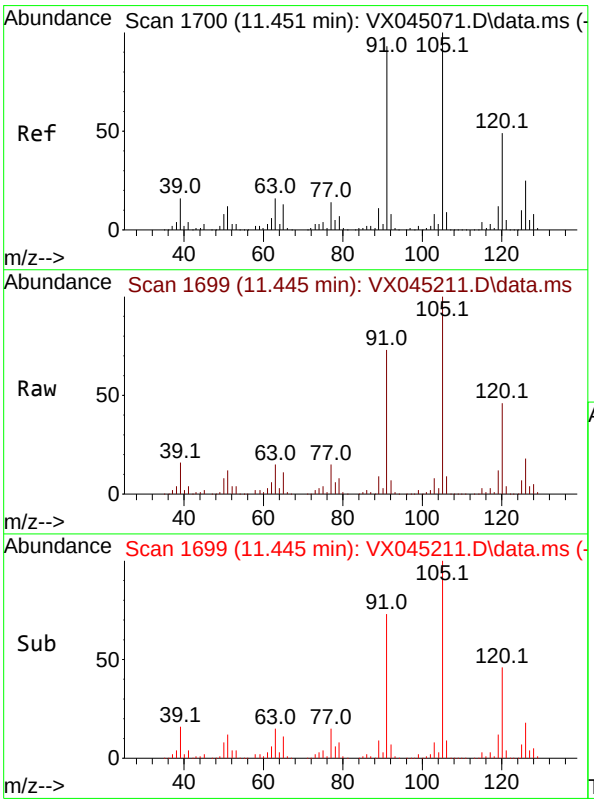
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
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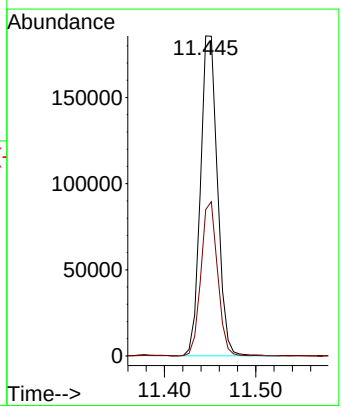


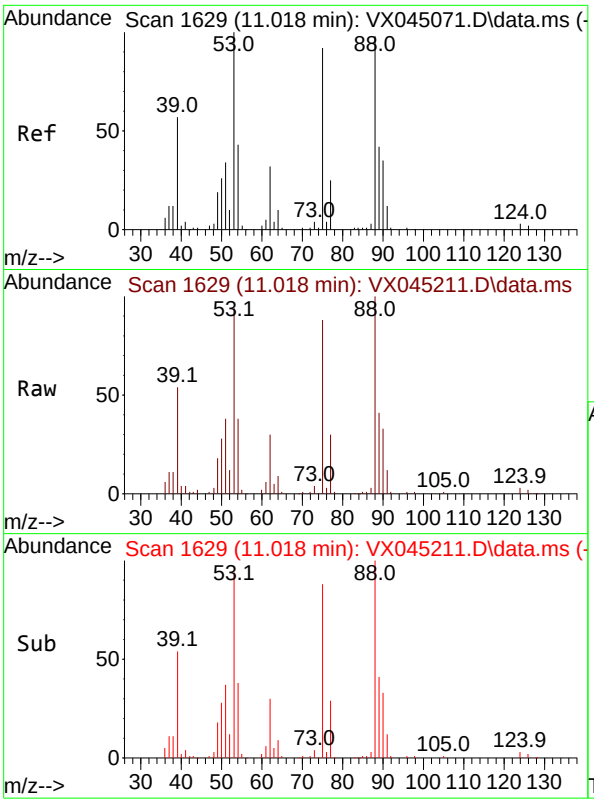


#80
1,3,5-Trimethylbenzene
Concen: 54.036 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:105 Resp: 239185

Ion	Ratio	Lower	Upper
105	100		
120	47.2	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 59.586 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

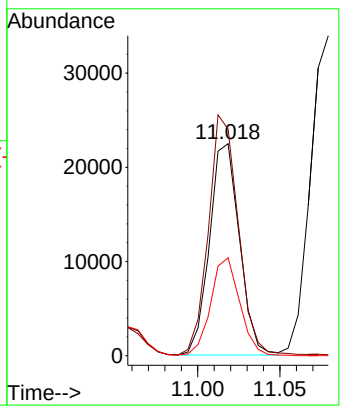
Tgt Ion: 75 Resp: 2842

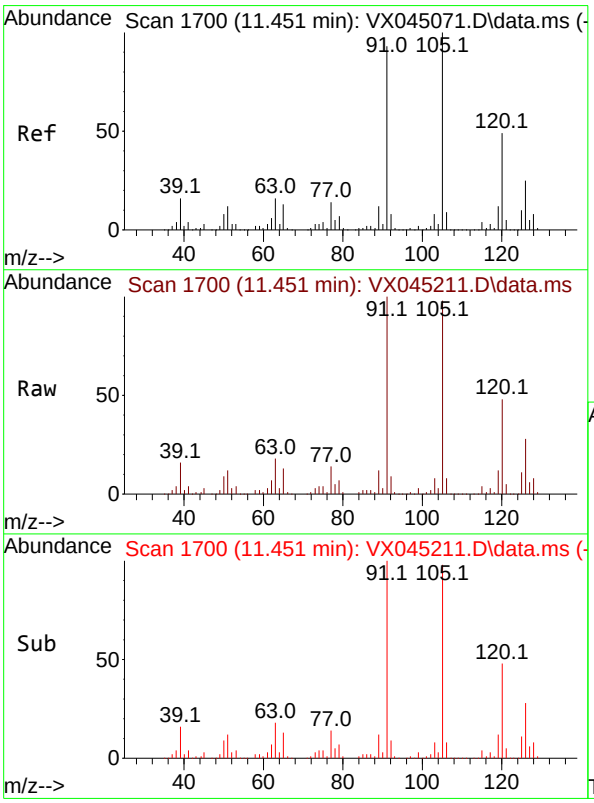
Ion	Ratio	Lower	Upper
75	100		
53	114.6	88.5	132.7
89	45.1	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
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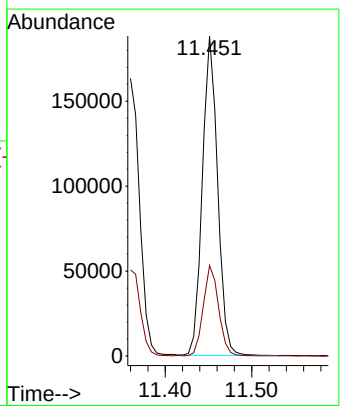


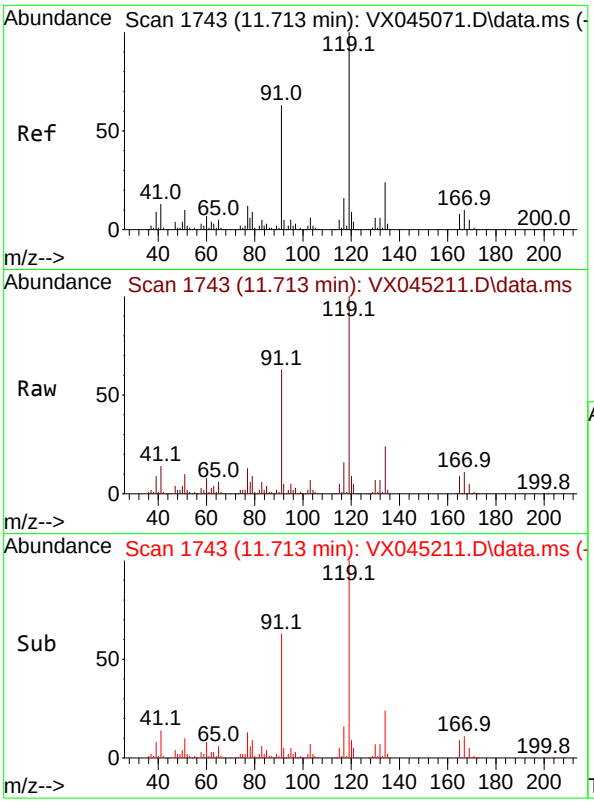


#82
4-Chlorotoluene
Concen: 53.609 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 91 Resp: 230104

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.1	42.4





#83
tert-Butylbenzene
Concen: 52.798 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

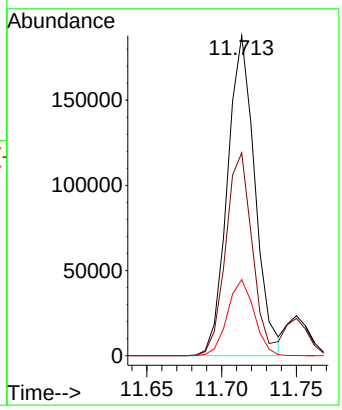
Tgt Ion:119 Resp: 24012

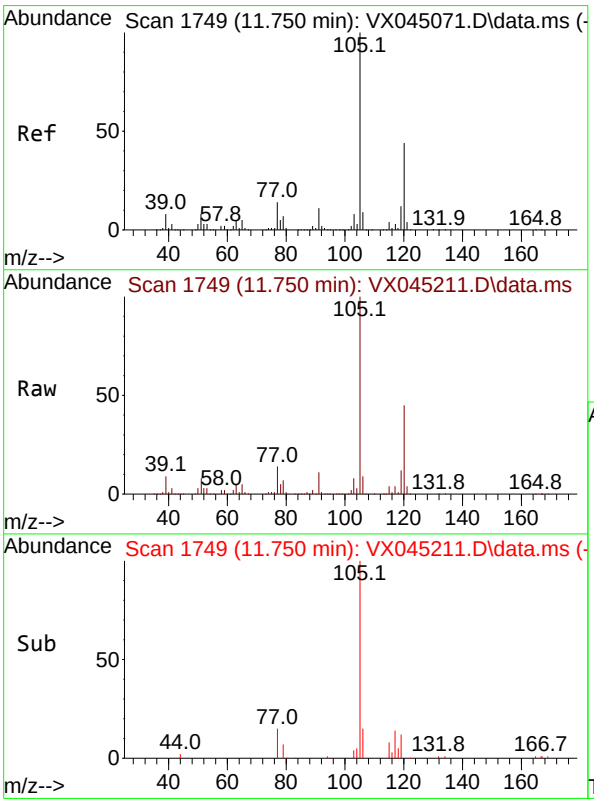
Ion	Ratio	Lower	Upper
119	100		
91	60.6	30.7	92.1
134	23.1	11.7	35.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

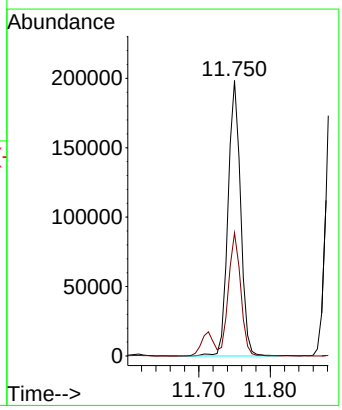


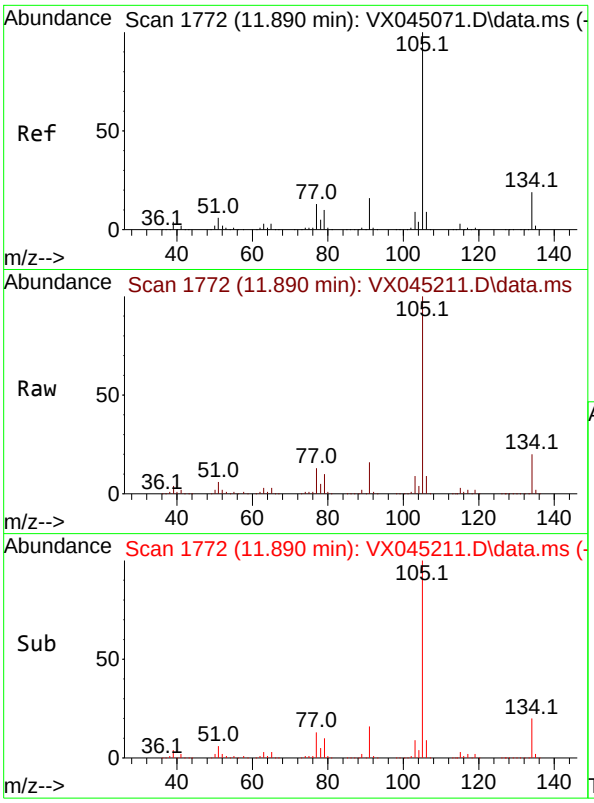


#84
1,2,4-Trimethylbenzene
Concen: 54.029 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:105 Resp: 240636

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1





#85
sec-Butylbenzene
Concen: 56.188 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

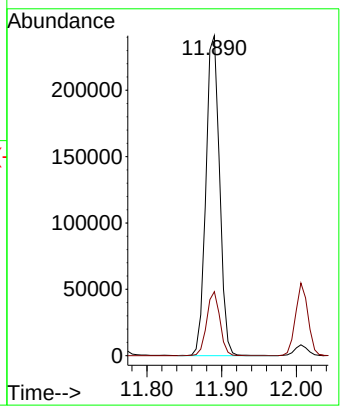
Tgt Ion:105 Resp: 30610

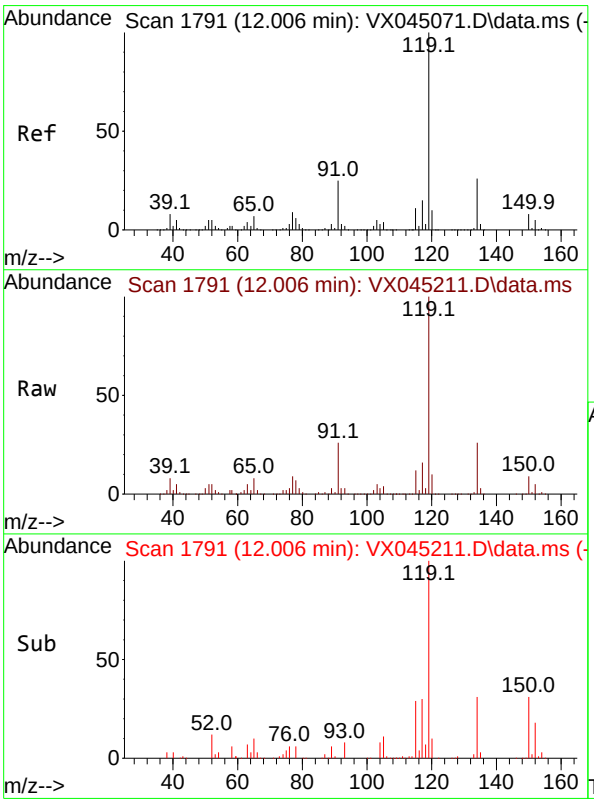
Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

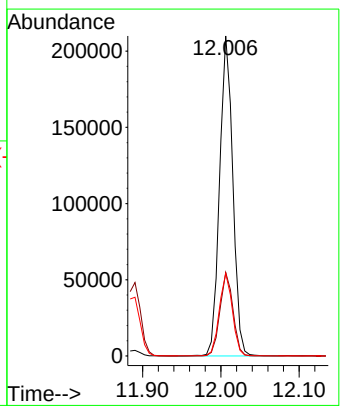


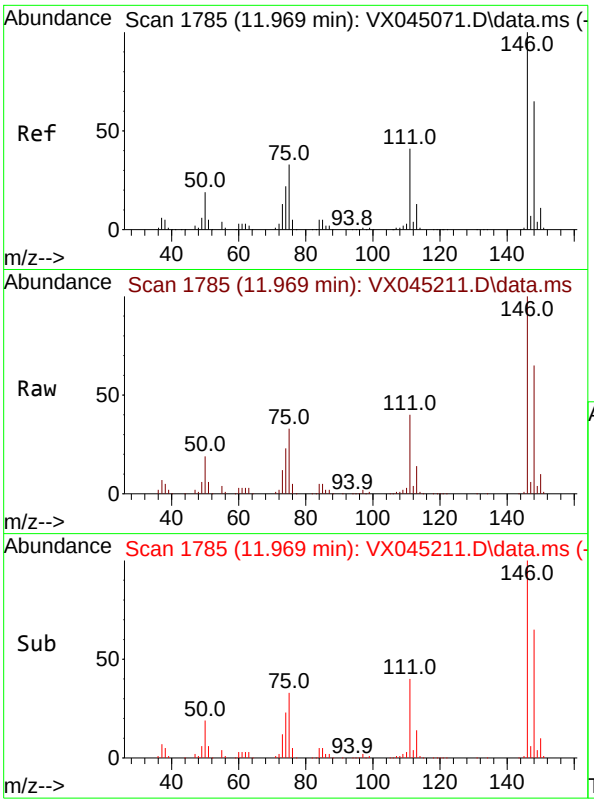


#86
p-Isopropyltoluene
Concen: 56.113 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:119 Resp: 247047

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.6	12.7	38.0

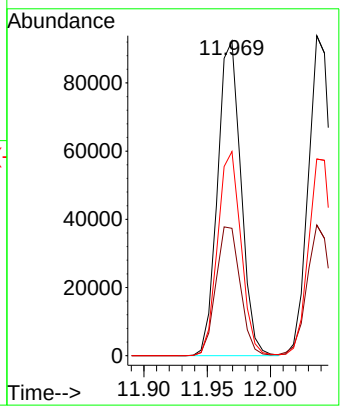




#87
1,3-Dichlorobenzene
Concen: 51.564 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:146 Resp: 11881

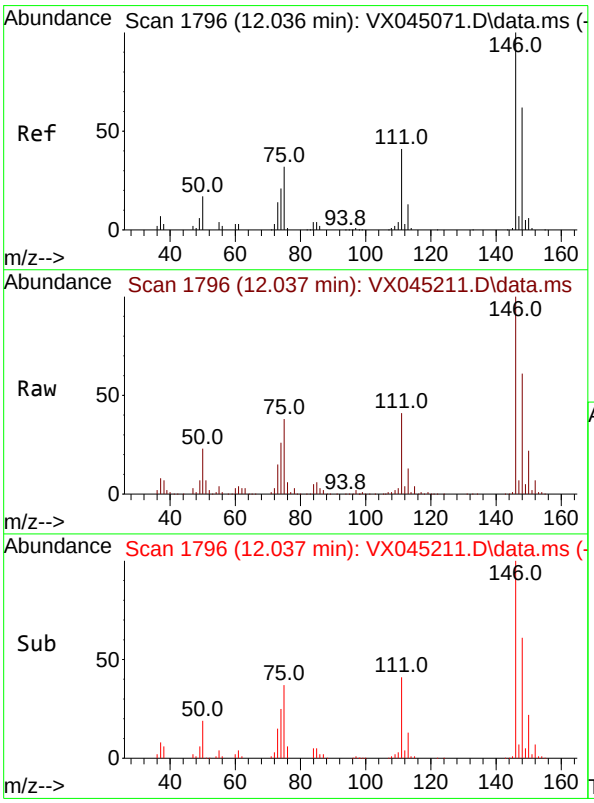
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	64.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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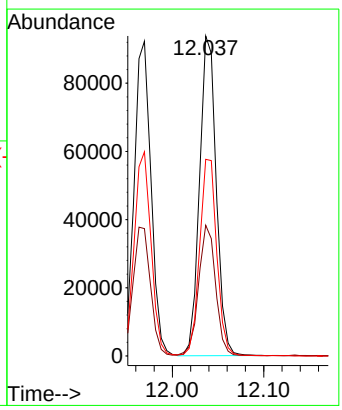
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

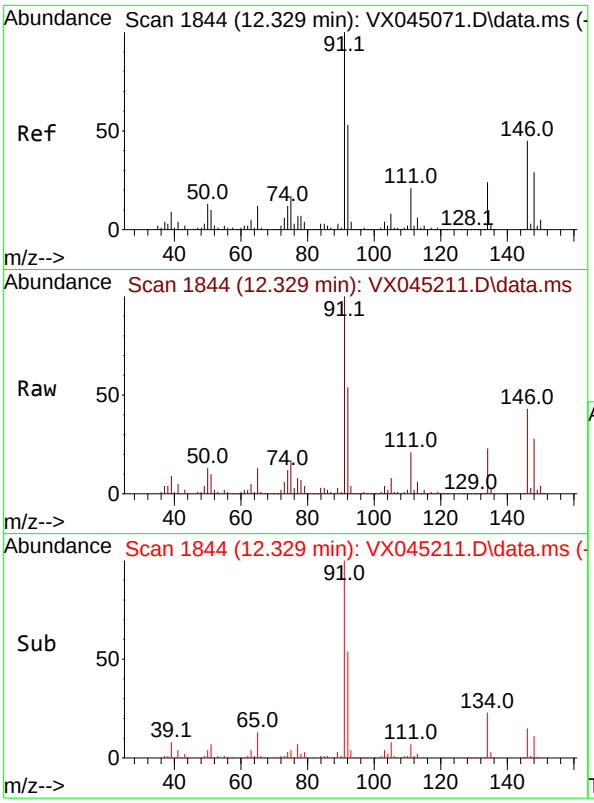


#88
1,4-Dichlorobenzene
Concen: 51.014 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:146 Resp: 118921

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.2	60.5
148	63.0	31.9	95.9





#89
n-Butylbenzene
Concen: 59.371 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

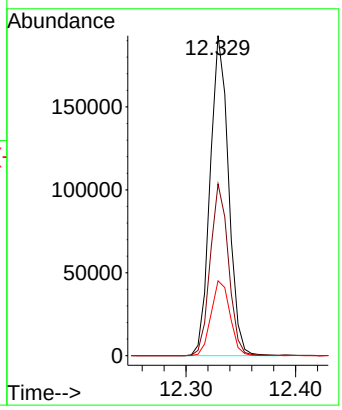
Tgt Ion: 91 Resp: 22513

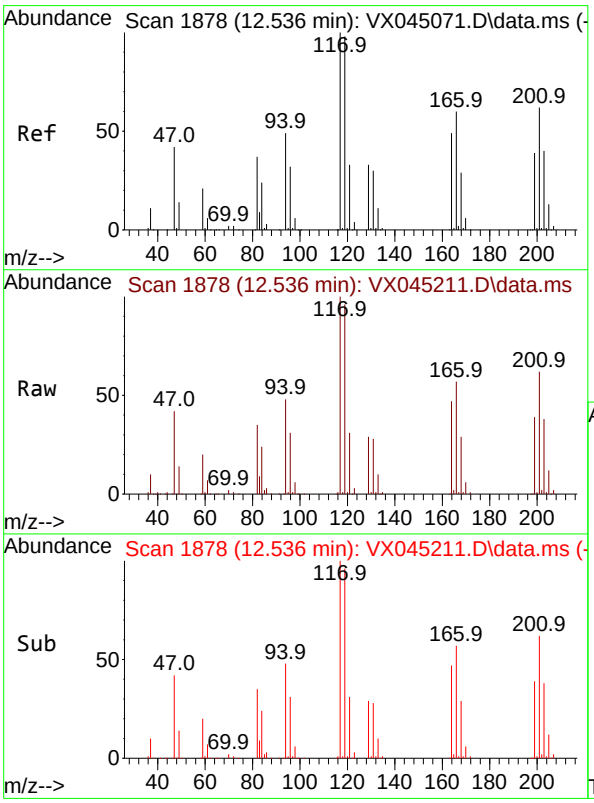
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.1	12.2	36.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
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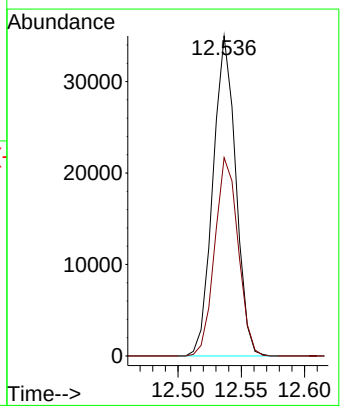


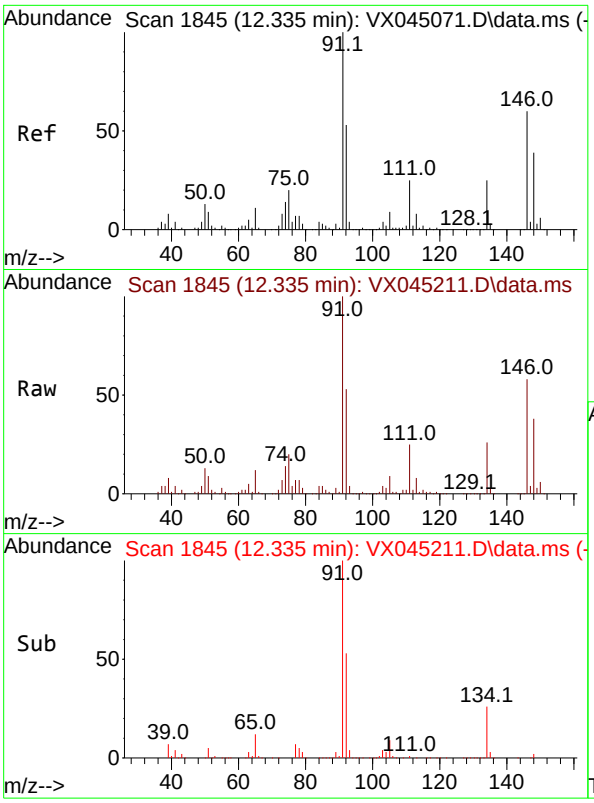


#90
Hexachloroethane
Concen: 55.032 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:117 Resp: 43824

Ion	Ratio	Lower	Upper
117	100		
201	63.6	31.9	95.9

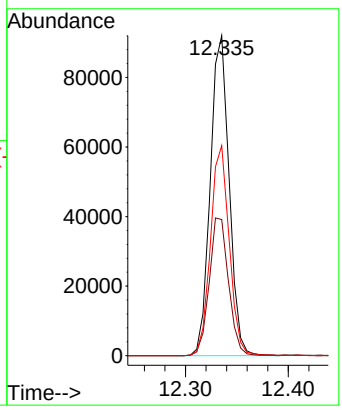




#91
1,2-Dichlorobenzene
Concen: 50.690 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:146 Resp: 11716

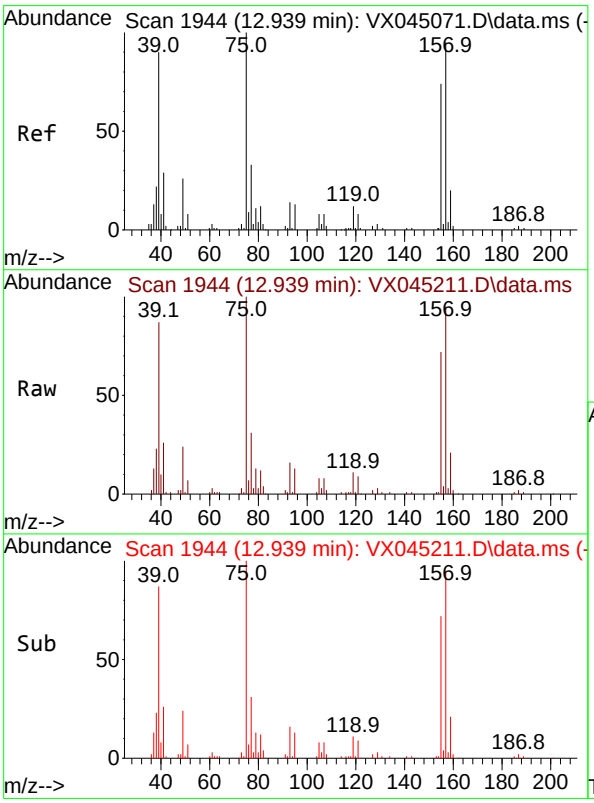
Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.6	65.0
148	65.5	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

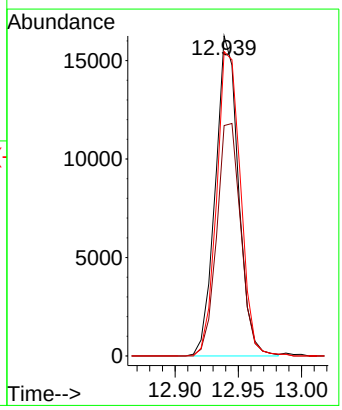
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

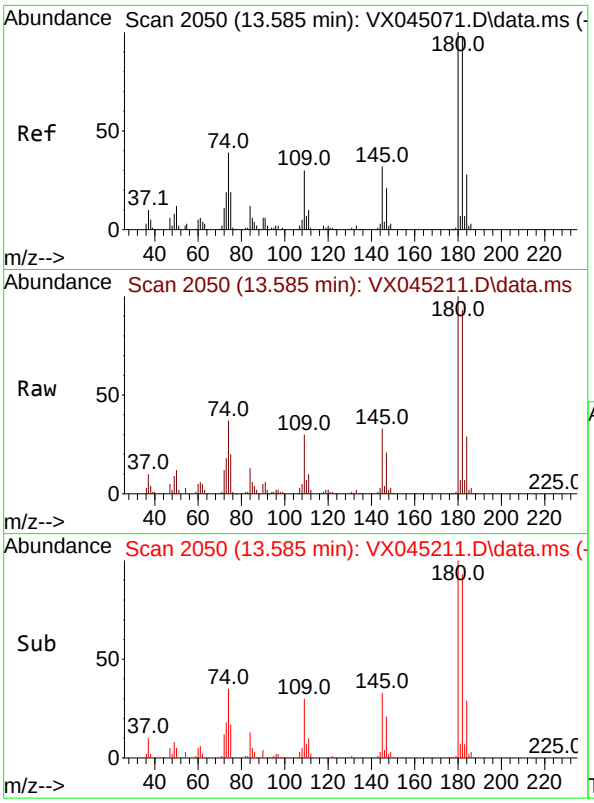


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.534 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 75 Resp: 20560

Ion	Ratio	Lower	Upper
75	100		
155	76.0	39.6	118.7
157	98.2	51.1	153.4

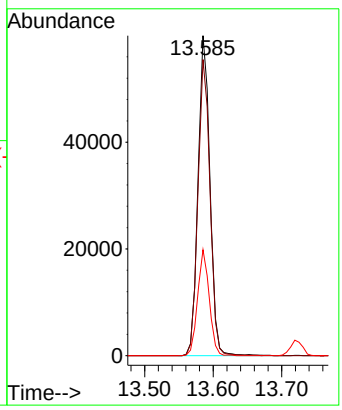




#93
1,2,4-Trichlorobenzene
Concen: 55.234 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:180 Resp: 7269

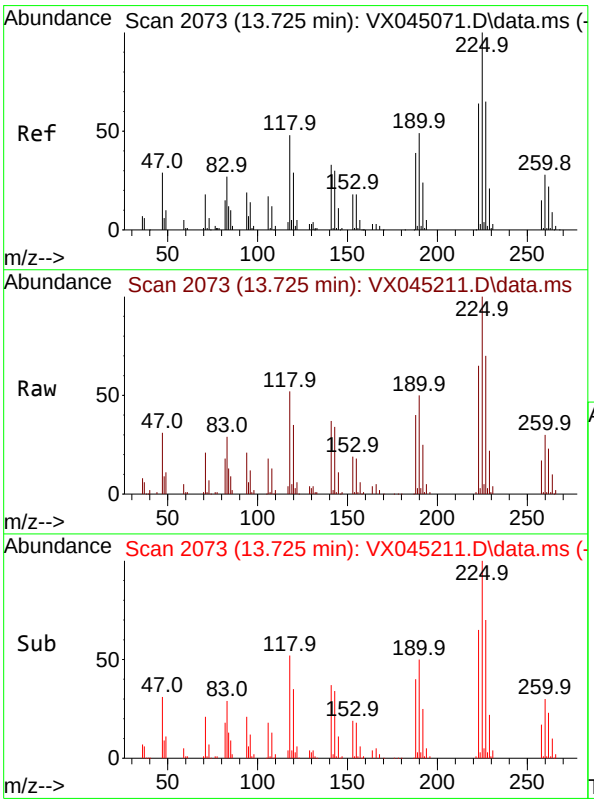
Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.3	141.9
145	32.3	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

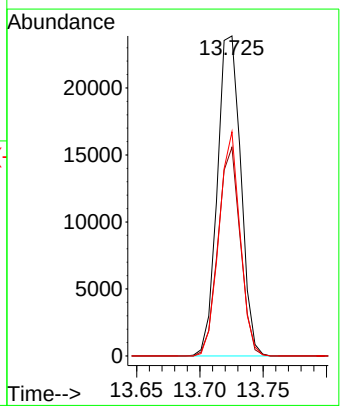
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

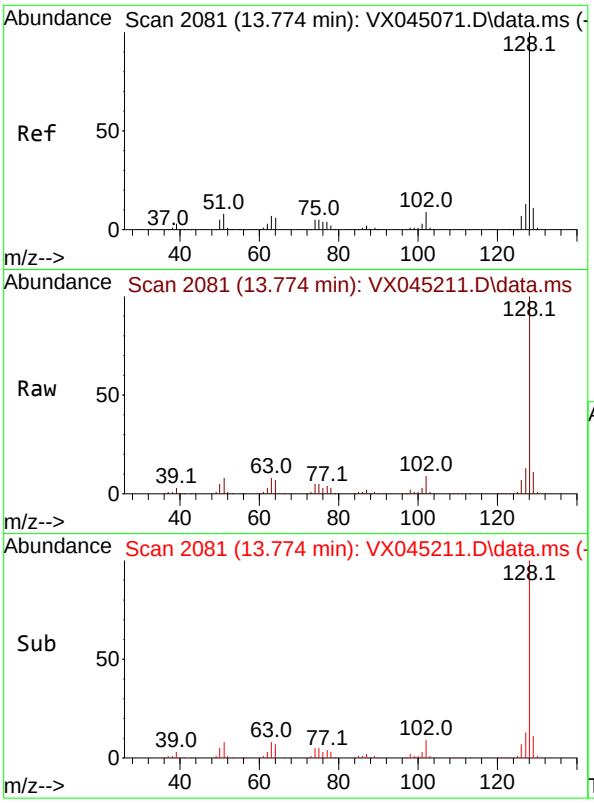


#94
Hexachlorobutadiene
Concen: 56.956 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:225 Resp: 30733

Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.9	95.7
227	63.1	31.4	94.0

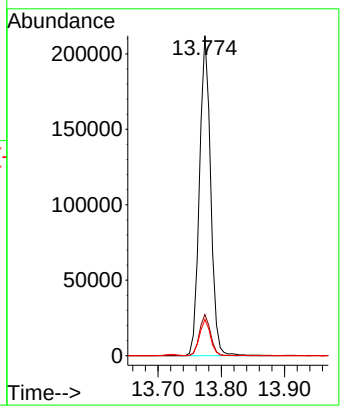




#95
Naphthalene
Concen: 51.639 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:128 Resp: 26112

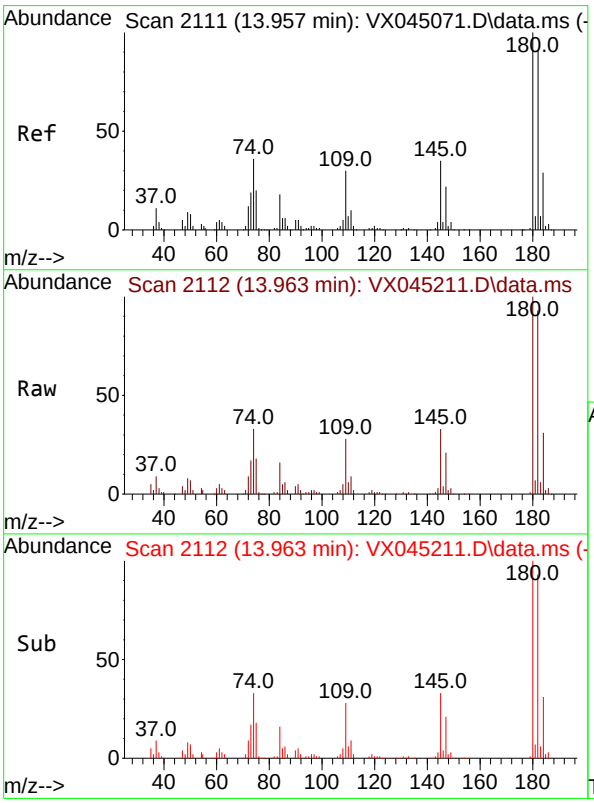
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

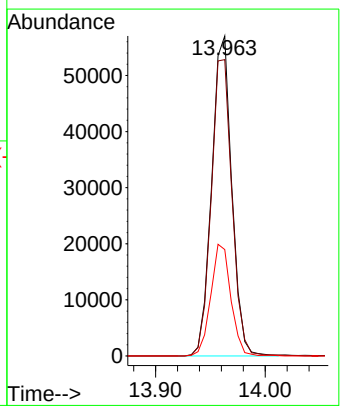
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 52.399 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:180 Resp: 72754

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	34.9	17.0	50.9



Evaluate Continuing Calibration Report

Sample Results: **VX045211.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045211.D
Acq On : 11 Mar 2025 09:59
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 12 01:41:38 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	0.659	-4.8	103	0.00
3	P	Chloromethane	0.770	0.731	5.1	95	0.00
4	C	Vinyl Chloride	0.764	0.723	5.4#	93	0.00
5	T	Bromomethane	0.300	0.303	-1.0	102	0.00
6	T	Chloroethane	0.352	0.386	-9.7	102	0.00
7	T	Trichlorofluoromethane	1.011	1.035	-2.4	97	0.00
8	T	Diethyl Ether	0.396	0.369	6.8	94	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.644	-10.8	106	0.00
10	T	Methyl Iodide	0.726	0.769	-5.9	98	0.00
11	T	Tert butyl alcohol	0.151	0.117	22.5	86	0.00
12	CM	1,1-Dichloroethene	0.614	0.615	-0.2#	97	0.00
13	T	Acrolein	0.174	0.153	12.1	87	0.00
14	T	Allyl chloride	1.094	1.165	-6.5	103	0.00
15	T	Acrylonitrile	0.404	0.413	-2.2	99	0.00
16	T	Acetone	0.369	0.381	-3.3	106	0.00
17	T	Carbon Disulfide	1.636	1.547	5.4	92	0.00
18	T	Methyl Acetate	0.888	1.002	-12.8	114	0.00
19	T	Methyl tert-butyl Ether	2.061	2.061	0.0	97	0.00
20	T	Methylene Chloride	0.731	0.714	2.3	100	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.616	-1.5	96	0.00
22	T	Diisopropyl ether	2.224	2.299	-3.4	99	0.00
23	T	Vinyl Acetate	1.856	1.965	-5.9	98	0.00
24	P	1,1-Dichloroethane	1.247	1.245	0.2	98	0.00
25	T	2-Butanone	0.555	0.581	-4.7	99	-0.01
26	T	2,2-Dichloropropane	0.585	0.905	-54.7#	149	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.755	-0.8	97	0.00
28	T	Bromochloromethane	0.594	0.579	2.5	94	0.00
29	T	Tetrahydrofuran	0.373	0.367	1.6	97	0.00
30	C	Chloroform	1.239	1.234	0.4#	97	0.00
31	T	Cyclohexane	1.082	1.111	-2.7	99	0.00
32	T	1,1,1-Trichloroethane	1.000	1.017	-1.7	98	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.792	0.4	103	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
35	S	Dibromofluoromethane	0.334	0.355	-6.3	102	-0.01
36	T	1,1-Dichloropropene	0.459	0.476	-3.7	96	0.00
37	T	Ethyl Acetate	0.591	0.613	-3.7	96	0.00
38	T	Carbon Tetrachloride	0.465	0.493	-6.0	100	0.00
39	T	Methylcyclohexane	0.549	0.622	-13.3	101	0.00
40	TM	Benzene	1.448	1.486	-2.6	94	0.00
41	T	Methacrylonitrile	0.319	0.341	-6.9	95	0.00
42	TM	1,2-Dichloroethane	0.521	0.546	-4.8	98	0.00
43	T	Isopropyl Acetate	0.874	0.953	-9.0	97	0.00
44	TM	Trichloroethene	0.340	0.354	-4.1	98	0.00
45	C	1,2-Dichloropropane	0.372	0.380	-2.2#	97	0.00
46	T	Dibromomethane	0.263	0.278	-5.7	98	0.00
47	T	Bromodichloromethane	0.516	0.557	-7.9	101	0.00
48	T	Methyl methacrylate	0.438	0.470	-7.3	96	0.00

Sample Results: **VX045211.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045211.D
Acq On : 11 Mar 2025 09:59
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 12 01:41:38 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	0.008	11.1	84	0.00
50	S	Toluene-d8	1.212	1.251	-3.2	98	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.636	-8.3	99	0.00
52	CM	Toluene	0.849	0.900	-6.0#	95	0.00
53	T	t-1,3-Dichloropropene	0.431	0.514	-19.3	104	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.580	-15.3	103	0.00
55	T	1,1,2-Trichloroethane	0.350	0.361	-3.1	96	0.00
56	T	Ethyl methacrylate	0.532	0.594	-11.7	99	0.00
57	T	1,3-Dichloropropane	0.605	0.631	-4.3	96	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.302	-16.6	101	0.00
59	T	2-Hexanone	0.425	0.458	-7.8	97	0.00
60	T	Dibromochloromethane	0.366	0.404	-10.4	100	0.00
61	T	1,2-Dibromoethane	0.349	0.373	-6.9	99	0.00
62	S	4-Bromofluorobenzene	0.402	0.446	-10.9	105	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.320	0.336	-5.0	98	0.00
65	PM	Chlorobenzene	1.058	1.120	-5.9	97	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.372	-5.7	99	0.00
67	C	Ethyl Benzene	1.843	1.996	-8.3#	97	0.00
68	T	m/p-Xylenes	0.675	0.738	-9.3	97	0.00
69	T	o-Xylene	0.681	0.724	-6.3	97	0.00
70	T	Styrene	1.101	1.222	-11.0	98	0.00
71	P	Bromoform	0.266	0.306	-15.0	105	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73	T	Isopropylbenzene	3.903	4.178	-7.0	99	0.00
74	T	N-amyl acetate	1.831	1.958	-6.9	98	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.392	2.8	97	0.00
76	T	1,2,3-Trichloropropane	1.164	1.182	-1.5	101	0.00
77	T	Bromobenzene	0.921	0.953	-3.5	100	0.00
78	T	n-propylbenzene	4.409	4.921	-11.6	101	0.00
79	T	2-Chlorotoluene	2.808	2.904	-3.4	100	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.410	-8.0	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.405	-19.1	118	0.00
82	T	4-Chlorotoluene	3.060	3.281	-7.2	100	0.00
83	T	tert-Butylbenzene	3.242	3.424	-5.6	100	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.431	-8.1	100	0.00
85	T	sec-Butylbenzene	3.884	4.364	-12.4	102	0.00
86	T	p-Isopropyltoluene	3.139	3.522	-12.2	101	0.00
87	T	1,3-Dichlorobenzene	1.643	1.694	-3.1	100	0.00
88	T	1,4-Dichlorobenzene	1.662	1.696	-2.0	99	0.00
89	T	n-Butylbenzene	2.703	3.210	-18.8	105	0.00
90	T	Hexachloroethane	0.568	0.625	-10.0	102	0.00
91	T	1,2-Dichlorobenzene	1.648	1.671	-1.4	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.293	-5.0	100	0.00
93	T	1,2,4-Trichlorobenzene	0.938	1.037	-10.6	101	0.00
94	T	Hexachlorobutadiene	0.385	0.438	-13.8	110	0.00
95	T	Naphthalene	3.605	3.723	-3.3	94	0.00

Sample Results: **VX045211.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045211.D
Acq On : 11 Mar 2025 09:59
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 12 01:41:38 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	1.037	-4.7	96	0.00

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

Sample Results: **VX045211.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045211.D
Acq On : 11 Mar 2025 09:59
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 12 01:41:38 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	52.372	-4.7	103	0.00
3	P	Chloromethane	50.000	47.472	5.1	95	0.00
4	C	Vinyl Chloride	50.000	47.311	5.4#	93	0.00
5	T	Bromomethane	50.000	50.390	-0.8	102	0.00
6	T	Chloroethane	50.000	54.794	-9.6	102	0.00
7	T	Trichlorofluoromethane	50.000	51.147	-2.3	97	0.00
8	T	Diethyl Ether	50.000	46.681	6.6	94	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	55.369	-10.7	106	0.00
10	T	Methyl Iodide	50.000	52.942	-5.9	98	0.00
11	T	Tert butyl alcohol	250.000	194.474	22.2	86	0.00
12	CM	1,1-Dichloroethene	50.000	50.020	-0.0#	97	0.00
13	T	Acrolein	250.000	219.893	12.0	87	0.00
14	T	Allyl chloride	50.000	53.245	-6.5	103	0.00
15	T	Acrylonitrile	250.000	255.519	-2.2	99	0.00
16	T	Acetone	250.000	258.004	-3.2	106	0.00
17	T	Carbon Disulfide	50.000	47.279	5.4	92	0.00
18	T	Methyl Acetate	50.000	56.465	-12.9	114	0.00
19	T	Methyl tert-butyl Ether	50.000	49.992	0.0	97	0.00
20	T	Methylene Chloride	50.000	48.811	2.4	100	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.781	-1.6	96	0.00
22	T	Diisopropyl ether	50.000	51.685	-3.4	99	0.00
23	T	Vinyl Acetate	250.000	264.646	-5.9	98	0.00
24	P	1,1-Dichloroethane	50.000	49.921	0.2	98	0.00
25	T	2-Butanone	250.000	261.614	-4.6	99	-0.01
26	T	2,2-Dichloropropane	50.000	77.390	-54.8#	149	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.382	-0.8	97	0.00
28	T	Bromochloromethane	50.000	48.726	2.5	94	0.00
29	T	Tetrahydrofuran	250.000	245.874	1.7	97	0.00
30	C	Chloroform	50.000	49.818	0.4#	97	0.00
31	T	Cyclohexane	50.000	51.345	-2.7	99	0.00
32	T	1,1,1-Trichloroethane	50.000	50.816	-1.6	98	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.818	0.4	103	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
35	S	Dibromofluoromethane	50.000	53.104	-6.2	102	-0.01
36	T	1,1-Dichloropropene	50.000	51.860	-3.7	96	0.00
37	T	Ethyl Acetate	50.000	51.851	-3.7	96	0.00
38	T	Carbon Tetrachloride	50.000	52.948	-5.9	100	0.00
39	T	Methylcyclohexane	50.000	56.638	-13.3	101	0.00
40	TM	Benzene	50.000	51.320	-2.6	94	0.00
41	T	Methacrylonitrile	50.000	53.315	-6.6	95	0.00
42	TM	1,2-Dichloroethane	50.000	52.356	-4.7	98	0.00
43	T	Isopropyl Acetate	50.000	54.564	-9.1	97	0.00
44	TM	Trichloroethene	50.000	52.042	-4.1	98	0.00
45	C	1,2-Dichloropropane	50.000	50.991	-2.0#	97	0.00
46	T	Dibromomethane	50.000	52.911	-5.8	98	0.00
47	T	Bromodichloromethane	50.000	53.986	-8.0	101	0.00
48	T	Methyl methacrylate	50.000	53.663	-7.3	96	0.00

Sample Results: **VX045211.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045211.D
Acq On : 11 Mar 2025 09:59
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 12 01:41:38 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	900.059	10.0	84	0.00
50	S	Toluene-d8	50.000	51.586	-3.2	98	0.00
51	T	4-Methyl-2-Pentanone	250.000	271.045	-8.4	99	0.00
52	CM	Toluene	50.000	52.972	-5.9#	95	0.00
53	T	t-1,3-Dichloropropene	50.000	59.606	-19.2	104	0.00
54	T	cis-1,3-Dichloropropene	50.000	57.592	-15.2	103	0.00
55	T	1,1,2-Trichloroethane	50.000	51.661	-3.3	96	0.00
56	T	Ethyl methacrylate	50.000	55.894	-11.8	99	0.00
57	T	1,3-Dichloropropane	50.000	52.131	-4.3	96	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	291.597	-16.6	101	0.00
59	T	2-Hexanone	250.000	269.382	-7.8	97	0.00
60	T	Dibromochloromethane	50.000	55.267	-10.5	100	0.00
61	T	1,2-Dibromoethane	50.000	53.438	-6.9	99	0.00
62	S	4-Bromofluorobenzene	50.000	55.511	-11.0	105	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	52.473	-4.9	98	0.00
65	PM	Chlorobenzene	50.000	52.928	-5.9	97	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.821	-5.6	99	0.00
67	C	Ethyl Benzene	50.000	54.136	-8.3#	97	0.00
68	T	m/p-Xylenes	100.000	109.410	-9.4	97	0.00
69	T	o-Xylene	50.000	53.202	-6.4	97	0.00
70	T	Styrene	50.000	55.460	-10.9	98	0.00
71	P	Bromoform	50.000	57.546	-15.1	105	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73	T	Isopropylbenzene	50.000	53.524	-7.0	99	0.00
74	T	N-amyl acetate	50.000	53.471	-6.9	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.598	2.8	97	0.00
76	T	1,2,3-Trichloropropane	50.000	50.763	-1.5	101	0.00
77	T	Bromobenzene	50.000	51.748	-3.5	100	0.00
78	T	n-propylbenzene	50.000	55.815	-11.6	101	0.00
79	T	2-Chlorotoluene	50.000	51.714	-3.4	100	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.036	-8.1	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	59.586	-19.2	118	0.00
82	T	4-Chlorotoluene	50.000	53.609	-7.2	100	0.00
83	T	tert-Butylbenzene	50.000	52.798	-5.6	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.029	-8.1	100	0.00
85	T	sec-Butylbenzene	50.000	56.188	-12.4	102	0.00
86	T	p-Isopropyltoluene	50.000	56.113	-12.2	101	0.00
87	T	1,3-Dichlorobenzene	50.000	51.564	-3.1	100	0.00
88	T	1,4-Dichlorobenzene	50.000	51.014	-2.0	99	0.00
89	T	n-Butylbenzene	50.000	59.371	-18.7	105	0.00
90	T	Hexachloroethane	50.000	55.032	-10.1	102	0.00
91	T	1,2-Dichlorobenzene	50.000	50.690	-1.4	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.534	-5.1	100	0.00
93	T	1,2,4-Trichlorobenzene	50.000	55.234	-10.5	101	0.00
94	T	Hexachlorobutadiene	50.000	56.956	-13.9	110	0.00
95	T	Naphthalene	50.000	51.639	-3.3	94	0.00

Sample Results: **VX045211.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045211.D
Acq On : 11 Mar 2025 09:59
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 12 01:41:38 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	52.399	-4.8	96	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.: Q1500 SAS No.: Q1500 SDG No.: Q1500

Instrument ID: MSVOA_X Calibration Date/Time: 03/11/2025 19:49

Lab File ID: VX045236.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	0.576		-8.43	50
Chloromethane	0.770	0.698	0.1	-9.35	50
Vinyl Chloride	0.764	0.651		-14.79	50
Bromomethane	0.300	0.277		-7.67	50
Chloroethane	0.352	0.354		0.57	50
Trichlorofluoromethane	1.012	0.949		-6.22	50
1,1,2-Trichlorotrifluoroethane	0.581	0.578		-0.52	50
1,1-Dichloroethene	0.614	0.574		-6.51	50
Acetone	0.369	0.339		-8.13	50
Carbon Disulfide	1.636	1.326		-18.95	50
Methyl tert-butyl Ether	2.061	1.949		-5.43	50
Methyl Acetate	0.888	0.970		9.23	50
Methylene Chloride	0.731	0.681		-6.84	50
trans-1,2-Dichloroethene	0.607	0.570		-6.1	50
1,1-Dichloroethane	1.247	1.182	0.1	-5.21	50
Cyclohexane	1.082	1.014		-6.28	50
2-Butanone	0.555	0.543		-2.16	50
Carbon Tetrachloride	0.465	0.452		-2.8	50
cis-1,2-Dichloroethene	0.749	0.717		-4.27	50
Bromochloromethane	0.594	0.567		-4.55	50
Chloroform	1.239	1.181		-4.68	50
1,1,1-Trichloroethane	1.000	0.960		-4	50
Methylcyclohexane	0.549	0.549		0	50
Benzene	1.448	1.398		-3.45	50
1,2-Dichloroethane	0.521	0.523		0.38	50
Trichloroethene	0.340	0.333		-2.06	50
1,2-Dichloropropane	0.372	0.356		-4.3	50
Bromodichloromethane	0.516	0.511		-0.97	50
4-Methyl-2-Pentanone	0.587	0.622		5.96	50
Toluene	0.849	0.844		-0.59	50
t-1,3-Dichloropropene	0.431	0.447		3.71	50
cis-1,3-Dichloropropene	0.503	0.522		3.78	50
1,1,2-Trichloroethane	0.350	0.341		-2.57	50
2-Hexanone	0.425	0.458		7.76	50
Dibromochloromethane	0.366	0.370		1.09	50
1,2-Dibromoethane	0.349	0.348		-0.29	50
Tetrachloroethene	0.320	0.303		-5.31	50
Chlorobenzene	1.058	1.028	0.3	-2.84	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.: Q1500 SAS No.: Q1500 SDG No.: Q1500

Instrument ID: MSVOA_X Calibration Date/Time: 03/11/2025 19:49

Lab File ID: VX045236.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	1.847		0.22	50
m/p-Xylenes	0.675	0.683		1.18	50
o-Xylene	0.681	0.667		-2.06	50
Styrene	1.101	1.139		3.45	50
Bromoform	0.266	0.270	0.1	1.5	50
Isopropylbenzene	3.903	3.801		-2.61	50
1,1,2,2-Tetrachloroethane	1.432	1.335	0.3	-6.77	50
1,3-Dichlorobenzene	1.643	1.603		-2.43	50
1,4-Dichlorobenzene	1.662	1.559		-6.2	50
1,2-Dichlorobenzene	1.648	1.595		-3.22	50
1,2-Dibromo-3-Chloropropane	0.279	0.271		-2.87	50
1,2,4-Trichlorobenzene	0.938	0.909		-3.09	50
1,2,3-Trichlorobenzene	0.990	0.956		-3.43	50
1,2-Dichloroethane-d4	0.795	0.722		-9.18	50
Dibromofluoromethane	0.334	0.309		-7.49	50
Toluene-d8	1.212	1.098		-9.41	50
4-Bromofluorobenzene	0.402	0.396		-1.49	50

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

Sample Results: **VX045236.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045236.D
Acq On : 11 Mar 2025 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 12 01:55:54 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 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	163844	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66778	45.363	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.720%			
35) Dibromofluoromethane	5.385	113	50703	46.280	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.560%			
50) Toluene-d8	8.647	98	179940	45.304	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.600%			
62) 4-Bromofluorobenzene	11.079	95	64822	49.251	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	53268	45.726	ug/l	99
3) Chloromethane	1.307	50	64615	45.323	ug/l	98
4) Vinyl Chloride	1.374	62	60266	42.613	ug/l	97
5) Bromomethane	1.593	94	25658	46.150	ug/l	98
6) Chloroethane	1.666	64	32802	50.284	ug/l	98
7) Trichlorofluoromethane	1.874	101	87827	46.911	ug/l	99
8) Diethyl Ether	2.130	74	31793	43.415	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	53500	49.738	ug/l	99
10) Methyl Iodide	2.447	142	68051	50.626	ug/l	98
11) Tert butyl alcohol	2.977	59	51983	186.427	ug/l	99
12) 1,1-Dichloroethene	2.306	96	53108	46.700	ug/l	96
13) Acrolein	2.233	56	32474	100.748	ug/l	99
14) Allyl chloride	2.654	41	98283	48.552	ug/l	98
15) Acrylonitrile	3.062	53	181756	243.211	ug/l	99
16) Acetone	2.386	43	156898	229.716	ug/l	99
17) Carbon Disulfide	2.501	76	122680	40.503	ug/l	98
18) Methyl Acetate	2.703	43	89742	54.618	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	180382	47.278	ug/l	97
20) Methylene Chloride	2.782	84	62985	46.554	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	52729	46.934	ug/l	100
22) Diisopropyl ether	3.757	45	200226	48.635	ug/l #	87
23) Vinyl Acetate	3.721	43	844079	245.688	ug/l	99
24) 1,1-Dichloroethane	3.605	63	109431	47.429	ug/l	100
25) 2-Butanone	4.556	43	251056	244.195	ug/l	98
26) 2,2-Dichloropropane	4.471	77	65263	60.305	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	66395	47.873	ug/l	97
28) Bromochloromethane	4.891	49	52477	47.718	ug/l	99
29) Tetrahydrofuran	5.001	42	161329	233.669	ug/l	100
30) Chloroform	5.086	83	109326	47.688	ug/l	98
31) Cyclohexane	5.464	56	93837	46.852	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	88809	47.964	ug/l	98
36) 1,1-Dichloropropene	5.690	75	72608	48.325	ug/l	100
37) Ethyl Acetate	4.715	43	93428	48.257	ug/l	99
38) Carbon Tetrachloride	5.672	117	74018	48.524	ug/l	97
39) Methylcyclohexane	7.373	83	89869	49.918	ug/l	97
40) Benzene	6.031	78	229062	48.279	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045236.D
Acq On : 11 Mar 2025 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 12 01:55:54 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 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	53206	50.825	ug/l		99
42) 1,2-Dichloroethane	6.086	62	85619	50.114	ug/l		99
43) Isopropyl Acetate	6.342	43	144156	50.354	ug/l		100
44) Trichloroethene	7.123	130	54580	48.992	ug/l		96
45) 1,2-Dichloropropane	7.427	63	58369	47.849	ug/l		99
46) Dibromomethane	7.580	93	43556	50.517	ug/l		98
47) Bromodichloromethane	7.818	83	83702	49.493	ug/l		99
48) Methyl methacrylate	7.690	41	73223	50.982	ug/l		98
49) 1,4-Dioxane	7.659	88	27933	921.987	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	509737	265.178	ug/l		100
52) Toluene	8.714	92	138365	49.706	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	73204	51.776	ug/l		95
54) cis-1,3-Dichloropropene	8.360	75	85519	51.871	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	55900	48.779	ug/l		99
56) Ethyl methacrylate	9.116	69	91220	52.366	ug/l		96
57) 1,3-Dichloropropane	9.305	76	99262	50.051	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	237779	279.825	ug/l		98
59) 2-Hexanone	9.427	43	375289	269.459	ug/l		99
60) Dibromochloromethane	9.519	129	60613	50.586	ug/l		100
61) 1,2-Dibromoethane	9.604	107	57091	49.904	ug/l		98
64) Tetrachloroethene	9.269	164	44141	47.383	ug/l		96
65) Chlorobenzene	10.073	112	149536	48.585	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	49133	47.936	ug/l		98
67) Ethyl Benzene	10.189	91	268680	50.100	ug/l		99
68) m/p-Xylenes	10.299	106	198600	101.160	ug/l		98
69) o-Xylene	10.640	106	97058	49.018	ug/l		98
70) Styrene	10.652	104	165647	51.703	ug/l		99
71) Bromoform	10.799	173	39245	50.775	ug/l	#	99
73) Isopropylbenzene	10.957	105	259125	48.697	ug/l		99
74) N-amyl acetate	10.841	43	125524	50.273	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	91044	46.625	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	74854m	47.174	ug/l		
77) Bromobenzene	11.195	156	58983	46.980	ug/l		97
78) n-propylbenzene	11.299	91	299014	49.745	ug/l		99
79) 2-Chlorotoluene	11.360	91	181227	47.340	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	212792	49.457	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	21898	47.228	ug/l		90
82) 4-Chlorotoluene	11.451	91	205234	49.191	ug/l		100
83) tert-Butylbenzene	11.713	119	213082	48.200	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	214250	49.489	ug/l		99
85) sec-Butylbenzene	11.890	105	268624	50.727	ug/l		99
86) p-Isopropyltoluene	12.006	119	217580	50.842	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	109308	48.804	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	106308	46.916	ug/l		99
89) n-Butylbenzene	12.329	91	194364	52.732	ug/l		99
90) Hexachloroethane	12.536	117	37102	47.931	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	108734	48.396	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18507	48.649	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	61986	48.452	ug/l		99
94) Hexachlorobutadiene	13.725	225	25290	48.218	ug/l		100
95) Naphthalene	13.774	128	240005	48.828	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	65162	48.282	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045236.D
Acq On : 11 Mar 2025 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 12 01:55:54 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 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

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

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

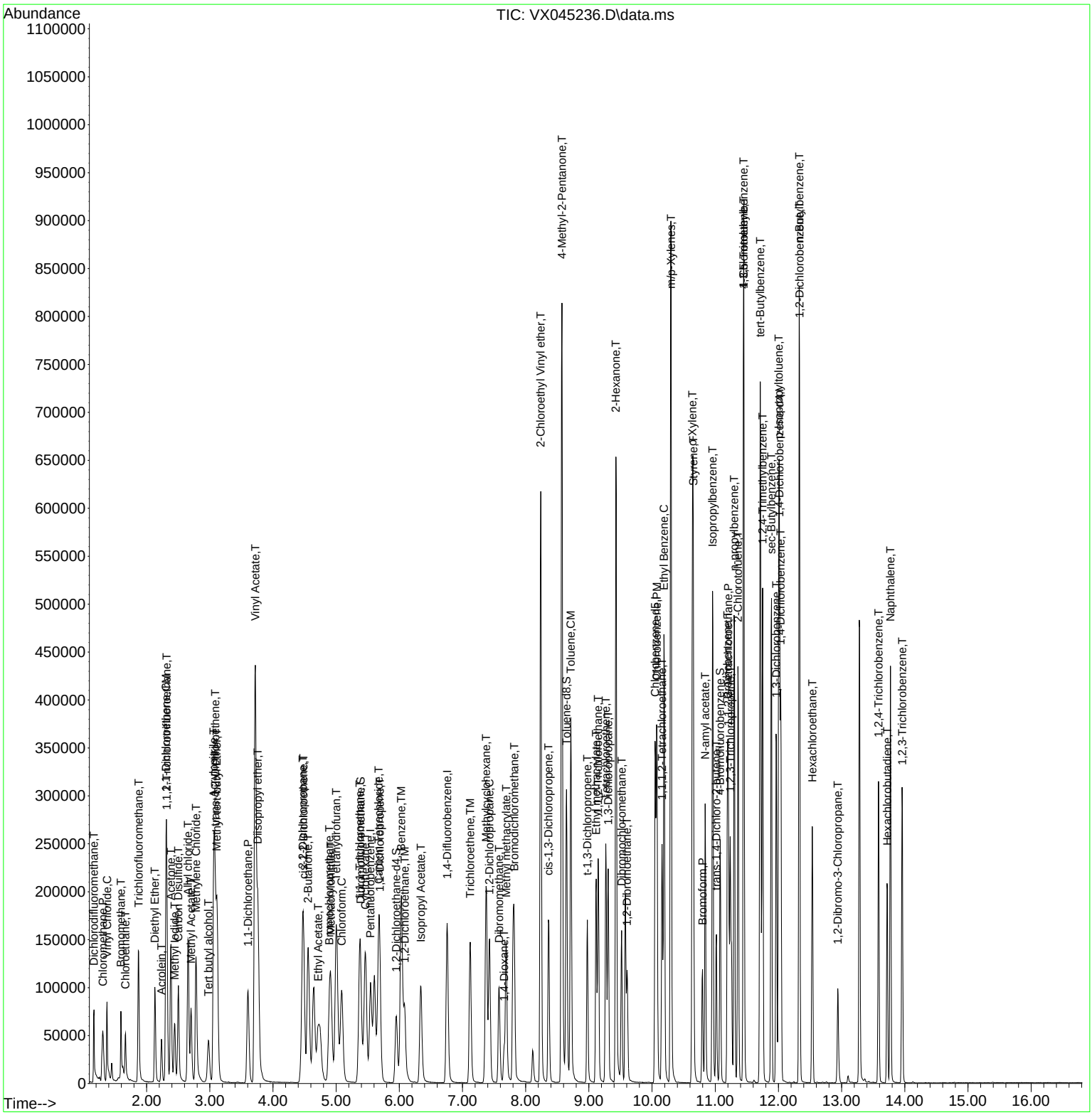
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045236.D
Acq On : 11 Mar 2025 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

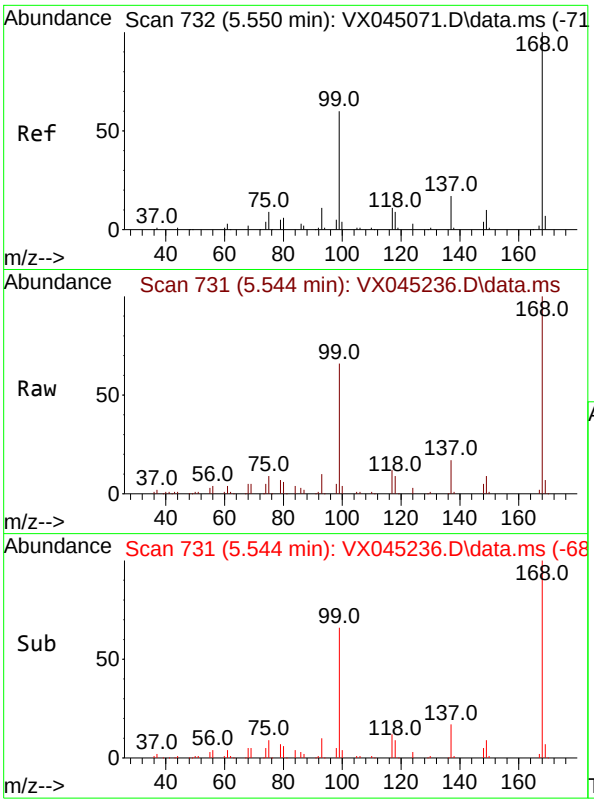
Quant Time: Mar 12 01:55:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

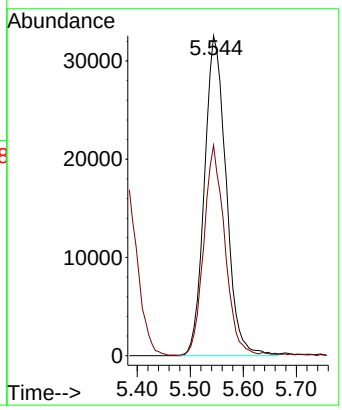




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:168 Resp: 9254

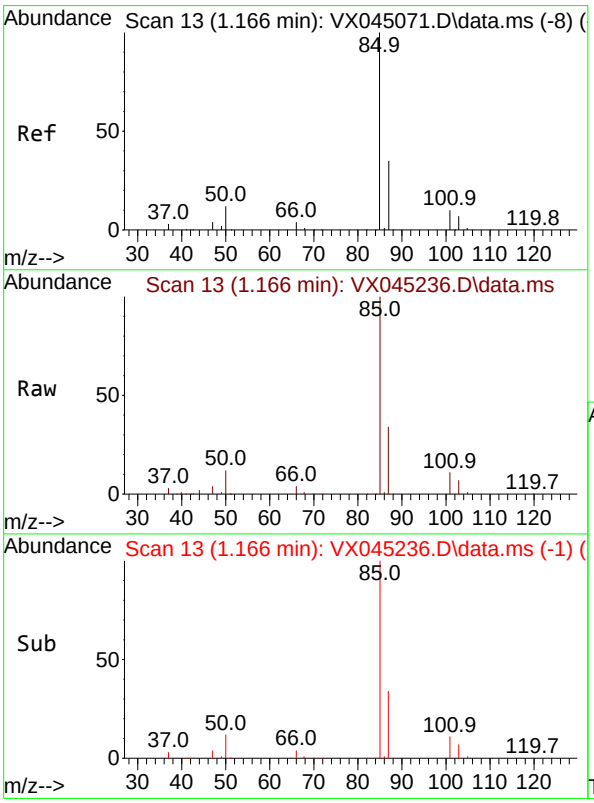
Ion	Ratio	Lower	Upper
168	100		
99	65.6	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

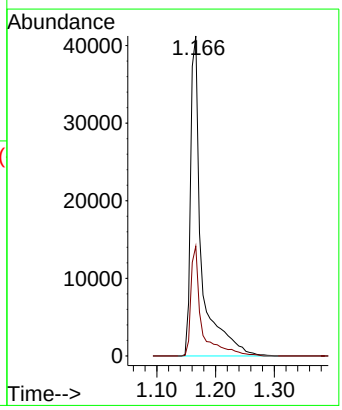
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

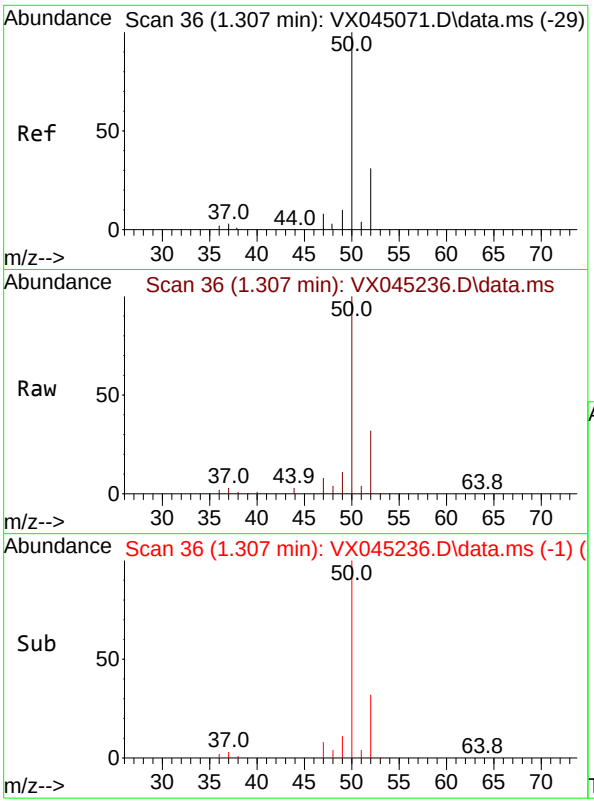


#2
Dichlorodifluoromethane
Concen: 45.726 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 85 Resp: 53268

Ion	Ratio	Lower	Upper
85	100		
87	34.3	17.4	52.3

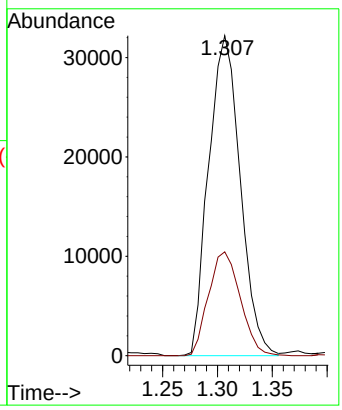




#3
Chloromethane
Concen: 45.323 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 50 Resp: 6461

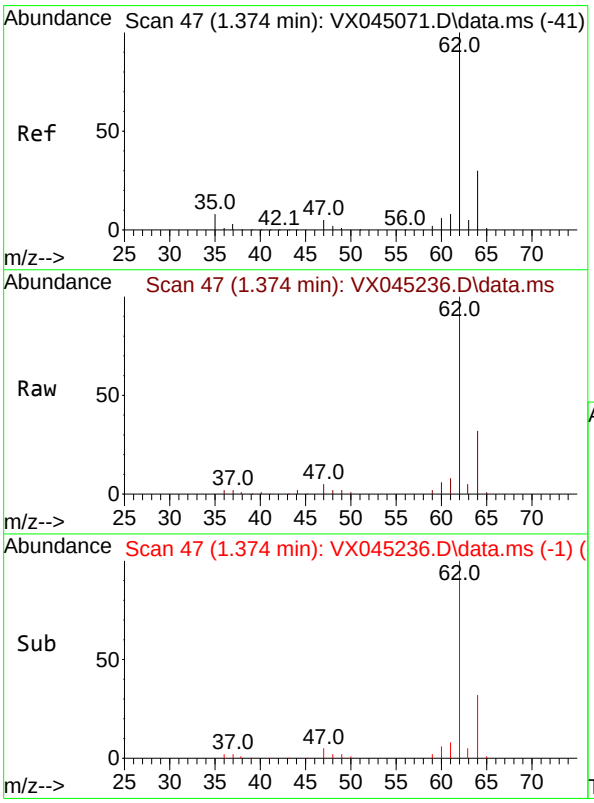
Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

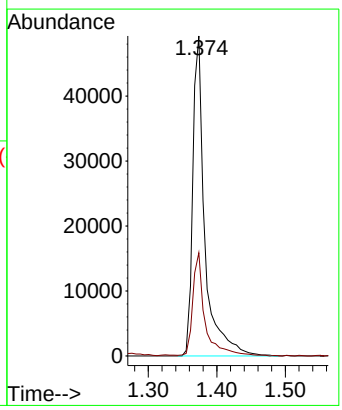
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

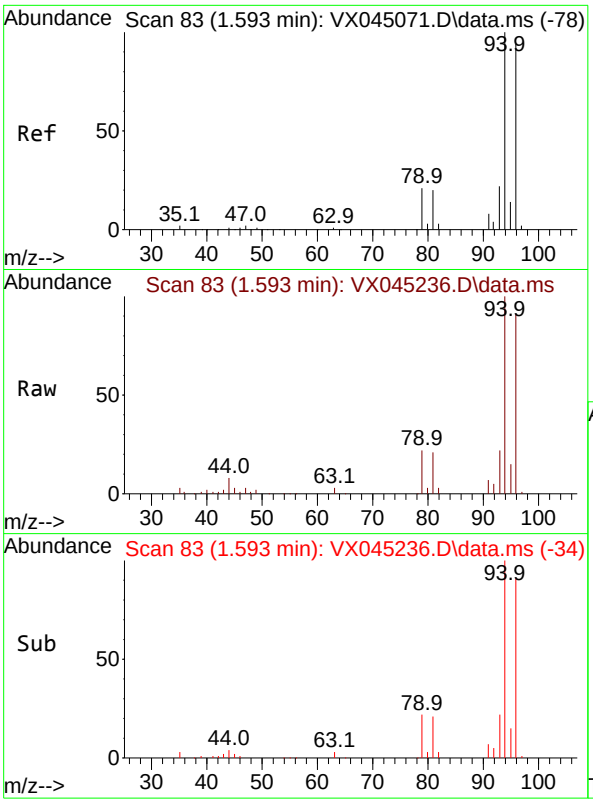


#4
Vinyl Chloride
Concen: 42.613 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 62 Resp: 60266

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.3	36.5

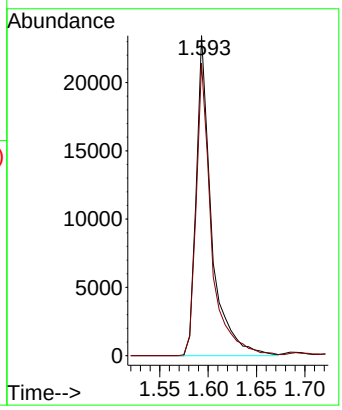




#5
Bromomethane
Concen: 46.150 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 94 Resp: 2565

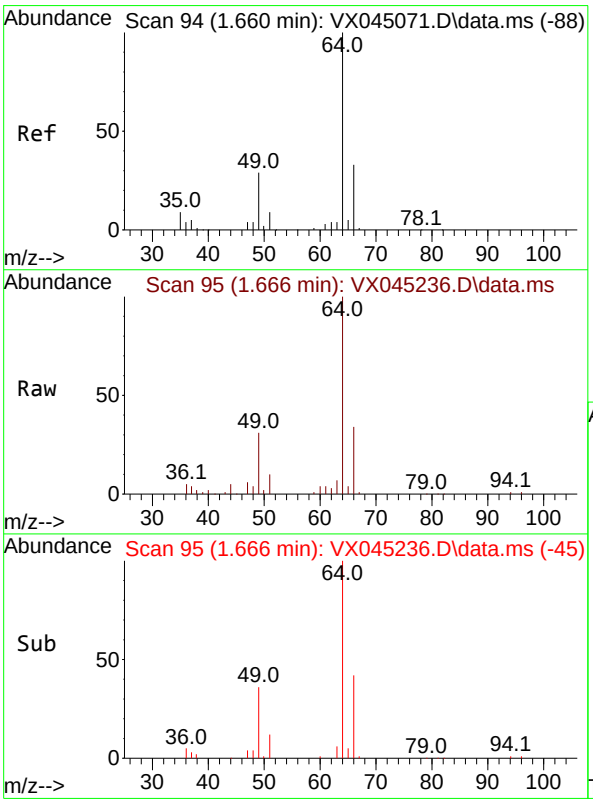
Ion	Ratio	Lower	Upper
94	100		
96	91.3	75.0	112.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

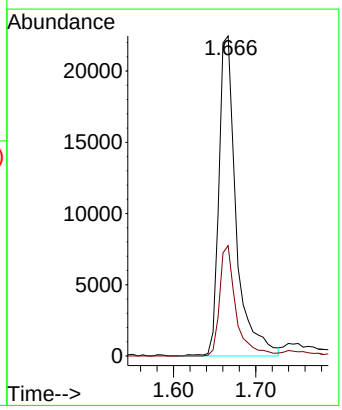
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

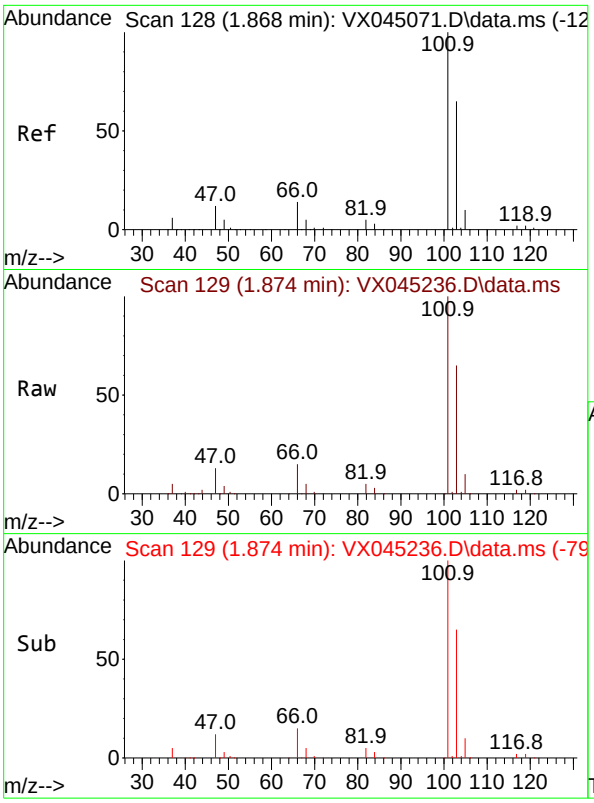


#6
Chloroethane
Concen: 50.284 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 64 Resp: 32802

Ion	Ratio	Lower	Upper
64	100		
66	34.5	26.7	40.1

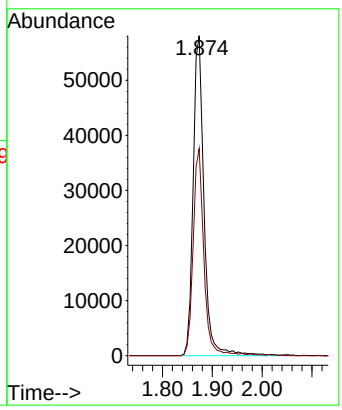




#7
Trichlorofluoromethane
Concen: 46.911 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:101 Resp: 8782

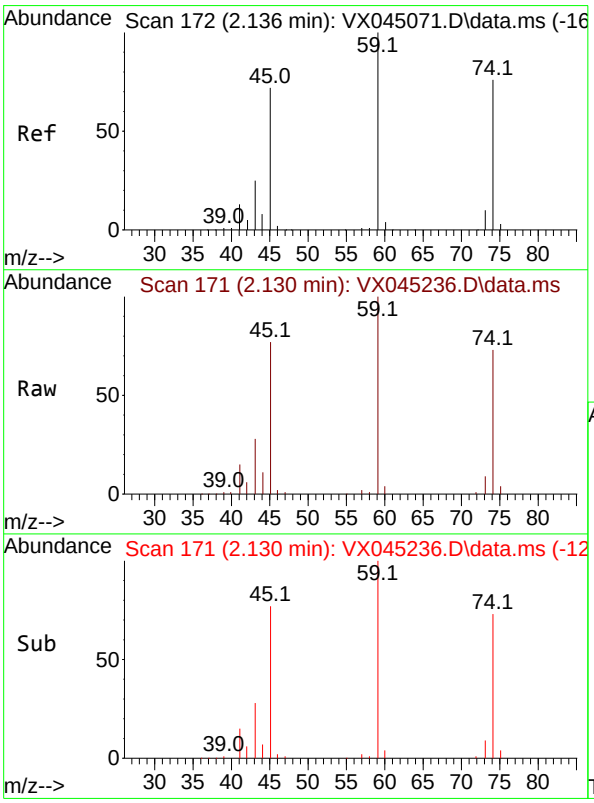
Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

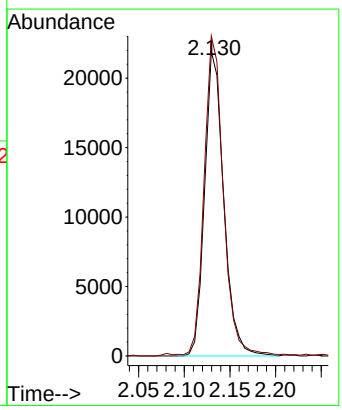
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

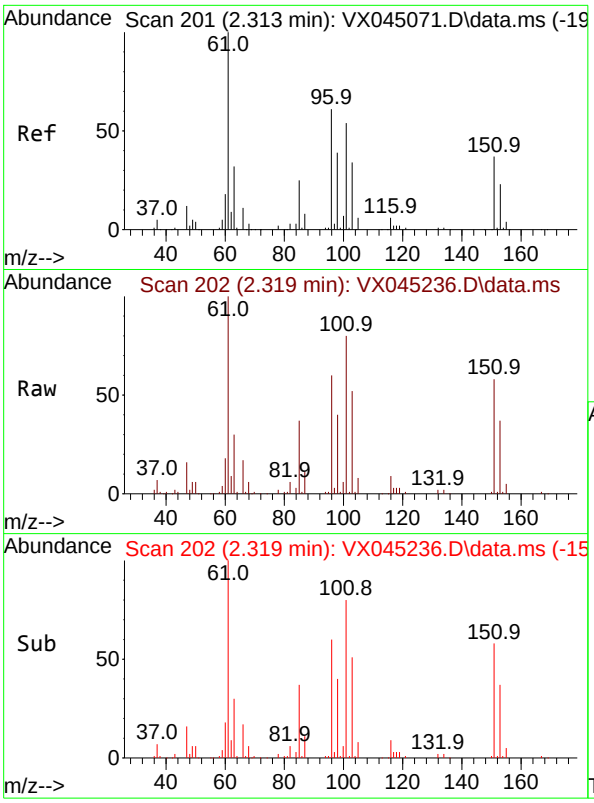


#8
Diethyl Ether
Concen: 43.415 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 74 Resp: 31793

Ion	Ratio	Lower	Upper
74	100		
45	104.5	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.738 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

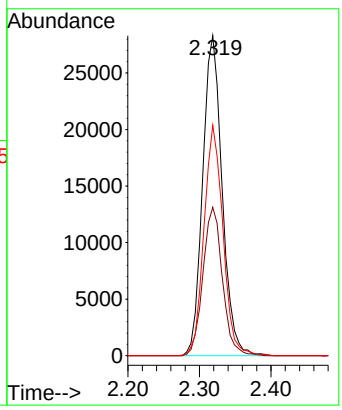
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

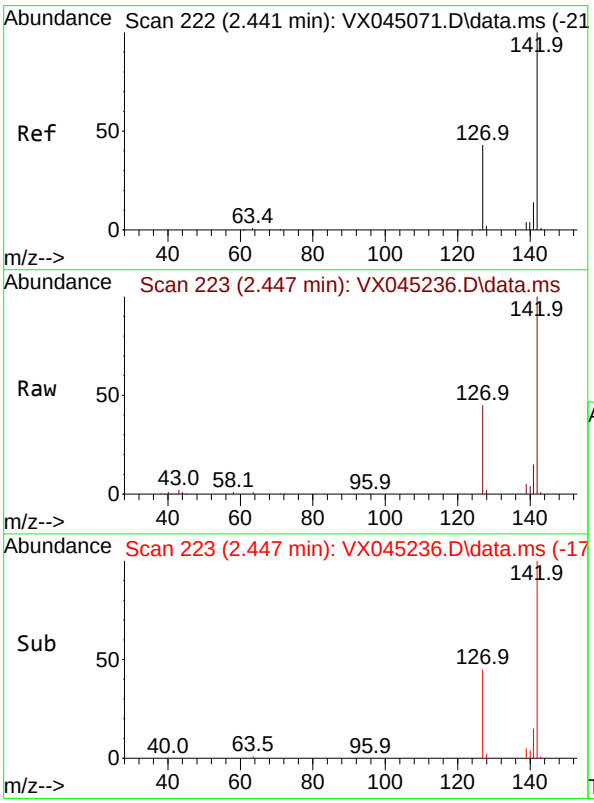
Tgt Ion:101 Resp: 5350

Ion	Ratio	Lower	Upper
101	100		
85	46.3	36.2	54.4
151	70.3	56.4	84.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

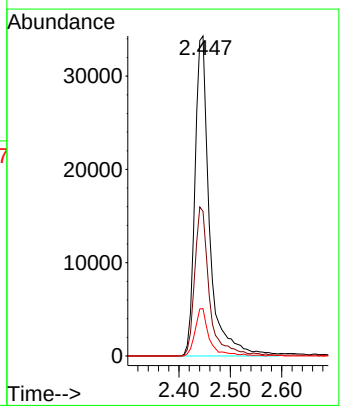


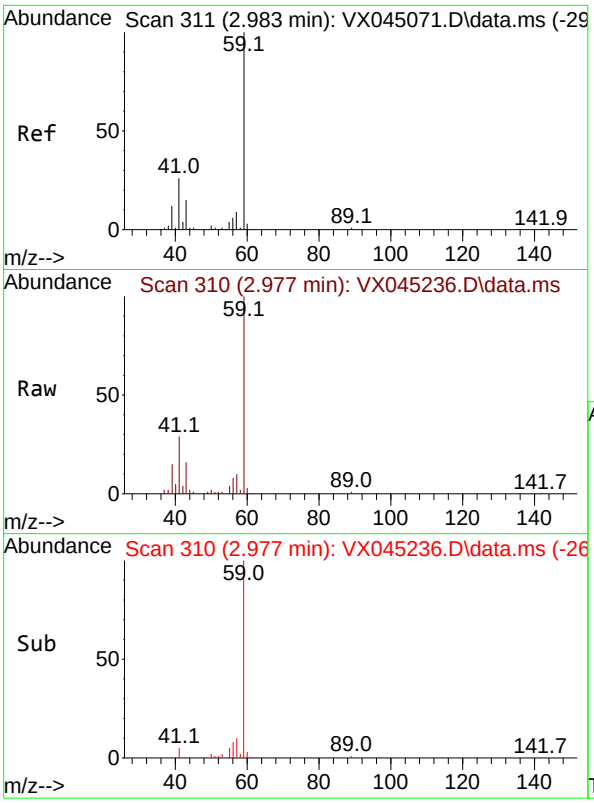


#10
Methyl Iodide
Concen: 50.626 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:142 Resp: 68051

Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	14.4	11.6	17.4





#11
Tert butyl alcohol
Concen: 186.427 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

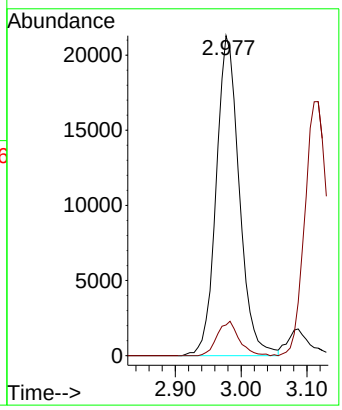
Tgt Ion: 59 Resp: 5198

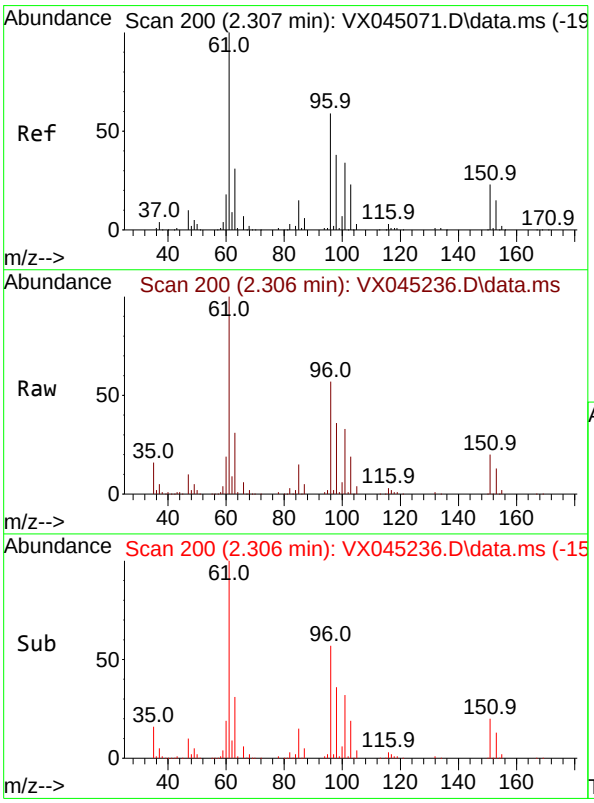
Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

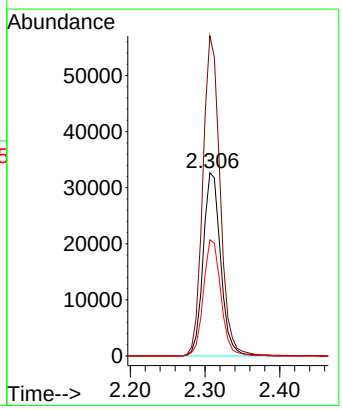


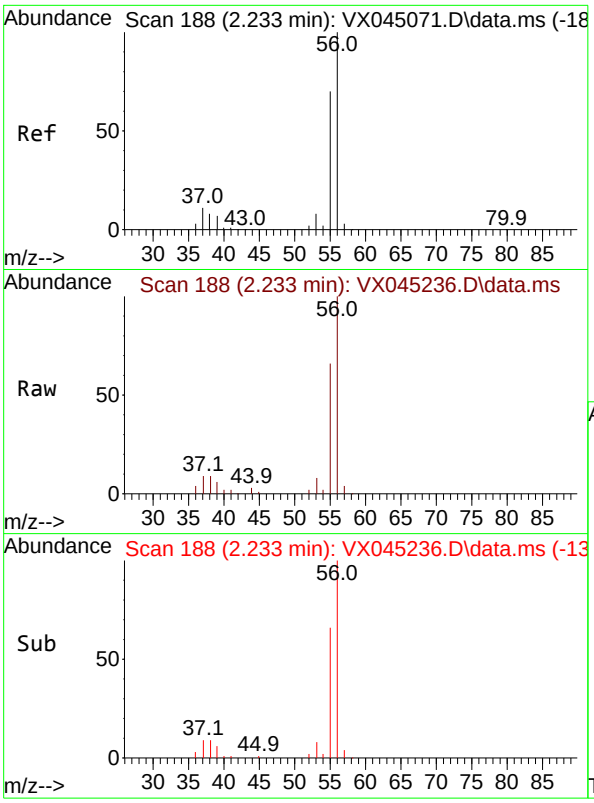


#12
1,1-Dichloroethene
Concen: 46.700 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 96 Resp: 53108

Ion	Ratio	Lower	Upper
96	100		
61	174.6	134.6	202.0
98	63.4	51.0	76.6

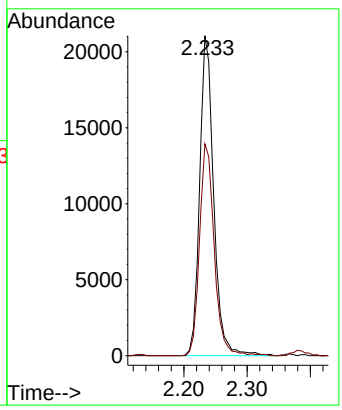




#13
Acrolein
Concen: 100.748 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 56 Resp: 3247

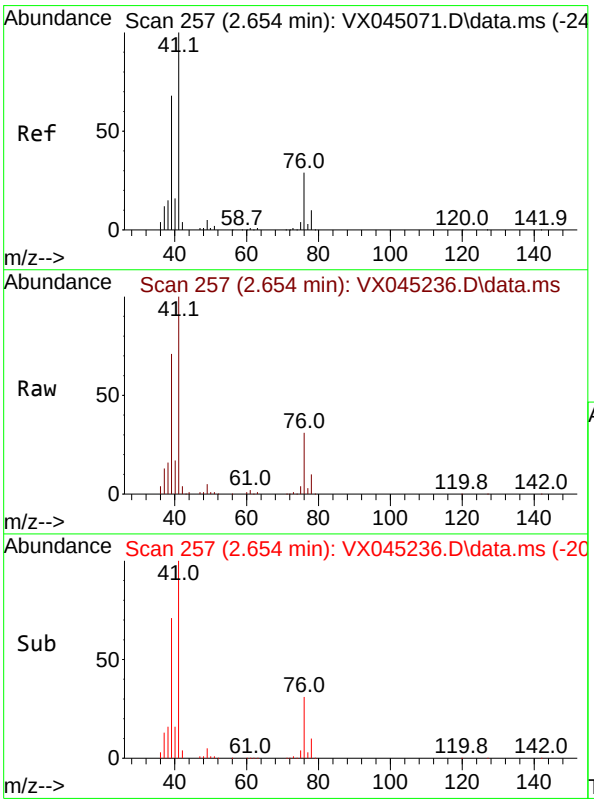
Ion	Ratio	Lower	Upper
56	100		
55	69.6	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

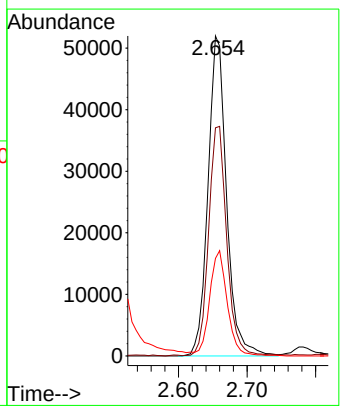
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

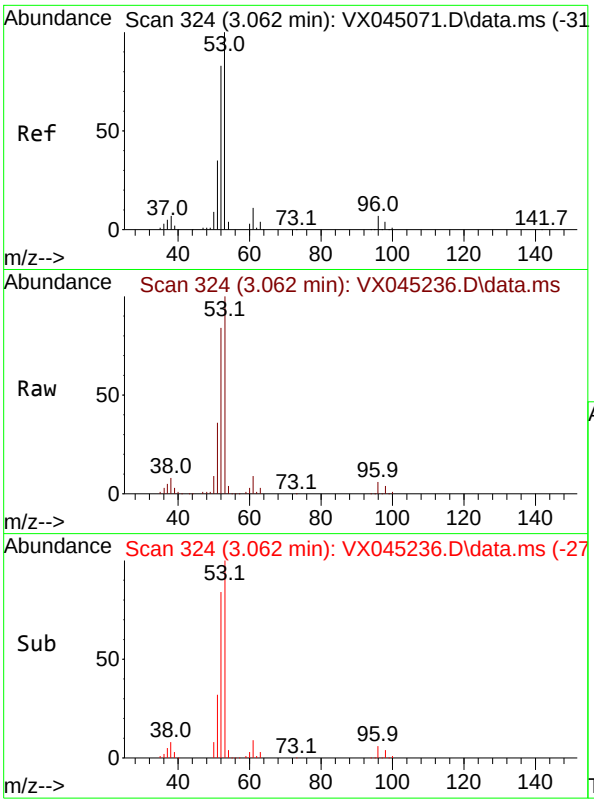


#14
Allyl chloride
Concen: 48.552 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 41 Resp: 98283

Ion	Ratio	Lower	Upper
41	100		
39	69.6	53.8	80.8
76	31.1	25.2	37.8

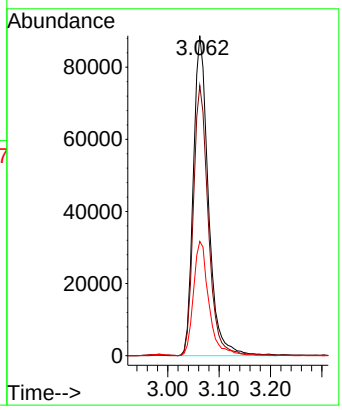




#15
Acrylonitrile
Concen: 243.211 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 53 Resp: 18175

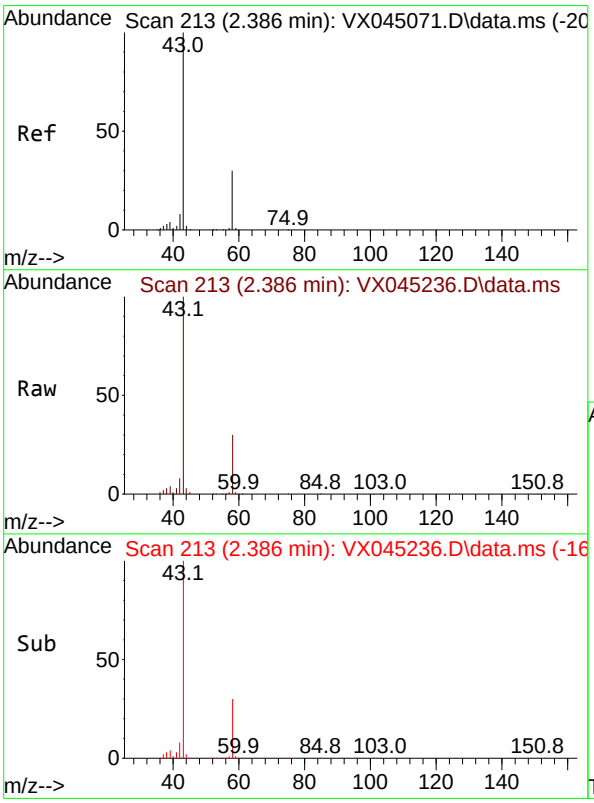
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.2	99.2
51	36.5	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

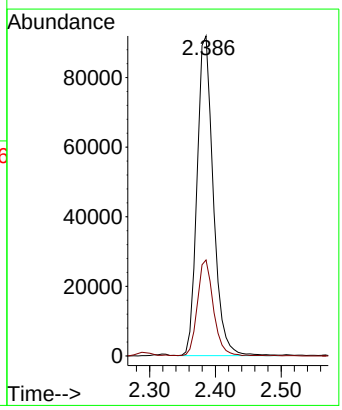
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

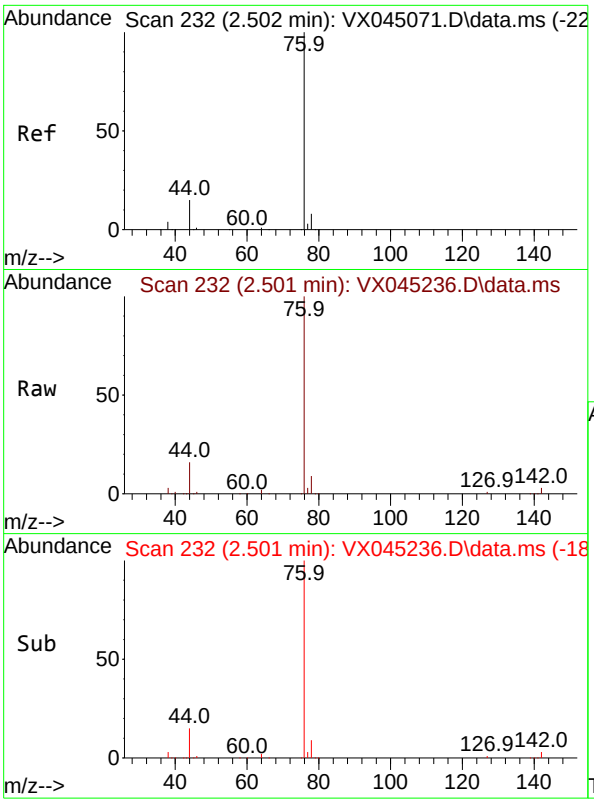


#16
Acetone
Concen: 229.716 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 43 Resp: 156898

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.2	36.4

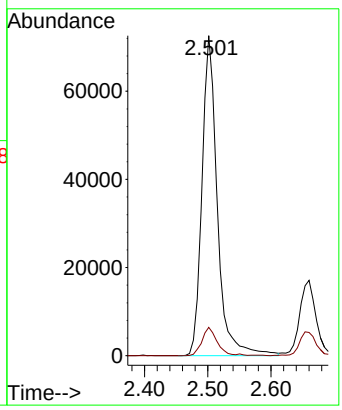




#17
Carbon Disulfide
Concen: 40.503 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 76 Resp: 12268

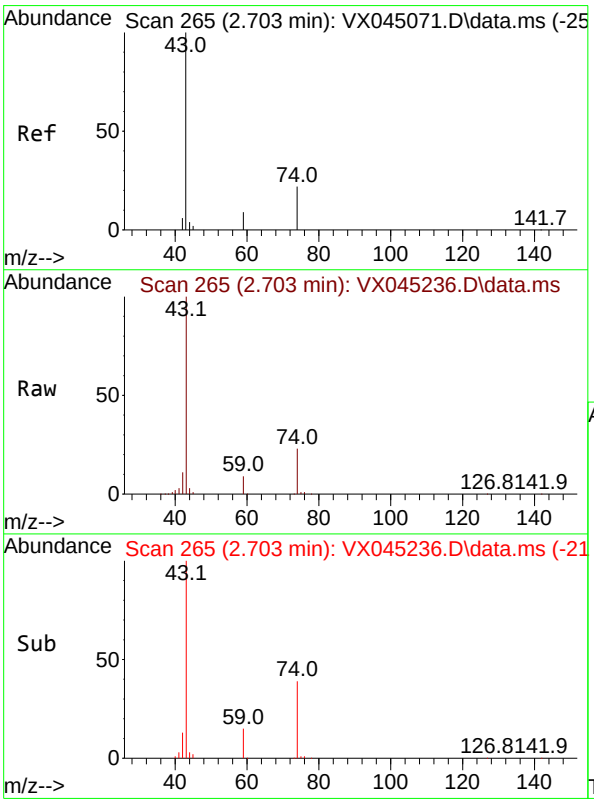
Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

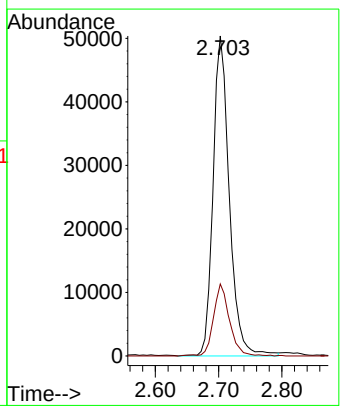
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

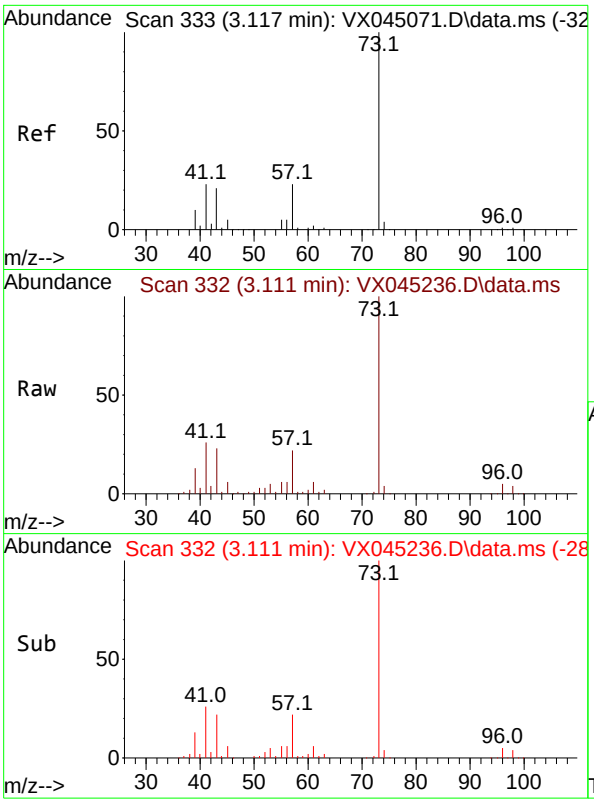


#18
Methyl Acetate
Concen: 54.618 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 43 Resp: 89742

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2





#19
Methyl tert-butyl Ether
Concen: 47.278 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

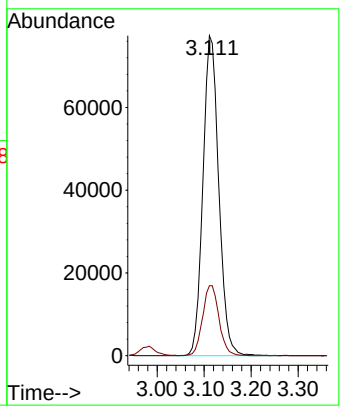
Tgt Ion: 73 Resp: 18038

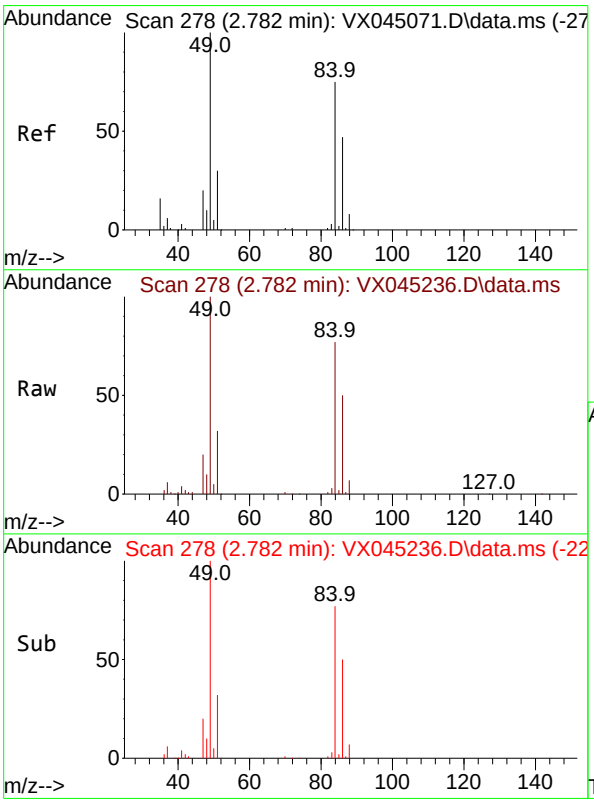
Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.5	27.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

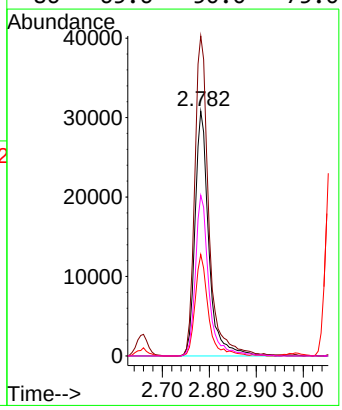


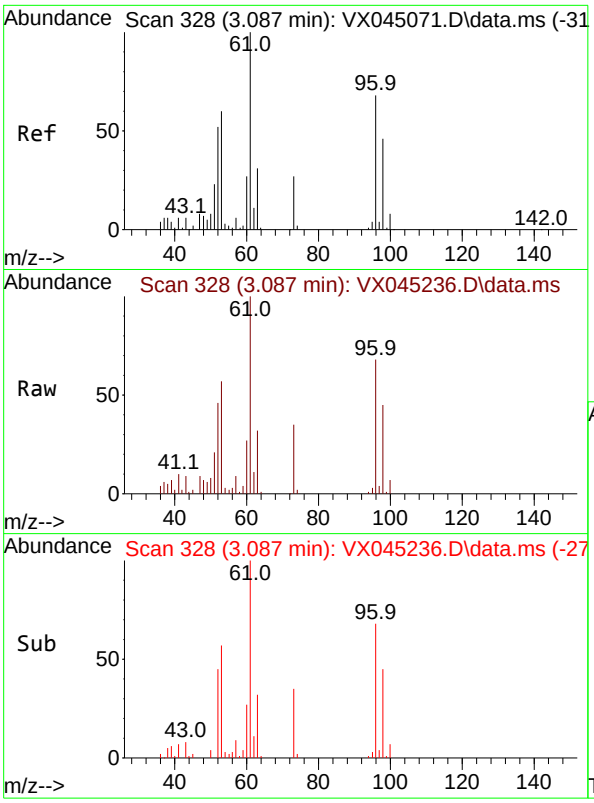


#20
Methylene Chloride
Concen: 46.554 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 84 Resp: 62985

Ion	Ratio	Lower	Upper
84	100		
49	130.7	106.5	159.7
51	41.4	32.1	48.1
86	65.6	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 46.934 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

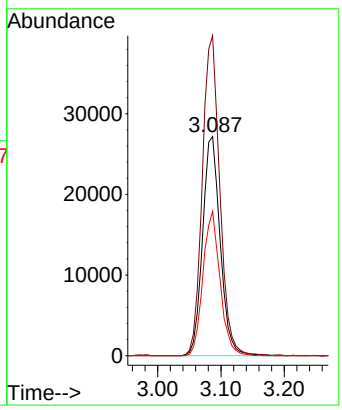
Tgt Ion: 96 Resp: 5272

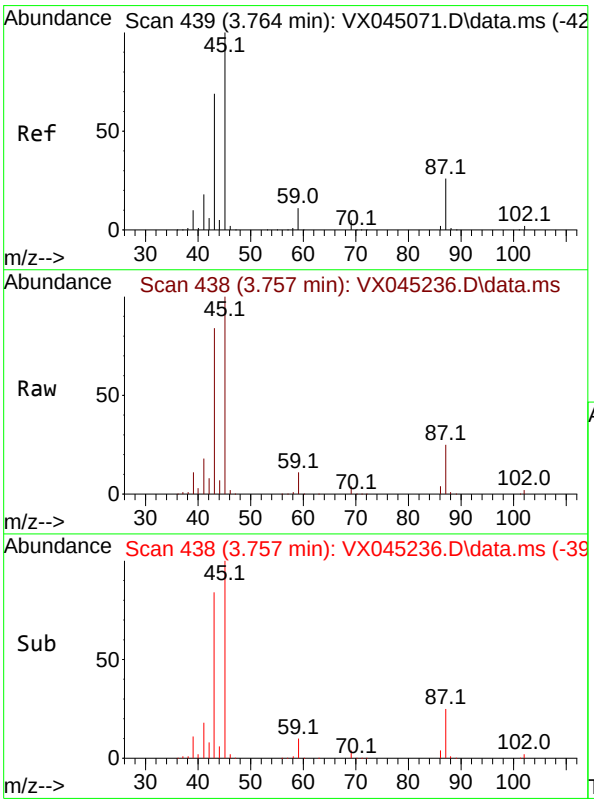
Ion	Ratio	Lower	Upper
96	100		
61	146.1	117.0	175.4
98	65.9	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

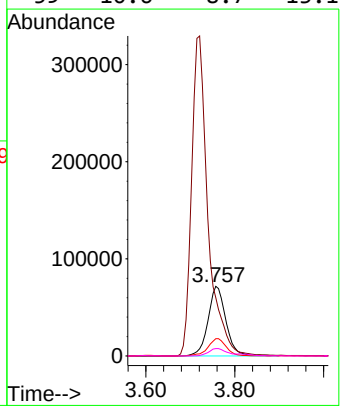


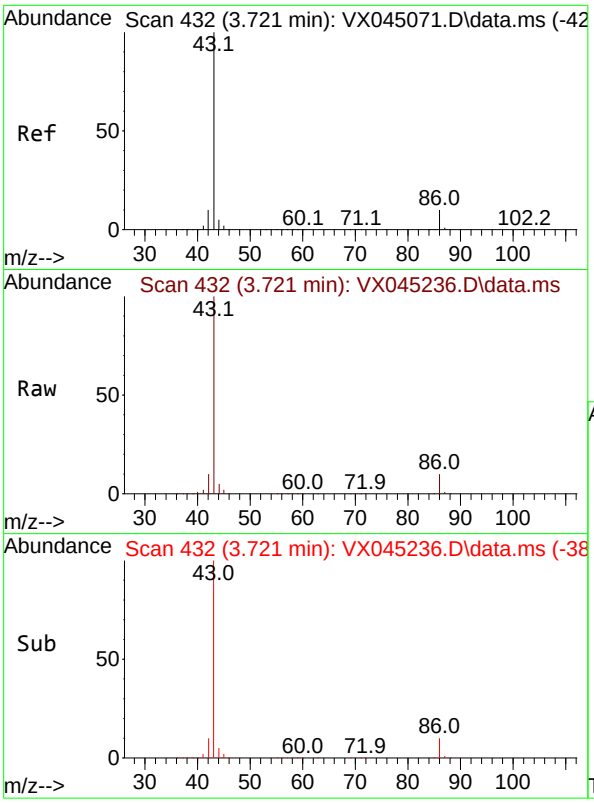


#22
Diisopropyl ether
Concen: 48.635 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 45 Resp: 200226

Ion	Ratio	Lower	Upper
45	100		
43	83.5	54.9	82.3#
87	24.9	21.0	31.4
59	10.6	8.7	13.1

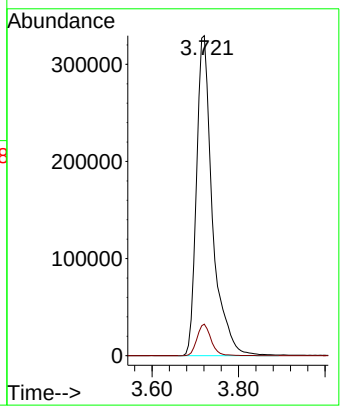




#23
Vinyl Acetate
Concen: 245.688 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 43 Resp: 84407

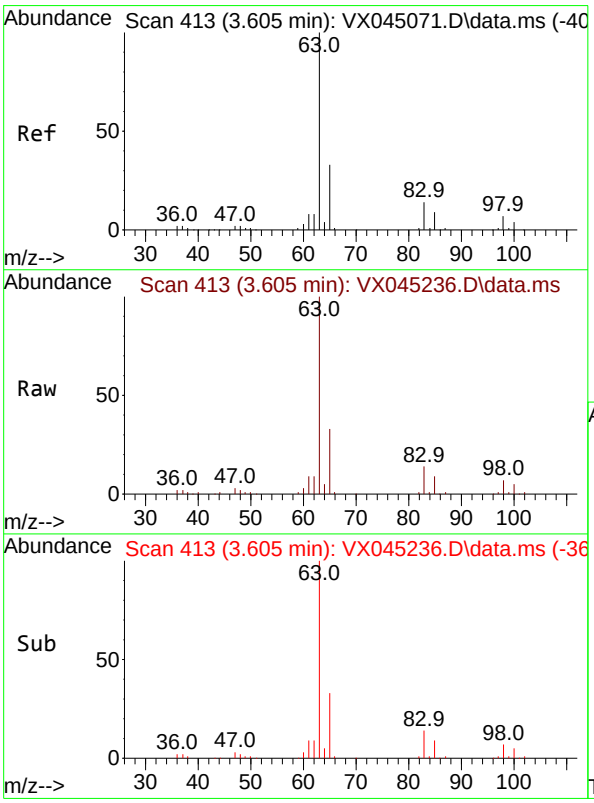
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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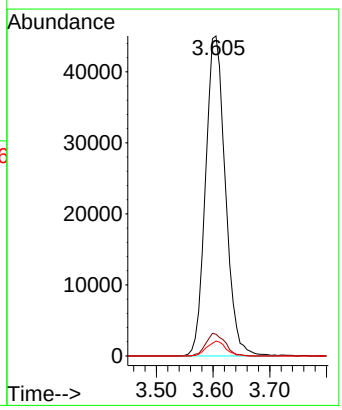
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

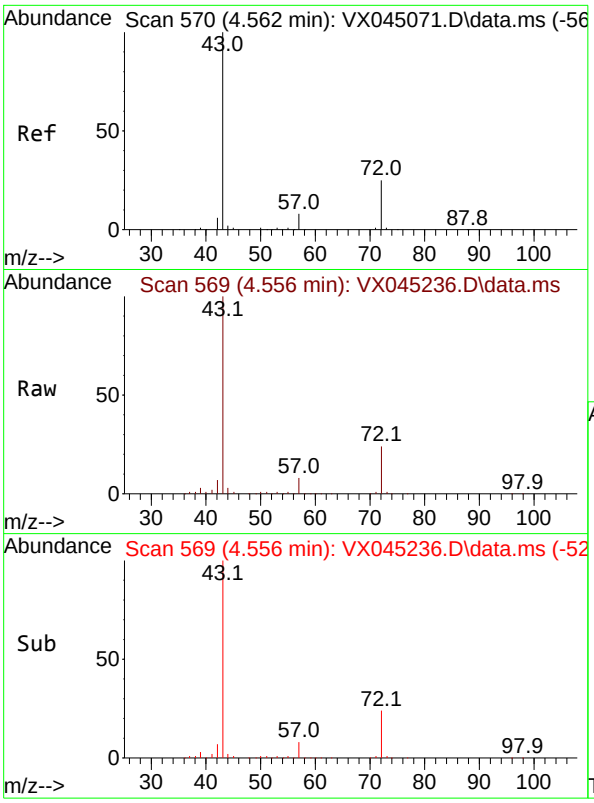


#24
1,1-Dichloroethane
Concen: 47.429 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 63 Resp: 109431

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.7	2.1	6.5





#25
2-Butanone
Concen: 244.195 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

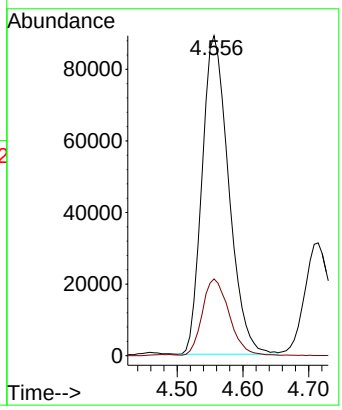
Tgt Ion: 43 Resp: 25105

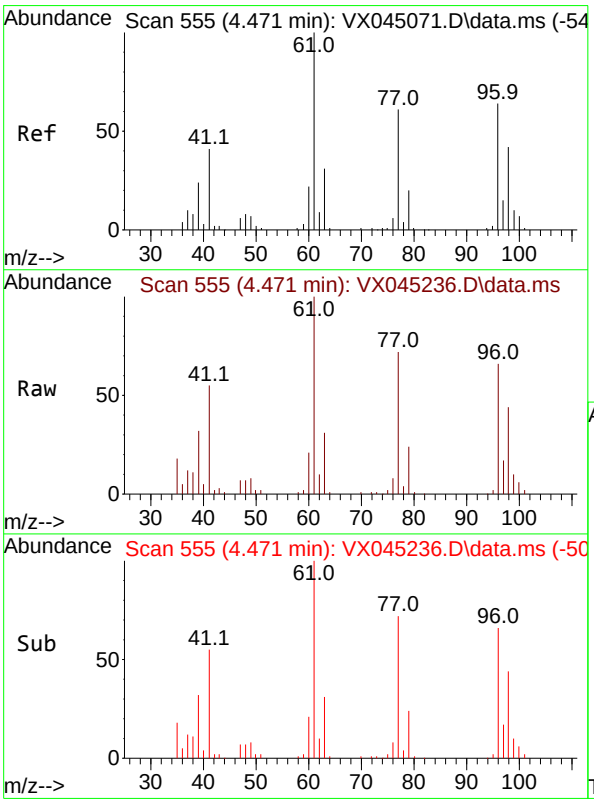
Ion	Ratio	Lower	Upper
43	100		
72	23.9	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

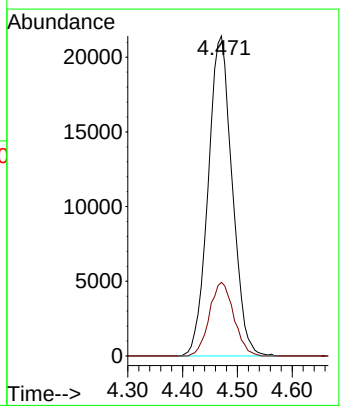


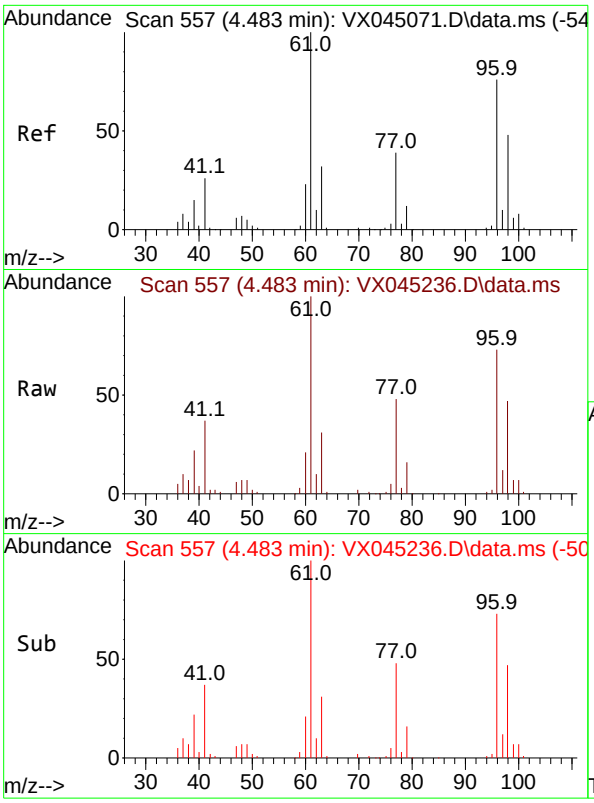


#26
2,2-Dichloropropane
Concen: 60.305 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 77 Resp: 65263

Ion	Ratio	Lower	Upper
77	100		
97	23.3	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 47.873 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

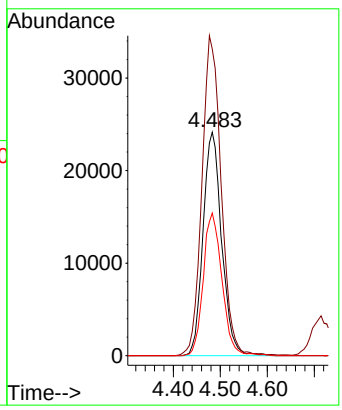
Tgt Ion: 96 Resp: 6639

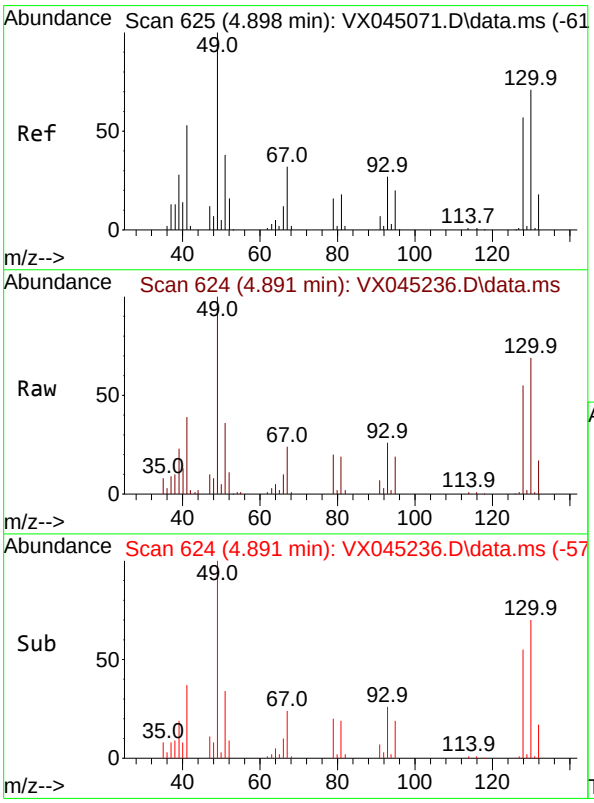
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	283.2
98	64.0	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

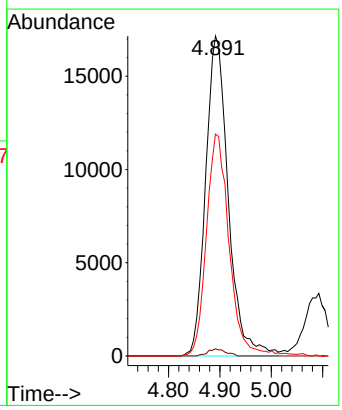


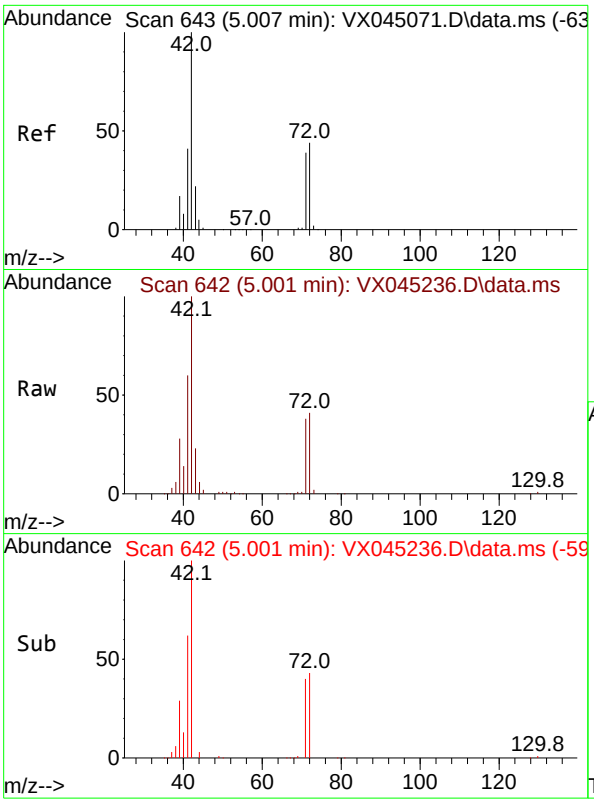


#28
Bromochloromethane
Concen: 47.718 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 49 Resp: 52477

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	69.6	56.1	84.1





#29
Tetrahydrofuran
Concen: 233.669 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

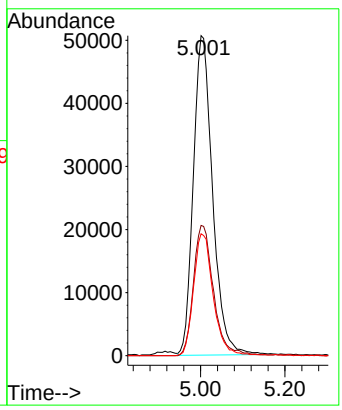
Tgt Ion: 42 Resp: 16132

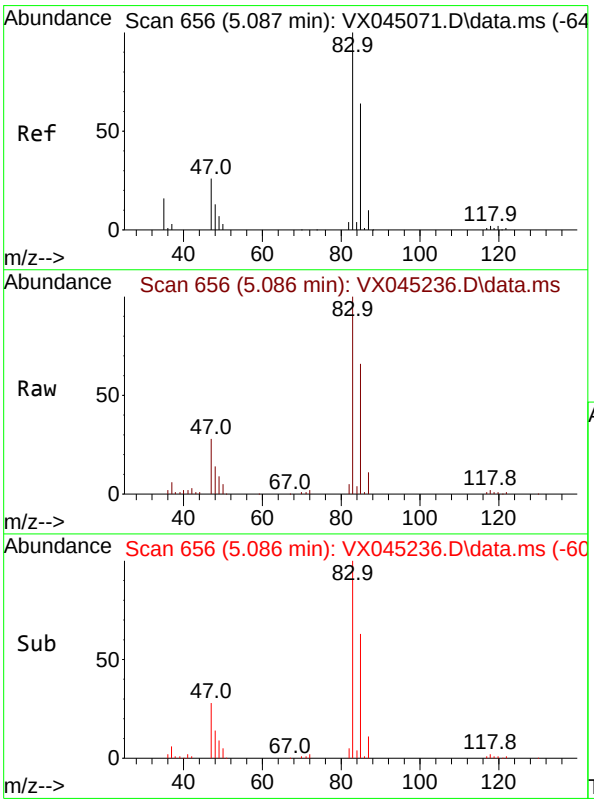
Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.1	51.1
71	38.8	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

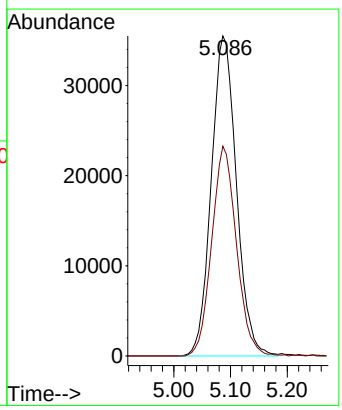


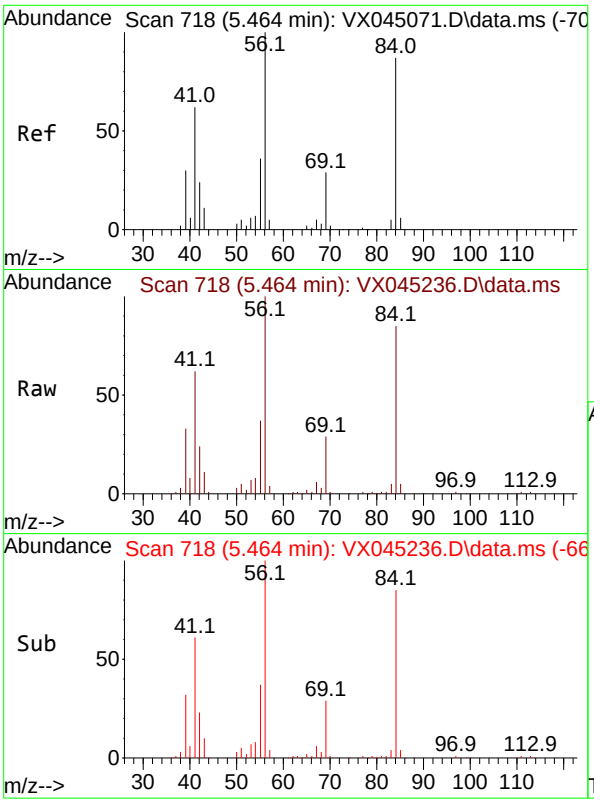


#30
Chloroform
Concen: 47.688 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 83 Resp: 109326

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.4	77.2





#31
Cyclohexane
Concen: 46.852 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

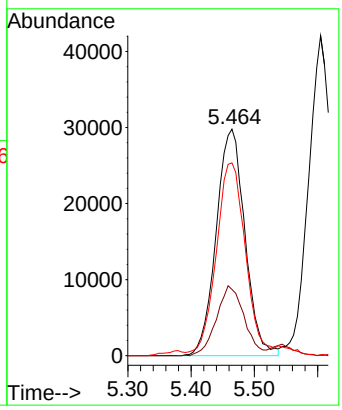
Tgt Ion: 56 Resp: 9383

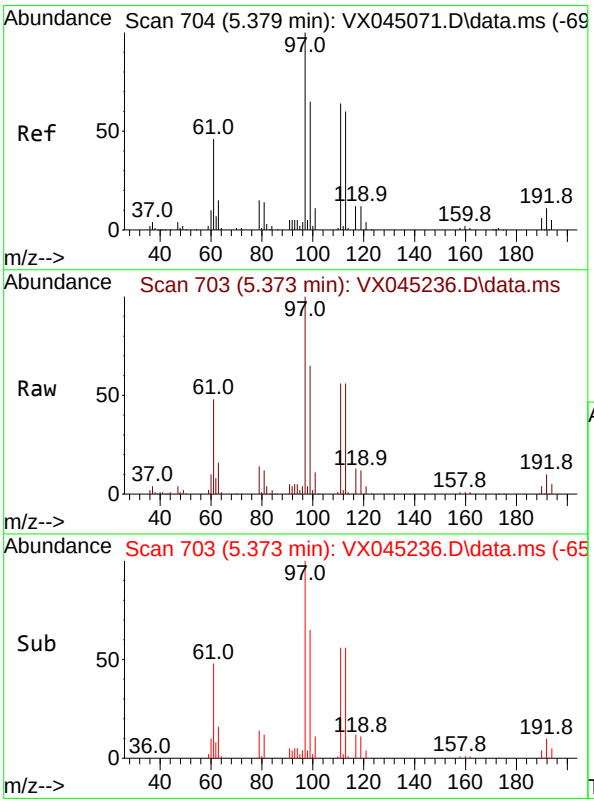
Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.2
84	82.9	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

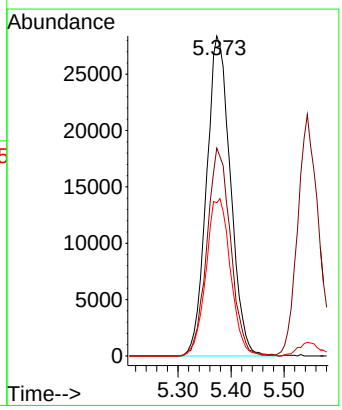


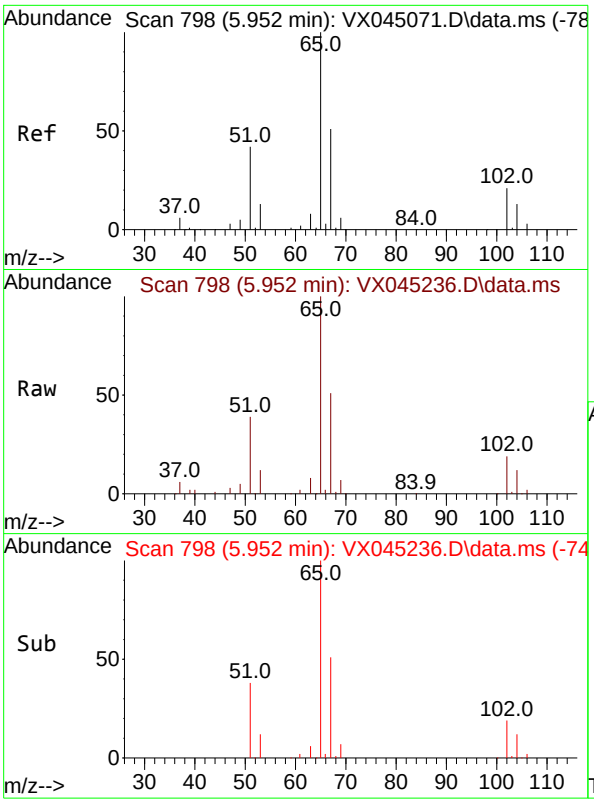


#32
1,1,1-Trichloroethane
Concen: 47.964 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 97 Resp: 88809

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	50.7	38.4	57.6

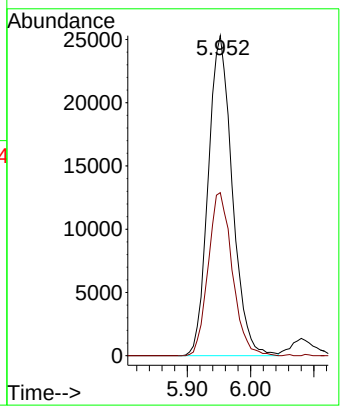




#33
1,2-Dichloroethane-d4
Concen: 45.363 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 65 Resp: 6677

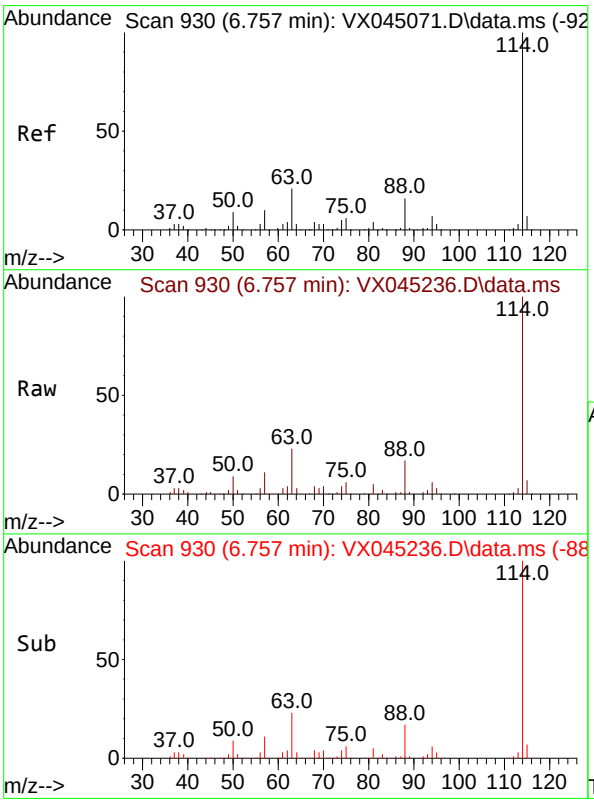
Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

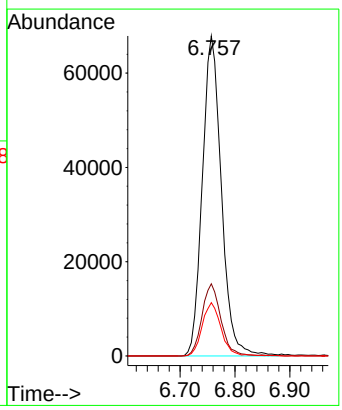
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

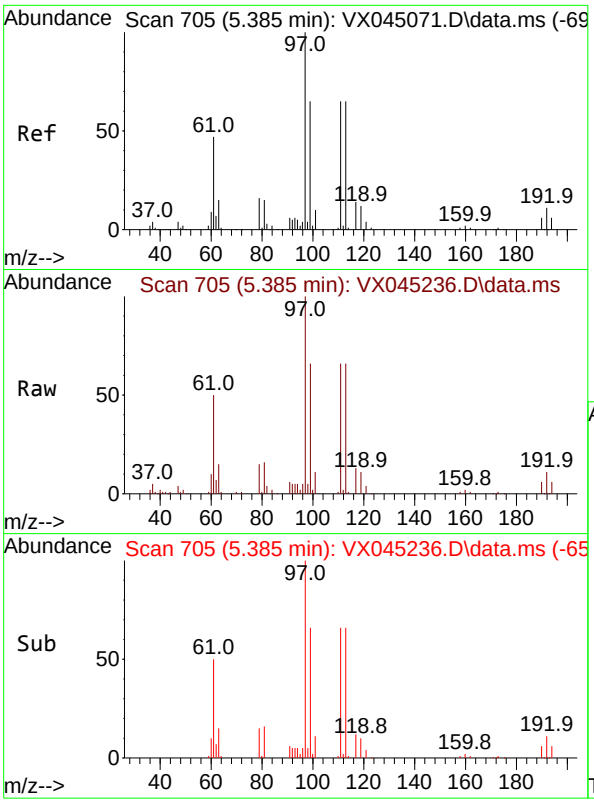


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:114 Resp: 163844

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

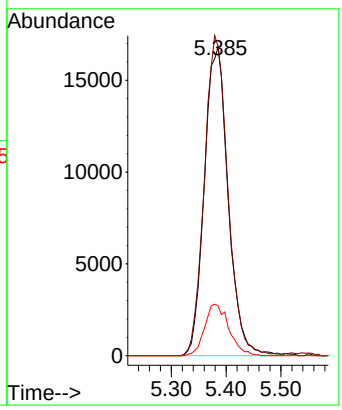




#35
Dibromofluoromethane
Concen: 46.280 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:113 Resp: 5070

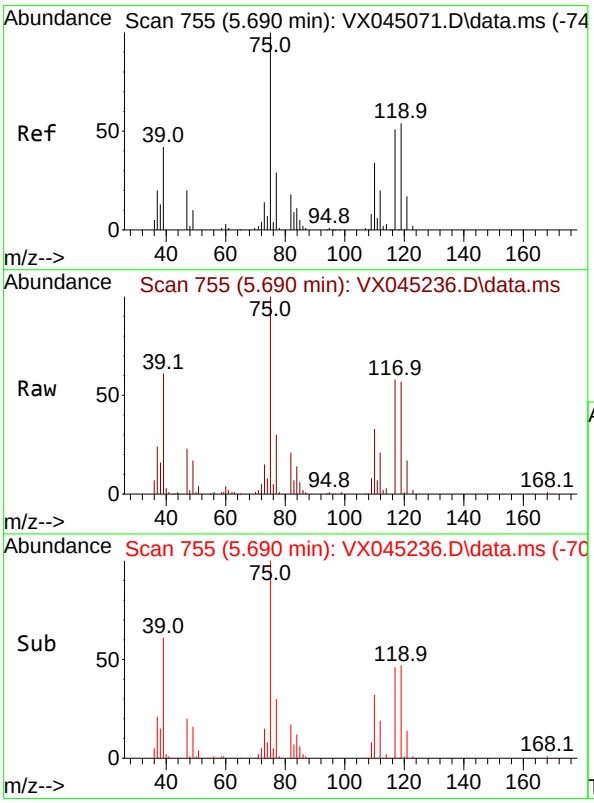
Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	17.0	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

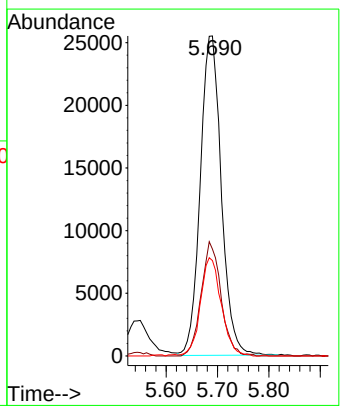
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

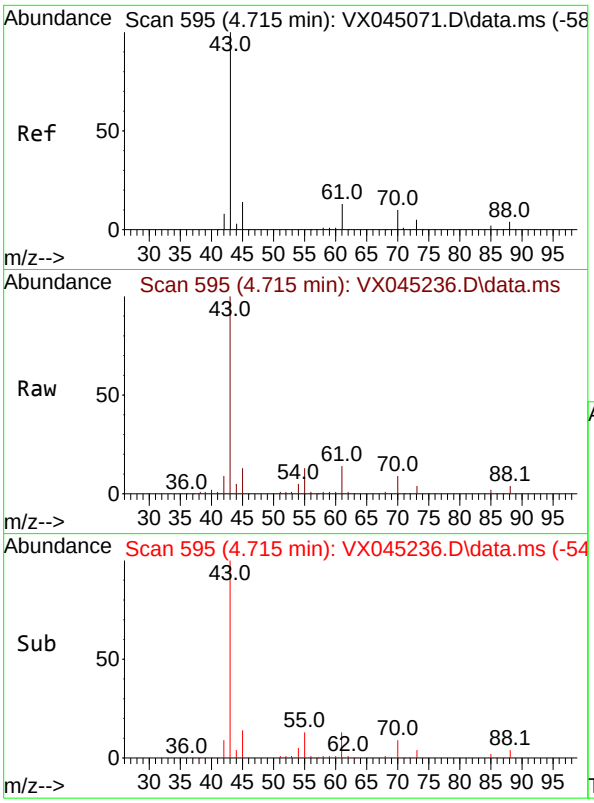


#36
1,1-Dichloropropene
Concen: 48.325 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 75 Resp: 72608

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.5	24.5	36.7

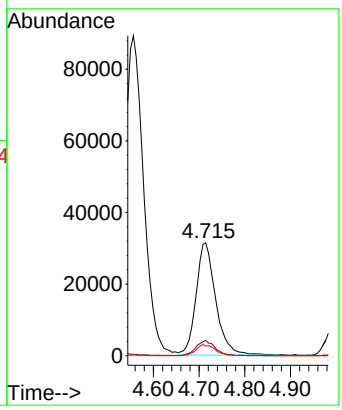




#37
Ethyl Acetate
Concen: 48.257 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 43 Resp: 9342

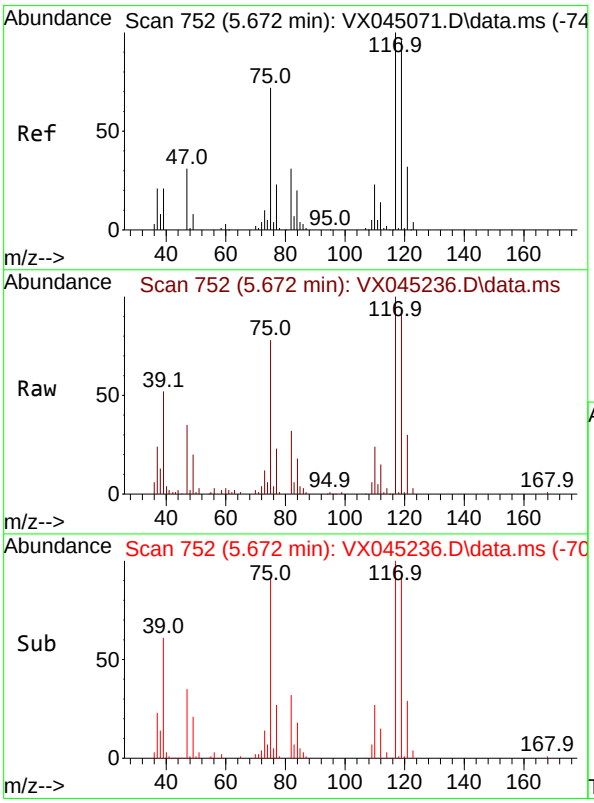
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	9.7	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

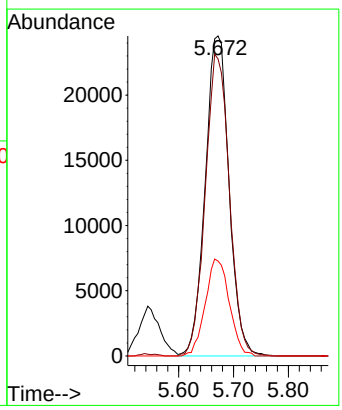
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

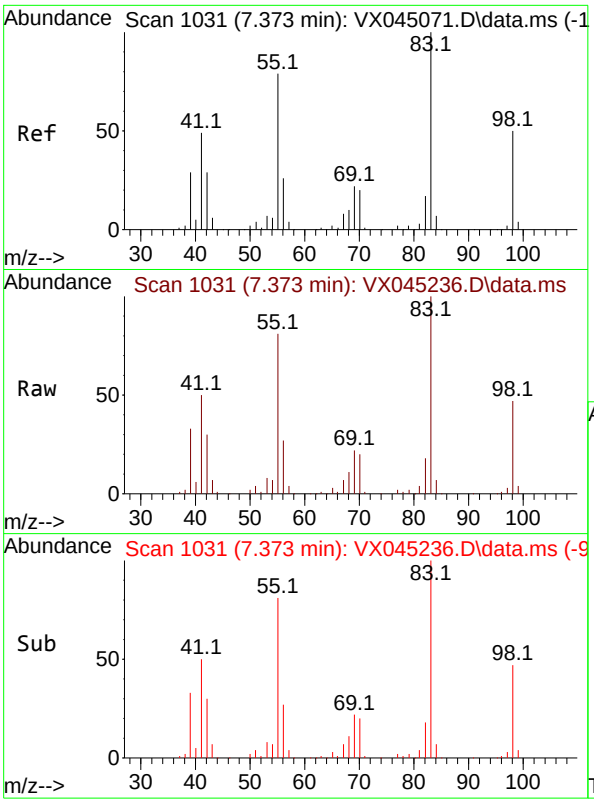


#38
Carbon Tetrachloride
Concen: 48.524 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:117 Resp: 74018

Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.7	115.1
121	29.6	25.5	38.3





#39
Methylcyclohexane
Concen: 49.918 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

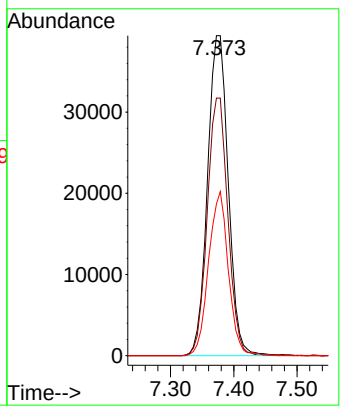
Tgt Ion: 83 Resp: 8986

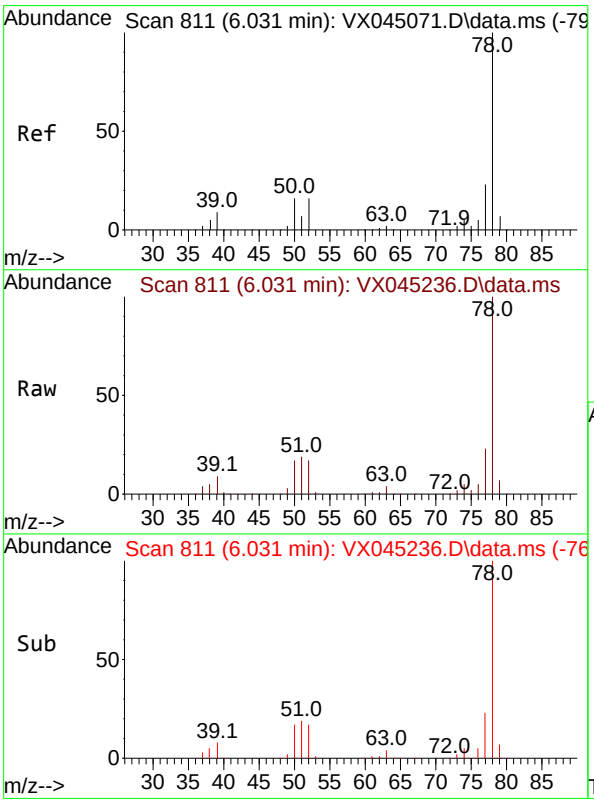
Ion	Ratio	Lower	Upper
83	100		
55	80.5	63.0	94.4
98	47.4	39.7	59.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

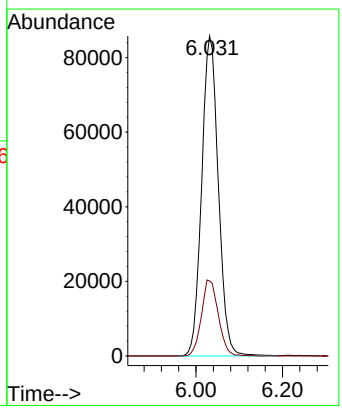


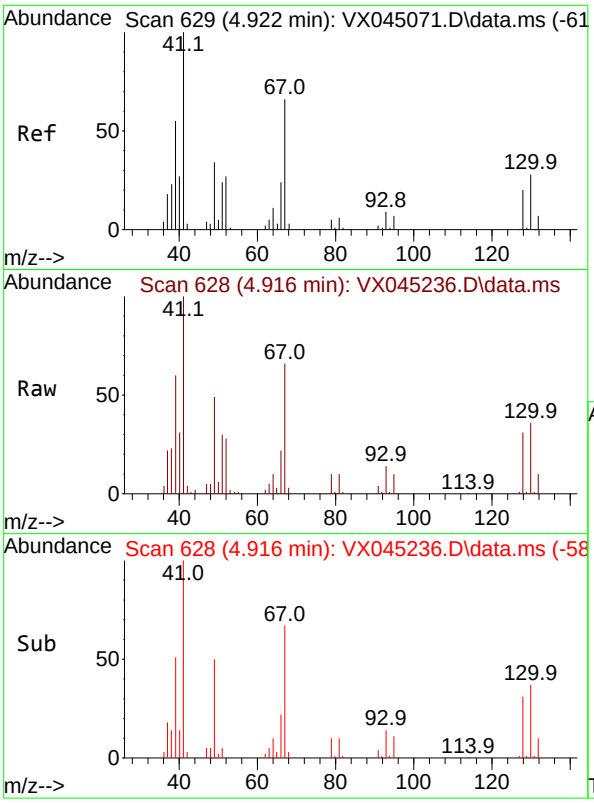


#40
Benzene
Concen: 48.279 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 78 Resp: 229062

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

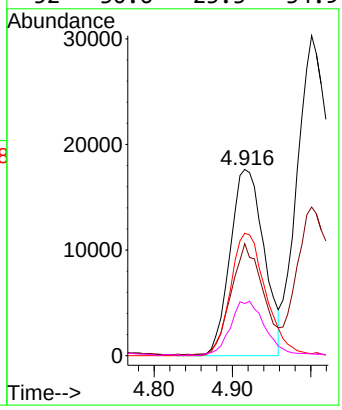




#41
Methacrylonitrile
Concen: 50.825 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 41 Resp: 5320

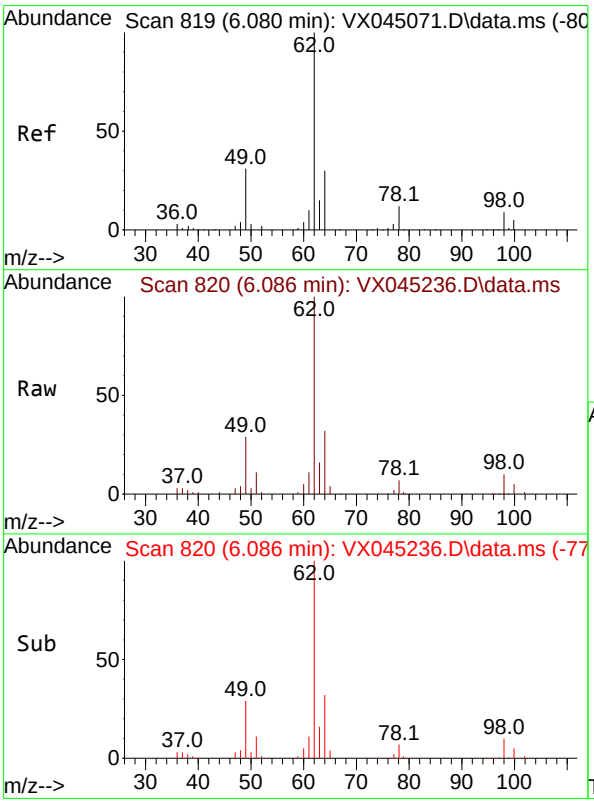
Ion	Ratio	Lower	Upper
41	100		
39	56.0	44.6	67.0
67	68.5	53.9	80.9
52	30.6	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

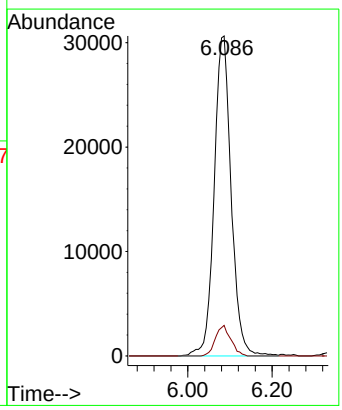
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

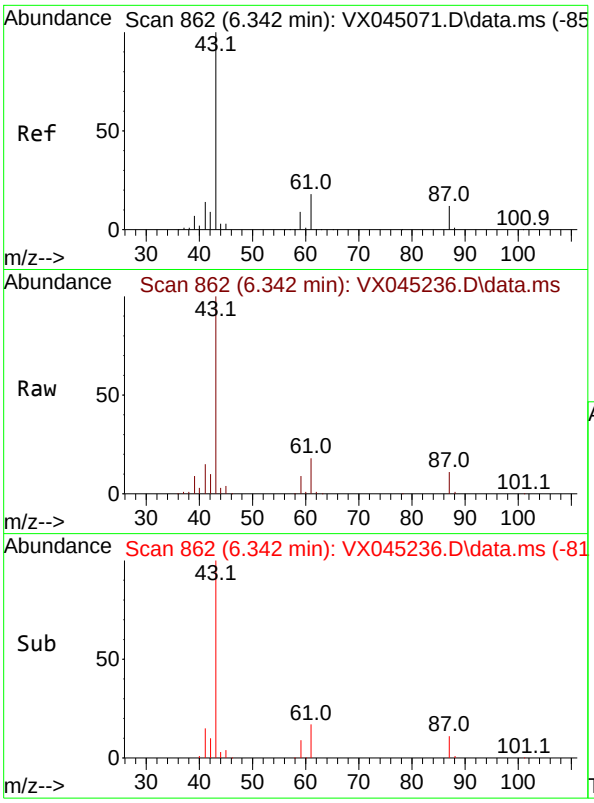


#42
1,2-Dichloroethane
Concen: 50.114 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 62 Resp: 85619

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2

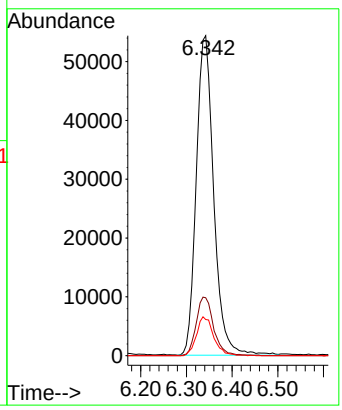




#43
Isopropyl Acetate
Concen: 50.354 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 43 Resp: 14415

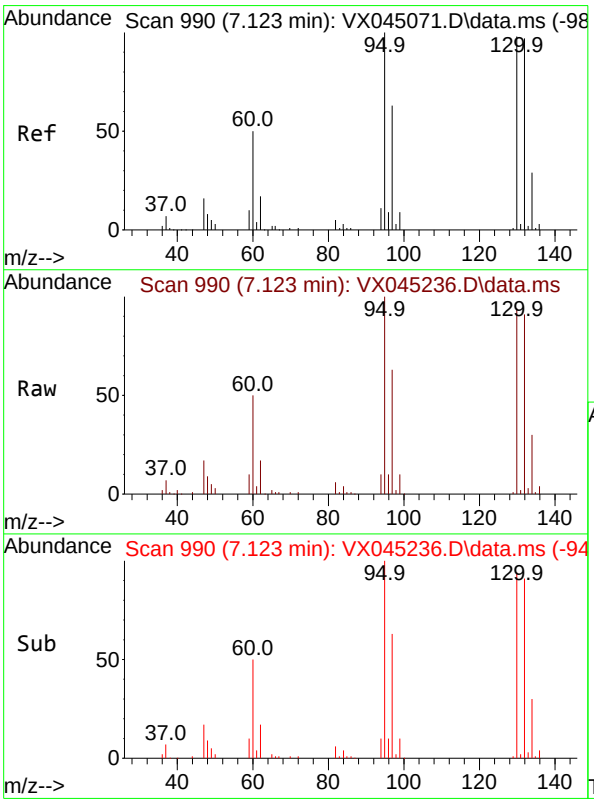
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.9	22.3
87	11.9	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

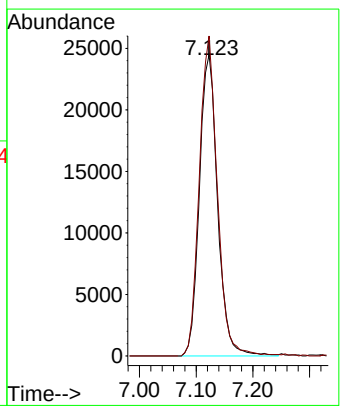
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

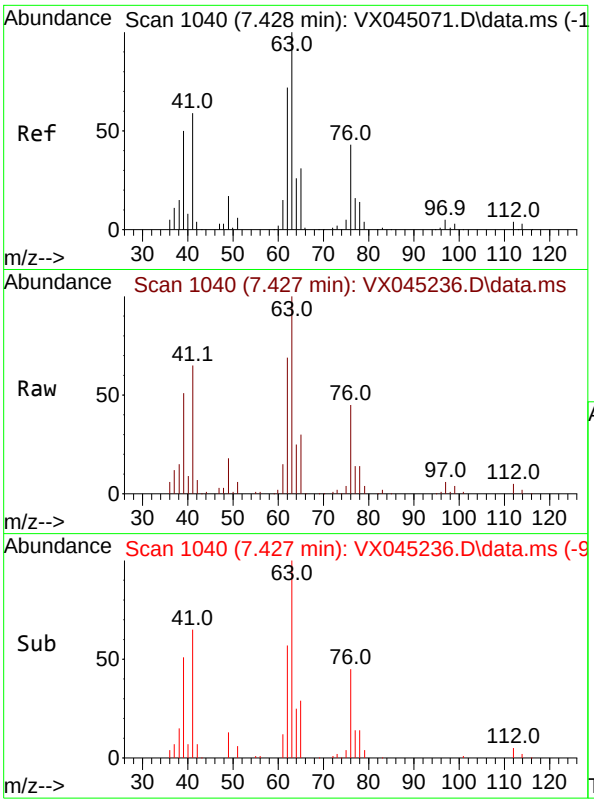


#44
Trichloroethene
Concen: 48.992 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:130 Resp: 54580

Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	205.0





#45
1,2-Dichloropropane
Concen: 47.849 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

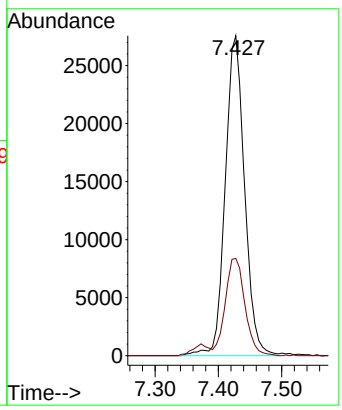
Tgt Ion: 63 Resp: 5836

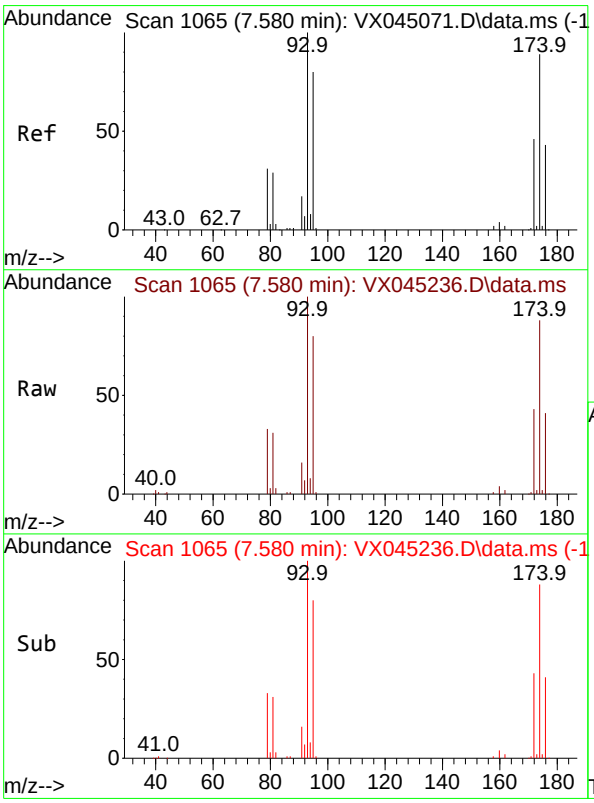
Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

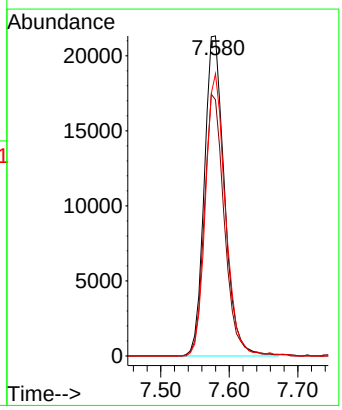


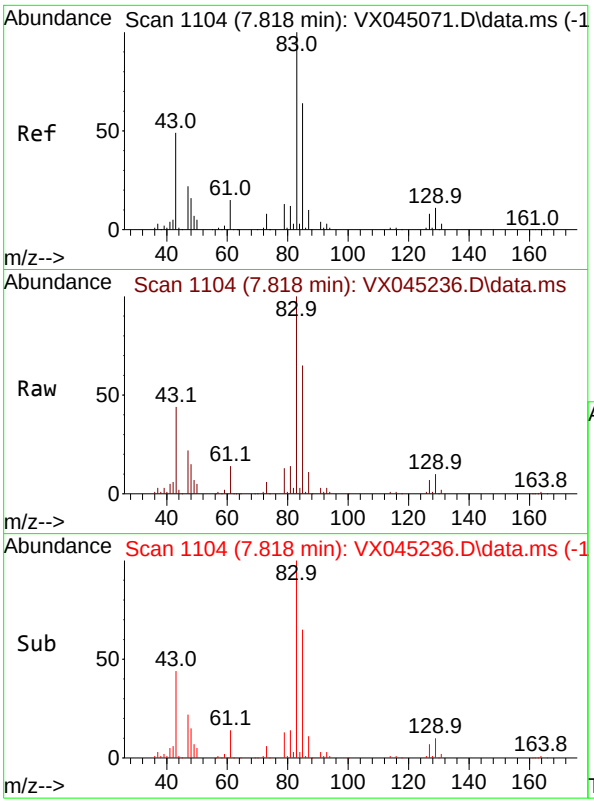


#46
Dibromomethane
Concen: 50.517 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 93 Resp: 43556

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.8	98.8
174	86.9	72.2	108.2

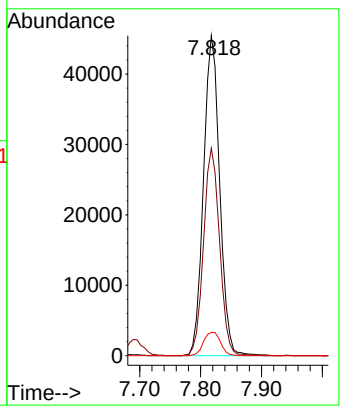




#47
Bromodichloromethane
Concen: 49.493 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 83 Resp: 8370

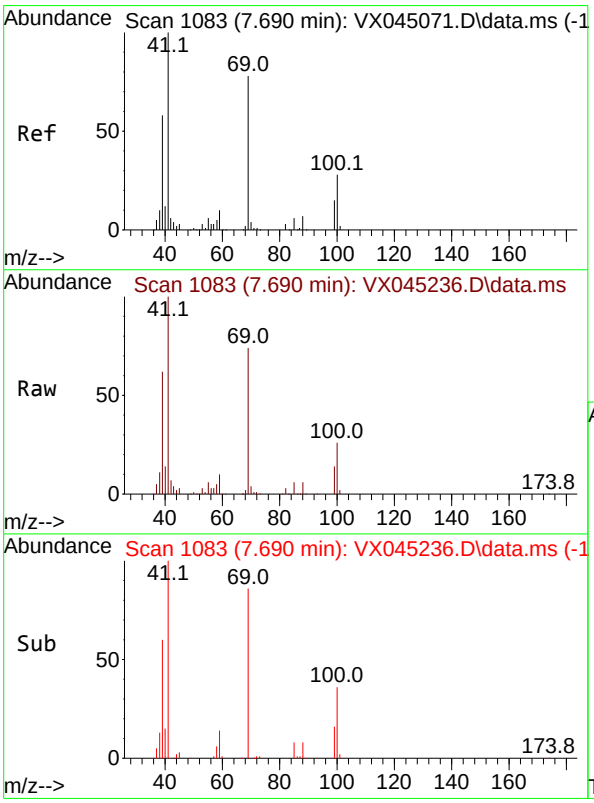
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.1	76.7
127	7.2	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

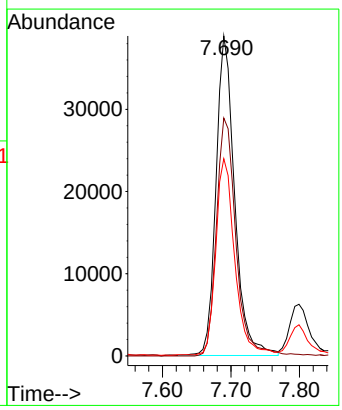
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

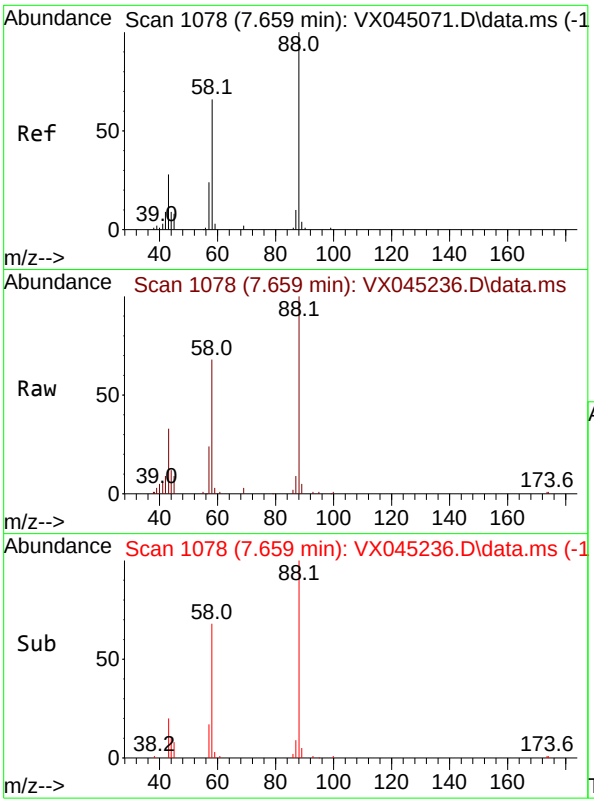


#48
Methyl methacrylate
Concen: 50.982 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 41 Resp: 73223

Ion	Ratio	Lower	Upper
41	100		
69	78.4	63.0	94.6
39	62.1	47.5	71.3





#49
1,4-Dioxane
Concen: 921.987 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

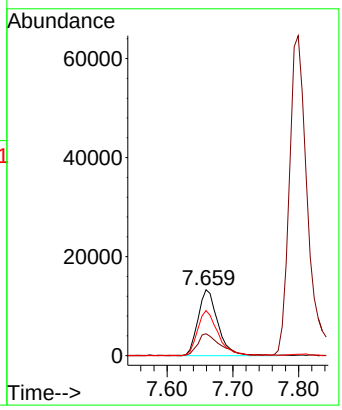
Tgt Ion: 88 Resp: 2793

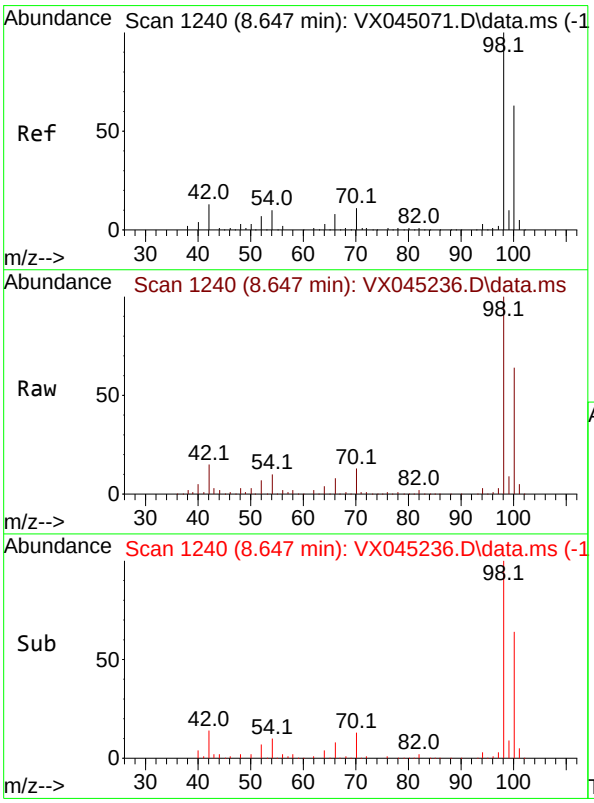
Ion	Ratio	Lower	Upper
88	100		
43	37.4	28.7	43.1
58	70.6	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

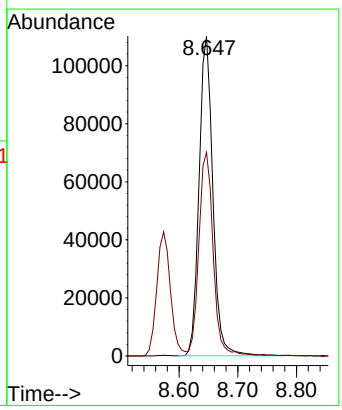


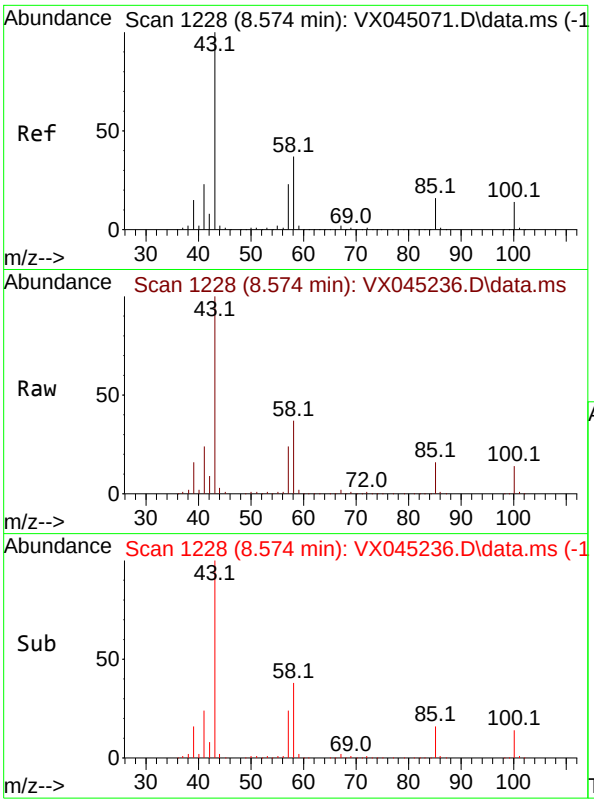


#50
Toluene-d8
Concen: 45.304 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 98 Resp: 179940

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 265.178 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

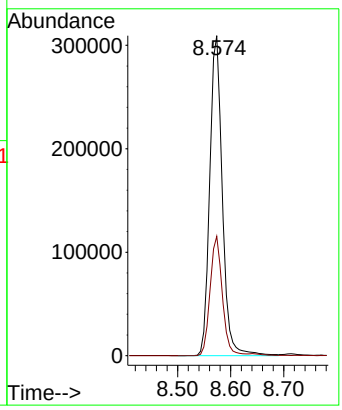
Tgt Ion: 43 Resp: 50973

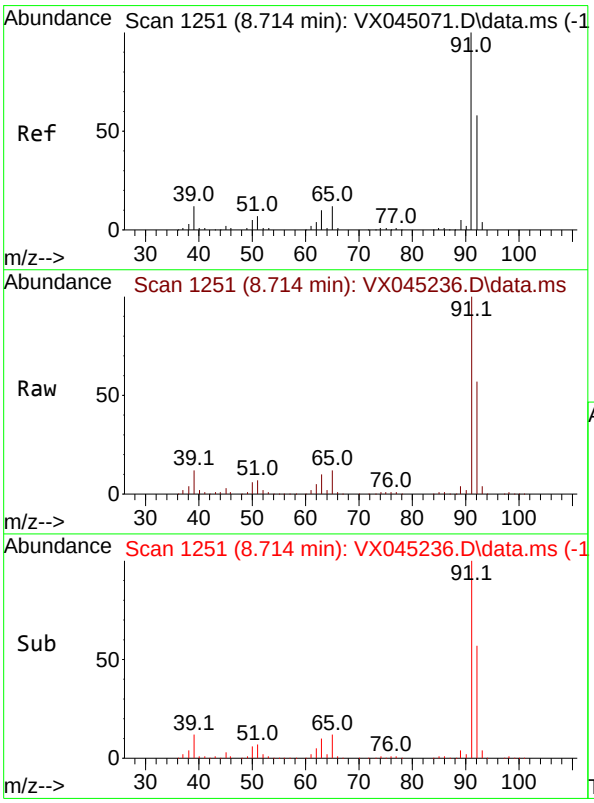
Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

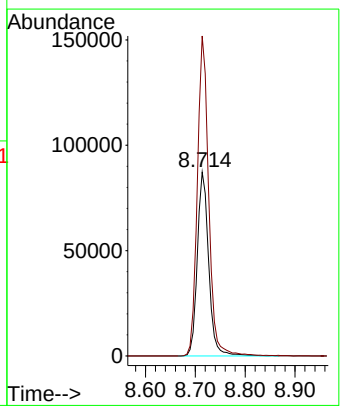


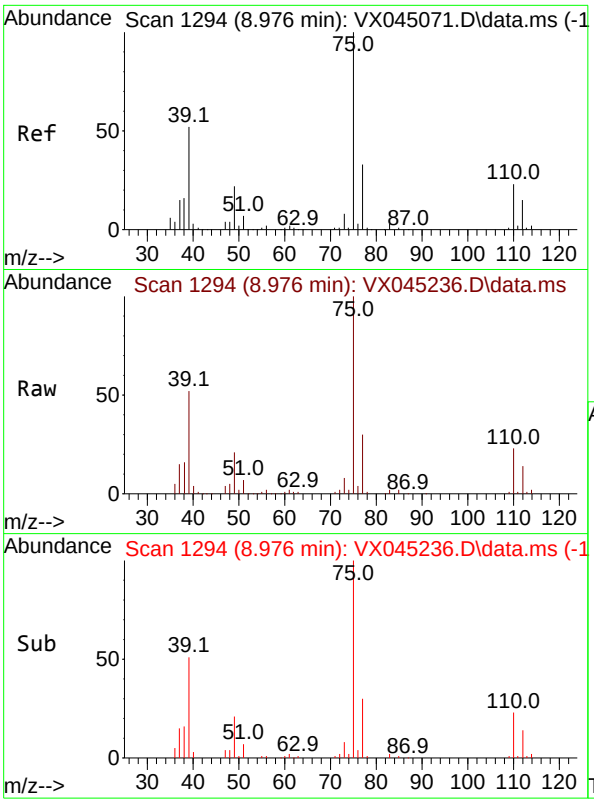


#52
Toluene
Concen: 49.706 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 92 Resp: 138365

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3

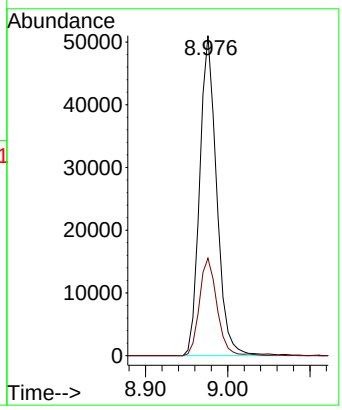




#53
t-1,3-Dichloropropene
Concen: 51.776 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 75 Resp: 7320

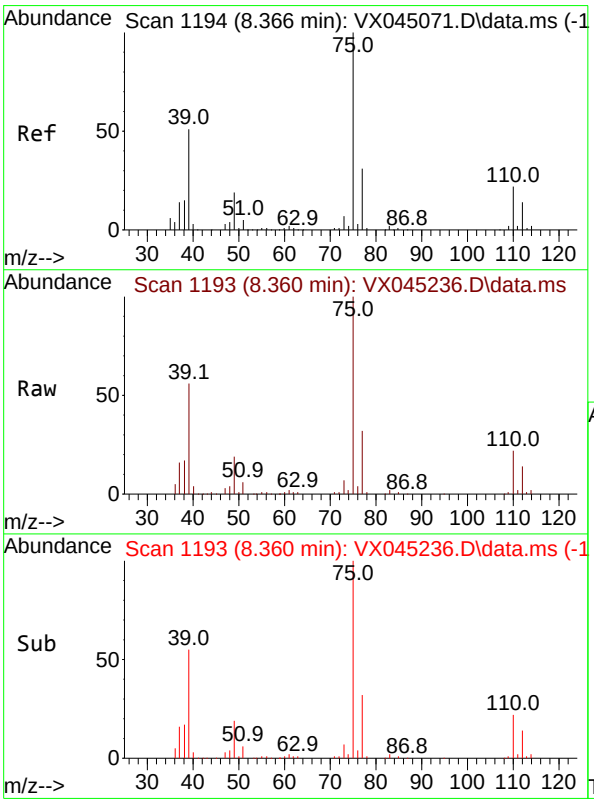
Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

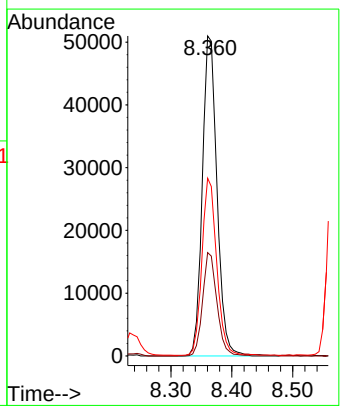
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

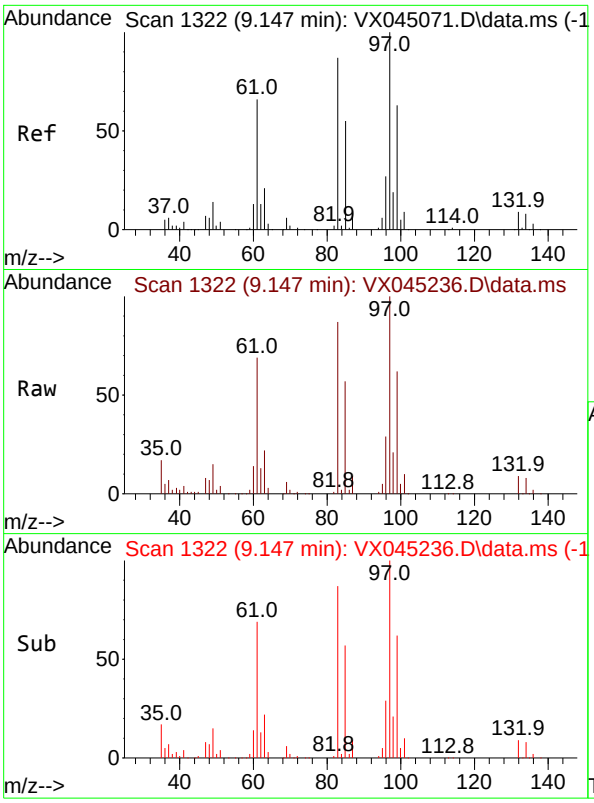


#54
cis-1,3-Dichloropropene
Concen: 51.871 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 75 Resp: 85519

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	55.3	40.7	61.1

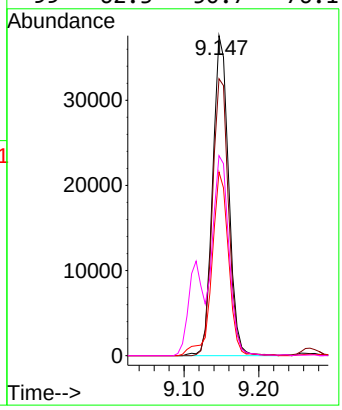




#55
1,1,2-Trichloroethane
Concen: 48.779 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 97 Resp: 5590

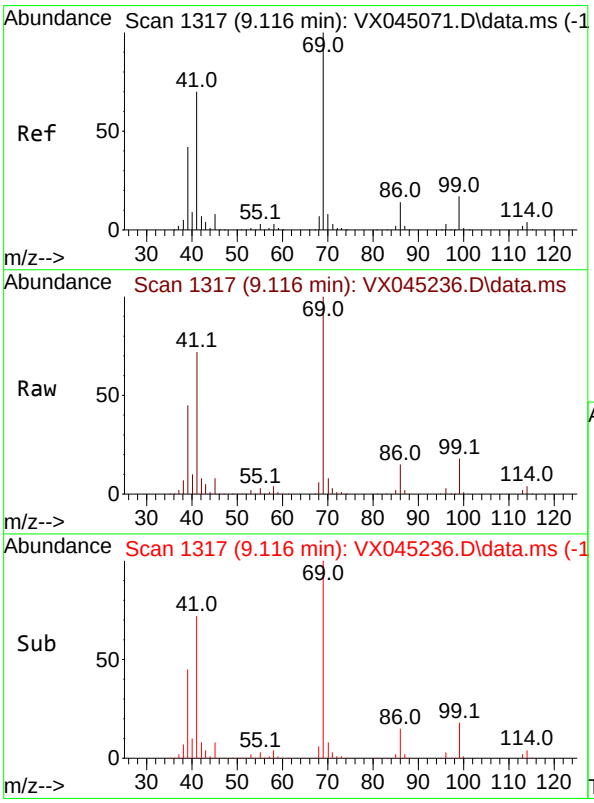
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.4	104.2
85	57.4	44.1	66.1
99	62.3	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

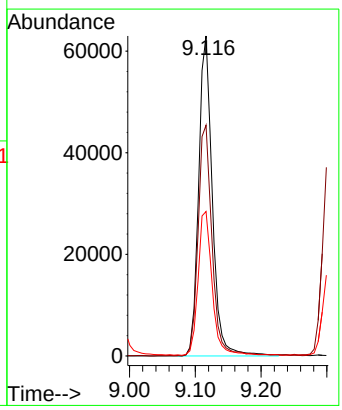
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

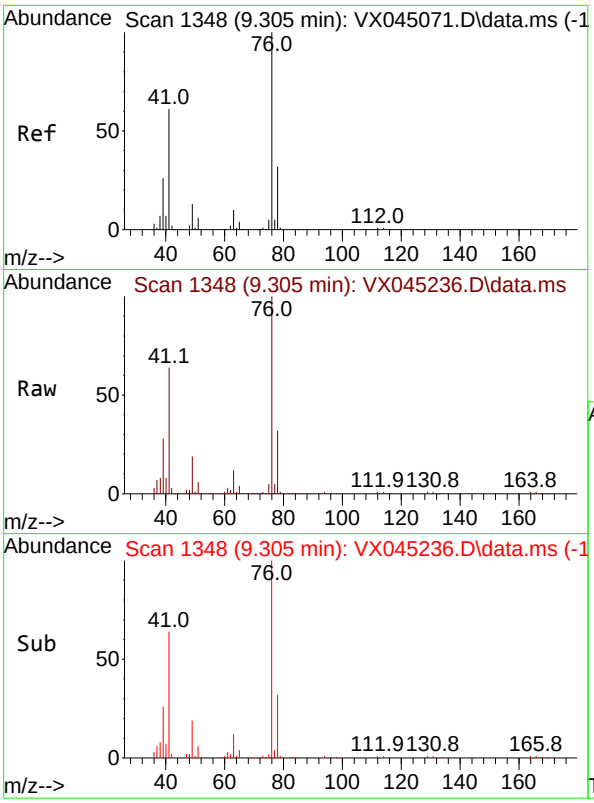


#56
Ethyl methacrylate
Concen: 52.366 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 69 Resp: 91220

Ion	Ratio	Lower	Upper
69	100		
41	73.8	57.0	85.4
39	46.4	34.2	51.4





#57
1,3-Dichloropropane
Concen: 50.051 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

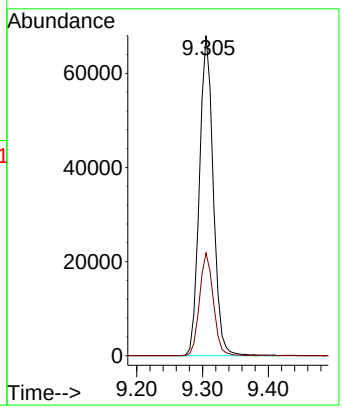
Tgt Ion: 76 Resp: 9926

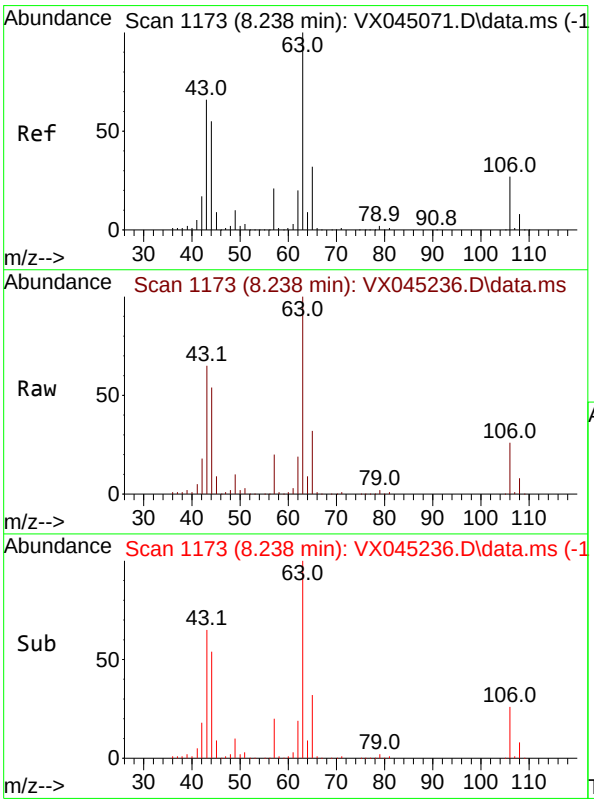
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

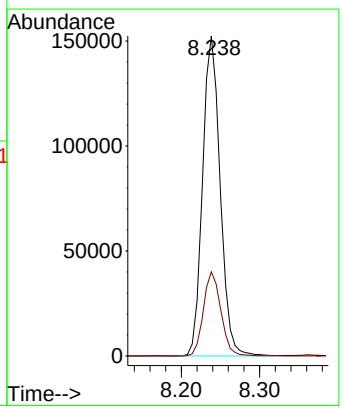


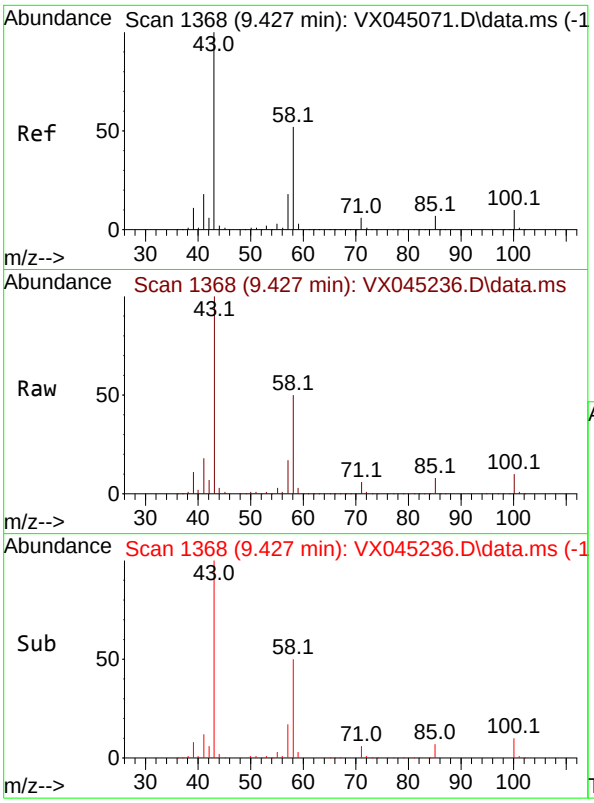


#58
2-Chloroethyl Vinyl ether
Concen: 279.825 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 63 Resp: 237779

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3





#59
2-Hexanone
Concen: 269.459 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

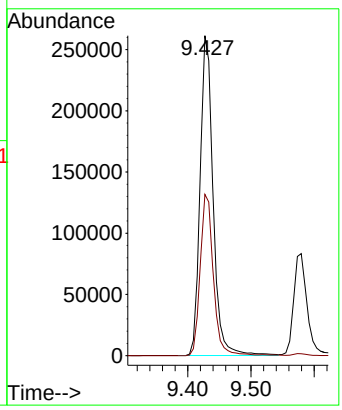
Tgt Ion: 43 Resp: 37528

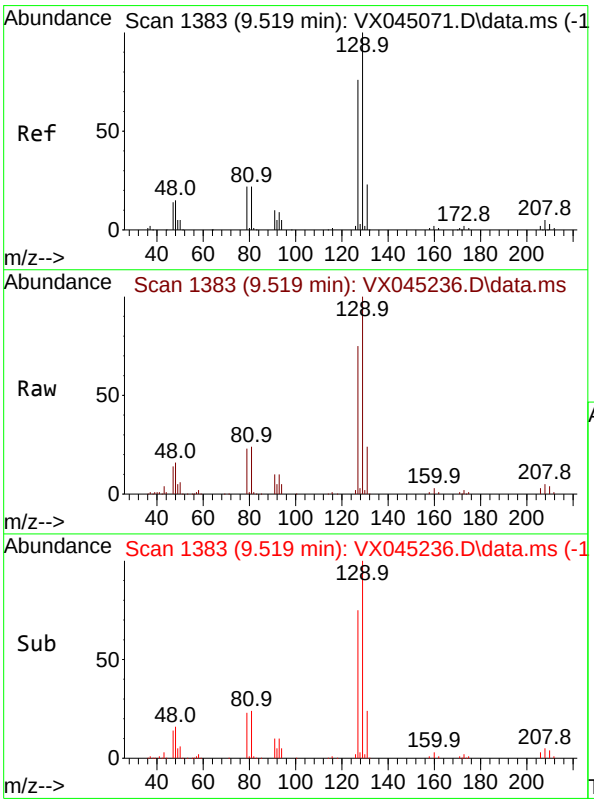
Ion	Ratio	Lower	Upper
43	100		
58	50.8	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

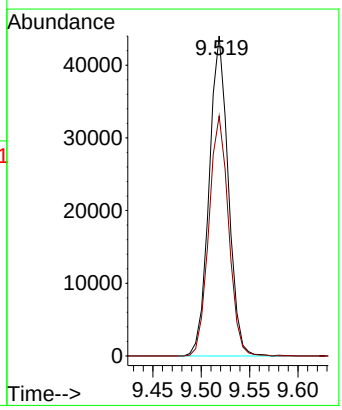


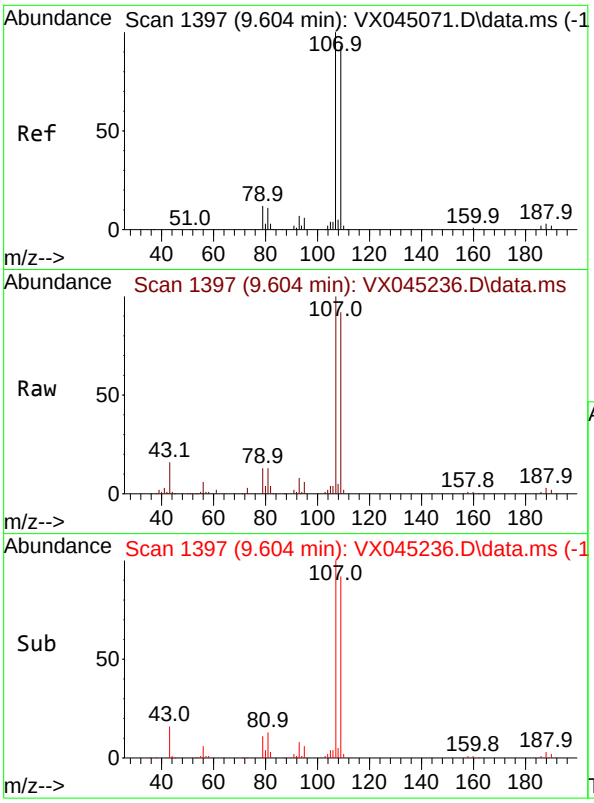


#60
Dibromochloromethane
Concen: 50.586 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:129 Resp: 60613

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5

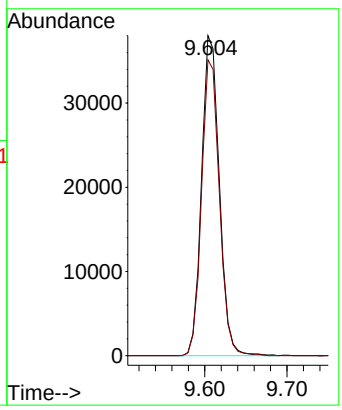




#61
1,2-Dibromoethane
Concen: 49.904 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:107 Resp: 5709

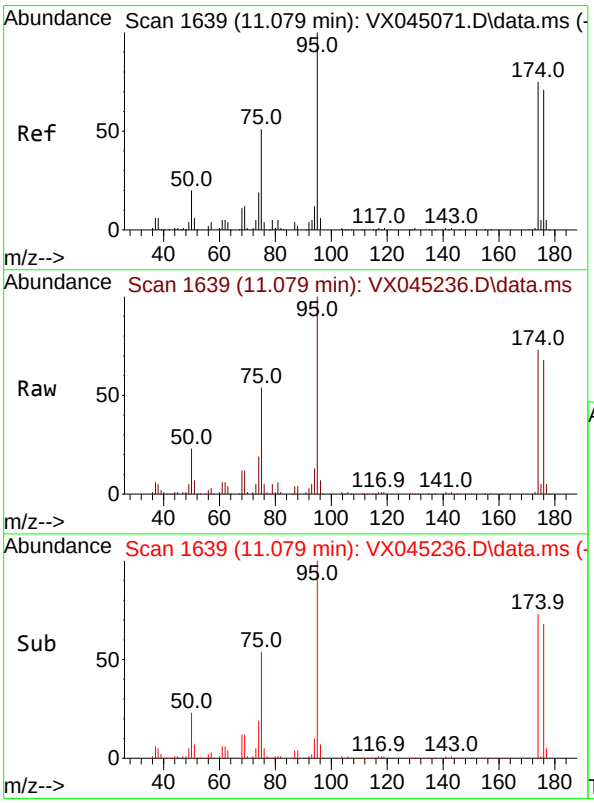
Ion	Ratio	Lower	Upper
107	100		
109	92.8	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

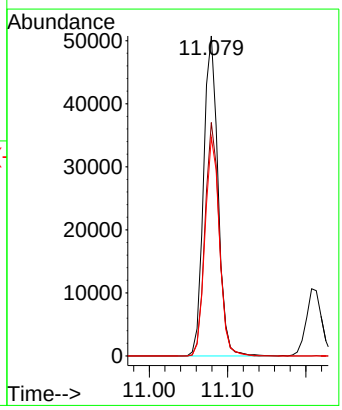
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

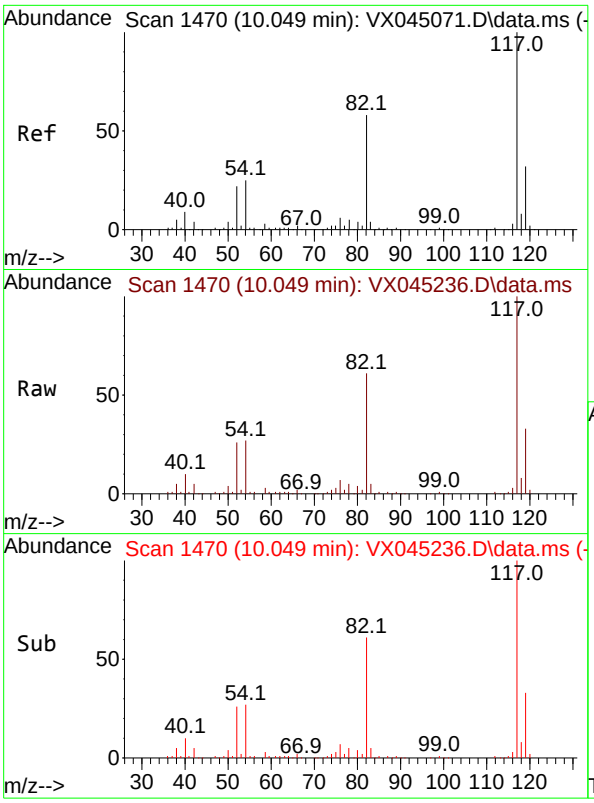


#62
4-Bromofluorobenzene
Concen: 49.251 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 95 Resp: 64822

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	148.2
176	68.2	0.0	141.4

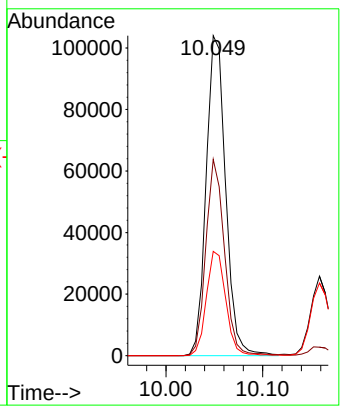




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:117 Resp: 14545

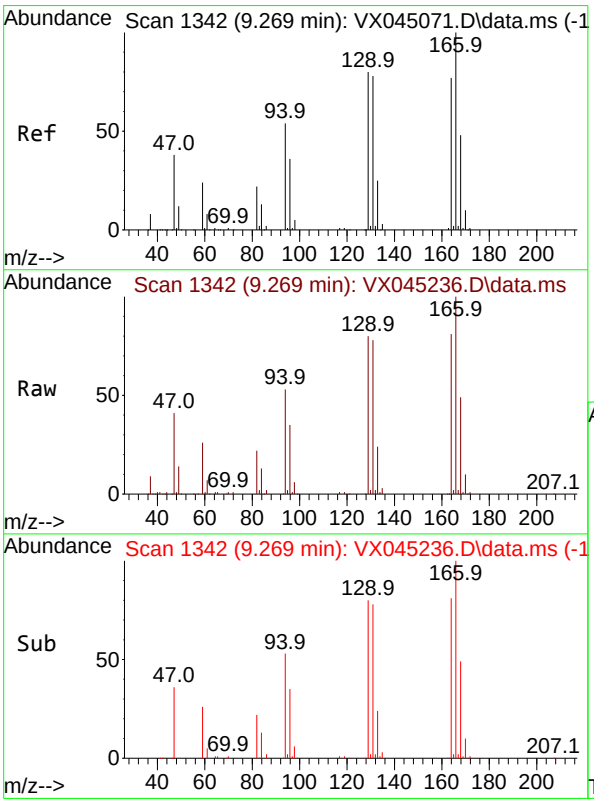
Ion	Ratio	Lower	Upper
117	100		
82	61.4	46.3	69.5
119	32.6	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

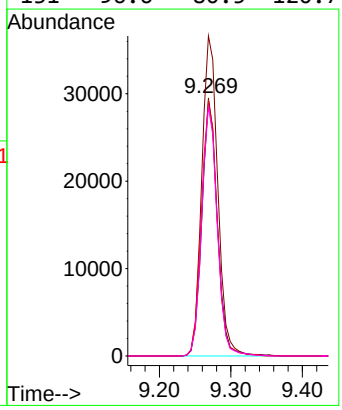
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

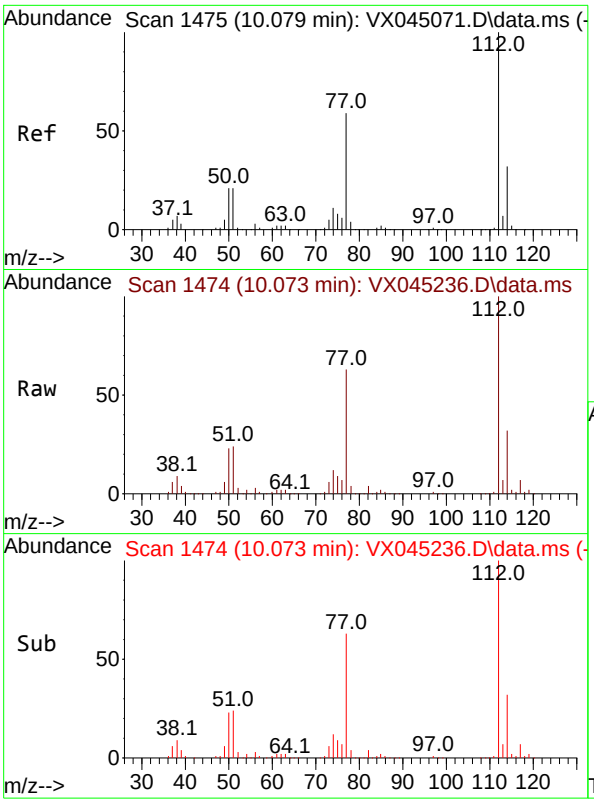


#64
Tetrachloroethene
Concen: 47.383 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:164 Resp: 44141

Ion	Ratio	Lower	Upper
164	100		
166	124.2	103.6	155.4
129	99.0	82.7	124.1
131	96.6	80.5	120.7





#65
Chlorobenzene
Concen: 48.585 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

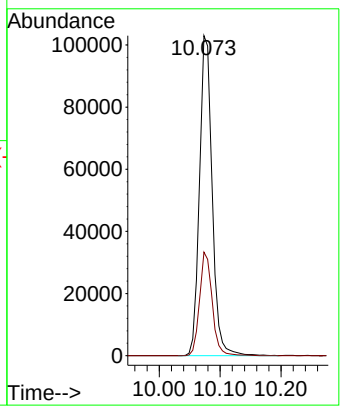
Tgt Ion:112 Resp: 14953

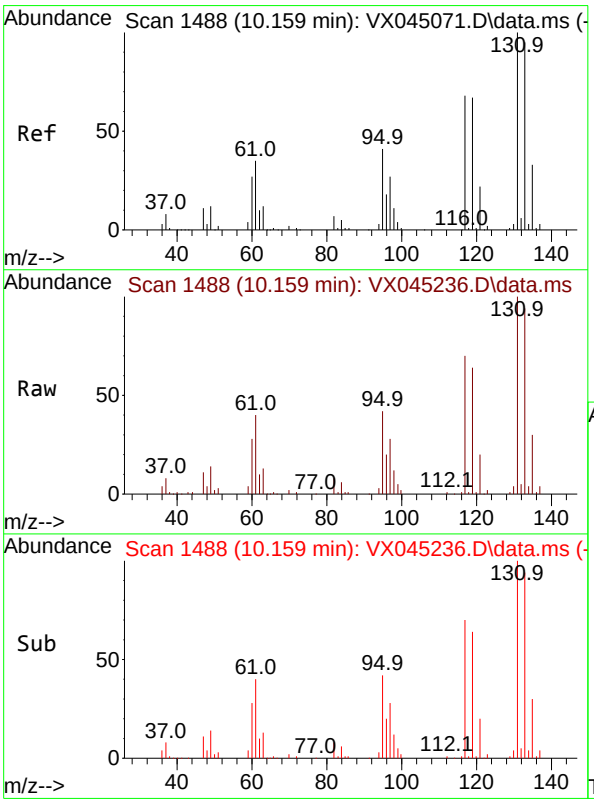
Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.0	39.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

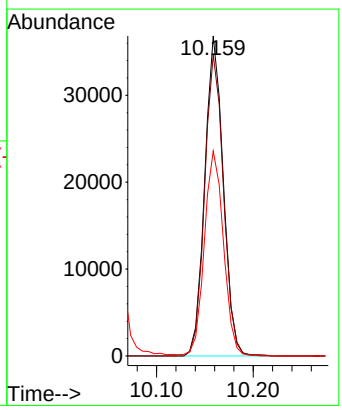


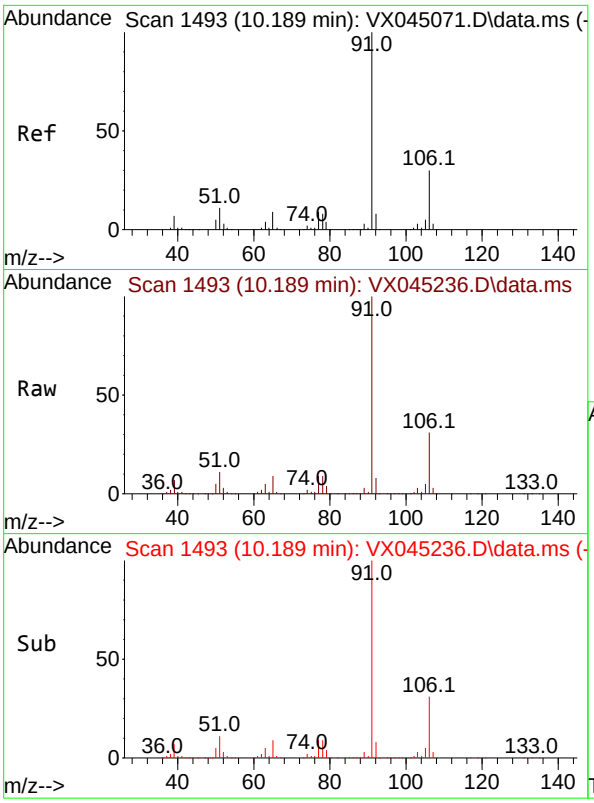


#66
1,1,1,2-Tetrachloroethane
Concen: 47.936 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:131 Resp: 49133

Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.6	145.9
119	66.2	33.9	101.7





#67
Ethyl Benzene
Concen: 50.100 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

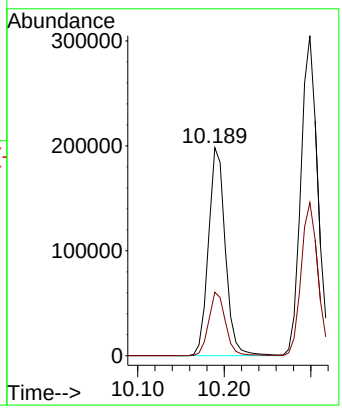
Tgt Ion: 91 Resp: 26868

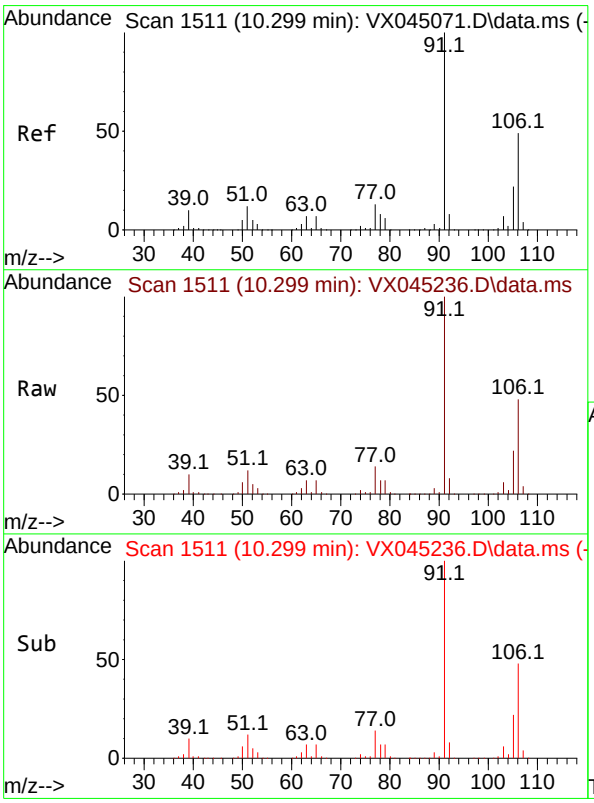
Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

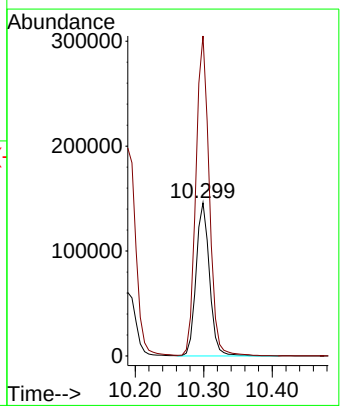


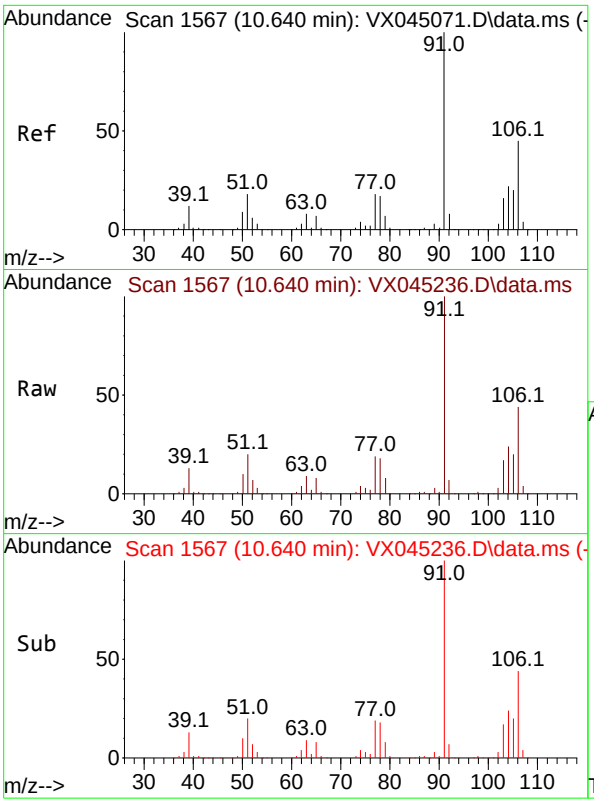


#68
m/p-Xylenes
Concen: 101.160 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:106 Resp: 198600

Ion	Ratio	Lower	Upper
106	100		
91	209.1	165.4	248.0

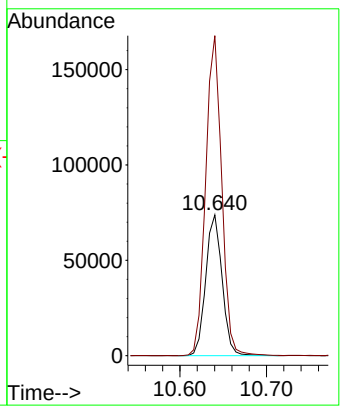




#69
o-Xylene
Concen: 49.018 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:106 Resp: 9705

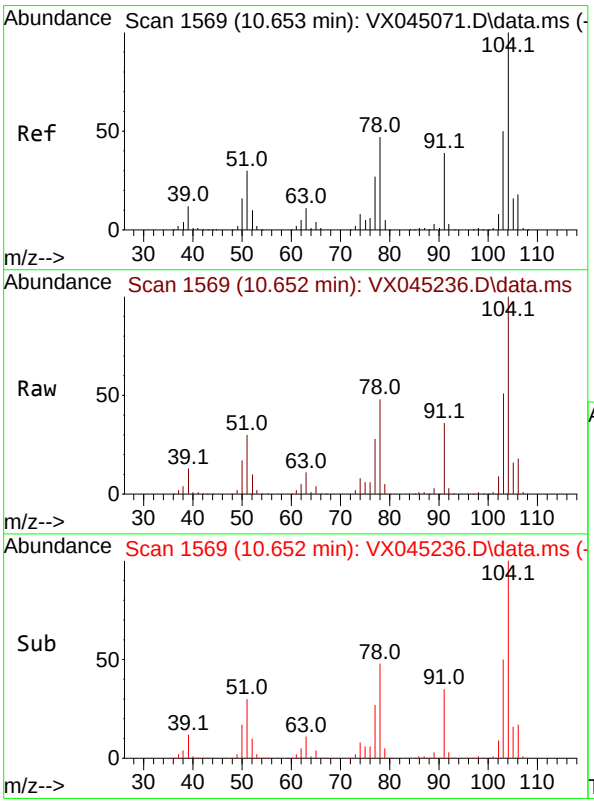
Ion	Ratio	Lower	Upper
106	100		
91	222.9	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

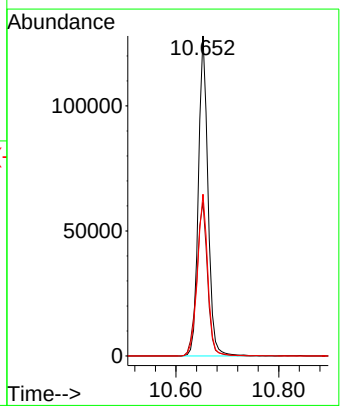
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

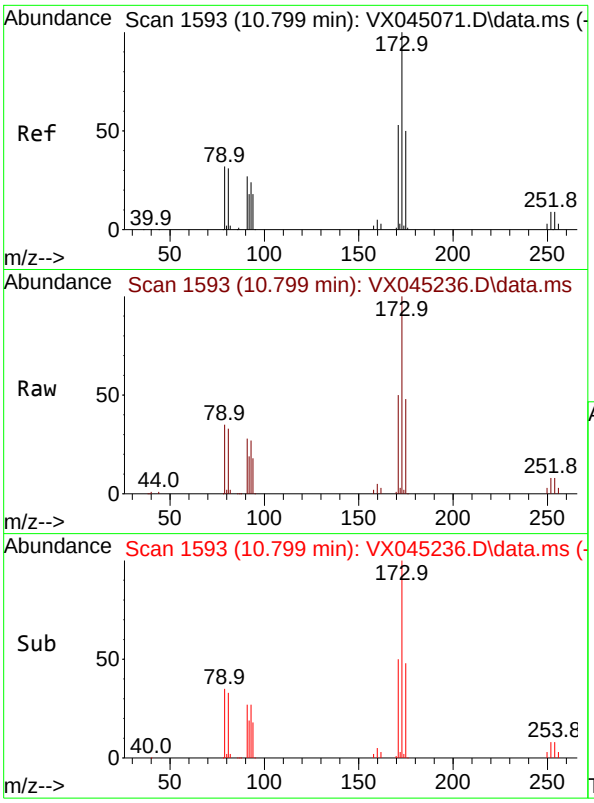


#70
Styrene
Concen: 51.703 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:104 Resp: 165647

Ion	Ratio	Lower	Upper
104	100		
78	53.8	42.2	63.4
103	54.6	43.8	65.8





#71
Bromoform
Concen: 50.775 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

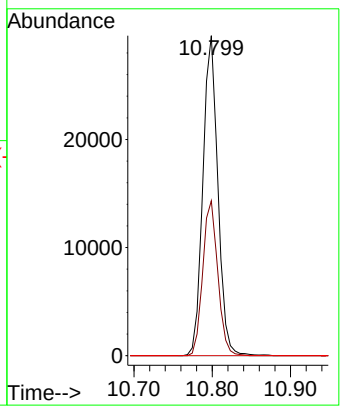
Tgt Ion:173 Resp: 3924

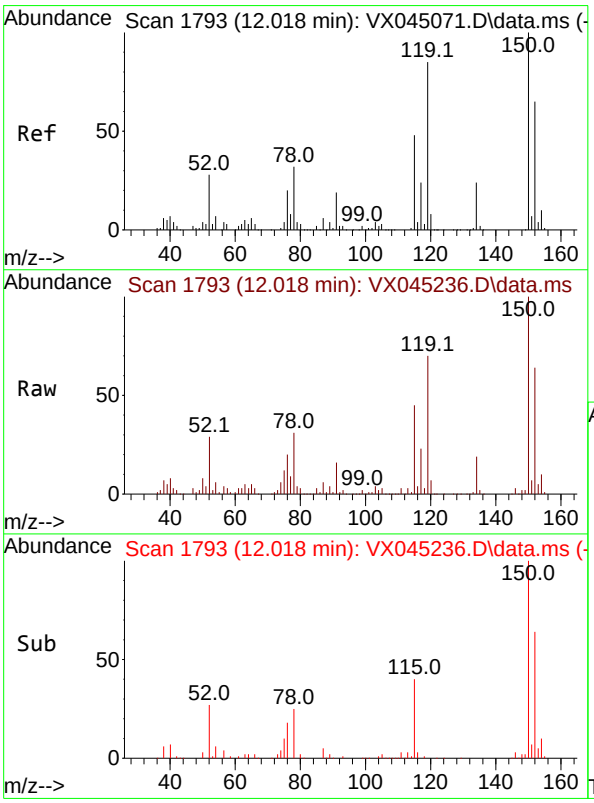
Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	73.6
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

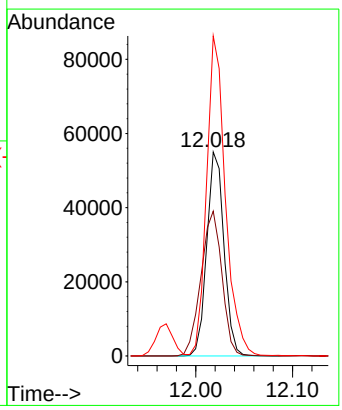


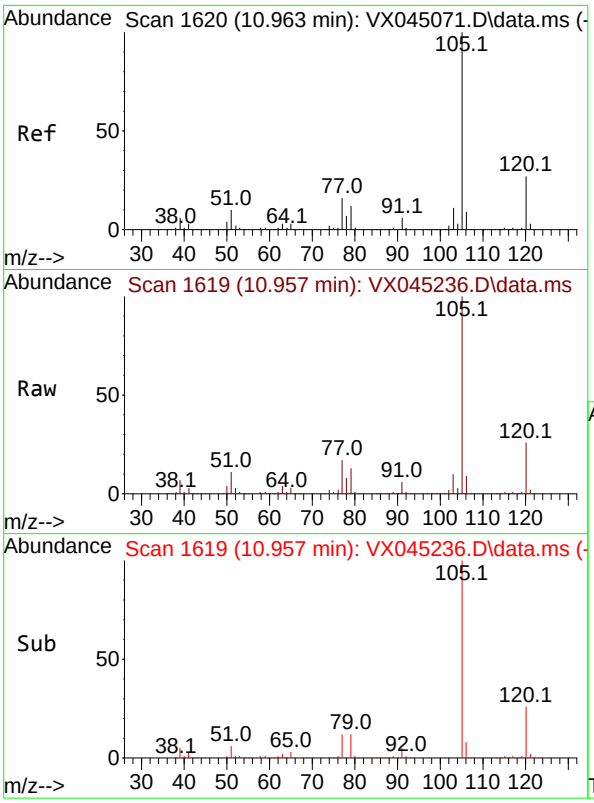


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:152 Resp: 68174

Ion	Ratio	Lower	Upper
152	100		
115	86.3	44.2	132.6
150	171.5	0.0	349.0

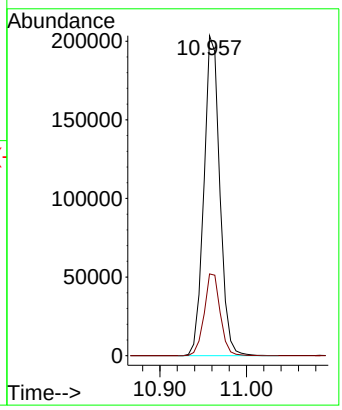




#73
Isopropylbenzene
Concen: 48.697 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:105 Resp: 25912

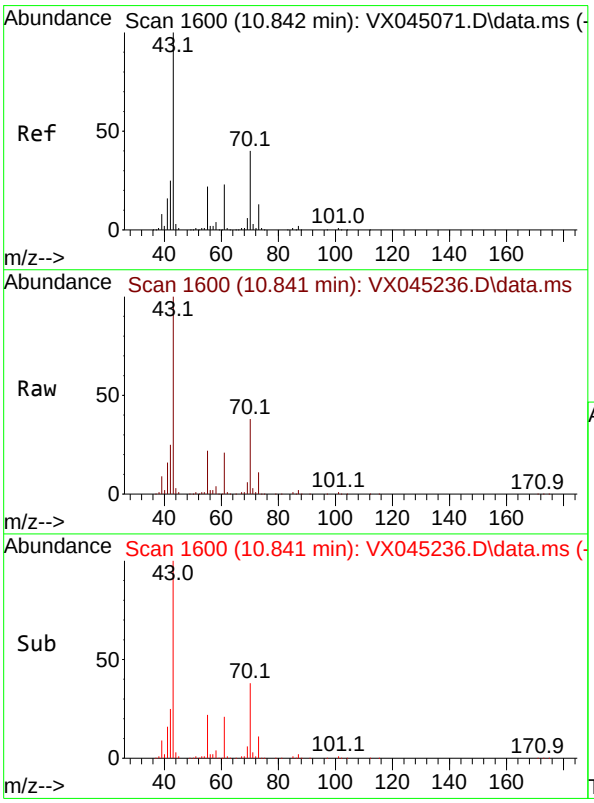
Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

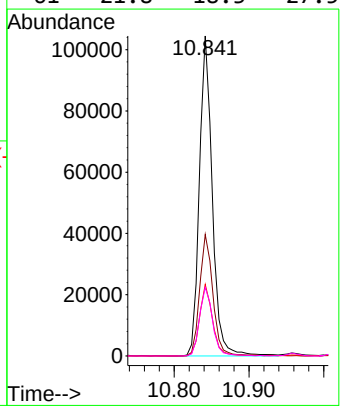
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

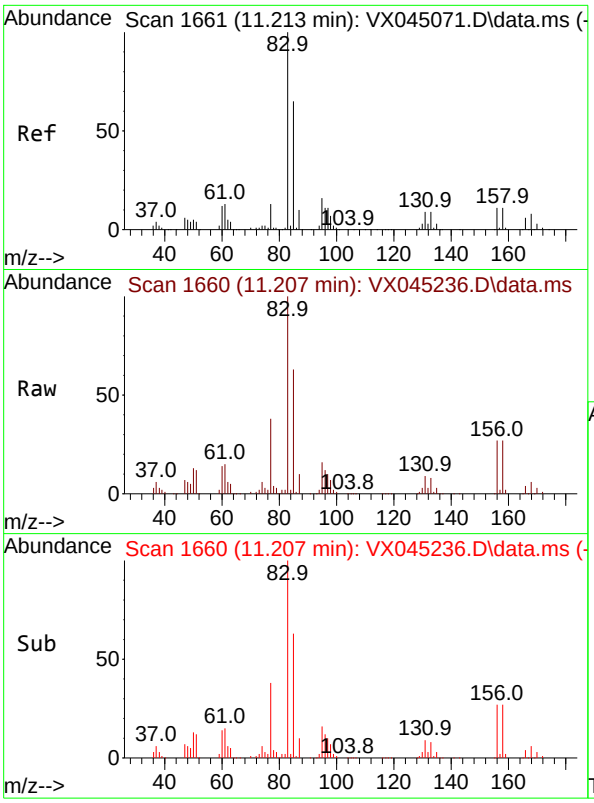


#74
N-amyl acetate
Concen: 50.273 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 43 Resp: 125524

Ion	Ratio	Lower	Upper
43	100		
70	38.8	31.8	47.6
55	22.5	18.3	27.5
61	21.8	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 46.625 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

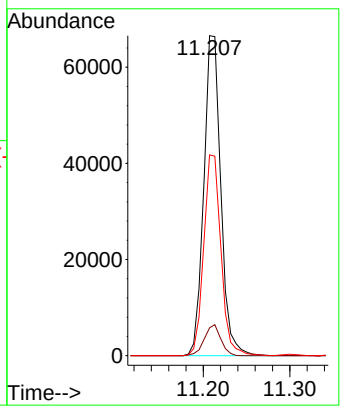
Tgt Ion: 83 Resp: 9104

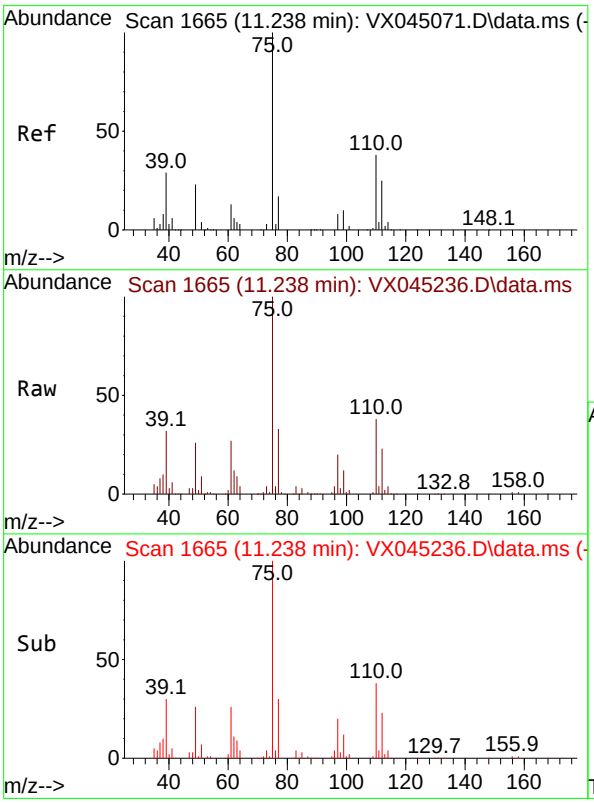
Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	63.3	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

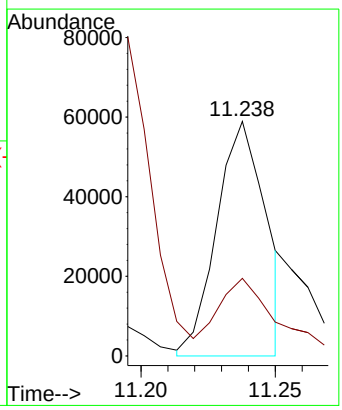


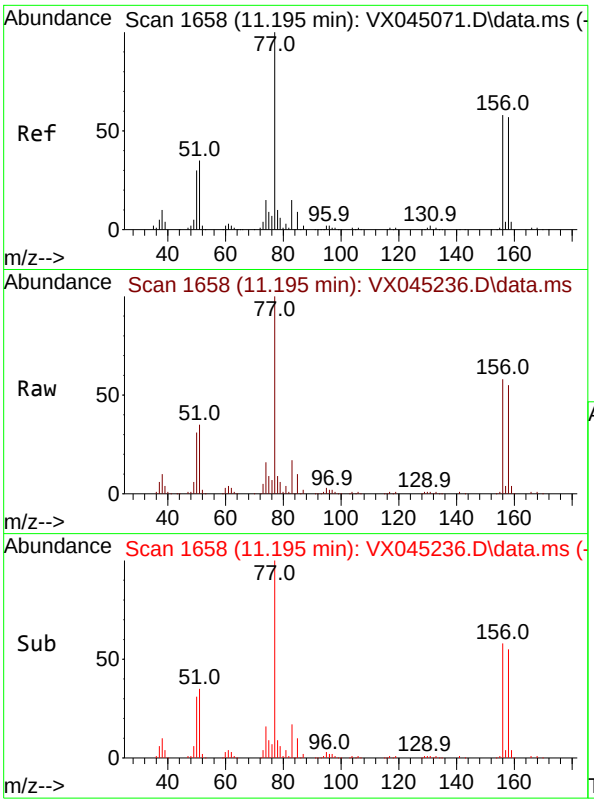


#76
1,2,3-Trichloropropane
Concen: 47.174 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 75 Resp: 74854

Ion	Ratio	Lower	Upper
75	100		
77	40.5	20.7	62.1





#77
Bromobenzene
Concen: 46.980 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

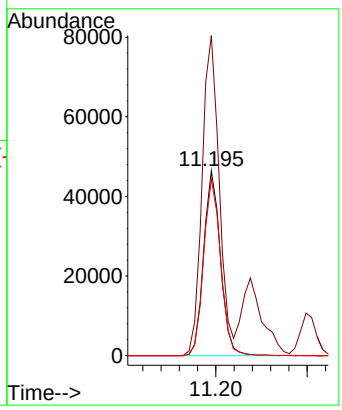
Tgt Ion:156 Resp: 5898

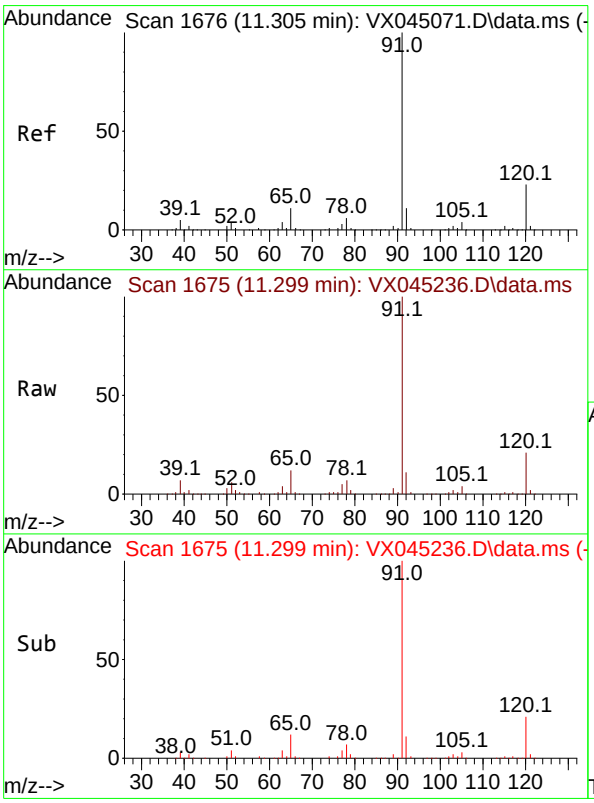
Ion	Ratio	Lower	Upper
156	100		
77	177.0	85.8	257.4
158	97.4	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

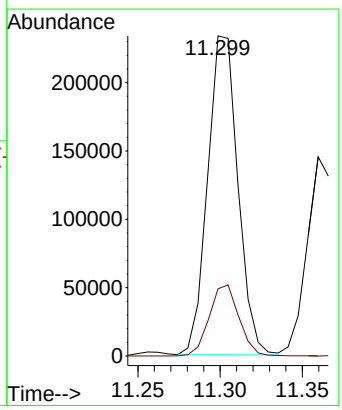


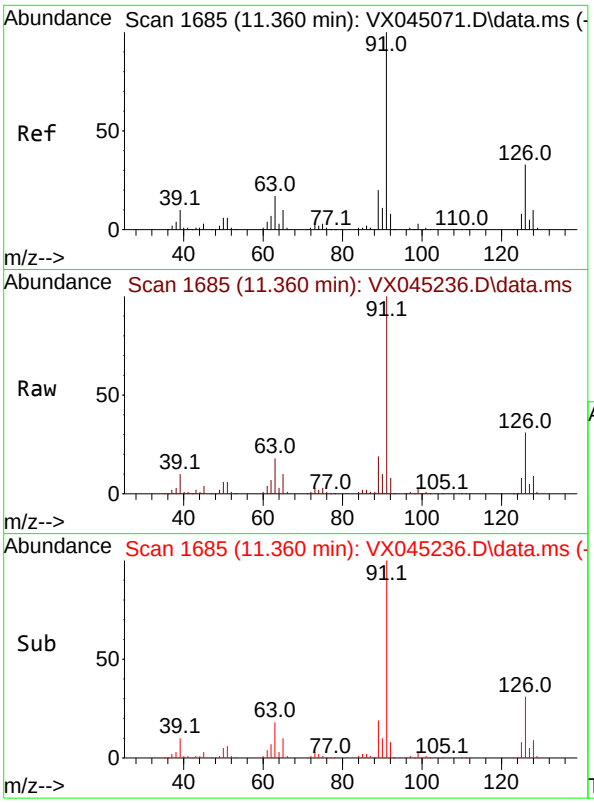


#78
n-propylbenzene
Concen: 49.745 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 91 Resp: 299014

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.2	33.6





#79
2-Chlorotoluene
Concen: 47.340 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

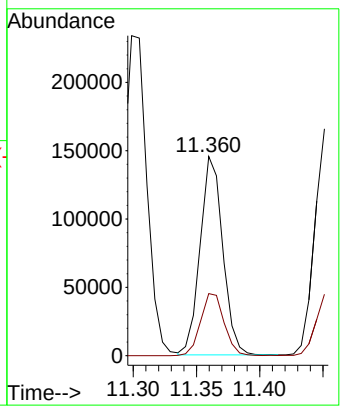
Tgt Ion: 91 Resp: 18122

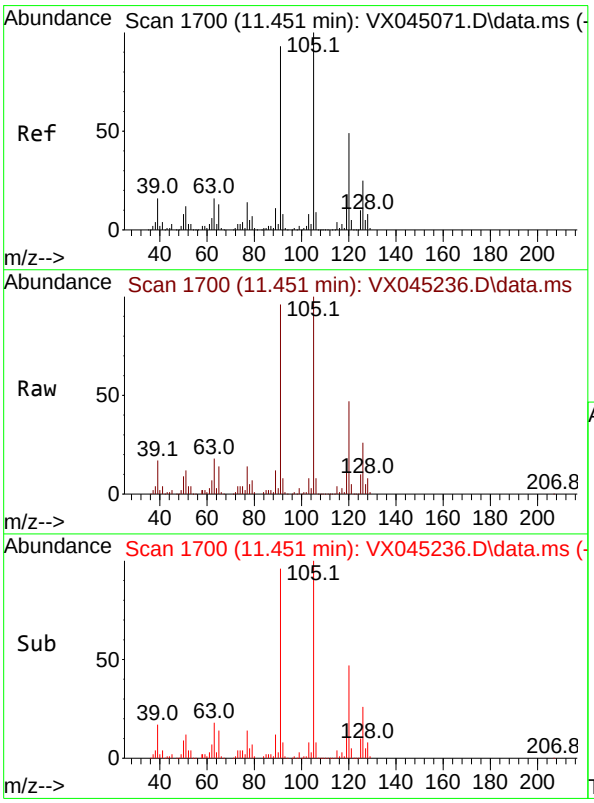
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

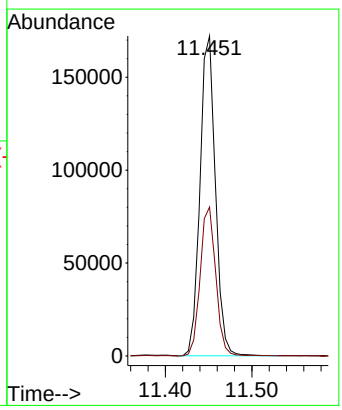


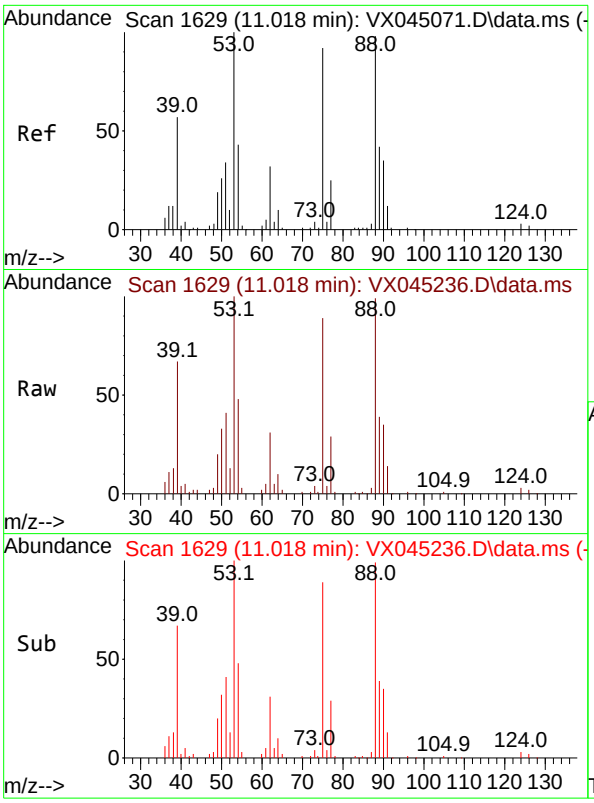


#80
1,3,5-Trimethylbenzene
Concen: 49.457 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:105 Resp: 212792

Ion	Ratio	Lower	Upper
105	100		
120	47.2	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 47.228 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

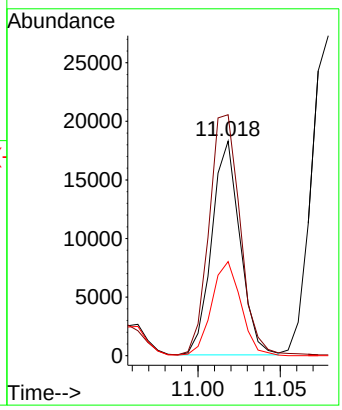
Tgt Ion: 75 Resp: 2189

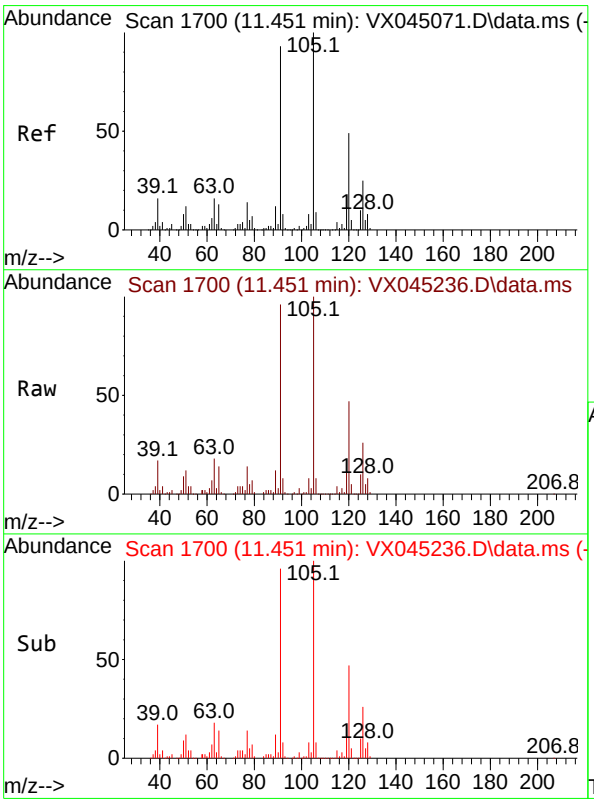
Ion	Ratio	Lower	Upper
75	100		
53	125.0	88.5	132.7
89	45.5	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

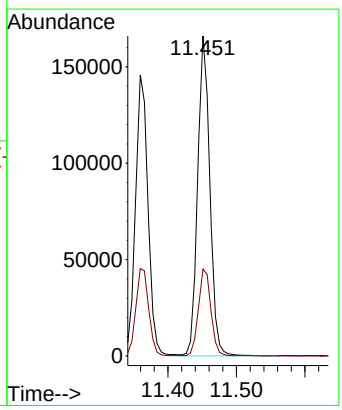


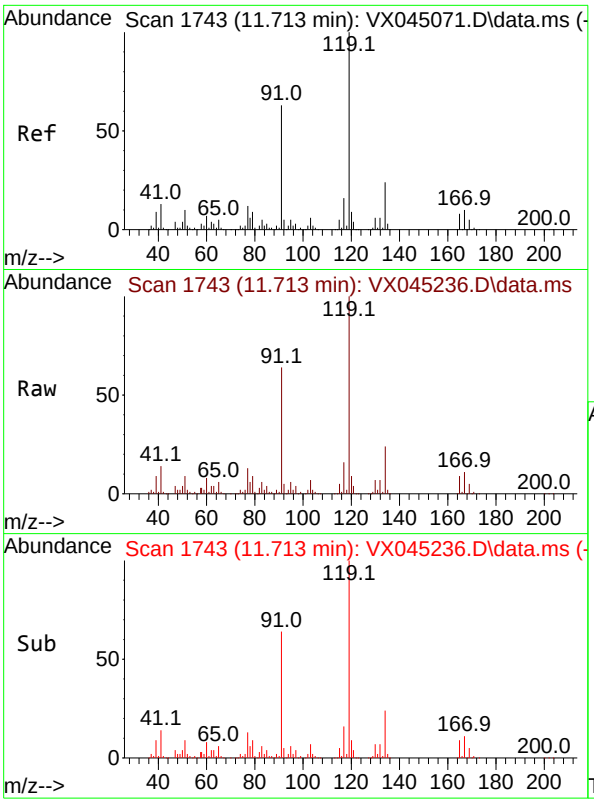


#82
4-Chlorotoluene
Concen: 49.191 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 91 Resp: 205234

Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.1	42.4

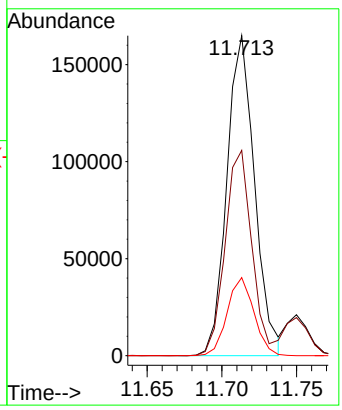




#83
tert-Butylbenzene
Concen: 48.200 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:119 Resp: 21308

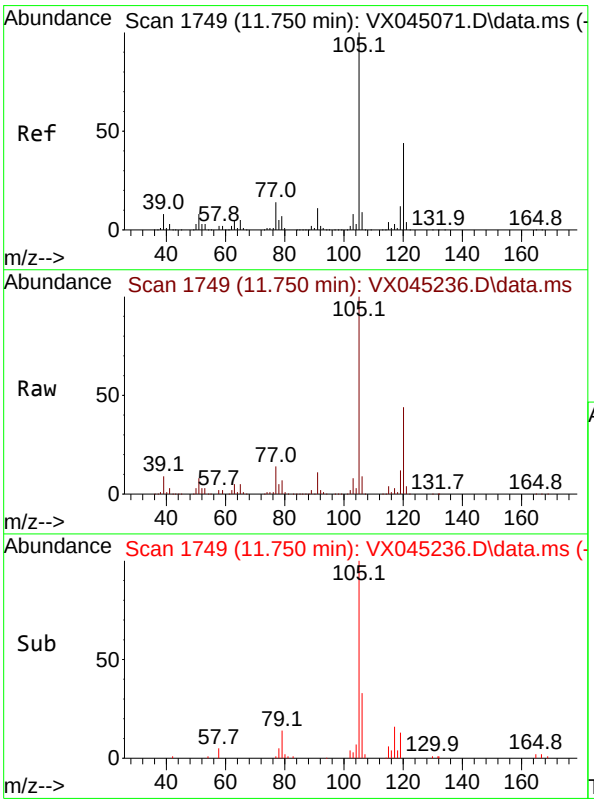
Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.7	92.1
134	23.5	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

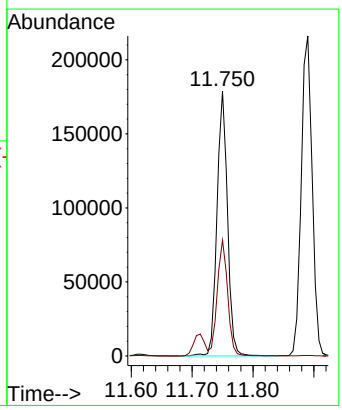
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

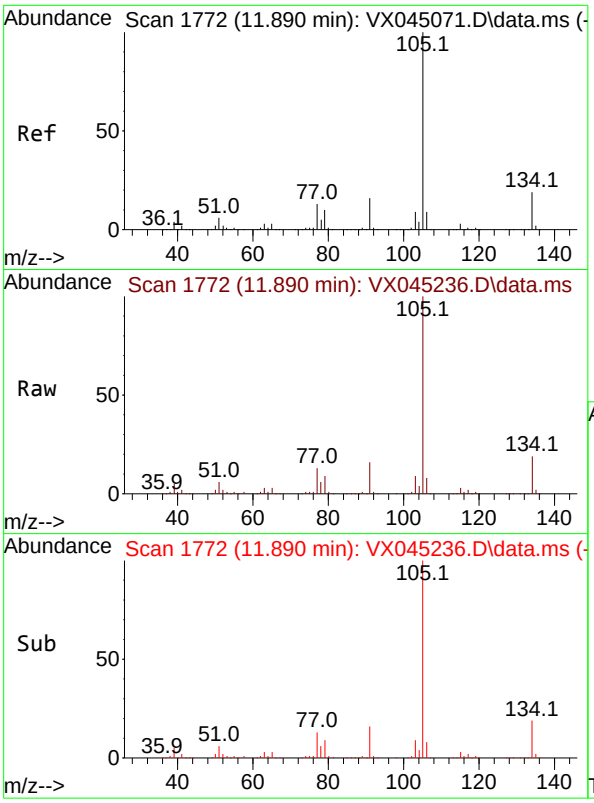


#84
1,2,4-Trimethylbenzene
Concen: 49.489 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:105 Resp: 214250

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.1	66.1

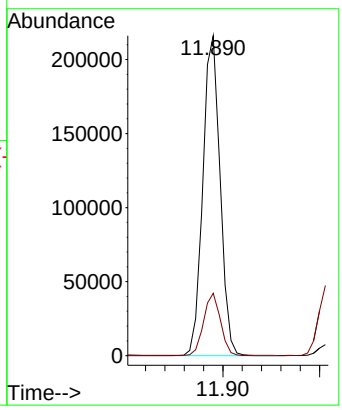




#85
sec-Butylbenzene
Concen: 50.727 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:105 Resp: 26862

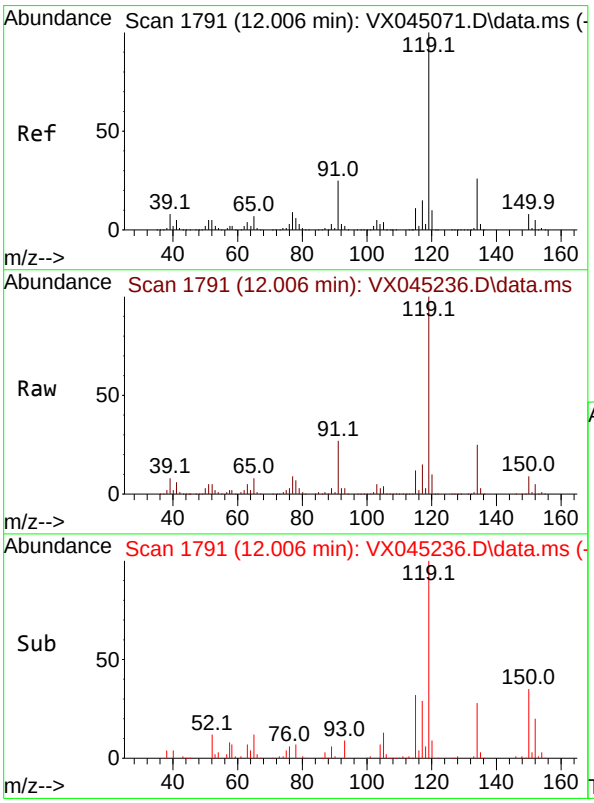
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

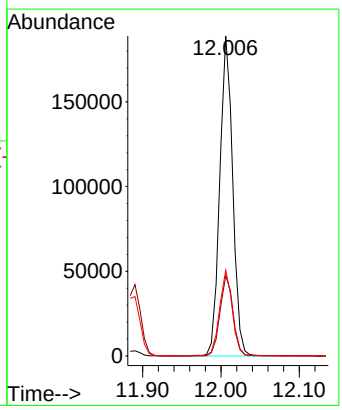
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

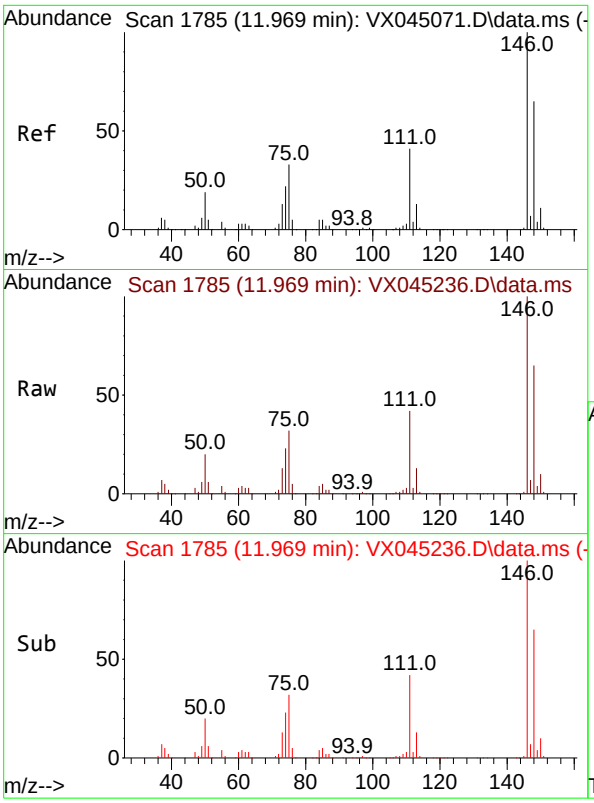


#86
p-Isopropyltoluene
Concen: 50.842 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:119 Resp: 217580

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	26.3	12.7	38.0

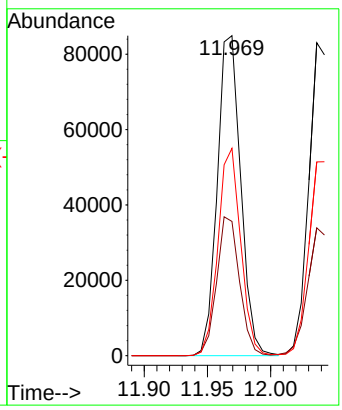




#87
1,3-Dichlorobenzene
Concen: 48.804 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:146 Resp: 10930

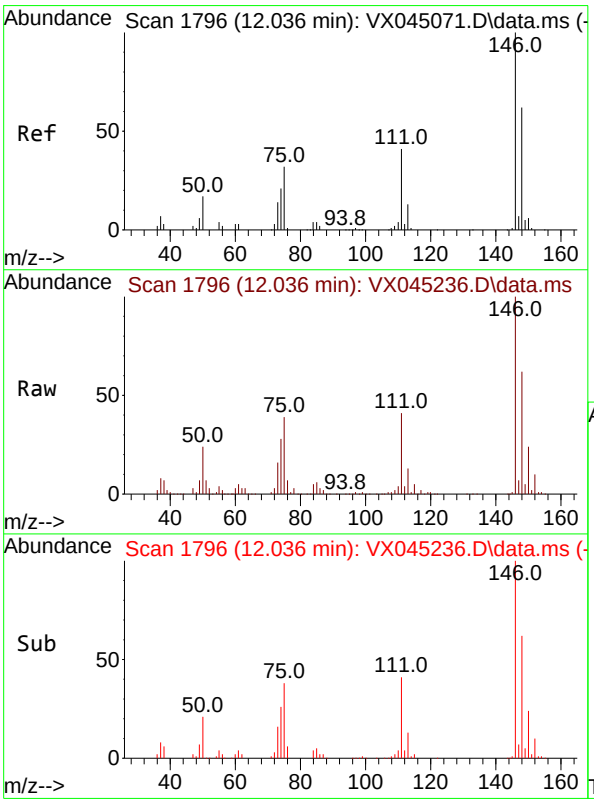
Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	63.0	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

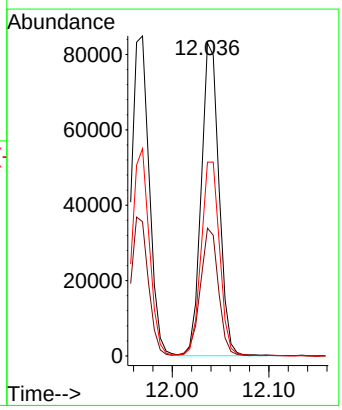
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

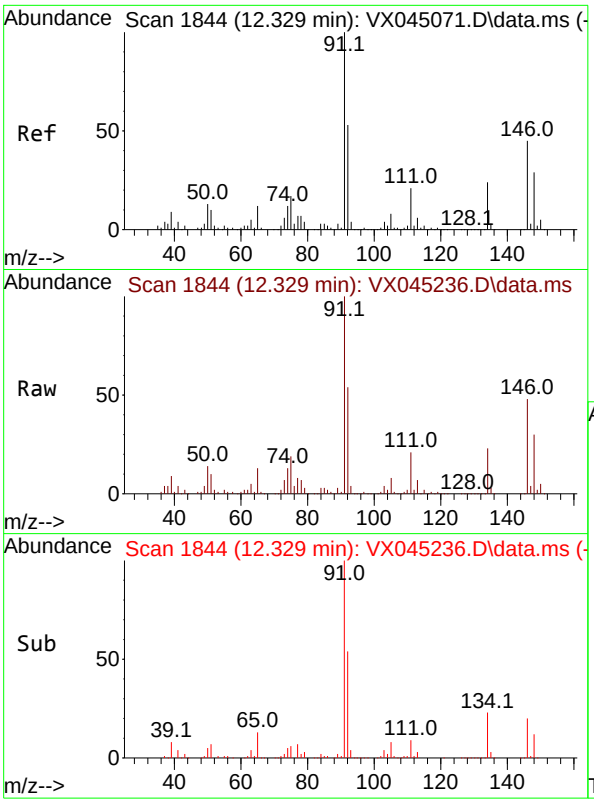


#88
1,4-Dichlorobenzene
Concen: 46.916 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:146 Resp: 106308

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.2	60.5
148	64.1	31.9	95.9

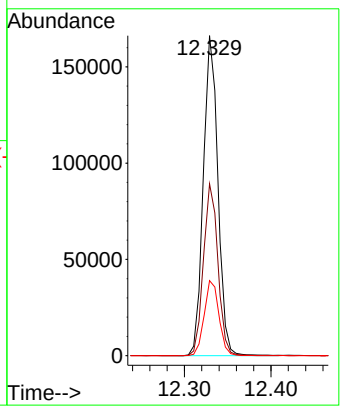




#89
n-Butylbenzene
Concen: 52.732 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 91 Resp: 19436

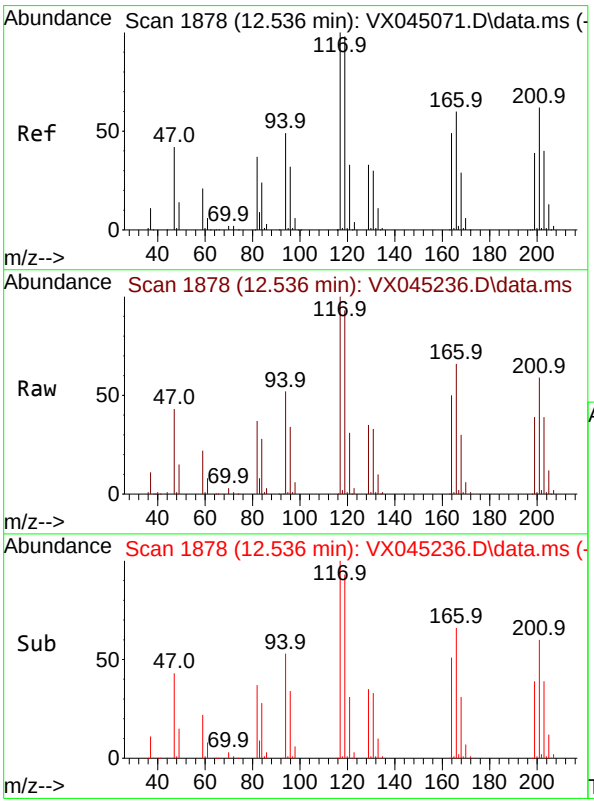
Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.7	80.0
134	23.8	12.2	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

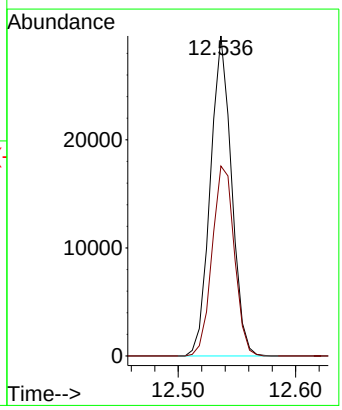
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

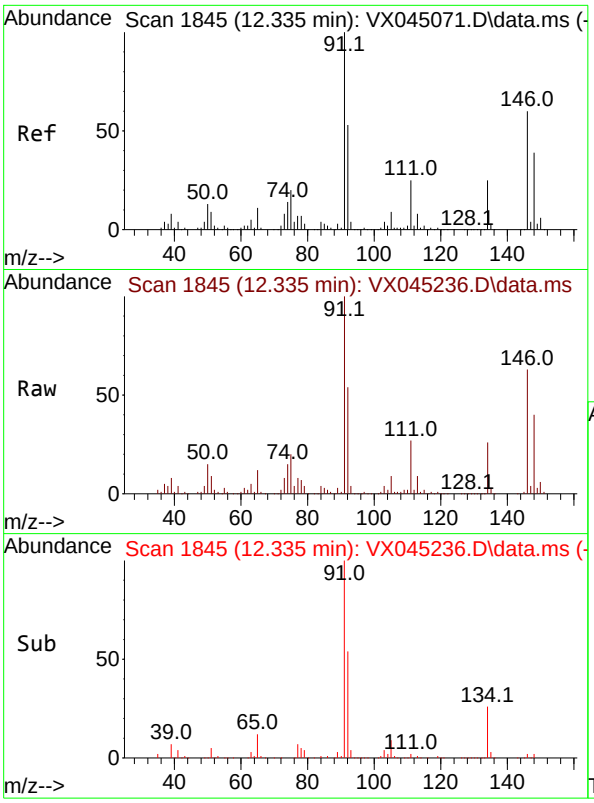


#90
Hexachloroethane
Concen: 47.931 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:117 Resp: 37102

Ion	Ratio	Lower	Upper
117	100		
201	62.3	31.9	95.9

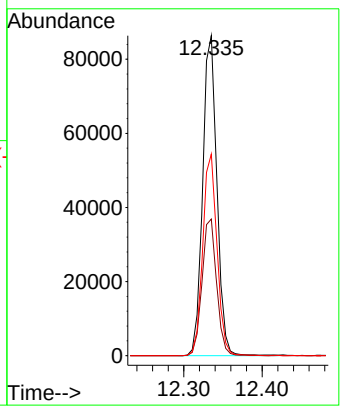




#91
1,2-Dichlorobenzene
Concen: 48.396 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:146 Resp: 10873

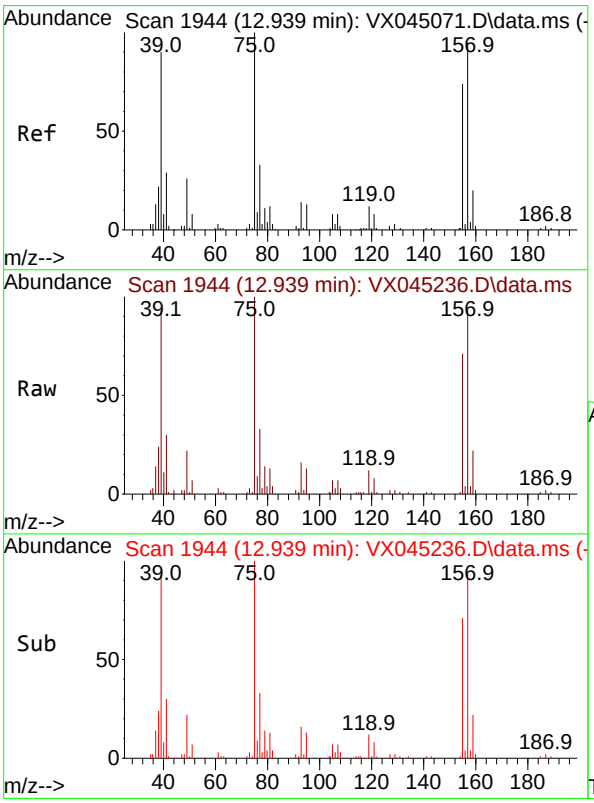
Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	65.0
148	63.2	31.9	95.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

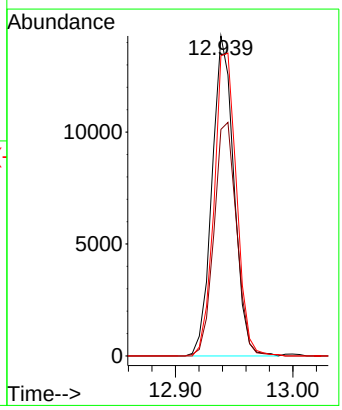
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

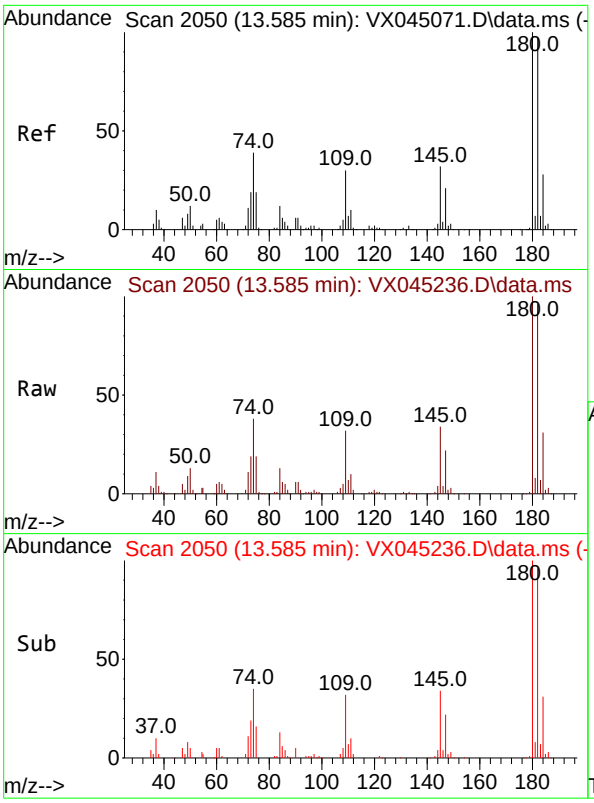


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.649 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 75 Resp: 18507

Ion	Ratio	Lower	Upper
75	100		
155	75.5	39.6	118.7
157	97.1	51.1	153.4

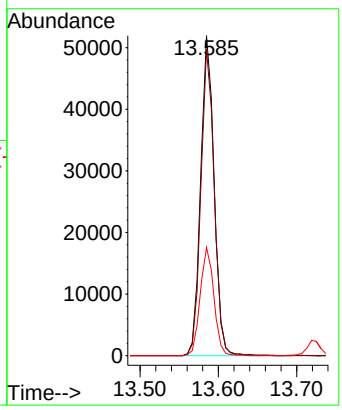




#93
1,2,4-Trichlorobenzene
Concen: 48.452 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:180 Resp: 6198

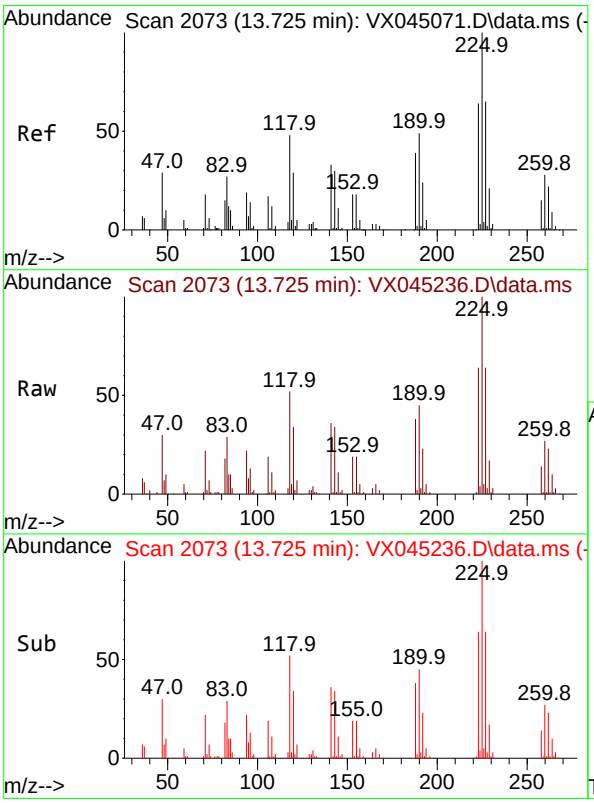
Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	141.9
145	34.5	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

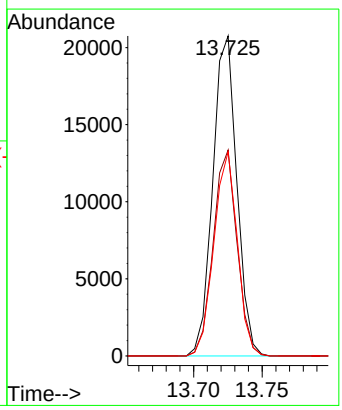
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

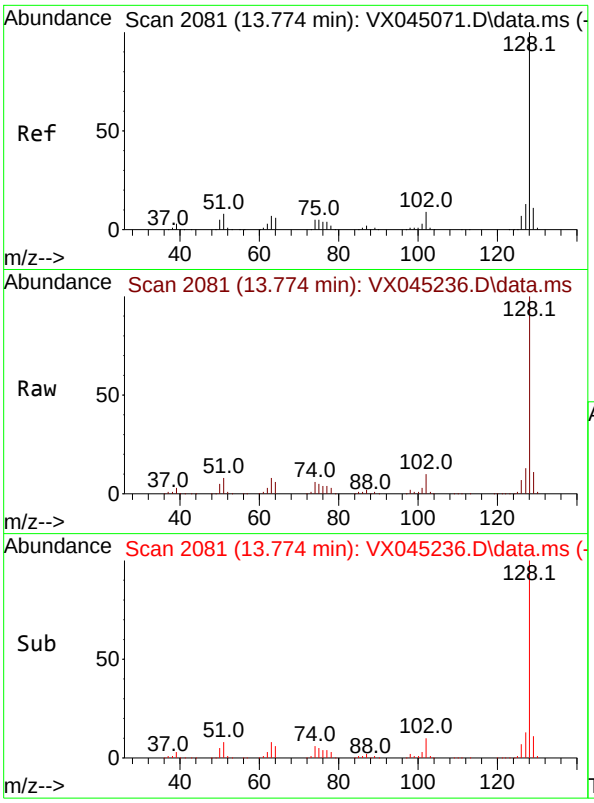


#94
Hexachlorobutadiene
Concen: 48.218 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:225 Resp: 25290

Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.9	95.7
227	62.2	31.4	94.0

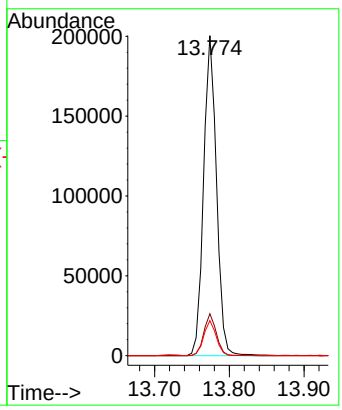




#95
Naphthalene
Concen: 48.828 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:128 Resp: 24000

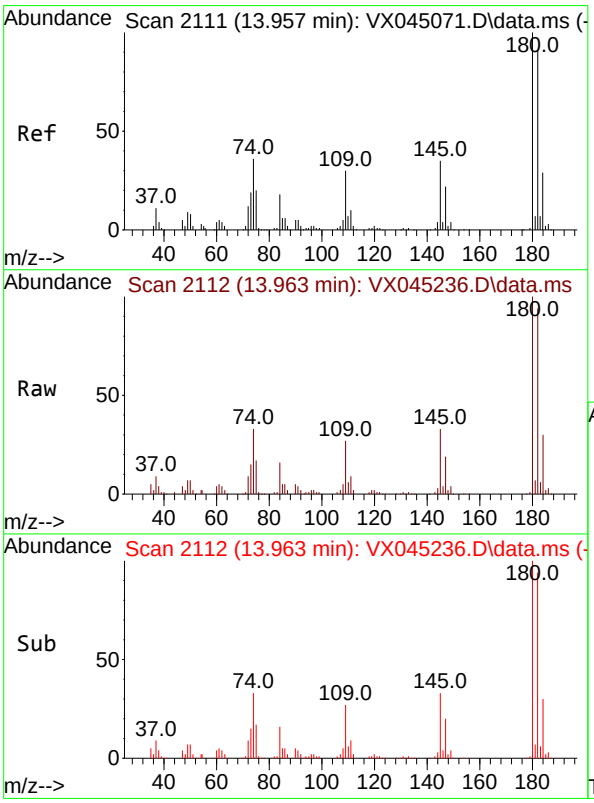
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

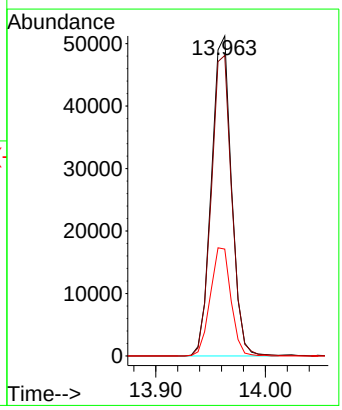
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.282 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:180 Resp: 65162

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	34.7	17.0	50.9



Sample Results: **VX045236.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045236.D
Acq On : 11 Mar 2025 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 12 01:55:54 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	0.576	8.4	82	0.00
3	P	Chloromethane	0.770	0.698	9.4	83	0.00
4	C	Vinyl Chloride	0.764	0.651	14.8#	77	0.00
5	T	Bromomethane	0.300	0.277	7.7	85	0.00
6	T	Chloroethane	0.352	0.354	-0.6	85	0.00
7	T	Trichlorofluoromethane	1.011	0.949	6.1	81	0.00
8	T	Diethyl Ether	0.396	0.344	13.1	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.581	0.578	0.5	87	0.00
10	T	Methyl Iodide	0.726	0.735	-1.2	86	0.00
11	T	Tert butyl alcohol	0.151	0.112	25.8#	75	0.00
12	CM	1,1-Dichloroethene	0.614	0.574	6.5#	83	0.00
13	T	Acrolein	0.174	0.070	59.8#	36#	0.00
14	T	Allyl chloride	1.094	1.062	2.9	86	0.00
15	T	Acrylonitrile	0.404	0.393	2.7	86	0.00
16	T	Acetone	0.369	0.339	8.1	86	0.00
17	T	Carbon Disulfide	1.636	1.326	18.9	72	0.00
18	T	Methyl Acetate	0.888	0.970	-9.2	100	0.00
19	T	Methyl tert-butyl Ether	2.061	1.949	5.4	84	0.00
20	T	Methylene Chloride	0.731	0.681	6.8	87	0.00
21	T	trans-1,2-Dichloroethene	0.607	0.570	6.1	81	0.00
22	T	Diisopropyl ether	2.224	2.164	2.7	85	0.00
23	T	Vinyl Acetate	1.856	1.824	1.7	83	0.00
24	P	1,1-Dichloroethane	1.247	1.182	5.2	85	0.00
25	T	2-Butanone	0.555	0.543	2.2	84	0.00
26	T	2,2-Dichloropropane	0.585	0.705	-20.5	106	0.00
27	T	cis-1,2-Dichloroethene	0.749	0.717	4.3	84	0.00
28	T	Bromochloromethane	0.594	0.567	4.5	84	0.00
29	T	Tetrahydrofuran	0.373	0.349	6.4	84	0.00
30	C	Chloroform	1.239	1.181	4.7#	85	0.00
31	T	Cyclohexane	1.082	1.014	6.3	82	0.00
32	T	1,1,1-Trichloroethane	1.000	0.960	4.0	84	0.00
33	S	1,2-Dichloroethane-d4	0.795	0.722	9.2	85	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	88	0.00
35	S	Dibromofluoromethane	0.334	0.309	7.5	83	0.00
36	T	1,1-Dichloropropene	0.459	0.443	3.5	83	0.00
37	T	Ethyl Acetate	0.591	0.570	3.6	83	0.00
38	T	Carbon Tetrachloride	0.465	0.452	2.8	85	0.00
39	T	Methylcyclohexane	0.549	0.549	0.0	82	0.00
40	TM	Benzene	1.448	1.398	3.5	82	0.00
41	T	Methacrylonitrile	0.319	0.325	-1.9	84	0.00
42	TM	1,2-Dichloroethane	0.521	0.523	-0.4	87	0.00
43	T	Isopropyl Acetate	0.874	0.880	-0.7	83	0.00
44	TM	Trichloroethene	0.340	0.333	2.1	86	0.00
45	C	1,2-Dichloropropane	0.372	0.356	4.3#	84	0.00
46	T	Dibromomethane	0.263	0.266	-1.1	87	0.00
47	T	Bromodichloromethane	0.516	0.511	1.0	86	0.00
48	T	Methyl methacrylate	0.438	0.447	-2.1	85	0.00

Sample Results: **VX045236.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045236.D
Acq On : 11 Mar 2025 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 12 01:55:54 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	1.098	9.4	80	0.00
51	T	4-Methyl-2-Pentanone	0.587	0.622	-6.0	90	0.00
52	CM	Toluene	0.849	0.844	0.6#	83	0.00
53	T	t-1,3-Dichloropropene	0.431	0.447	-3.7	84	0.00
54	T	cis-1,3-Dichloropropene	0.503	0.522	-3.8	86	0.00
55	T	1,1,2-Trichloroethane	0.350	0.341	2.6	84	0.00
56	T	Ethyl methacrylate	0.532	0.557	-4.7	86	0.00
57	T	1,3-Dichloropropane	0.605	0.606	-0.2	86	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.290	-12.0	90	0.00
59	T	2-Hexanone	0.425	0.458	-7.8	90	0.00
60	T	Dibromochloromethane	0.366	0.370	-1.1	85	0.00
61	T	1,2-Dibromoethane	0.349	0.348	0.3	86	0.00
62	S	4-Bromofluorobenzene	0.402	0.396	1.5	86	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
64	T	Tetrachloroethene	0.320	0.303	5.3	84	0.00
65	PM	Chlorobenzene	1.058	1.028	2.8	85	0.00
66	T	1,1,1,2-Tetrachloroethane	0.352	0.338	4.0	85	0.00
67	C	Ethyl Benzene	1.843	1.847	-0.2#	85	0.00
68	T	m/p-Xylenes	0.675	0.683	-1.2	85	0.00
69	T	o-Xylene	0.681	0.667	2.1	85	0.00
70	T	Styrene	1.101	1.139	-3.5	87	0.00
71	P	Bromoform	0.266	0.270	-1.5	88	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	3.903	3.801	2.6	88	0.00
74	T	N-amyl acetate	1.831	1.841	-0.5	89	0.00
75	P	1,1,2,2-Tetrachloroethane	1.432	1.335	6.8	90	0.00
76	T	1,2,3-Trichloropropane	1.164	1.098	5.7	92	0.00
77	T	Bromobenzene	0.921	0.865	6.1	88	0.00
78	T	n-propylbenzene	4.409	4.386	0.5	87	0.00
79	T	2-Chlorotoluene	2.808	2.658	5.3	89	0.00
80	T	1,3,5-Trimethylbenzene	3.156	3.121	1.1	88	0.00
81	T	trans-1,4-Dichloro-2-butene	0.340	0.321	5.6	91	0.00
82	T	4-Chlorotoluene	3.060	3.010	1.6	89	0.00
83	T	tert-Butylbenzene	3.242	3.126	3.6	89	0.00
84	T	1,2,4-Trimethylbenzene	3.175	3.143	1.0	89	0.00
85	T	sec-Butylbenzene	3.884	3.940	-1.4	89	0.00
86	T	p-Isopropyltoluene	3.139	3.192	-1.7	89	0.00
87	T	1,3-Dichlorobenzene	1.643	1.603	2.4	92	0.00
88	T	1,4-Dichlorobenzene	1.662	1.559	6.2	88	0.00
89	T	n-Butylbenzene	2.703	2.851	-5.5	91	0.00
90	T	Hexachloroethane	0.568	0.544	4.2	86	0.00
91	T	1,2-Dichlorobenzene	1.648	1.595	3.2	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.279	0.271	2.9	90	0.00
93	T	1,2,4-Trichlorobenzene	0.938	0.909	3.1	86	0.00
94	T	Hexachlorobutadiene	0.385	0.371	3.6	91	0.00
95	T	Naphthalene	3.605	3.520	2.4	86	0.00

Sample Results: **VX045236.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045236.D
Acq On : 11 Mar 2025 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 12 01:55:54 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	0.956	3.4	86	0.00

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

Evaluate Continuing Calibration Report

Sample Results: **VX045236.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045236.D
Acq On : 11 Mar 2025 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 12 01:55:54 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	45.726	8.5	82	0.00
3	P	Chloromethane	50.000	45.323	9.4	83	0.00
4	C	Vinyl Chloride	50.000	42.613	14.8#	77	0.00
5	T	Bromomethane	50.000	46.150	7.7	85	0.00
6	T	Chloroethane	50.000	50.284	-0.6	85	0.00
7	T	Trichlorofluoromethane	50.000	46.911	6.2	81	0.00
8	T	Diethyl Ether	50.000	43.415	13.2	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.738	0.5	87	0.00
10	T	Methyl Iodide	50.000	50.626	-1.3	86	0.00
11	T	Tert butyl alcohol	250.000	186.427	25.4#	75	0.00
12	CM	1,1-Dichloroethene	50.000	46.700	6.6#	83	0.00
13	T	Acrolein	250.000	100.748	59.7#	36	0.00
14	T	Allyl chloride	50.000	48.552	2.9	86	0.00
15	T	Acrylonitrile	250.000	243.211	2.7	86	0.00
16	T	Acetone	250.000	229.716	8.1	86	0.00
17	T	Carbon Disulfide	50.000	40.503	19.0	72	0.00
18	T	Methyl Acetate	50.000	54.618	-9.2	100	0.00
19	T	Methyl tert-butyl Ether	50.000	47.278	5.4	84	0.00
20	T	Methylene Chloride	50.000	46.554	6.9	87	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.934	6.1	81	0.00
22	T	Diisopropyl ether	50.000	48.635	2.7	85	0.00
23	T	Vinyl Acetate	250.000	245.688	1.7	83	0.00
24	P	1,1-Dichloroethane	50.000	47.429	5.1	85	0.00
25	T	2-Butanone	250.000	244.195	2.3	84	0.00
26	T	2,2-Dichloropropane	50.000	60.305	-20.6	106	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.873	4.3	84	0.00
28	T	Bromochloromethane	50.000	47.718	4.6	84	0.00
29	T	Tetrahydrofuran	250.000	233.669	6.5	84	0.00
30	C	Chloroform	50.000	47.688	4.6#	85	0.00
31	T	Cyclohexane	50.000	46.852	6.3	82	0.00
32	T	1,1,1-Trichloroethane	50.000	47.964	4.1	84	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.363	9.3	85	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	88	0.00
35	S	Dibromofluoromethane	50.000	46.280	7.4	83	0.00
36	T	1,1-Dichloropropene	50.000	48.325	3.3	83	0.00
37	T	Ethyl Acetate	50.000	48.257	3.5	83	0.00
38	T	Carbon Tetrachloride	50.000	48.524	3.0	85	0.00
39	T	Methylcyclohexane	50.000	49.918	0.2	82	0.00
40	TM	Benzene	50.000	48.279	3.4	82	0.00
41	T	Methacrylonitrile	50.000	50.825	-1.7	84	0.00
42	TM	1,2-Dichloroethane	50.000	50.114	-0.2	87	0.00
43	T	Isopropyl Acetate	50.000	50.354	-0.7	83	0.00
44	TM	Trichloroethene	50.000	48.992	2.0	86	0.00
45	C	1,2-Dichloropropane	50.000	47.849	4.3#	84	0.00
46	T	Dibromomethane	50.000	50.517	-1.0	87	0.00
47	T	Bromodichloromethane	50.000	49.493	1.0	86	0.00
48	T	Methyl methacrylate	50.000	50.982	-2.0	85	0.00

Sample Results: **VX045236.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045236.D
Acq On : 11 Mar 2025 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 12 01:55:54 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	921.987	7.8	80	0.00
50	S	Toluene-d8	50.000	45.304	9.4	80	0.00
51	T	4-Methyl-2-Pentanone	250.000	265.178	-6.1	90	0.00
52	CM	Toluene	50.000	49.706	0.6#	83	0.00
53	T	t-1,3-Dichloropropene	50.000	51.776	-3.6	84	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.871	-3.7	86	0.00
55	T	1,1,2-Trichloroethane	50.000	48.779	2.4	84	0.00
56	T	Ethyl methacrylate	50.000	52.366	-4.7	86	0.00
57	T	1,3-Dichloropropane	50.000	50.051	-0.1	86	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	279.825	-11.9	90	0.00
59	T	2-Hexanone	250.000	269.459	-7.8	90	0.00
60	T	Dibromochloromethane	50.000	50.586	-1.2	85	0.00
61	T	1,2-Dibromoethane	50.000	49.904	0.2	86	0.00
62	S	4-Bromofluorobenzene	50.000	49.251	1.5	86	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	90	0.00
64	T	Tetrachloroethene	50.000	47.383	5.2	84	0.00
65	PM	Chlorobenzene	50.000	48.585	2.8	85	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	47.936	4.1	85	0.00
67	C	Ethyl Benzene	50.000	50.100	-0.2#	85	0.00
68	T	m/p-Xylenes	100.000	101.160	-1.2	85	0.00
69	T	o-Xylene	50.000	49.018	2.0	85	0.00
70	T	Styrene	50.000	51.703	-3.4	87	0.00
71	P	Bromoform	50.000	50.775	-1.5	88	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	48.697	2.6	88	0.00
74	T	N-amyl acetate	50.000	50.273	-0.5	89	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	46.625	6.8	90	0.00
76	T	1,2,3-Trichloropropane	50.000	47.174	5.7	92	0.00
77	T	Bromobenzene	50.000	46.980	6.0	88	0.00
78	T	n-propylbenzene	50.000	49.745	0.5	87	0.00
79	T	2-Chlorotoluene	50.000	47.340	5.3	89	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.457	1.1	88	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.228	5.5	91	0.00
82	T	4-Chlorotoluene	50.000	49.191	1.6	89	0.00
83	T	tert-Butylbenzene	50.000	48.200	3.6	89	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.489	1.0	89	0.00
85	T	sec-Butylbenzene	50.000	50.727	-1.5	89	0.00
86	T	p-Isopropyltoluene	50.000	50.842	-1.7	89	0.00
87	T	1,3-Dichlorobenzene	50.000	48.804	2.4	92	0.00
88	T	1,4-Dichlorobenzene	50.000	46.916	6.2	88	0.00
89	T	n-Butylbenzene	50.000	52.732	-5.5	91	0.00
90	T	Hexachloroethane	50.000	47.931	4.1	86	0.00
91	T	1,2-Dichlorobenzene	50.000	48.396	3.2	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.649	2.7	90	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.452	3.1	86	0.00
94	T	Hexachlorobutadiene	50.000	48.218	3.6	91	0.00
95	T	Naphthalene	50.000	48.828	2.3	86	0.00

Sample Results: **VX045236.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045236.D
Acq On : 11 Mar 2025 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Mar 12 01:55:54 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	48.282	3.4	86	0.00

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

QC SAMPLE DATA

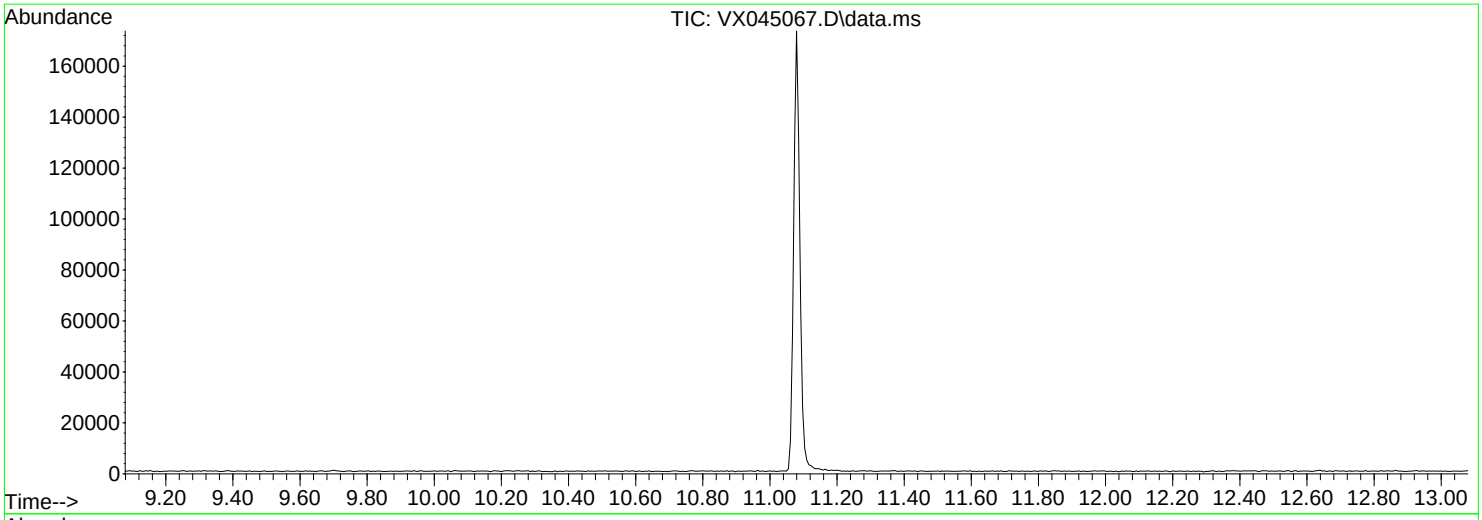
Sample Results: **VX045067.D**

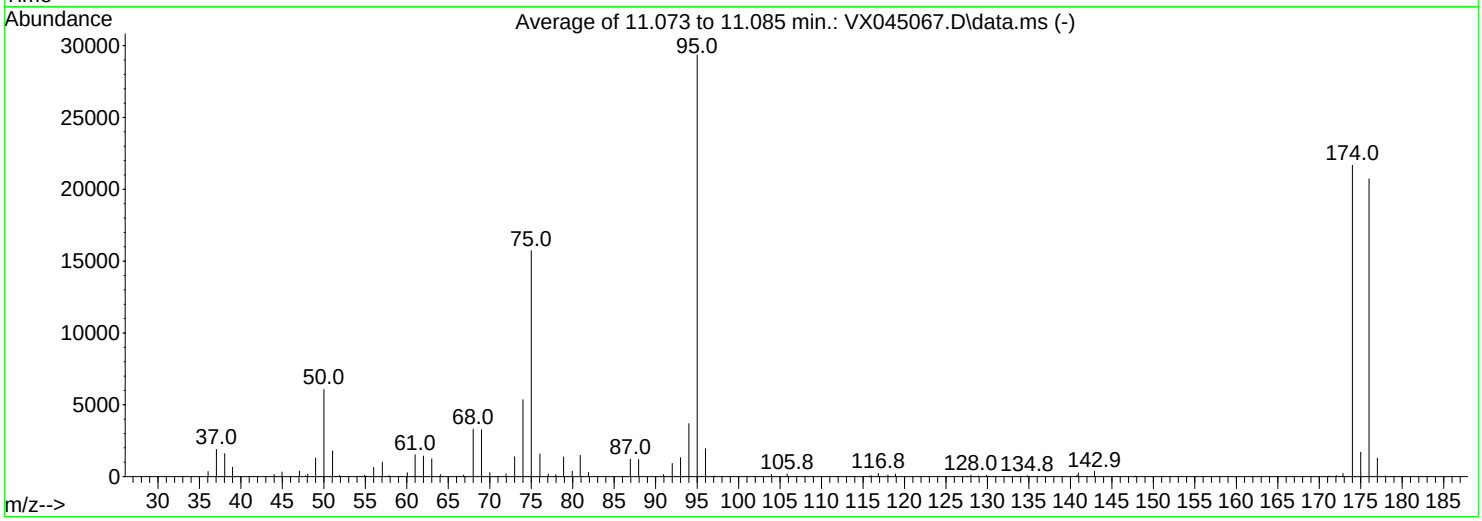
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022825\
Data File : VX045067.D
Acq On : 28 Feb 2025 01:03
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

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

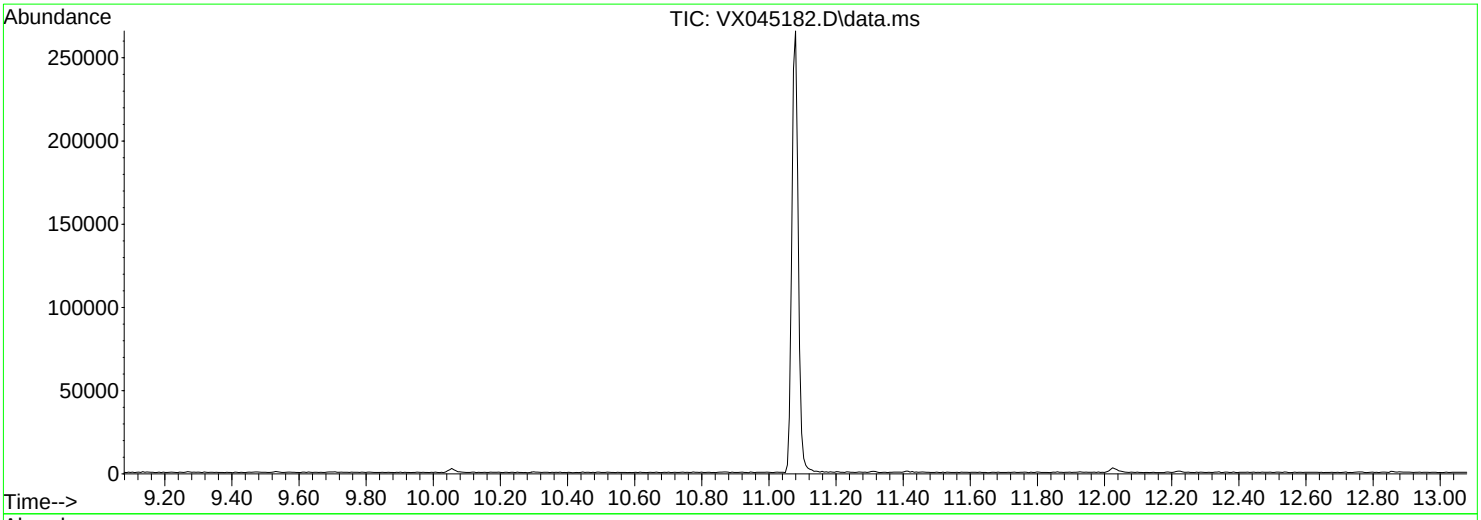
Sample Results: **VX045182.D**

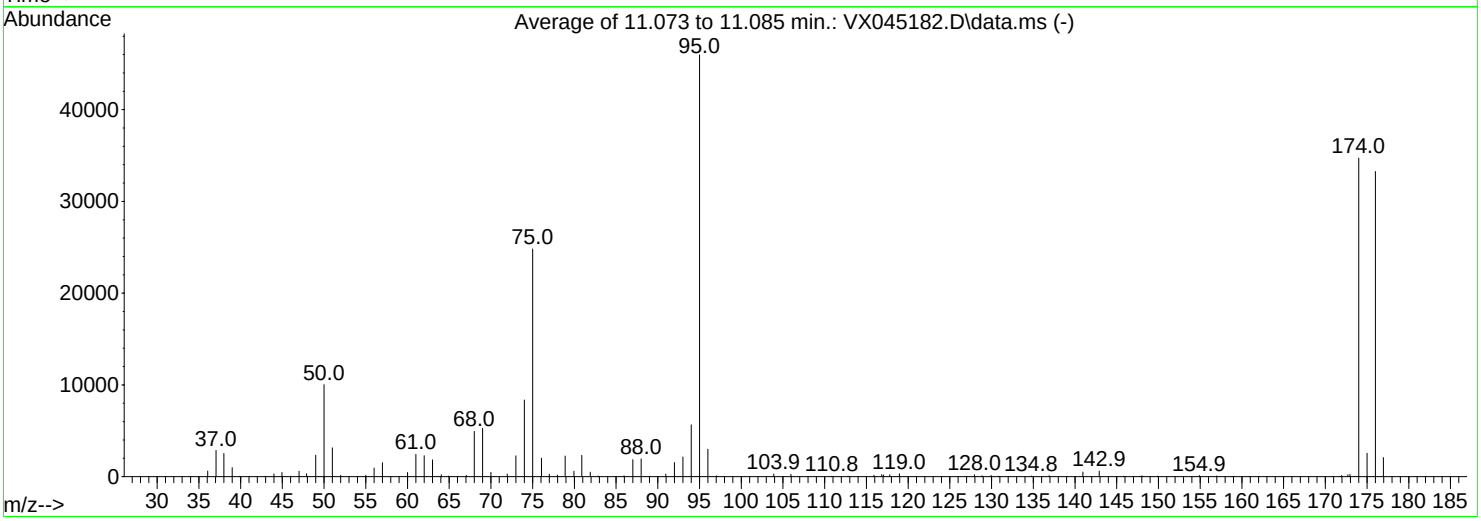
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045182.D
Acq On : 10 Mar 2025 09:38
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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	21.8	10024	PASS
75	95	30	60	54.0	24813	PASS
95	95	100	100	100.0	45976	PASS
96	95	5	9	6.5	2987	PASS
173	174	0.00	2	0.7	237	PASS
174	95	50	100	75.5	34717	PASS
175	174	5	9	7.3	2540	PASS
176	174	95	101	95.8	33261	PASS
177	176	5	9	6.2	2073	PASS

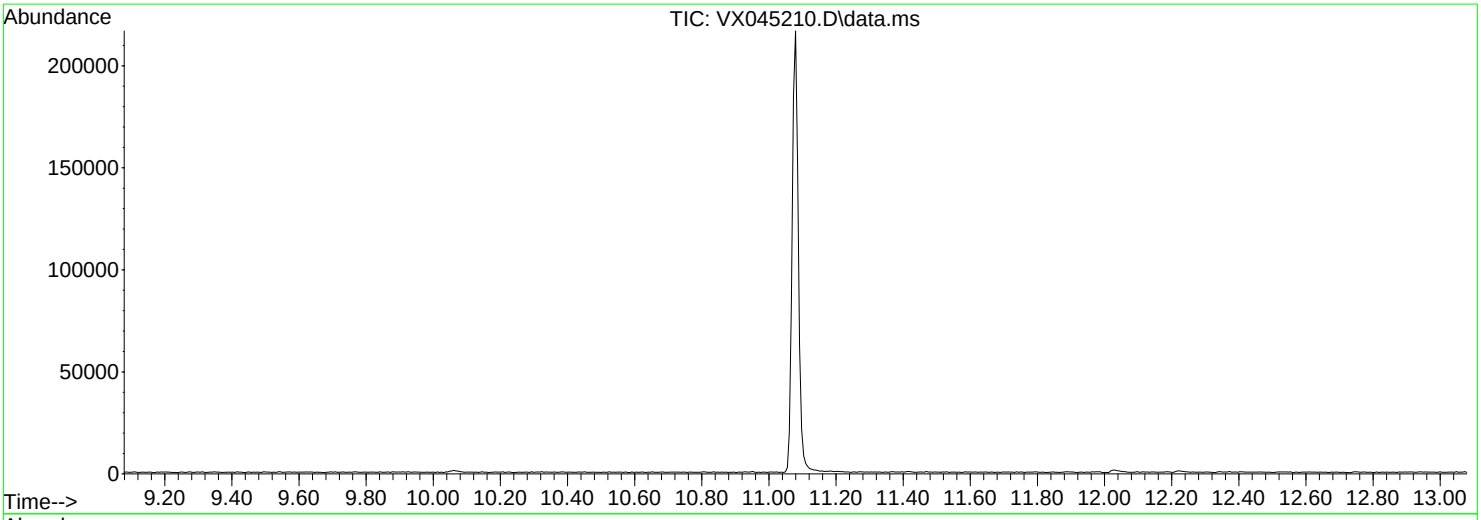
Sample Results: **VX045210.D**

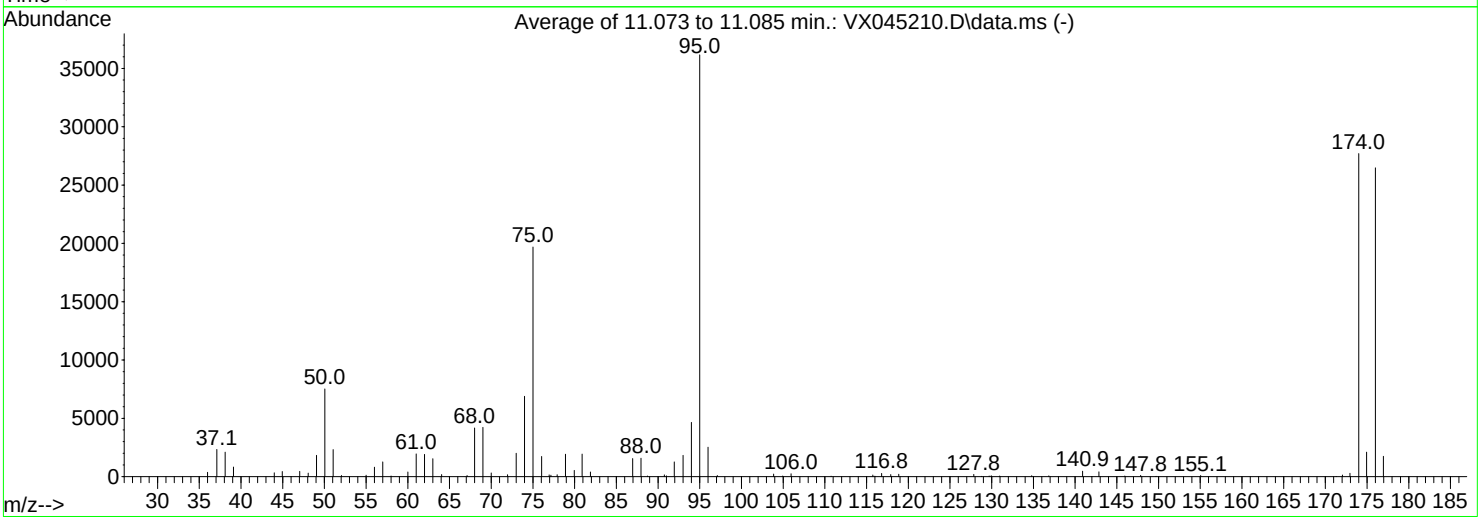
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045210.D
Acq On : 11 Mar 2025 09:30
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\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	20.8	7524	PASS
75	95	30	60	54.5	19691	PASS
95	95	100	100	100.0	36163	PASS
96	95	5	9	7.0	2523	PASS
173	174	0.00	2	1.0	284	PASS
174	95	50	100	76.6	27691	PASS
175	174	5	9	7.6	2094	PASS
176	174	95	101	95.6	26483	PASS
177	176	5	9	6.6	1736	PASS

Raw Data: **VX045185.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0310WBL01	SDG No.:	Q1500
Lab Sample ID:	VX0310WBL01	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
VX045185.D	1		03/10/25 10:57	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	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	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX045185.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0310WBL01	SDG No.:	Q1500
Lab Sample ID:	VX0310WBL01	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
VX045185.D	1		03/10/25 10:57	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.0		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	76500	5.55				
540-36-3	1,4-Difluorobenzene	153000	6.757				
3114-55-4	Chlorobenzene-d5	140000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	59400	12.018				

Raw Data: **VX045185.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0310WBL01	SDG No.:	Q1500
Lab Sample ID:	VX0310WBL01	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
VX045185.D	1		03/10/25 10:57	VX031025

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\VX031025\
Data File : VX045185.D
Acq On : 10 Mar 2025 10:57
Operator : JC/MD
Sample : VX0310WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBL01

Quant Time: Mar 11 03:51:06 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	76457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152674	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59432	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64489	53.027	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.060%			
35) Dibromofluoromethane	5.379	113	52216	51.147	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.300%			
50) Toluene-d8	8.647	98	187192	50.578	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.160%			
62) 4-Bromofluorobenzene	11.079	95	65631	53.514	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.020%			

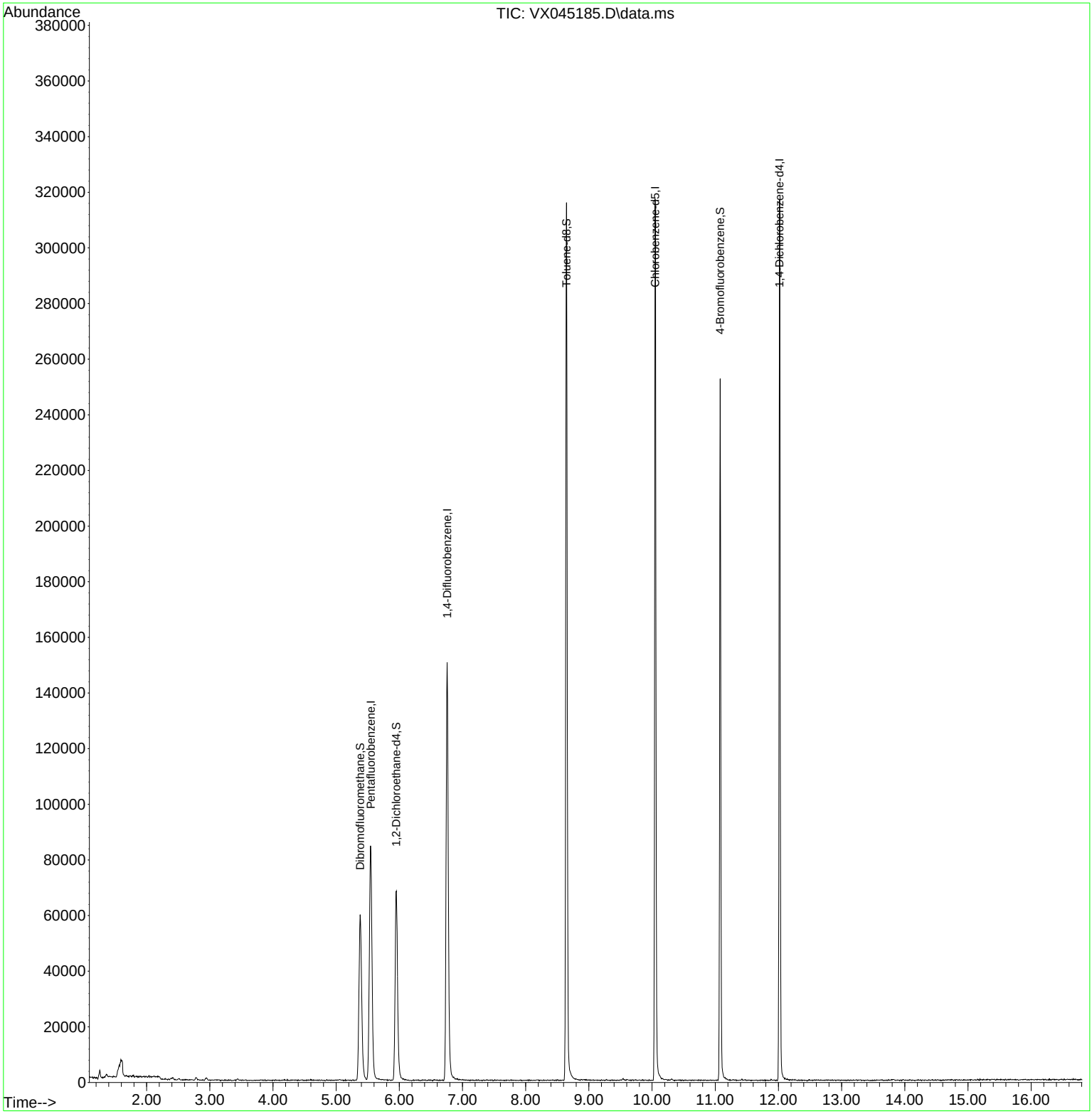
Target Compounds Qvalue

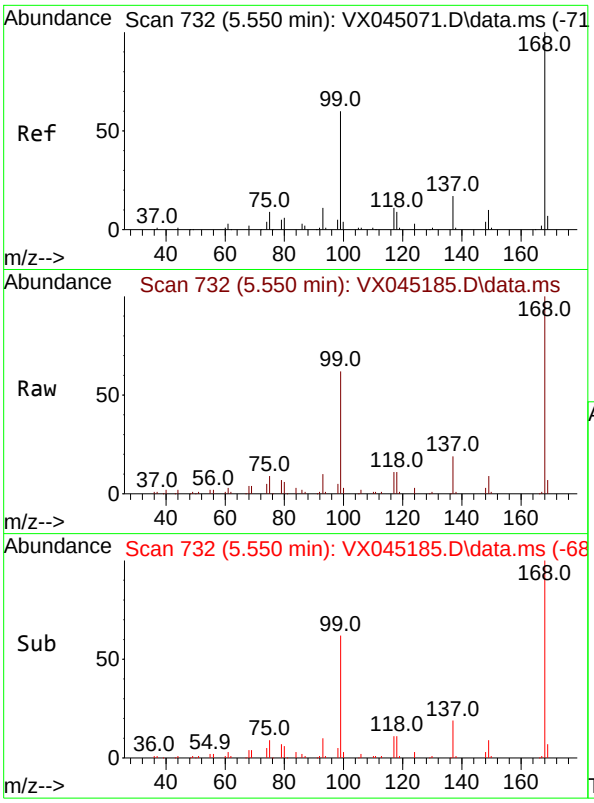
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045185.D
Acq On : 10 Mar 2025 10:57
Operator : JC/MD
Sample : VX0310WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBL01

Quant Time: Mar 11 03:51:06 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



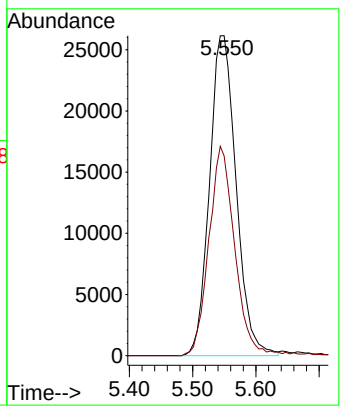


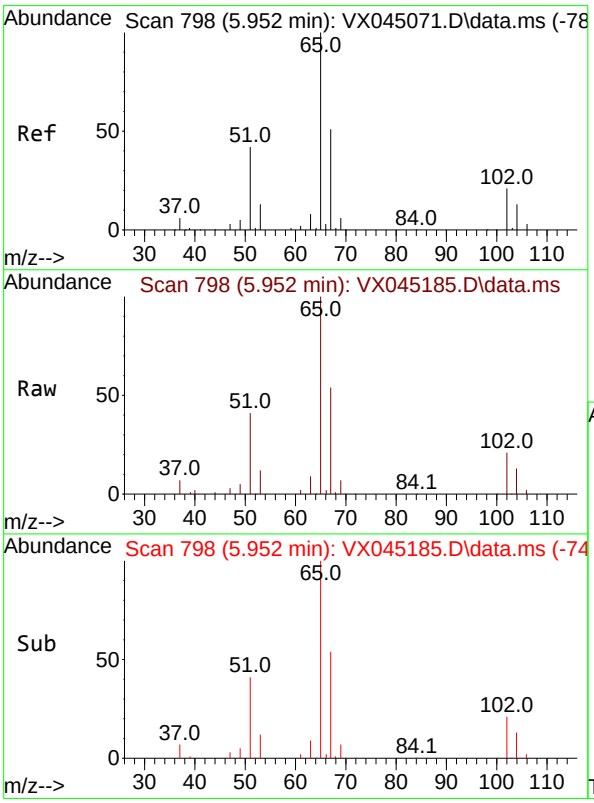
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045185.D
Acq: 10 Mar 2025 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBL01

Tgt Ion:168 Resp: 76457

Ion	Ratio	Lower	Upper
168	100		
99	62.5	48.2	72.4

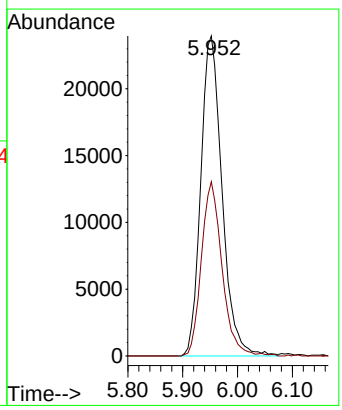


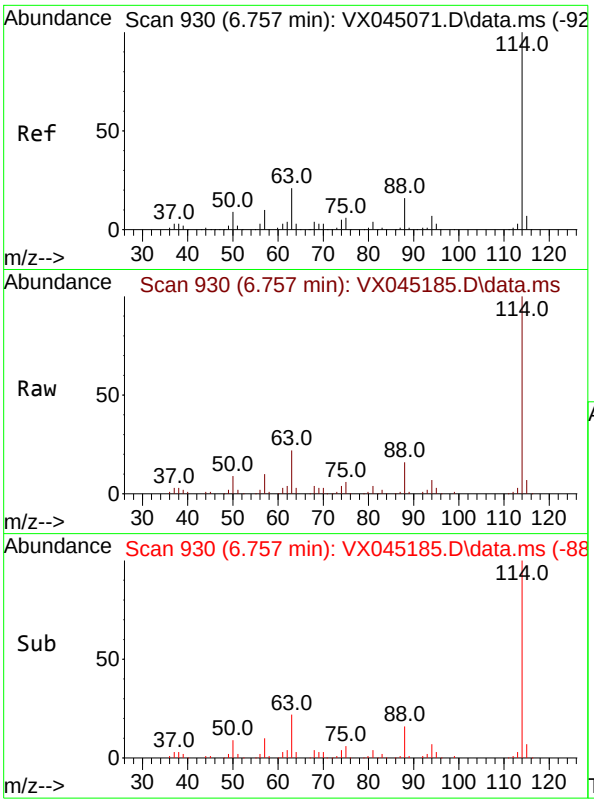


#33
1,2-Dichloroethane-d4
Concen: 53.027 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045185.D
Acq: 10 Mar 2025 10:57

Tgt Ion: 65 Resp: 64489

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	106.2



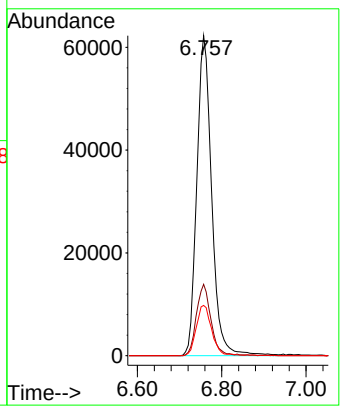


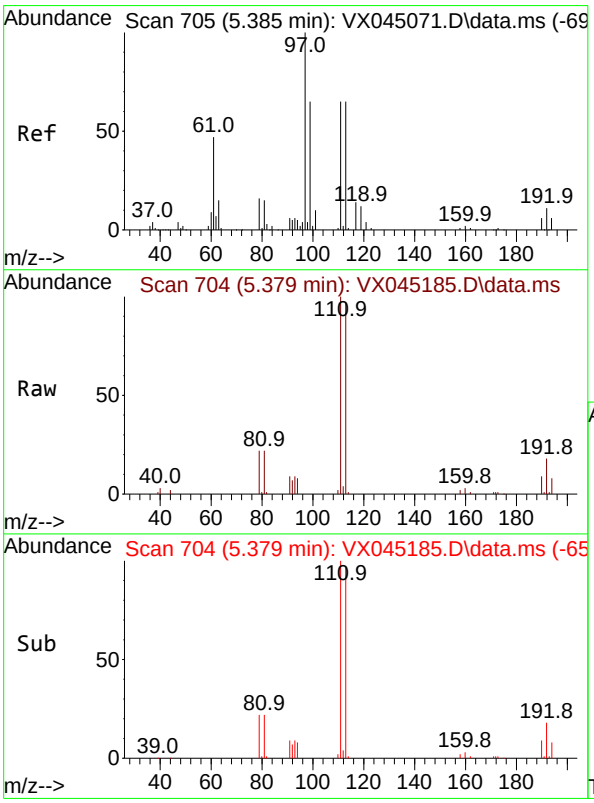
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045185.D
Acq: 10 Mar 2025 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBL01

Tgt Ion:114 Resp: 152674

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	41.8
88	15.7	0.0	32.8

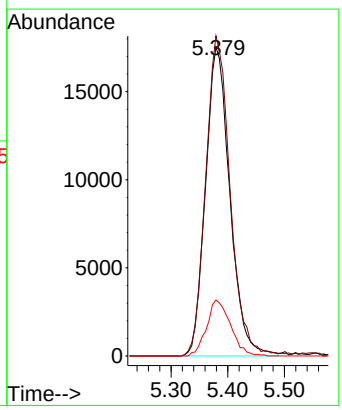


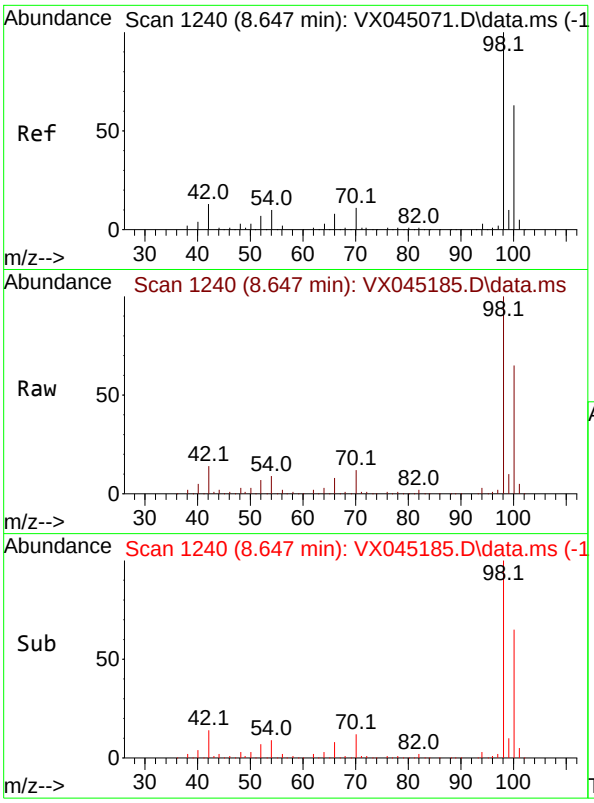


#35
Dibromofluoromethane
Concen: 51.147 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045185.D
Acq: 10 Mar 2025 10:57

Tgt Ion:113 Resp: 52216

Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.8	122.6
192	17.9	14.3	21.5



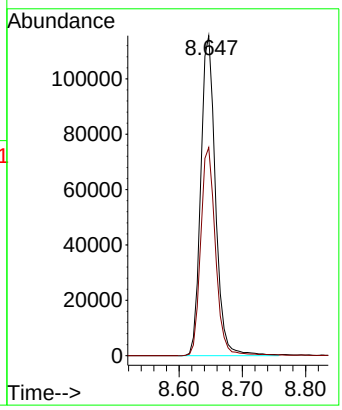


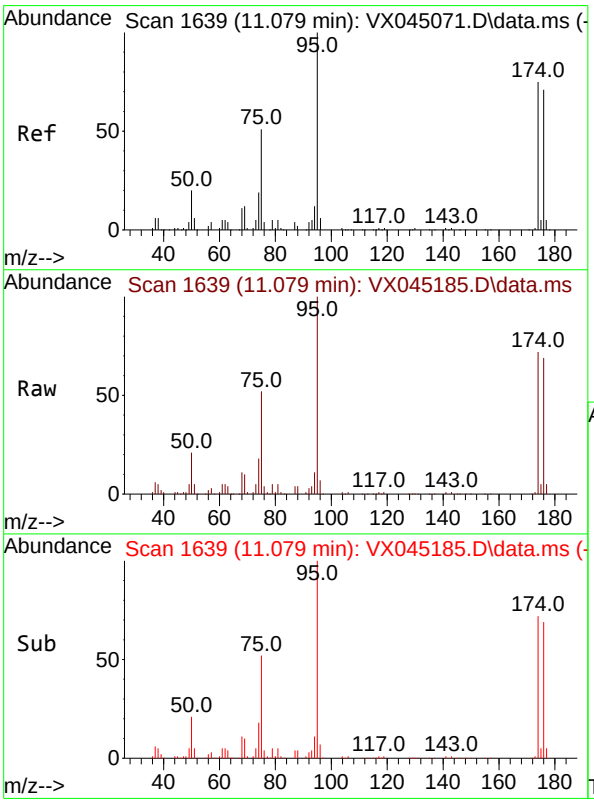
#50
Toluene-d8
Concen: 50.578 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045185.D
Acq: 10 Mar 2025 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBL01

Tgt Ion: 98 Resp: 187192

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0

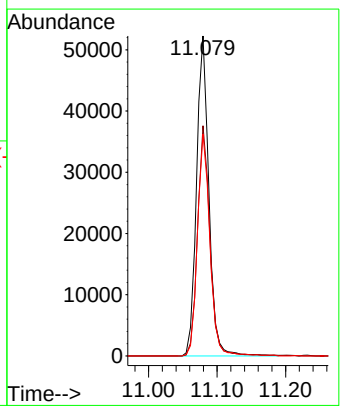


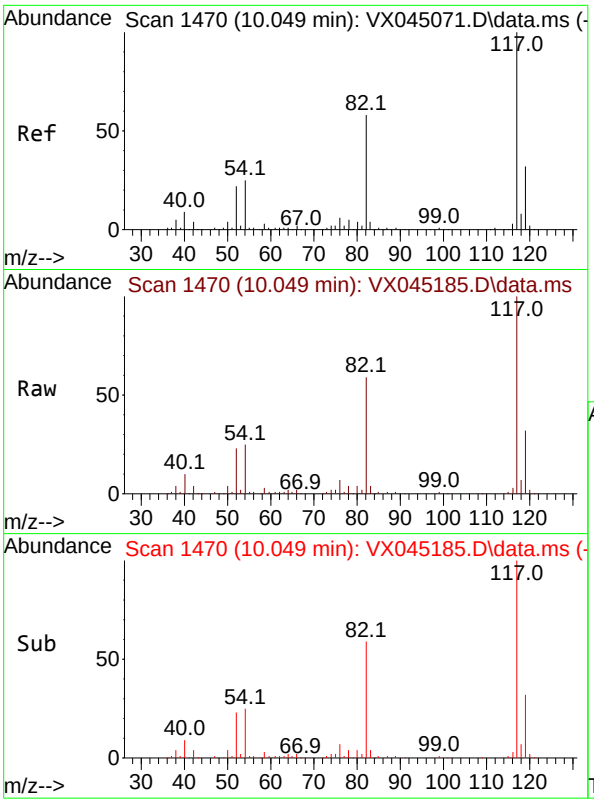


#62
4-Bromofluorobenzene
Concen: 53.514 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045185.D
Acq: 10 Mar 2025 10:57

Tgt Ion: 95 Resp: 65631

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	148.2
176	69.9	0.0	141.4



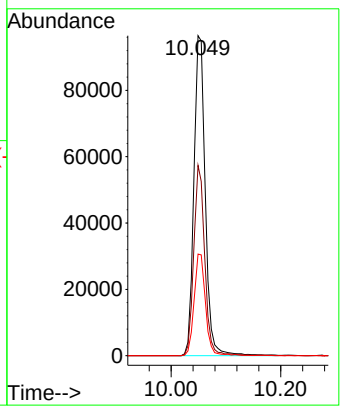


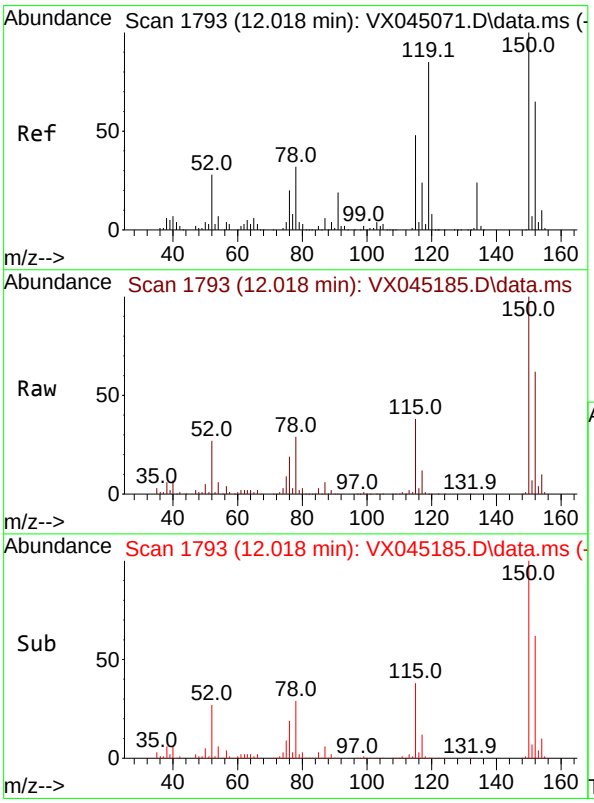
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045185.D
Acq: 10 Mar 2025 10:57

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBL01

Tgt Ion:117 Resp: 139915

Ion	Ratio	Lower	Upper
117	100		
82	59.4	46.3	69.5
119	31.8	25.7	38.5

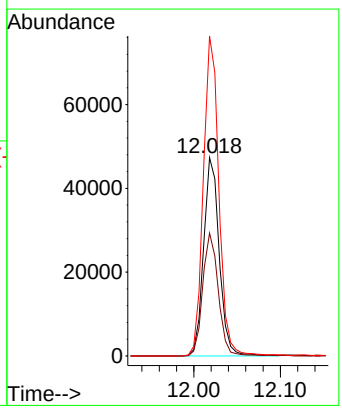




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045185.D
Acq: 10 Mar 2025 10:57

Tgt Ion:152 Resp: 59432

Ion	Ratio	Lower	Upper
152	100		
115	61.9	44.2	132.6
150	160.1	0.0	349.0



Raw Data: **VX045213.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0311WBL01	SDG No.:	Q1500
Lab Sample ID:	VX0311WBL01	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
VX045213.D	1		03/11/25 10:51	VX031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.34	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	0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.34	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	0.26	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.32	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	0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.25	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	1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	1.30	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	0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.19	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.75	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.18	0.50	1.00	ug/L

Raw Data: **VX045213.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0311WBL01	SDG No.:	Q1500
Lab Sample ID:	VX0311WBL01	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
VX045213.D	1		03/11/25 10:51	VX031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.18	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	1.10	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	0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.14	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.16	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.3		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	70000	5.544				
540-36-3	1,4-Difluorobenzene	139000	6.757				
3114-55-4	Chlorobenzene-d5	126000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	50100	12.024				

Raw Data: **VX045213.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0311WBL01	SDG No.:	Q1500
Lab Sample ID:	VX0311WBL01	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
VX045213.D	1		03/11/25 10:51	VX031125

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\VX031125\
Data File : VX045213.D
Acq On : 11 Mar 2025 10:51
Operator : JC/MD
Sample : VX0311WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBL01

Quant Time: Mar 12 01:43:18 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

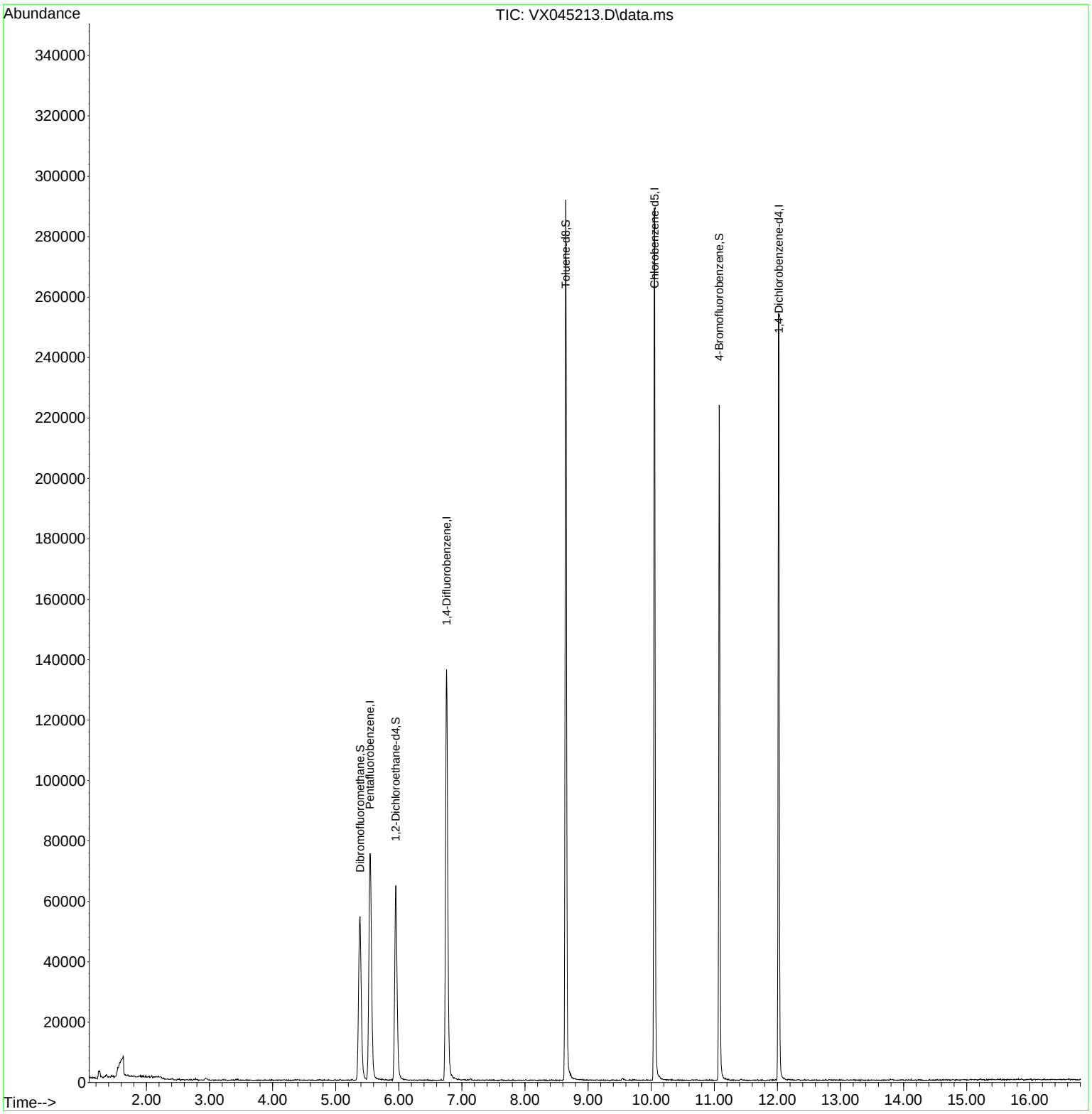
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	69956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139206	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59358	53.343	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.680%			
35) Dibromofluoromethane	5.385	113	47150	50.653	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.300%			
50) Toluene-d8	8.647	98	170914	50.647	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.300%			
62) 4-Bromofluorobenzene	11.079	95	57517	51.435	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.880%			
Target Compounds						Qvalue

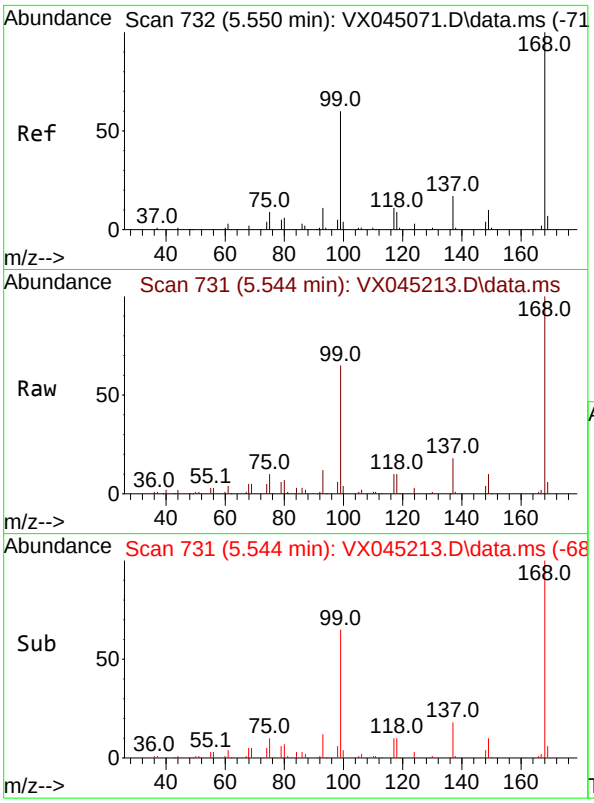
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045213.D
Acq On : 11 Mar 2025 10:51
Operator : JC/MD
Sample : VX0311WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBL01

Quant Time: Mar 12 01:43:18 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



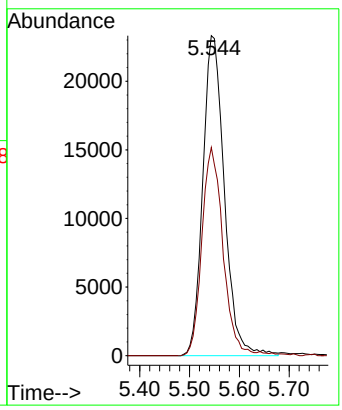


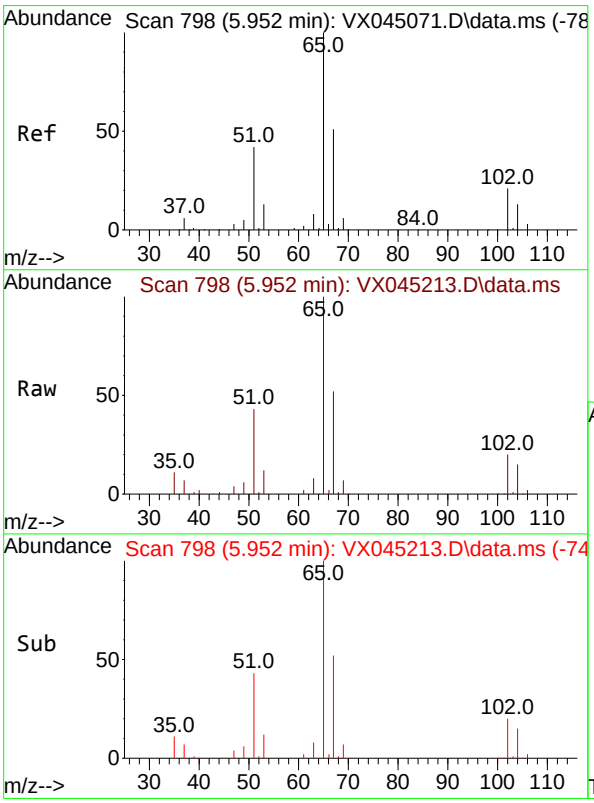
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045213.D
Acq: 11 Mar 2025 10:51

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBL01

Tgt Ion:168 Resp: 69956

Ion	Ratio	Lower	Upper
168	100		
99	65.0	48.2	72.4

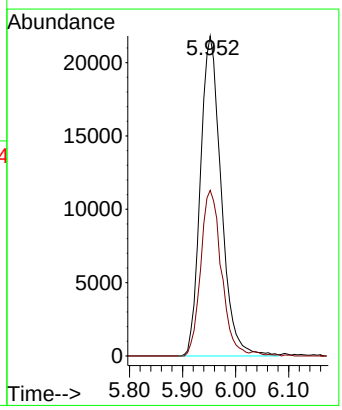


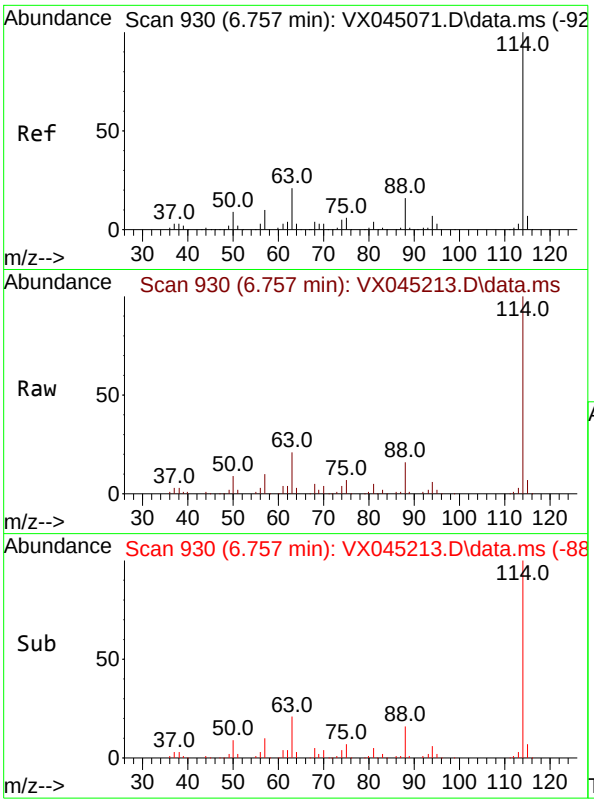


#33
1,2-Dichloroethane-d4
Concen: 53.343 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045213.D
Acq: 11 Mar 2025 10:51

Tgt Ion: 65 Resp: 59358

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.2



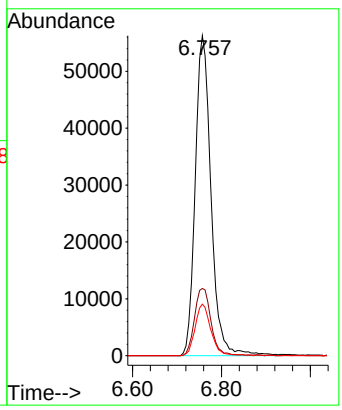


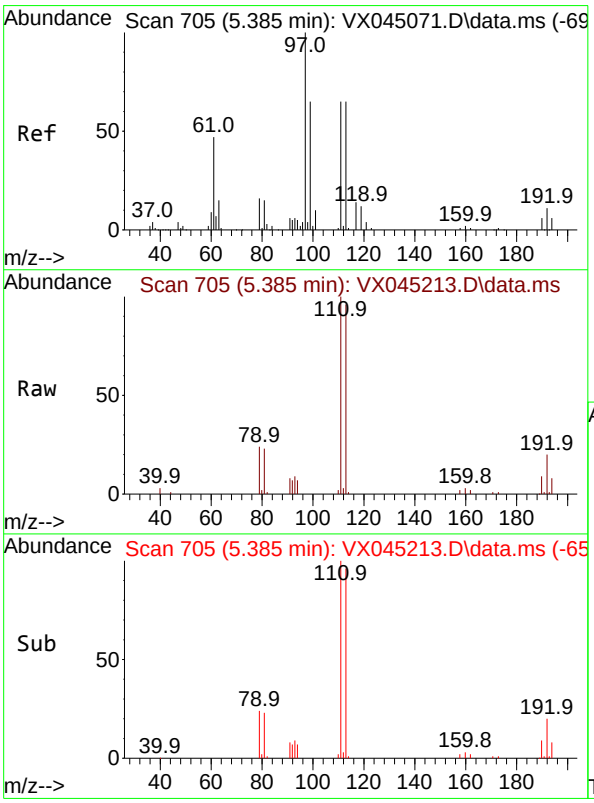
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX045213.D
Acq: 11 Mar 2025 10:51

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBL01

Tgt Ion:114 Resp: 139206

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	41.8
88	16.1	0.0	32.8

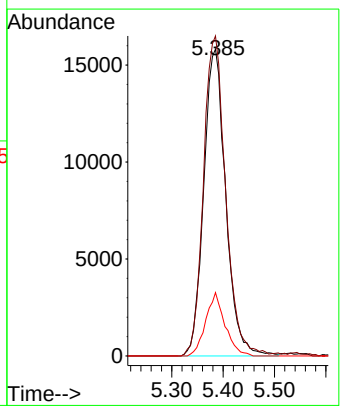


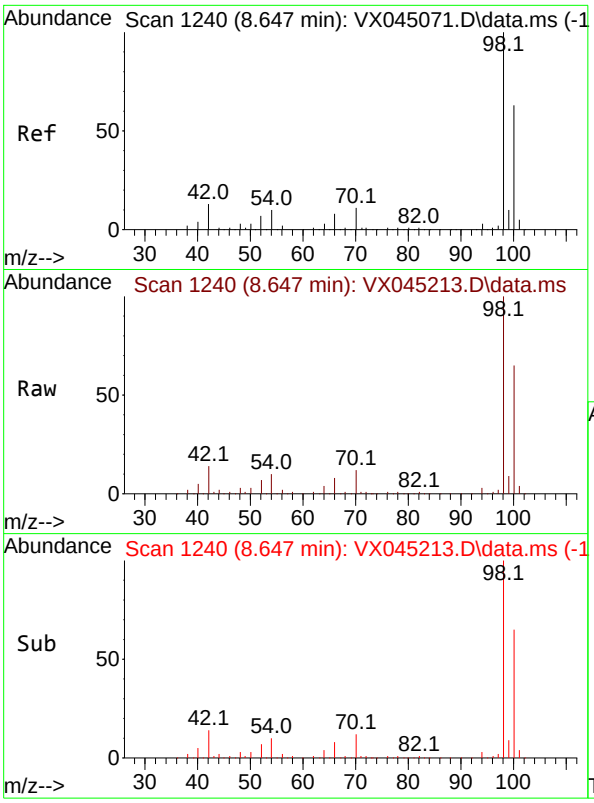


#35
Dibromofluoromethane
Concen: 50.653 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045213.D
Acq: 11 Mar 2025 10:51

Tgt Ion:113 Resp: 47150

Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.8	122.6
192	18.1	14.3	21.5



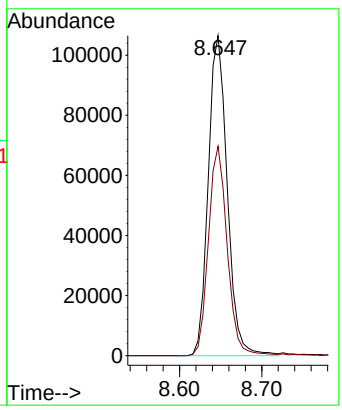


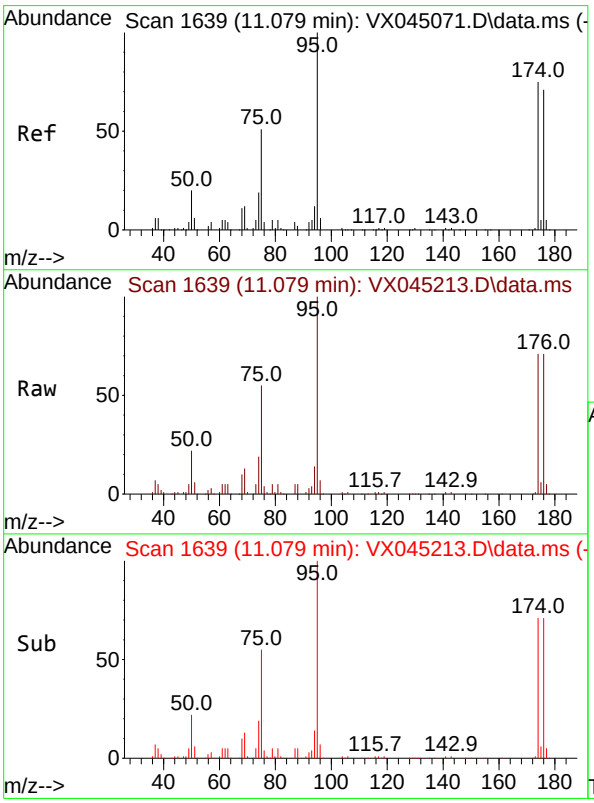
#50
Toluene-d8
Concen: 50.647 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045213.D
Acq: 11 Mar 2025 10:51

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBL01

Tgt Ion: 98 Resp: 170914

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.0	78.0

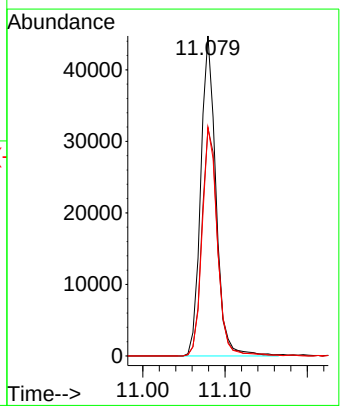


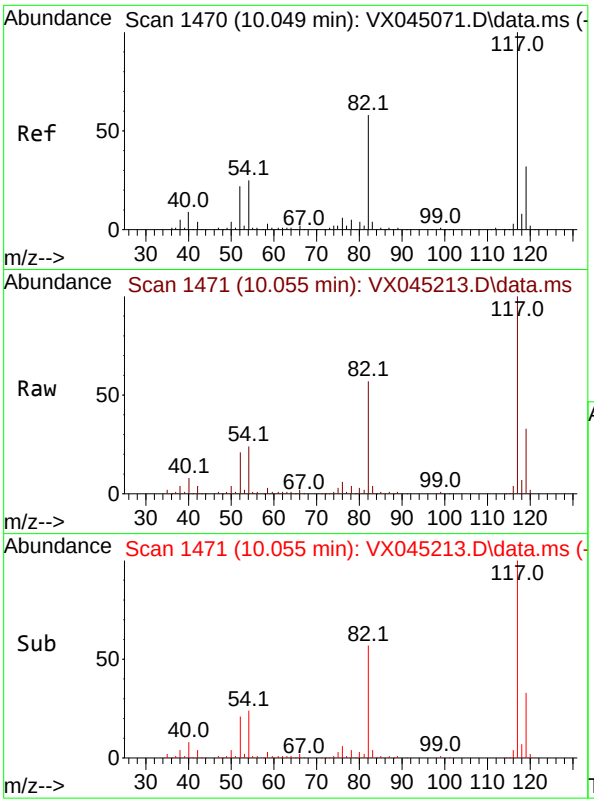


#62
4-Bromofluorobenzene
Concen: 51.435 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045213.D
Acq: 11 Mar 2025 10:51

Tgt Ion: 95 Resp: 57517

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	148.2
176	71.2	0.0	141.4



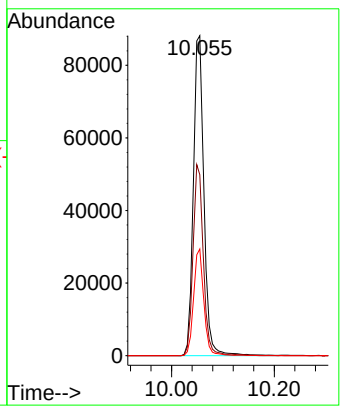


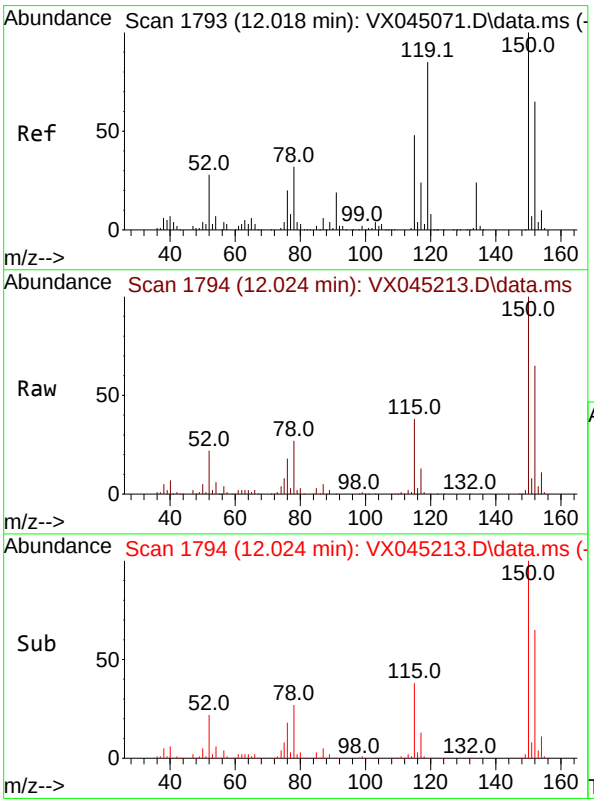
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045213.D
Acq: 11 Mar 2025 10:51

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBL01

Tgt Ion:117 Resp: 126312

Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.3	69.5
119	33.4	25.7	38.5

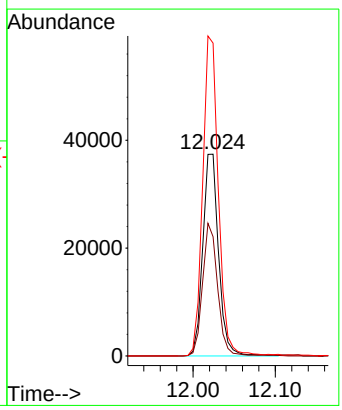




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045213.D
Acq: 11 Mar 2025 10:51

Tgt Ion:152 Resp: 50068

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.2	132.6
150	156.6	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:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0310WBS01	SDG No.:	Q1500
Lab Sample ID:	VX0310WBS01	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
VX045186.D	1		03/10/25 11:20	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.4		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	18.7		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.1		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	17.9		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.5		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.6		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.26	0.75	1.00	ug/L
67-64-1	Acetone	87.4		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.7		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	20.5		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.5		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.7		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.9		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	94.2		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	16.6		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	18.5		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	20.2		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.2		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.4		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.9		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.3		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.4		0.18	0.50	1.00	ug/L

Raw Data: **VX045186.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0310WBS01	SDG No.:	Q1500
Lab Sample ID:	VX0310WBS01	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
VX045186.D	1		03/10/25 11:20	VX031025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.9		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.5		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	19.7		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.4		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.6		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.5		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.8		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.4		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	20.1		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.4		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.9		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.8		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.1		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.5		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.0		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.9		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.1		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.2		89 - 112		98%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	104000	5.543				
540-36-3	1,4-Difluorobenzene	186000	6.757				
3114-55-4	Chlorobenzene-d5	162000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	75000	12.018				

Raw Data: **VX045186.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0310WBS01	SDG No.:	Q1500
Lab Sample ID:	VX0310WBS01	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
VX045186.D	1		03/10/25 11:20	VX031025

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\VX031025\
Data File : VX045186.D
Acq On : 10 Mar 2025 11:20
Operator : JC/MD
Sample : VX0310WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 11 03:51:31 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 :
VX0310WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	104404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186124	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	161878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79937	48.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.260%			
35) Dibromofluoromethane	5.385	113	62021	49.834	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.660%			
50) Toluene-d8	8.647	98	221802	49.159	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.320%			
62) 4-Bromofluorobenzene	11.079	95	77677	51.953	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25480	19.388	ug/l	91
3) Chloromethane	1.306	50	30120	18.728	ug/l	94
4) Vinyl Chloride	1.373	62	27203	17.050	ug/l	99
5) Bromomethane	1.593	94	11257	17.948	ug/l	98
6) Chloroethane	1.666	64	15093	20.509	ug/l	97
7) Trichlorofluoromethane	1.873	101	39363	18.637	ug/l	98
8) Diethyl Ether	2.136	74	13933	16.866	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.318	101	24695	20.351	ug/l	98
10) Methyl Iodide	2.446	142	29249	19.288	ug/l	99
11) Tert butyl alcohol	2.983	59	24519	77.946	ug/l	99
12) 1,1-Dichloroethene	2.306	96	23946	18.665	ug/l	98
13) Acrolein	2.233	56	25651	70.542	ug/l	99
14) Allyl chloride	2.654	41	44610	19.535	ug/l	100
15) Acrylonitrile	3.062	53	80059	94.962	ug/l	98
16) Acetone	2.385	43	67362	87.425	ug/l	99
17) Carbon Disulfide	2.501	76	58757	17.196	ug/l	98
18) Methyl Acetate	2.703	43	38051	20.528	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	80687	18.746	ug/l	99
20) Methylene Chloride	2.788	84	28222	18.491	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	23289	18.375	ug/l	99
22) Diisopropyl ether	3.763	45	89520	19.275	ug/l	95
23) Vinyl Acetate	3.721	43	369903	95.441	ug/l	99
24) 1,1-Dichloroethane	3.605	63	48546	18.651	ug/l	99
25) 2-Butanone	4.562	43	109232	94.181	ug/l	97
26) 2,2-Dichloropropane	4.470	77	33647	27.560	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	29880	19.098	ug/l	97
28) Bromochloromethane	4.891	49	20590	16.596	ug/l	100
29) Tetrahydrofuran	5.007	42	70531	90.555	ug/l	100
30) Chloroform	5.086	83	47832	18.495	ug/l	98
31) Cyclohexane	5.464	56	42654	18.878	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	39615	18.966	ug/l	98
36) 1,1-Dichloropropene	5.690	75	32267	18.905	ug/l	99
37) Ethyl Acetate	4.714	43	39137	17.795	ug/l	100
38) Carbon Tetrachloride	5.671	117	33546	19.359	ug/l	98
39) Methylcyclohexane	7.378	83	41286	20.187	ug/l	97
40) Benzene	6.031	78	103744	19.249	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045186.D
Acq On : 10 Mar 2025 11:20
Operator : JC/MD
Sample : VX0310WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 11 03:51:31 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 :
VX0310WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	22303	18.755	ug/l		96
42) 1,2-Dichloroethane	6.086	62	37579	19.362	ug/l		99
43) Isopropyl Acetate	6.336	43	64125	19.718	ug/l		99
44) Trichloroethene	7.122	130	23972	18.942	ug/l		91
45) 1,2-Dichloropropane	7.427	63	26718	19.281	ug/l		95
46) Dibromomethane	7.580	93	19155	19.557	ug/l		97
47) Bromodichloromethane	7.817	83	37100	19.311	ug/l		98
48) Methyl methacrylate	7.696	41	31537	19.329	ug/l		100
49) 1,4-Dioxane	7.665	88	12191	354.221	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	219362	100.457	ug/l		100
52) Toluene	8.714	92	61445	19.431	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	31894	19.858	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	38485	20.549	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	24738	19.003	ug/l		96
56) Ethyl methacrylate	9.116	69	39475	19.949	ug/l		98
57) 1,3-Dichloropropane	9.305	76	43395	19.262	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	90184	93.427	ug/l		98
59) 2-Hexanone	9.427	43	160886	101.689	ug/l		99
60) Dibromochloromethane	9.518	129	26805	19.693	ug/l		99
61) 1,2-Dibromoethane	9.610	107	25223	19.408	ug/l		98
64) Tetrachloroethene	9.268	164	20281	19.562	ug/l		98
65) Chlorobenzene	10.079	112	68266	19.930	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	21711	19.033	ug/l		99
67) Ethyl Benzene	10.189	91	117938	19.760	ug/l		100
68) m/p-Xylenes	10.299	106	88499	40.505	ug/l		99
69) o-Xylene	10.640	106	43660	19.813	ug/l		98
70) Styrene	10.652	104	72752	20.404	ug/l		100
71) Bromoform	10.799	173	17262	20.068	ug/l	#	100
73) Isopropylbenzene	10.963	105	113373	19.375	ug/l		100
74) N-amyl acetate	10.841	43	53626	19.531	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	40510	18.866	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	36475m	20.904	ug/l		
77) Bromobenzene	11.195	156	27133	19.653	ug/l		99
78) n-propylbenzene	11.305	91	132378	20.027	ug/l		99
79) 2-Chlorotoluene	11.359	91	80667	19.162	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	95140	20.108	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	10209	20.022	ug/l		94
82) 4-Chlorotoluene	11.451	91	89366	19.478	ug/l		99
83) tert-Butylbenzene	11.713	119	94493	19.437	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	96117	20.190	ug/l		99
85) sec-Butylbenzene	11.890	105	118612	20.368	ug/l		100
86) p-Isopropyltoluene	12.006	119	96823	20.574	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	48722	19.782	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	47601	19.103	ug/l		96
89) n-Butylbenzene	12.329	91	83410	20.579	ug/l		99
90) Hexachloroethane	12.536	117	16215	19.049	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	48277	19.540	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7713	18.437	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	26788	19.041	ug/l		98
94) Hexachlorobutadiene	13.725	225	11700	20.285	ug/l		98
95) Naphthalene	13.774	128	102523	18.968	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	28112	18.942	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045186.D
Acq On : 10 Mar 2025 11:20
Operator : JC/MD
Sample : VX0310WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

Quant Time: Mar 11 03:51:31 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

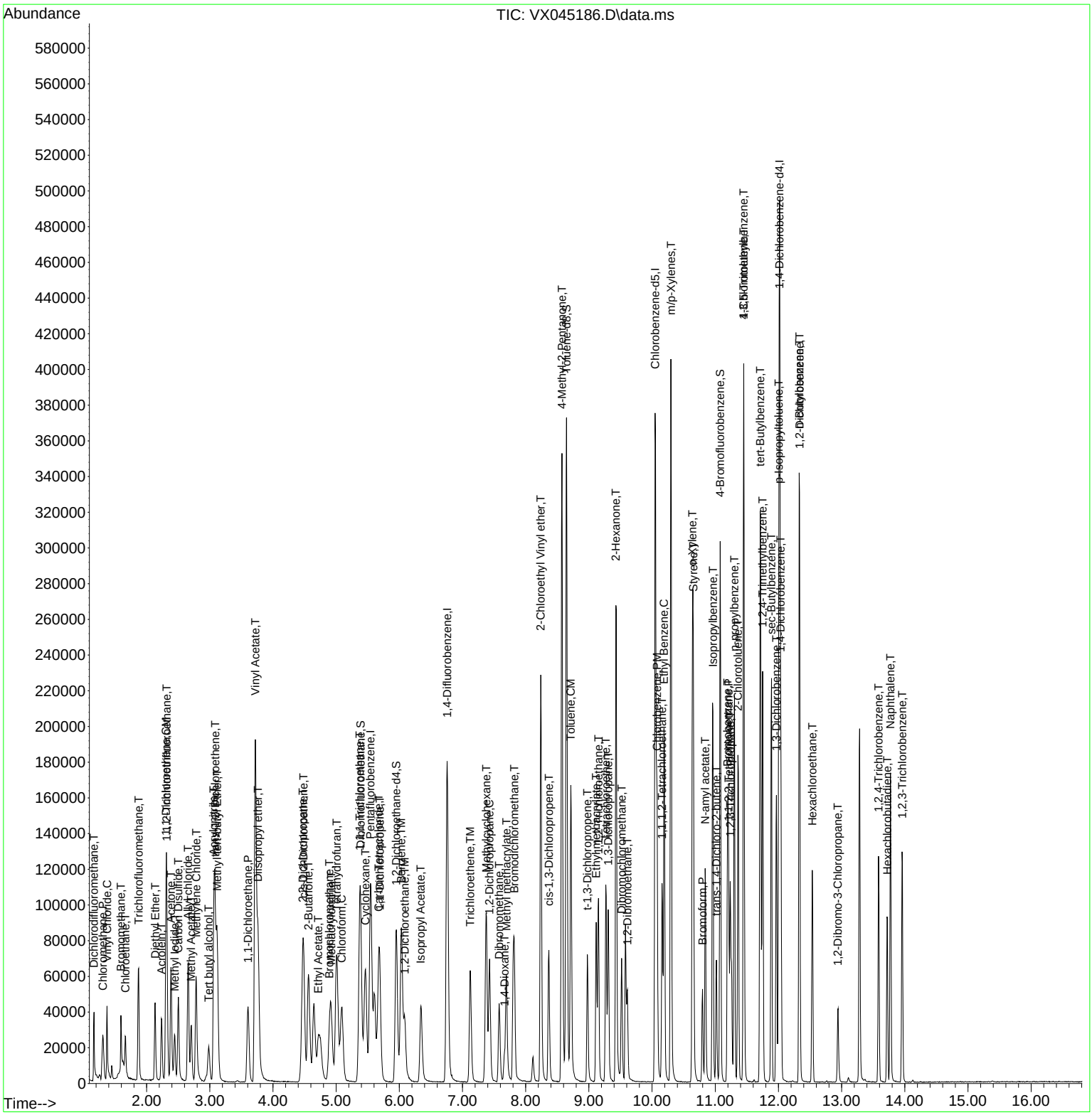
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Operator : JC/MD
Sample : VX0310WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

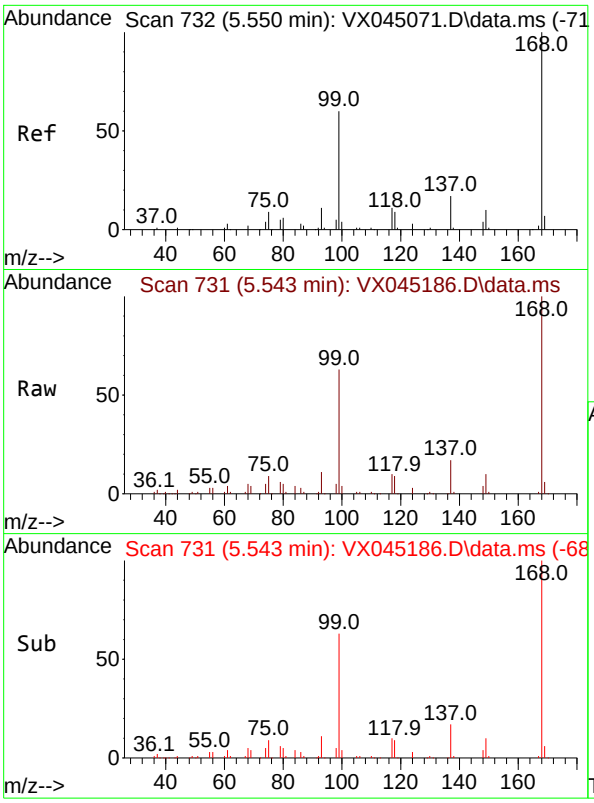
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QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

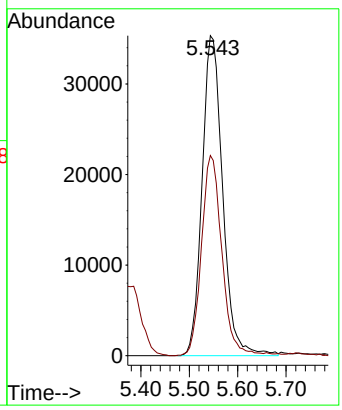




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:168 Resp: 10440

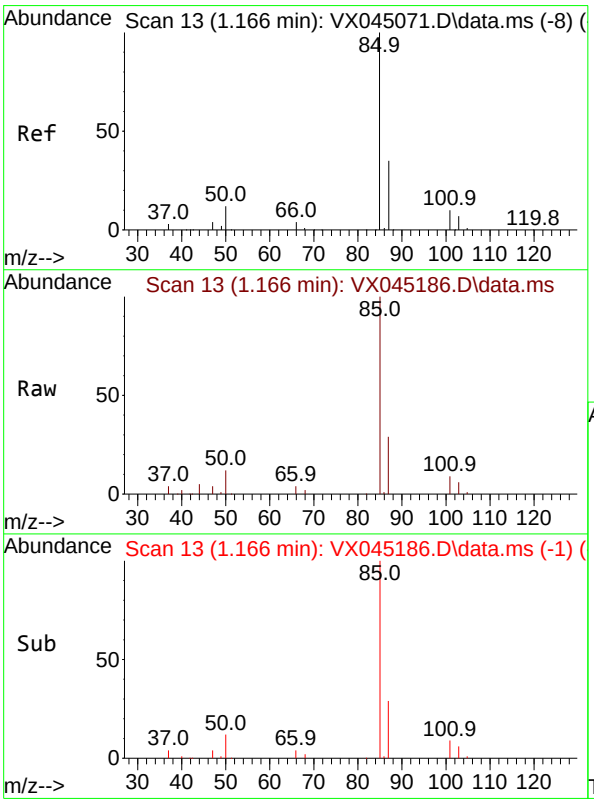
Ion	Ratio	Lower	Upper
168	100		
99	62.4	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

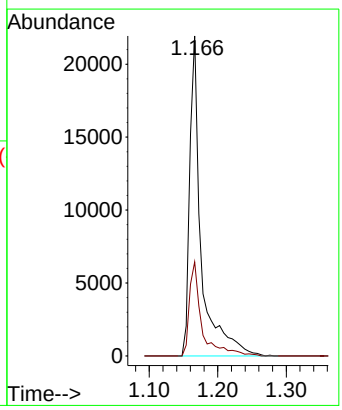
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

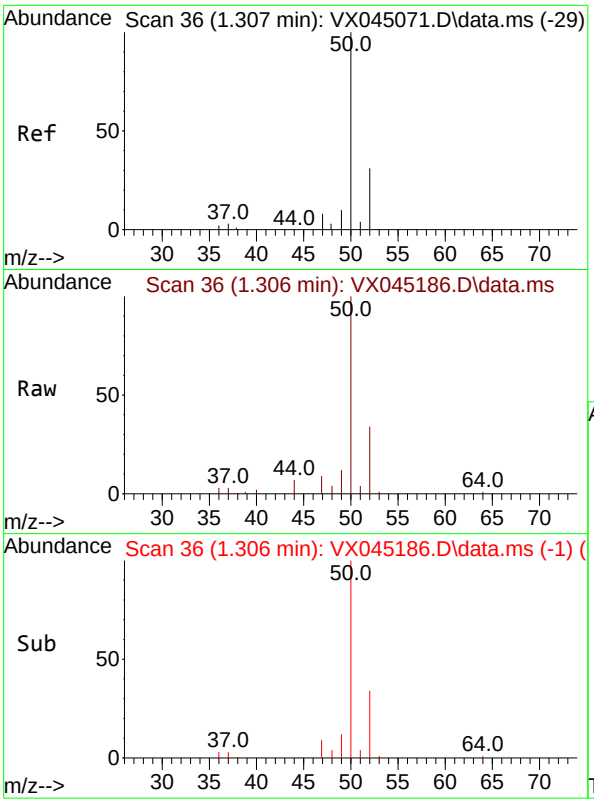


#2
Dichlorodifluoromethane
Concen: 19.388 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 85 Resp: 25480

Ion	Ratio	Lower	Upper
85	100		
87	29.4	17.4	52.3





#3
Chloromethane
Concen: 18.728 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

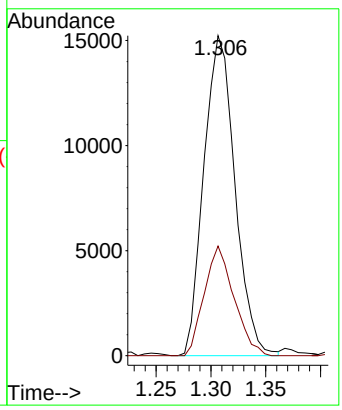
Tgt Ion: 50 Resp: 3012

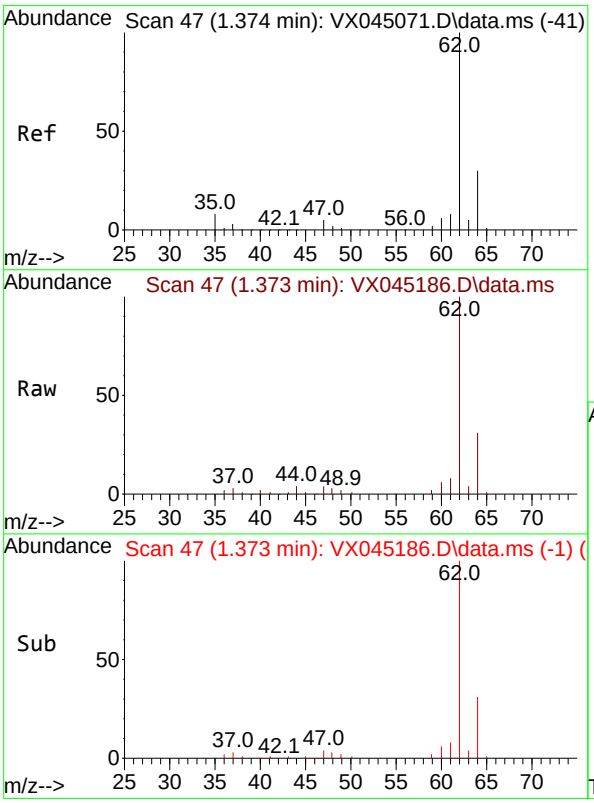
Ion	Ratio	Lower	Upper
50	100		
52	34.2	25.0	37.4

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

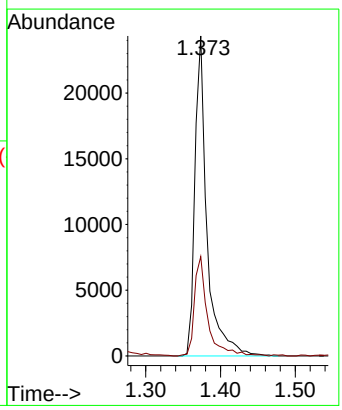


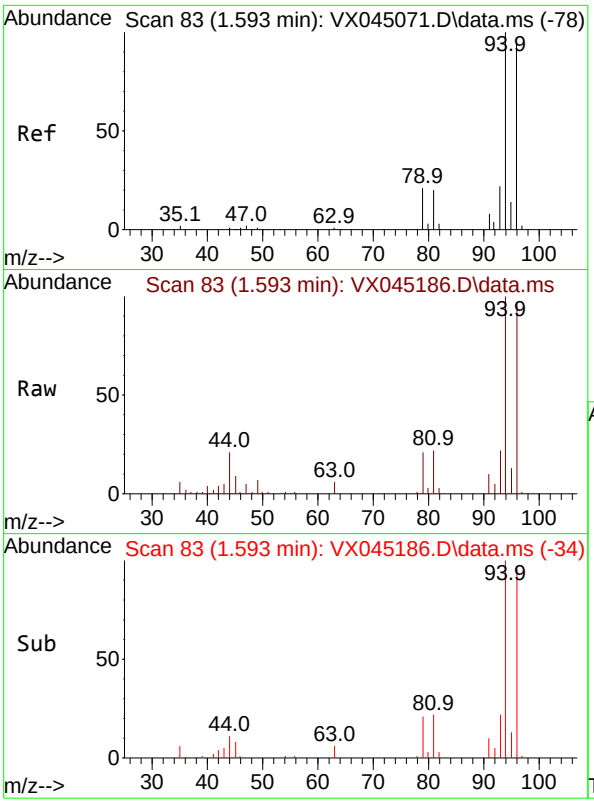


#4
Vinyl Chloride
Concen: 17.050 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 62 Resp: 27203

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.3	36.5





#5
Bromomethane
Concen: 17.948 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

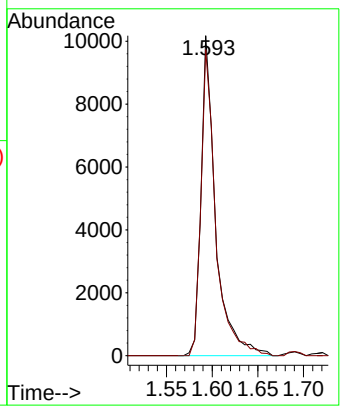
Tgt Ion: 94 Resp: 1125

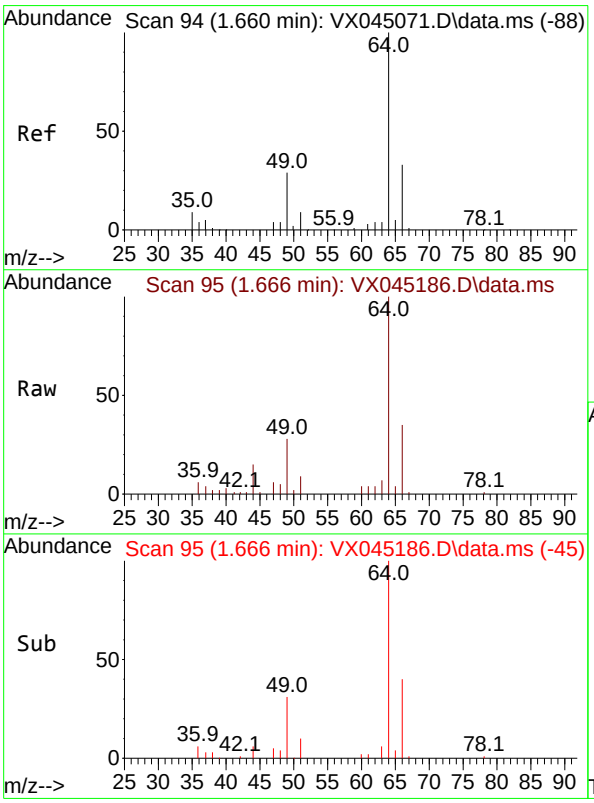
Ion	Ratio	Lower	Upper
94	100		
96	95.7	75.0	112.4

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

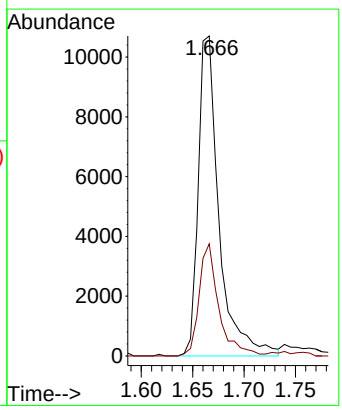


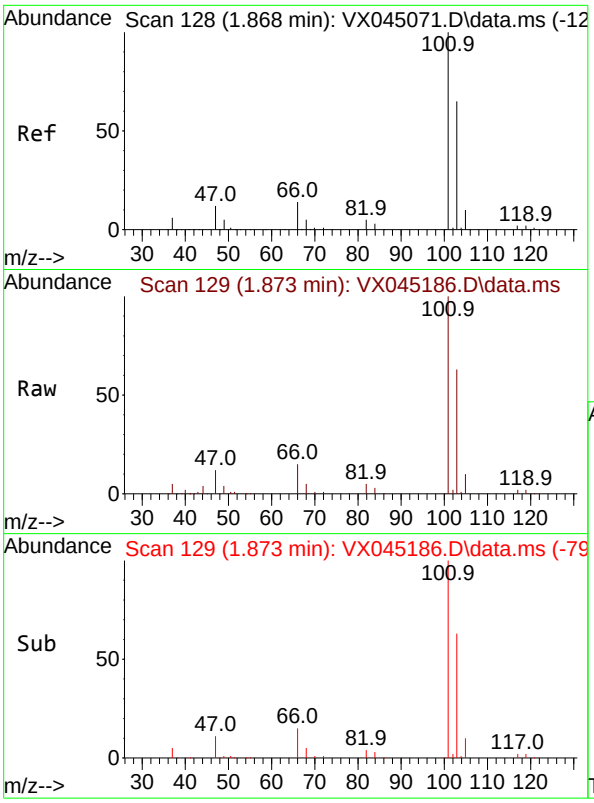


#6
Chloroethane
Concen: 20.509 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 64 Resp: 15093

Ion	Ratio	Lower	Upper
64	100		
66	35.1	26.7	40.1

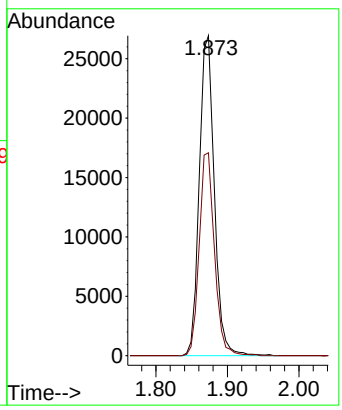




#7
Trichlorofluoromethane
Concen: 18.637 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:101 Resp: 3936

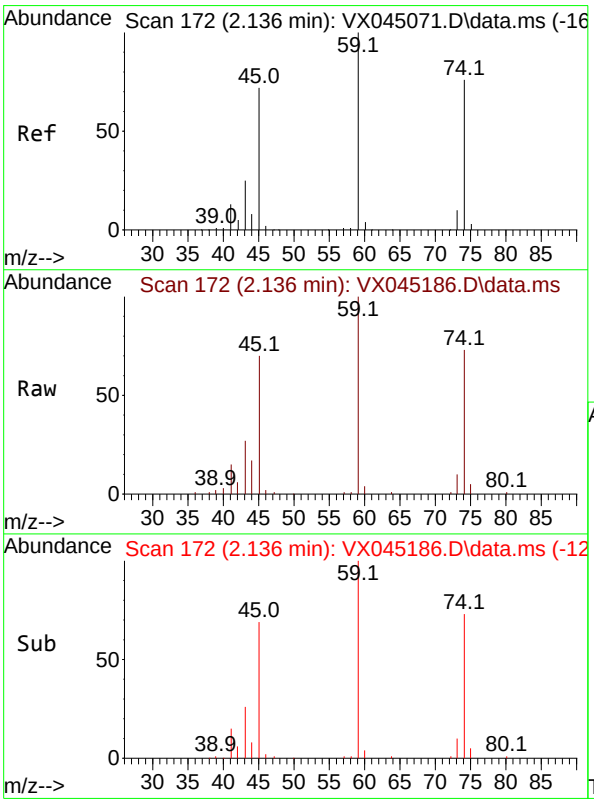
Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

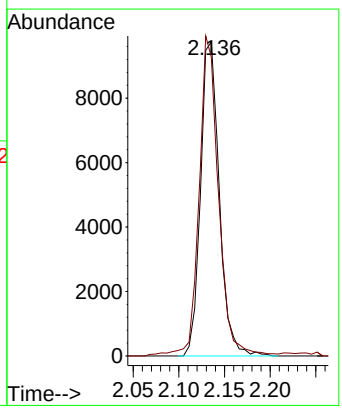
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

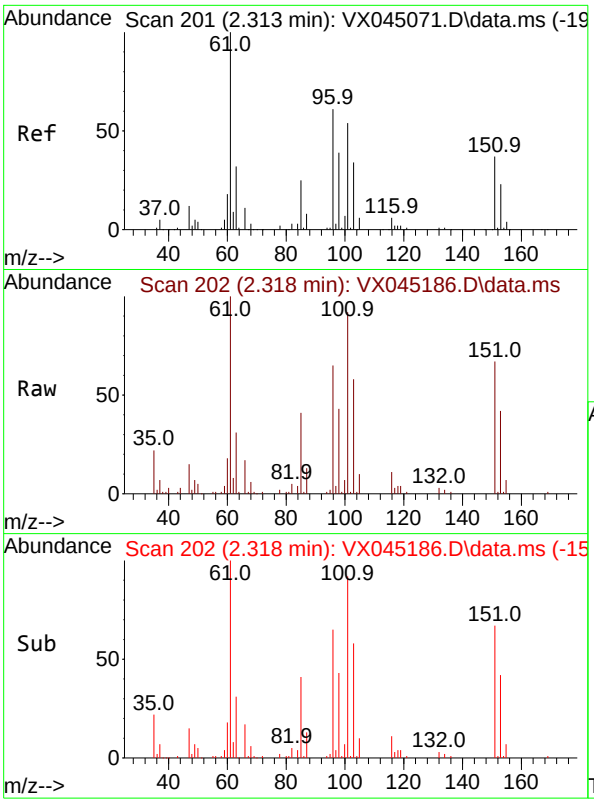


#8
Diethyl Ether
Concen: 16.866 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 74 Resp: 13933

Ion	Ratio	Lower	Upper
74	100		
45	105.7	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.351 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

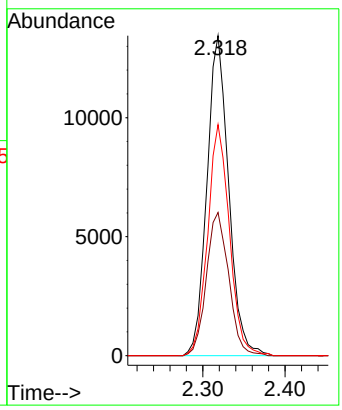
Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

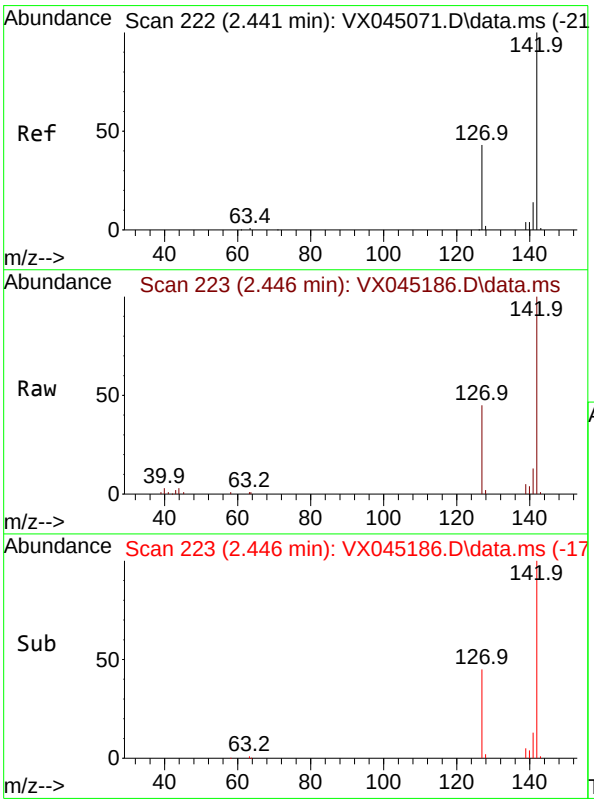
Tgt Ion:101 Resp: 2469

Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	72.4	56.4	84.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

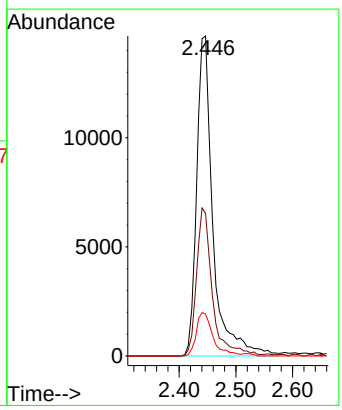


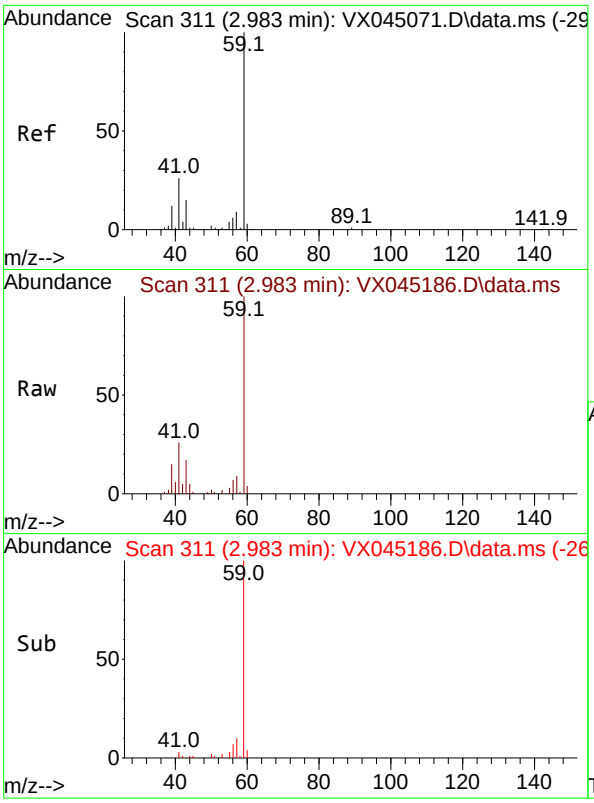


#10
Methyl Iodide
Concen: 19.288 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:142 Resp: 29249

Ion	Ratio	Lower	Upper
142	100		
127	44.9	35.4	53.2
141	13.9	11.6	17.4

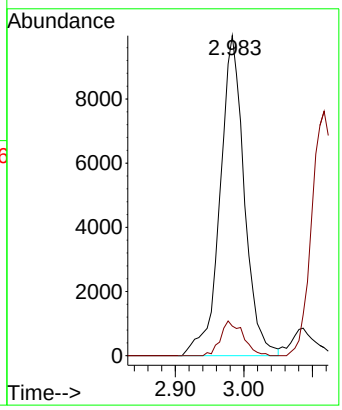




#11
Tert butyl alcohol
Concen: 77.946 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 59 Resp: 2451

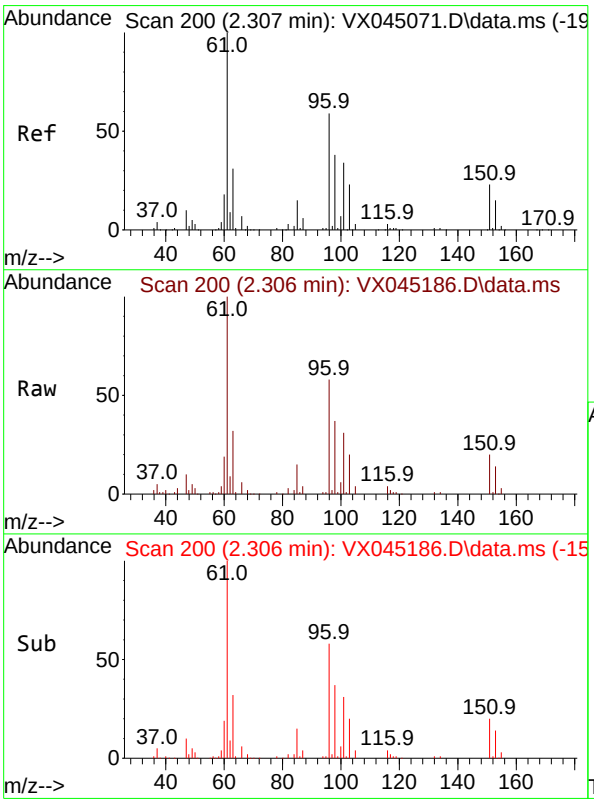
Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

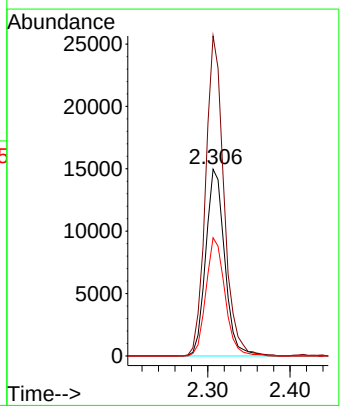
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

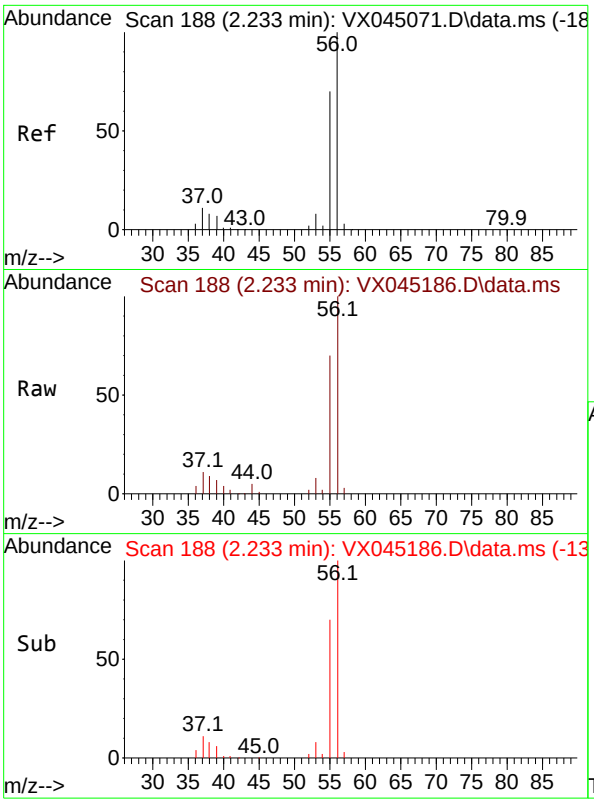


#12
1,1-Dichloroethene
Concen: 18.665 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 96 Resp: 23946

Ion	Ratio	Lower	Upper
96	100		
61	171.3	134.6	202.0
98	63.3	51.0	76.6

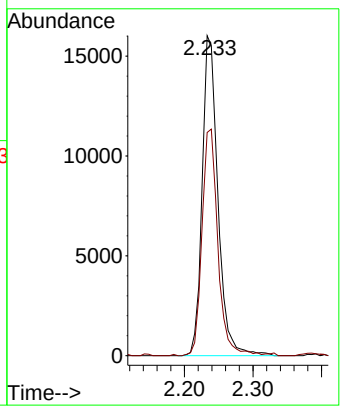




#13
Acrolein
Concen: 70.542 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 56 Resp: 2565

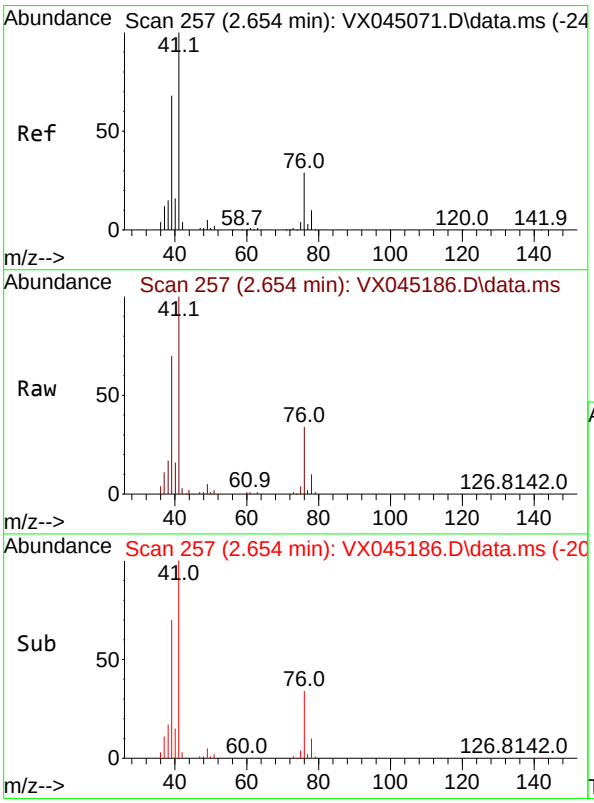
Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

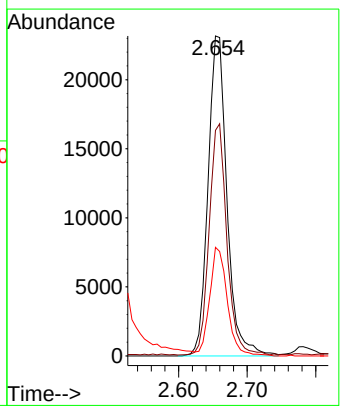
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

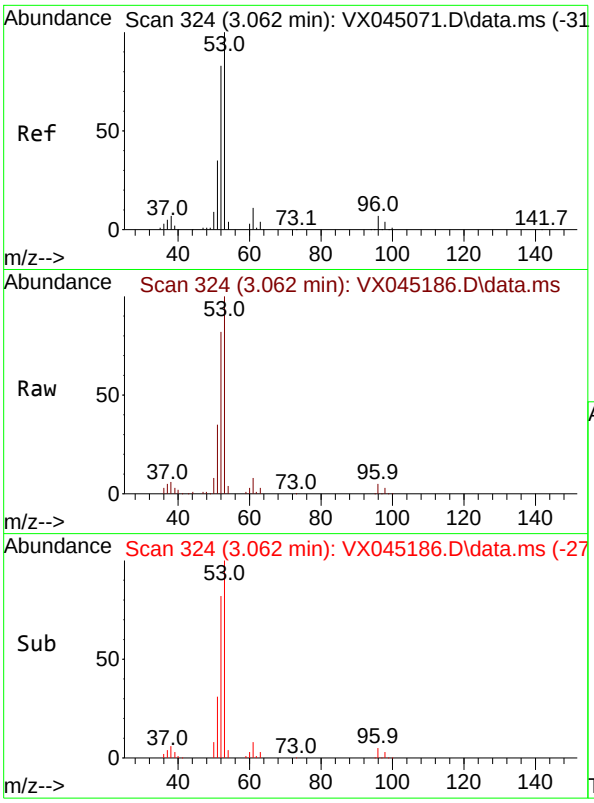


#14
Allyl chloride
Concen: 19.535 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 41 Resp: 44610

Ion	Ratio	Lower	Upper
41	100		
39	67.2	53.8	80.8
76	31.7	25.2	37.8

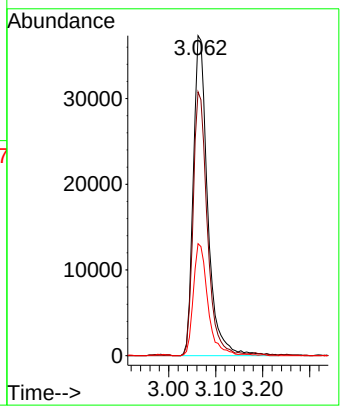




#15
Acrylonitrile
Concen: 94.962 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 53 Resp: 8005

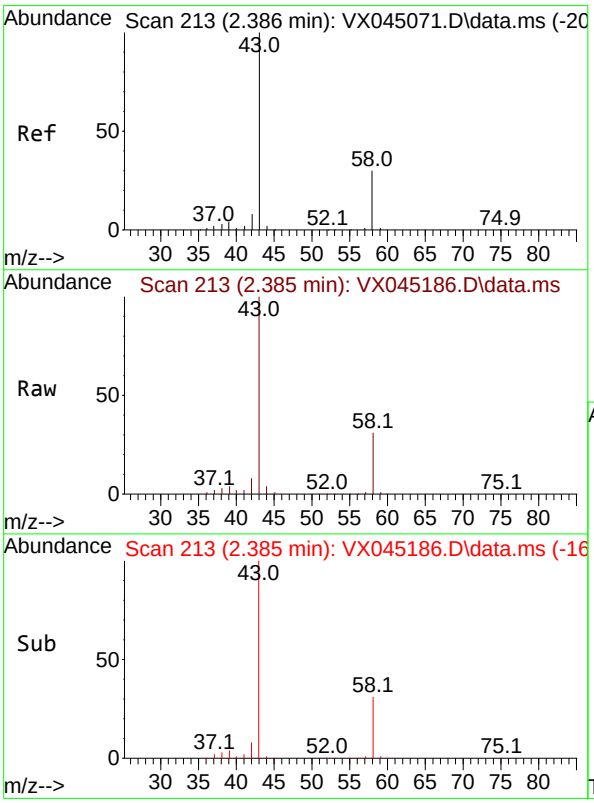
Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.2	99.2
51	35.2	29.0	43.4



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

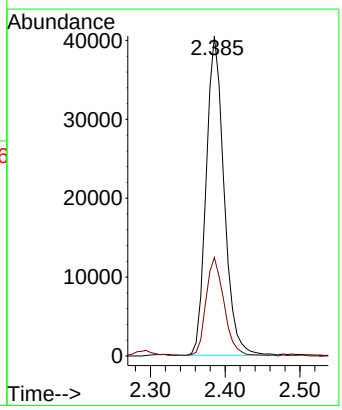
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

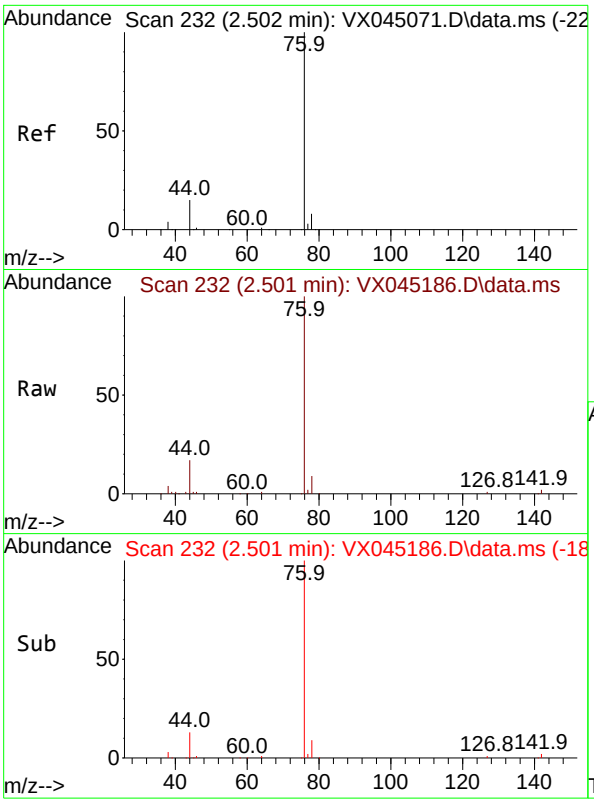


#16
Acetone
Concen: 87.425 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 43 Resp: 67362

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.2	36.4





#17
Carbon Disulfide
Concen: 17.196 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

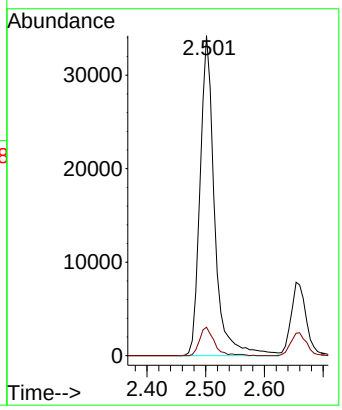
Tgt Ion: 76 Resp: 5875

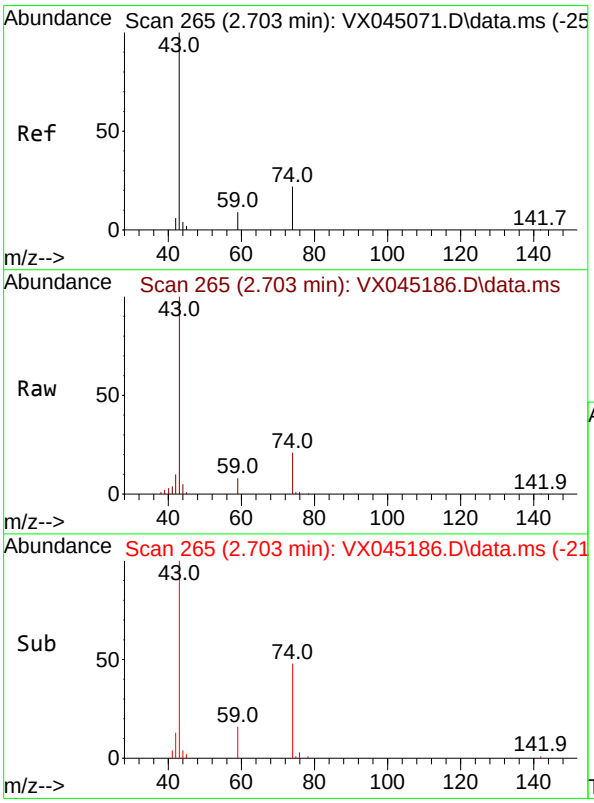
Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

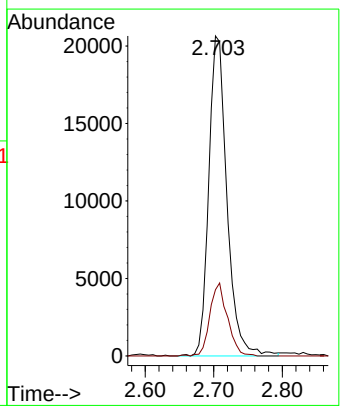


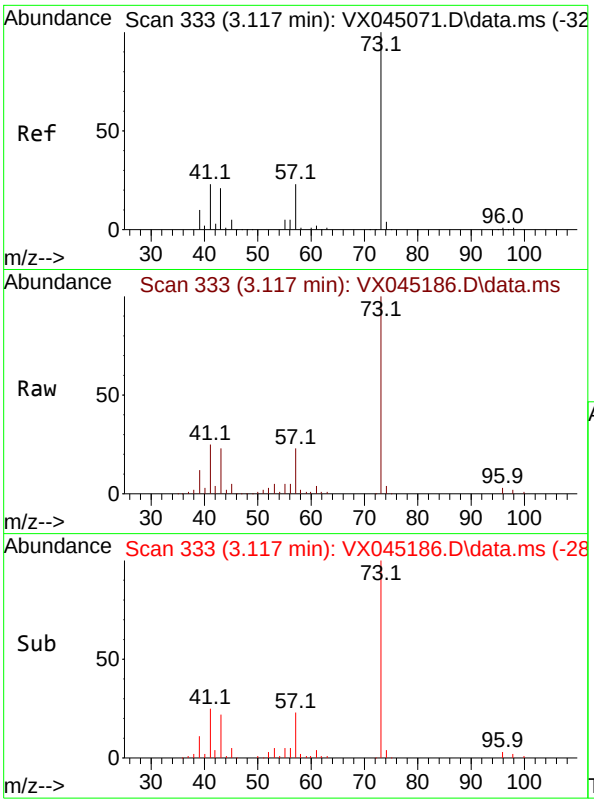


#18
Methyl Acetate
Concen: 20.528 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 43 Resp: 38051

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2

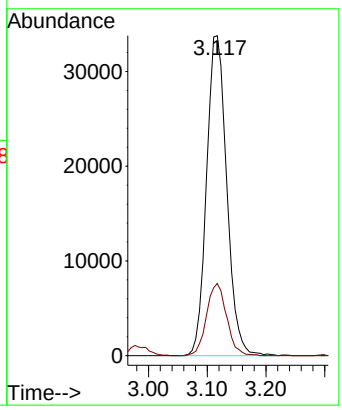




#19
Methyl tert-butyl Ether
Concen: 18.746 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 73 Resp: 8068

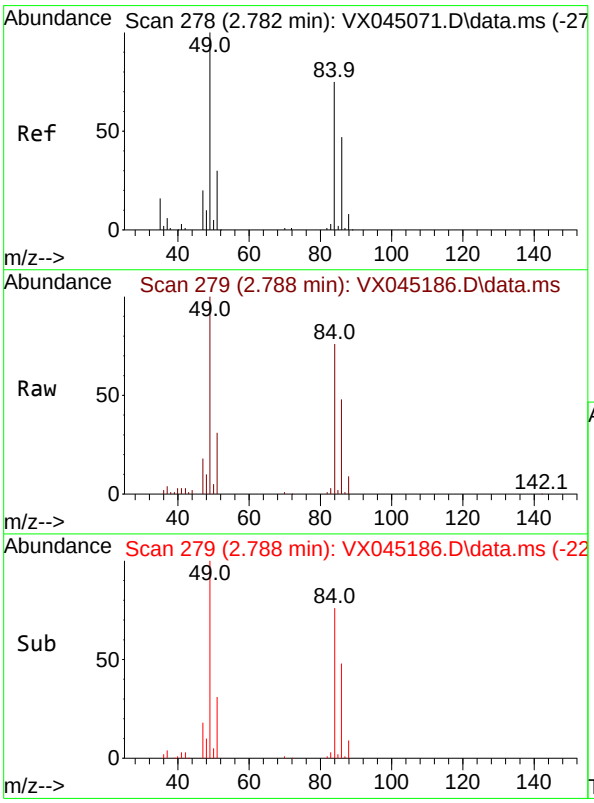
Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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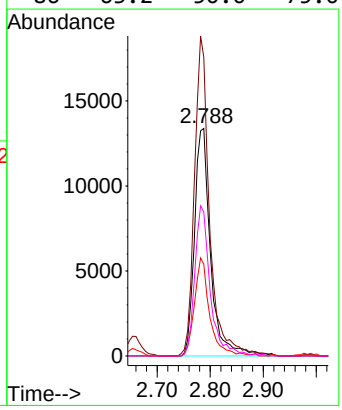
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

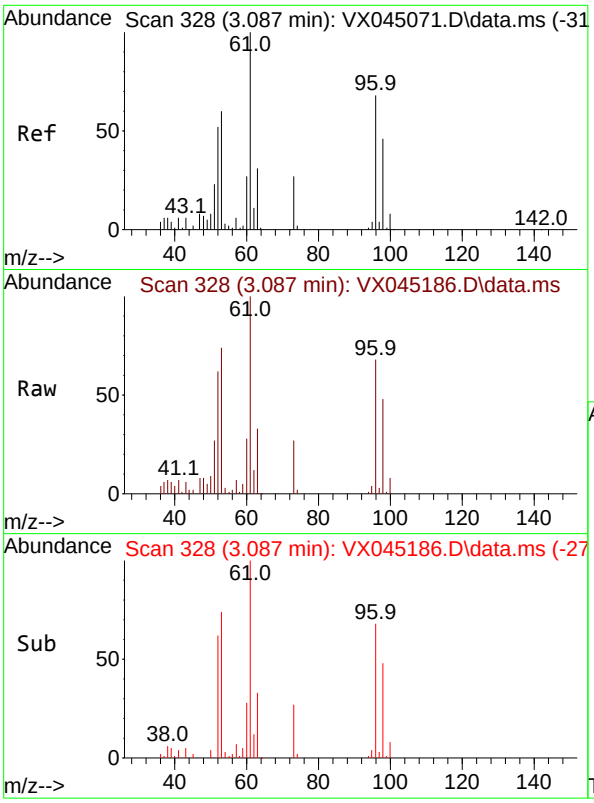


#20
Methylene Chloride
Concen: 18.491 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 84 Resp: 28222

Ion	Ratio	Lower	Upper
84	100		
49	131.3	106.5	159.7
51	40.3	32.1	48.1
86	63.2	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 18.375 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

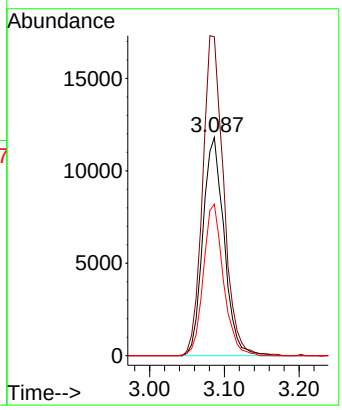
Tgt Ion: 96 Resp: 2328

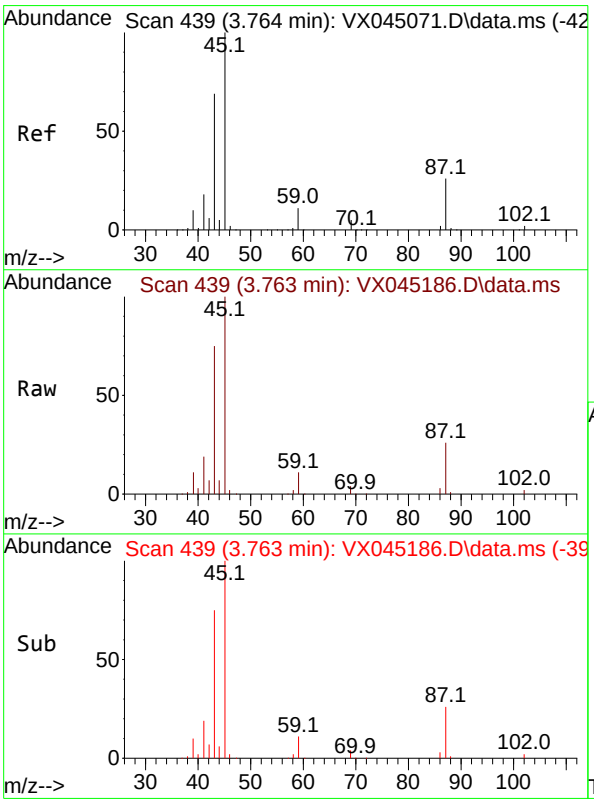
Ion	Ratio	Lower	Upper
96	100		
61	146.1	117.0	175.4
98	69.4	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

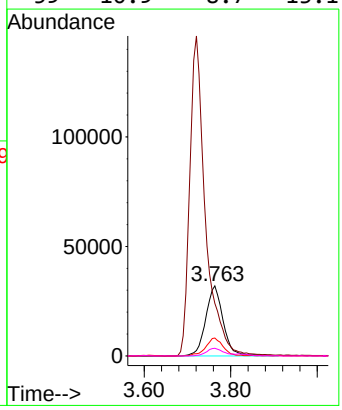


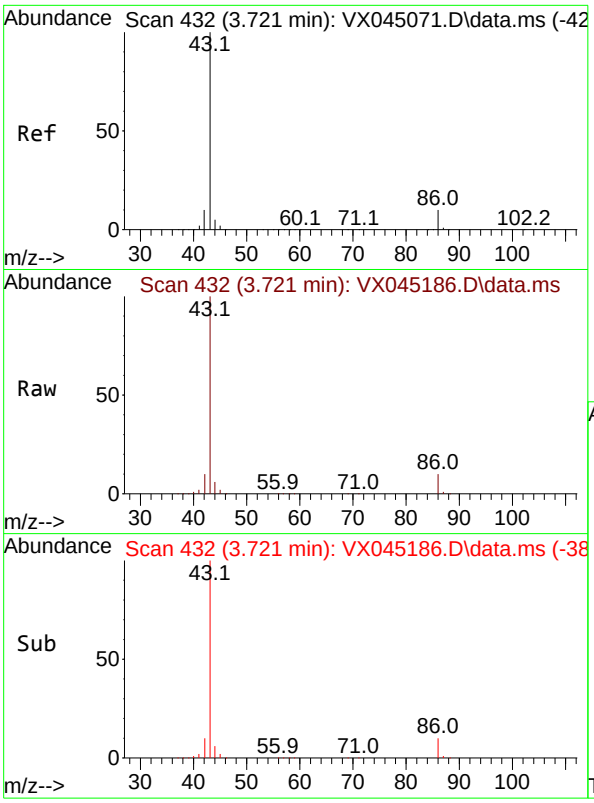


#22
Diisopropyl ether
Concen: 19.275 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 45 Resp: 89520

Ion	Ratio	Lower	Upper
45	100		
43	74.5	54.9	82.3
87	25.6	21.0	31.4
59	10.9	8.7	13.1





#23
Vinyl Acetate
Concen: 95.441 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

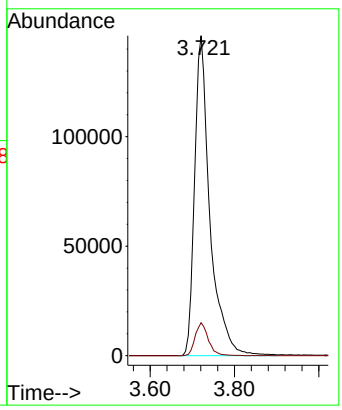
Tgt Ion: 43 Resp: 36990

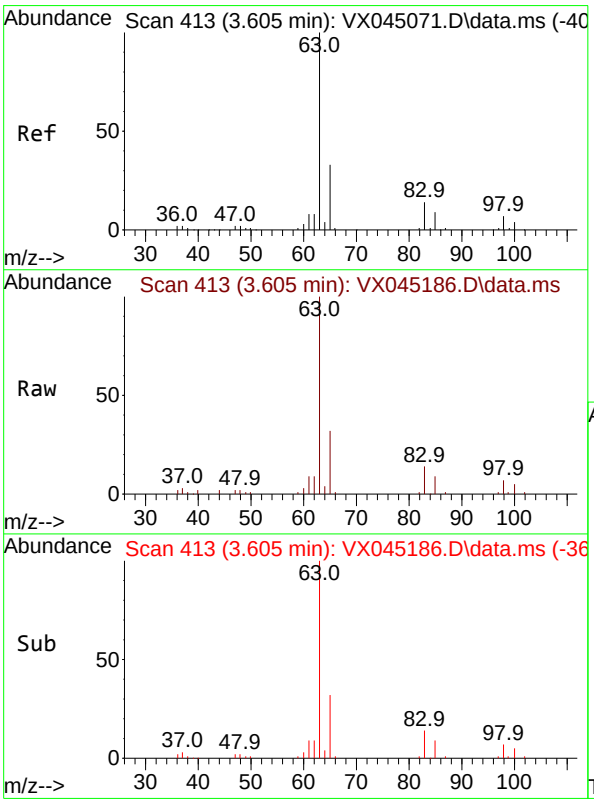
Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

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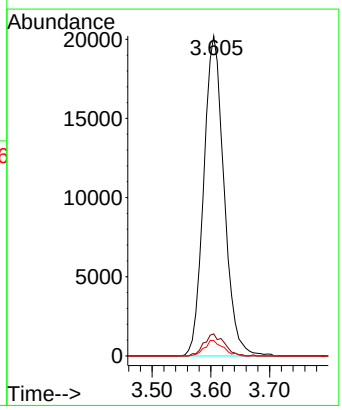


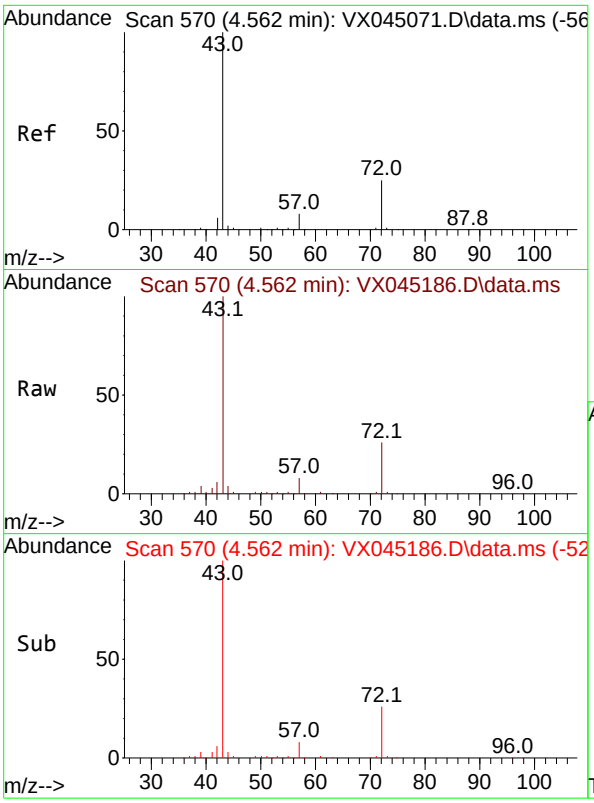


#24
1,1-Dichloroethane
Concen: 18.651 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 63 Resp: 48546

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.2
100	4.9	2.1	6.5





#25
2-Butanone
Concen: 94.181 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

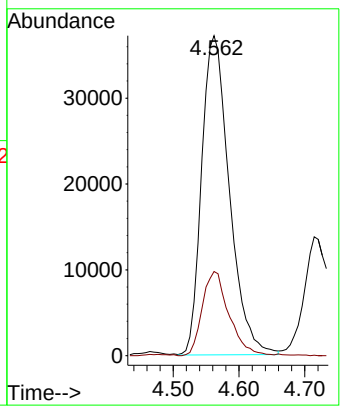
Tgt Ion: 43 Resp: 10923

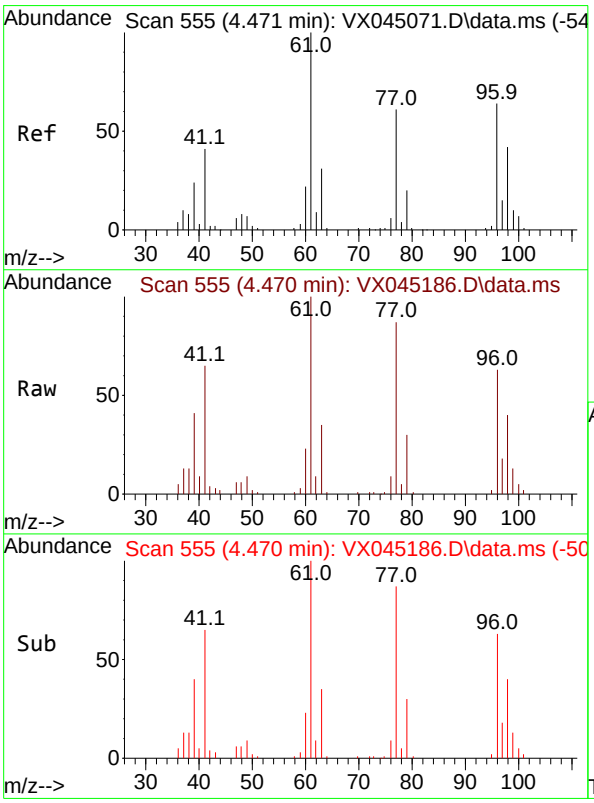
Ion	Ratio	Lower	Upper
43	100		
72	26.4	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

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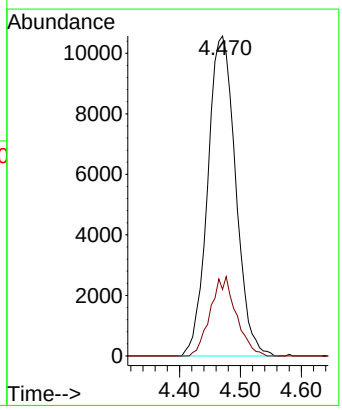


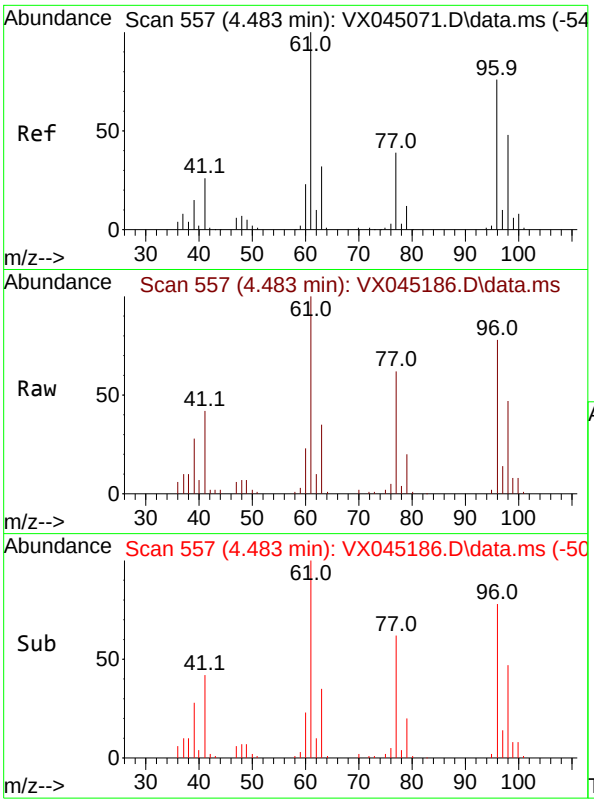


#26
2,2-Dichloropropane
Concen: 27.560 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 77 Resp: 33647

Ion	Ratio	Lower	Upper
77	100		
97	23.0	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 19.098 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

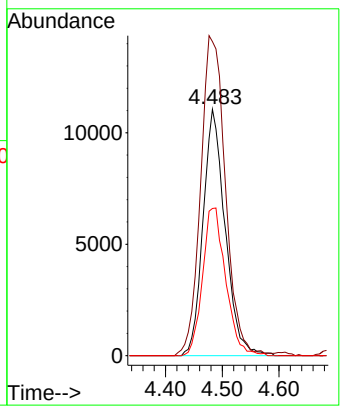
Tgt Ion: 96 Resp: 2988

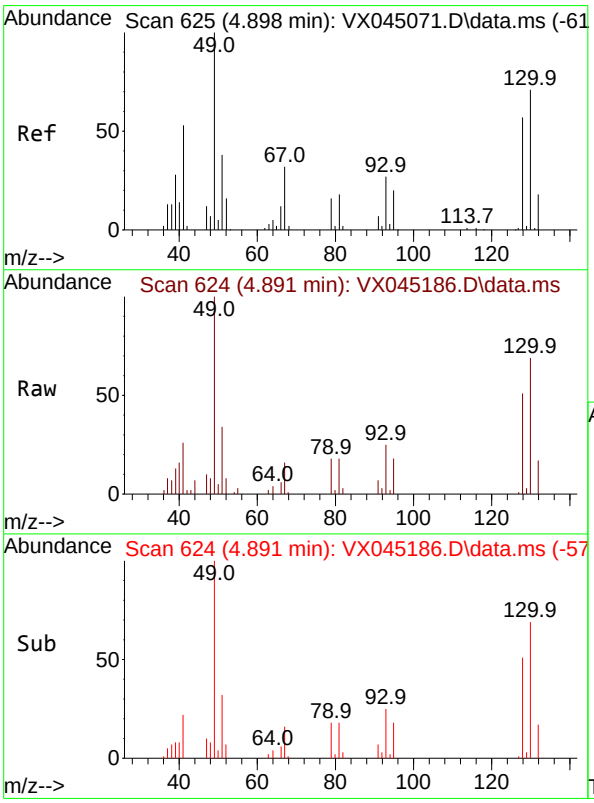
Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	283.2
98	62.7	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

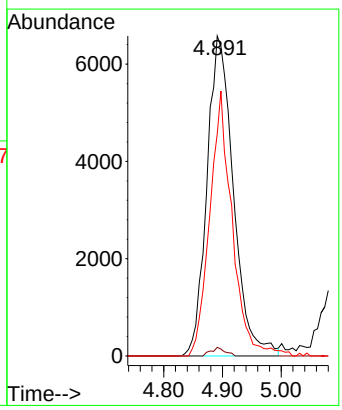


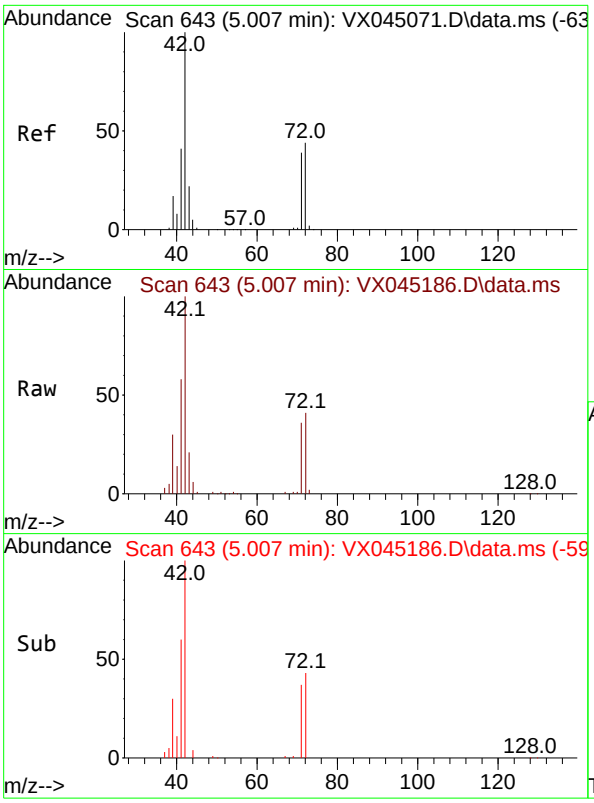


#28
Bromochloromethane
Concen: 16.596 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 49 Resp: 20590

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.4
130	70.2	56.1	84.1





#29
Tetrahydrofuran
Concen: 90.555 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

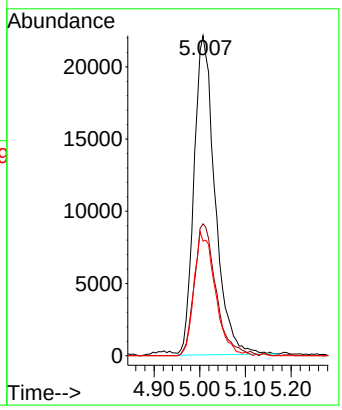
Tgt Ion: 42 Resp: 7053

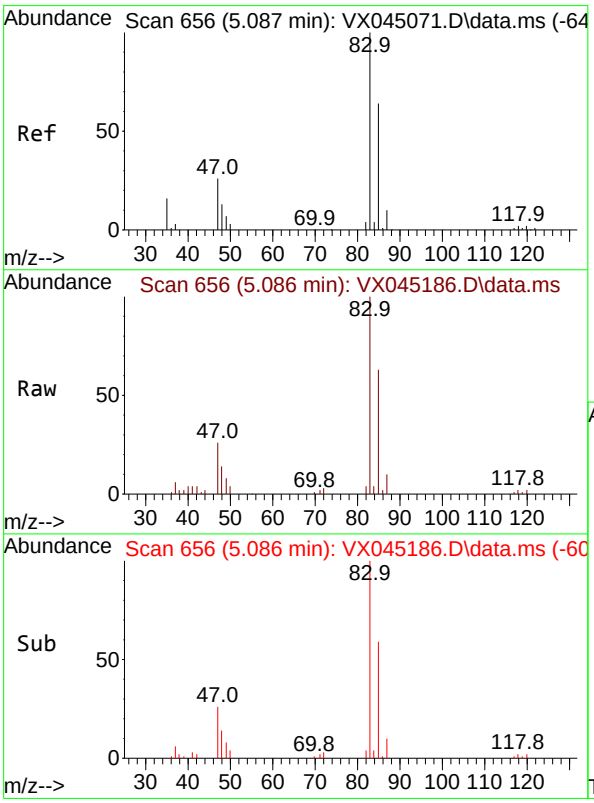
Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.0	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
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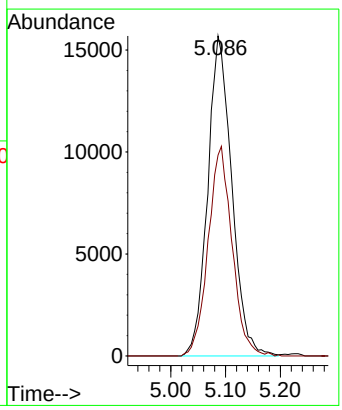


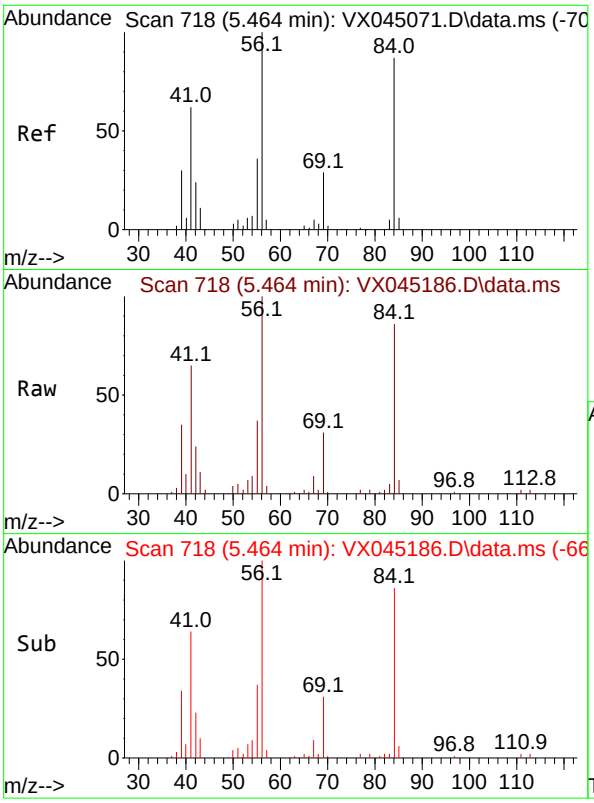


#30
Chloroform
Concen: 18.495 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 83 Resp: 47832

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.2





#31
Cyclohexane
Concen: 18.878 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

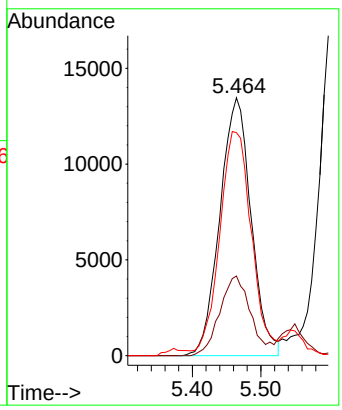
Tgt Ion: 56 Resp: 4265

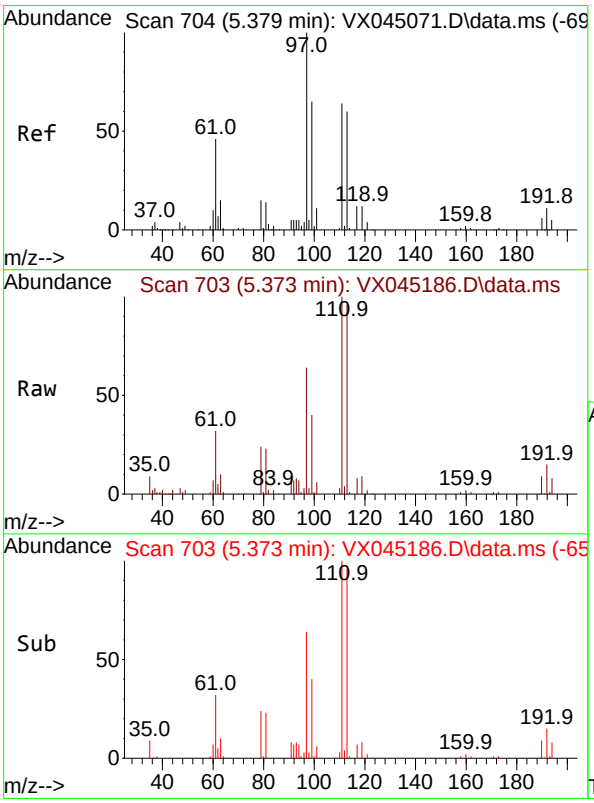
Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.4	35.2
84	84.4	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

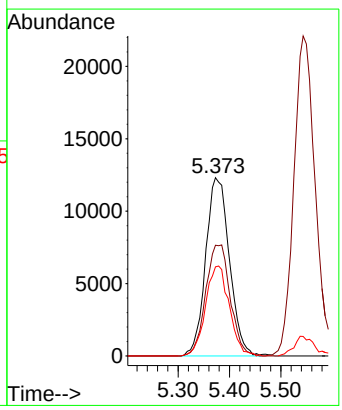


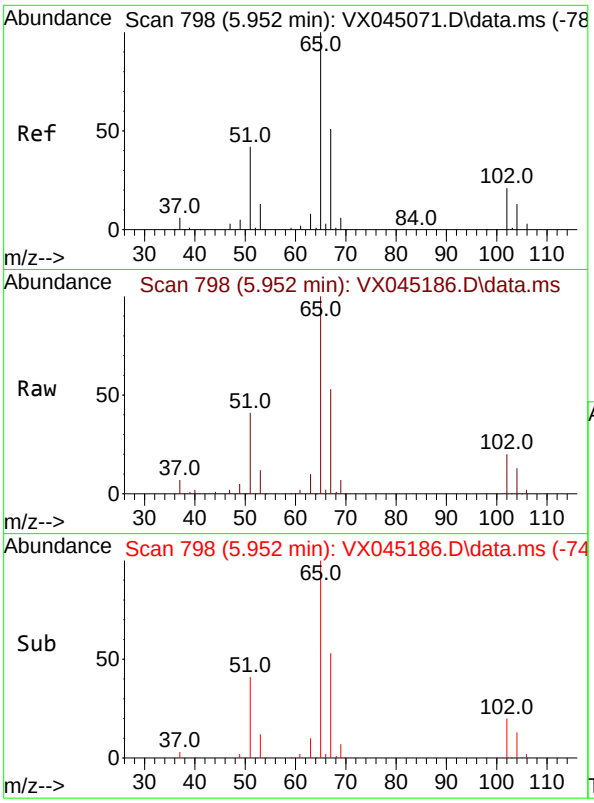


#32
1,1,1-Trichloroethane
Concen: 18.966 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 97 Resp: 39615

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	50.4	38.4	57.6

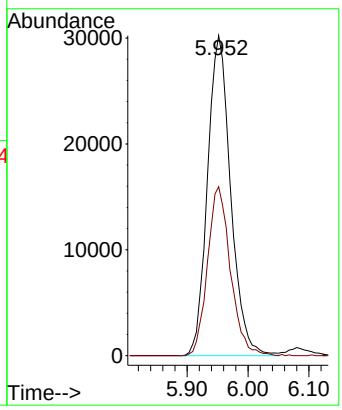




#33
1,2-Dichloroethane-d4
Concen: 48.135 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 65 Resp: 7993

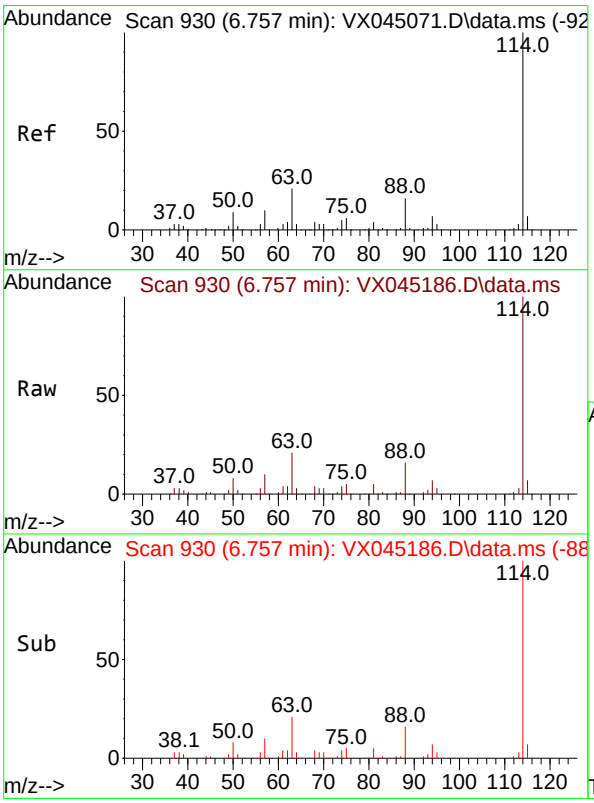
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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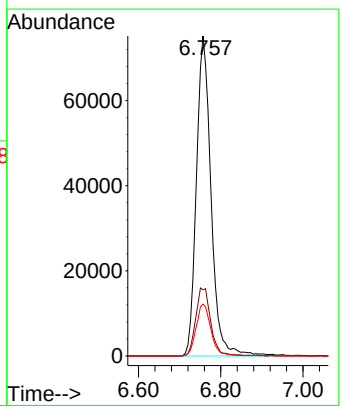
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

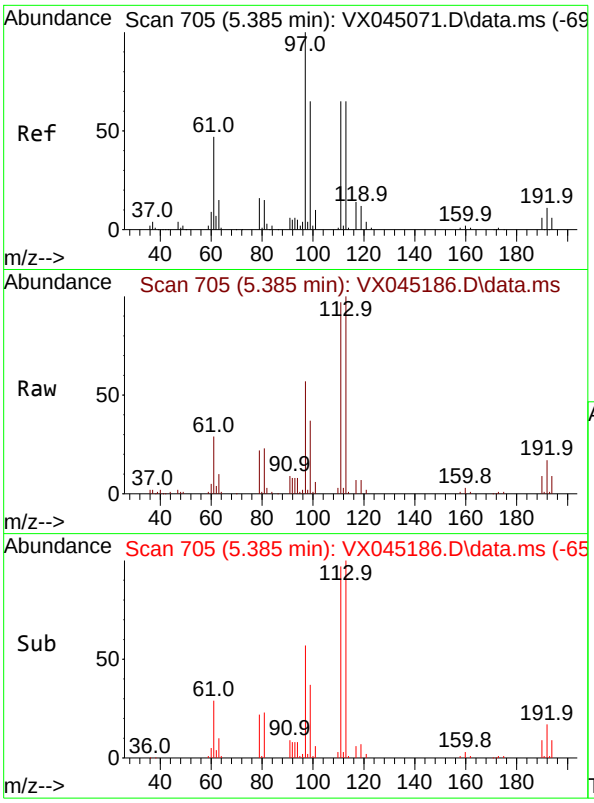


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:114 Resp: 186124

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.8
88	16.2	0.0	32.8

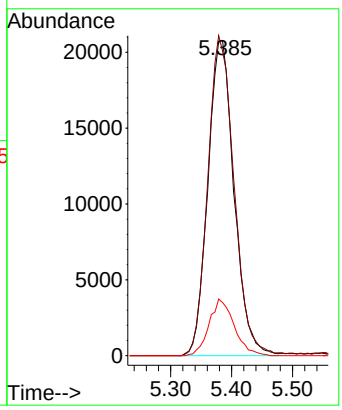




#35
Dibromofluoromethane
Concen: 49.834 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:113 Resp: 6202

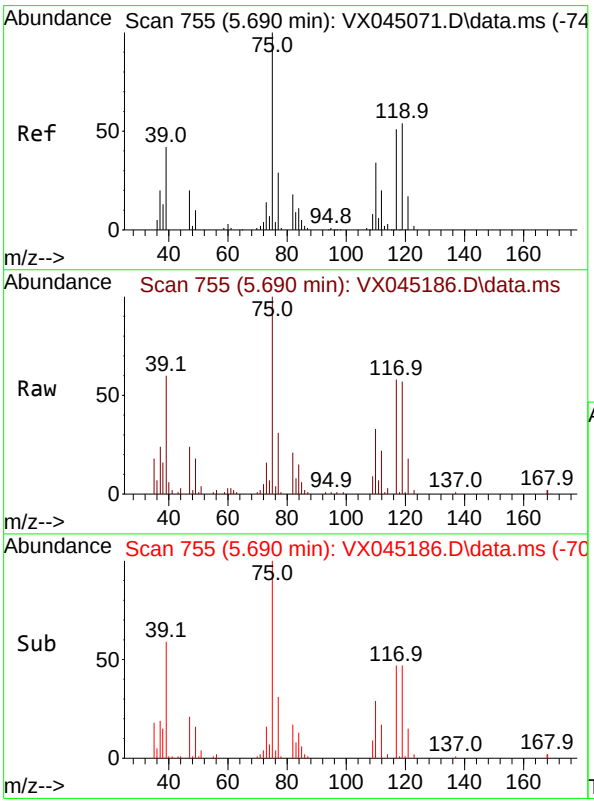
Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	17.3	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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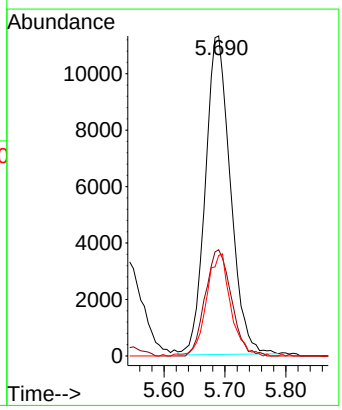
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

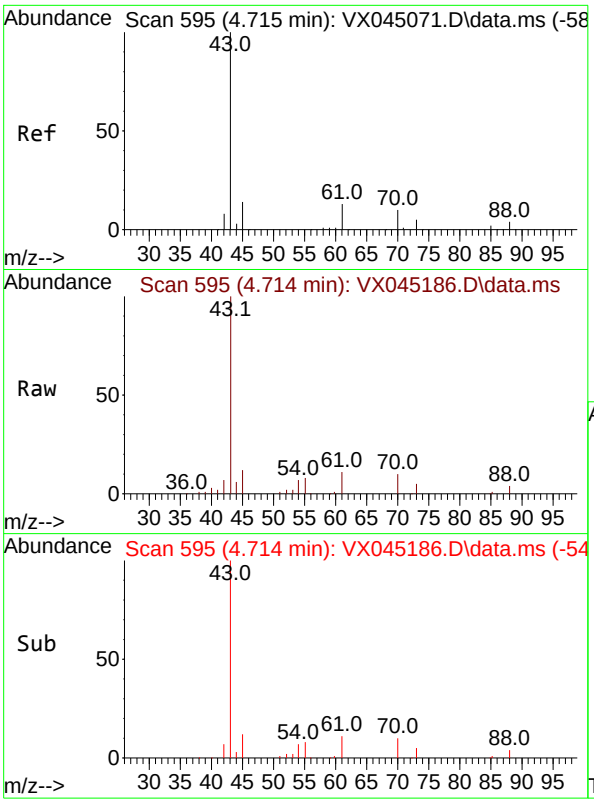


#36
1,1-Dichloropropene
Concen: 18.905 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 75 Resp: 32267

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.9	50.6
77	31.0	24.5	36.7





#37
Ethyl Acetate
Concen: 17.795 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

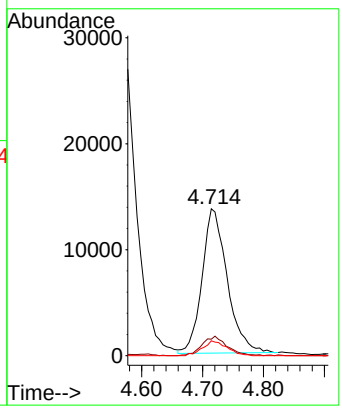
Tgt Ion: 43 Resp: 3913

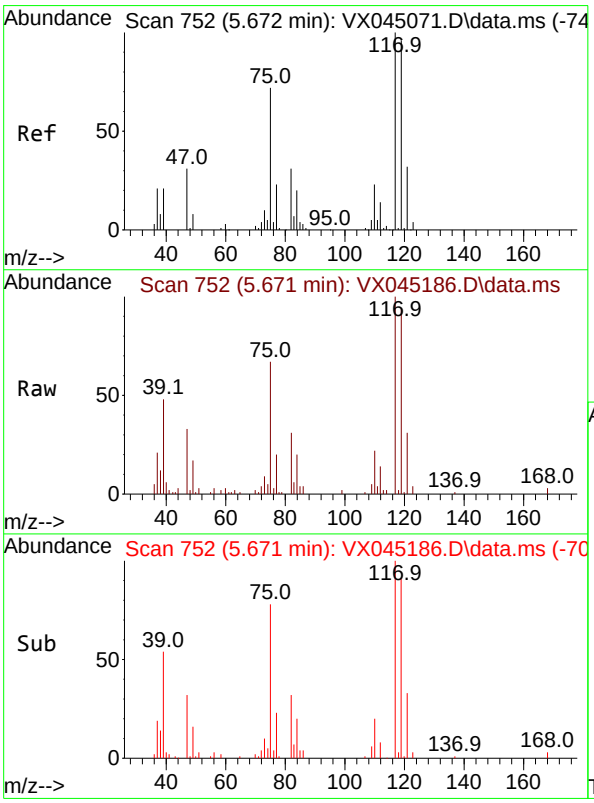
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	9.8	7.7	11.5

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

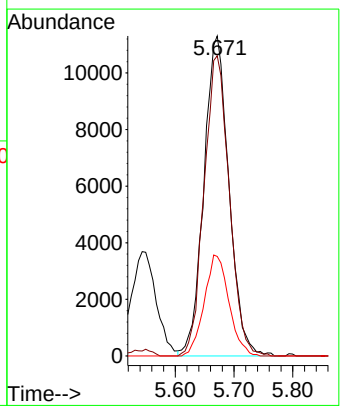


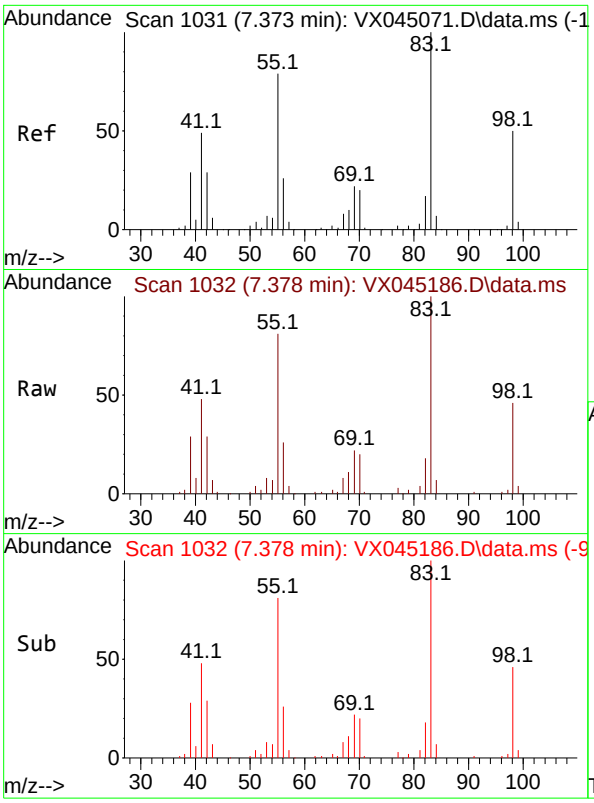


#38
Carbon Tetrachloride
Concen: 19.359 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:117 Resp: 33546

Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.7	115.1
121	31.1	25.5	38.3

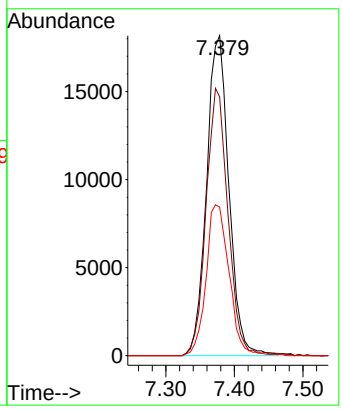




#39
Methylcyclohexane
Concen: 20.187 ug/l
RT: 7.378 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 83 Resp: 4128

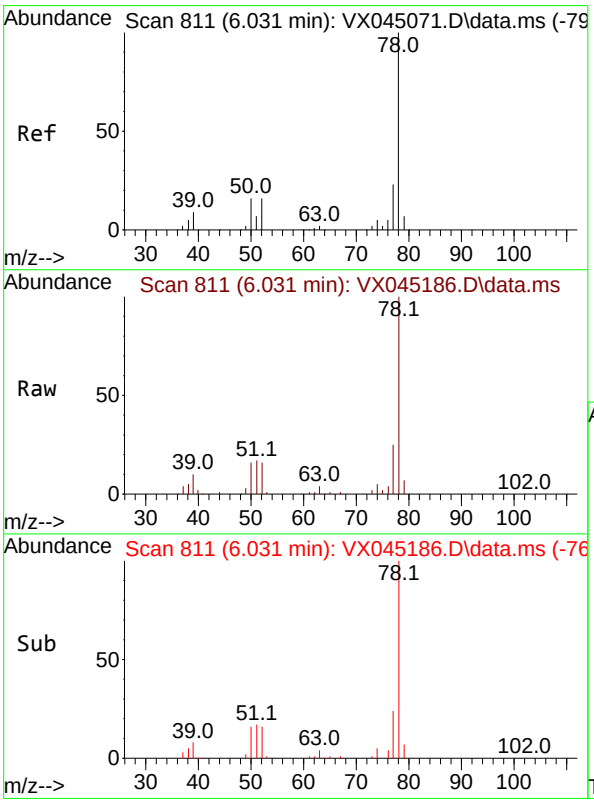
Ion	Ratio	Lower	Upper
83	100		
55	80.9	63.0	94.4
98	46.4	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

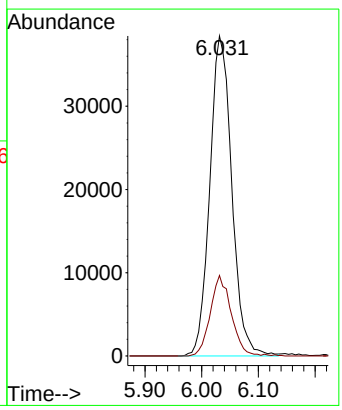
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

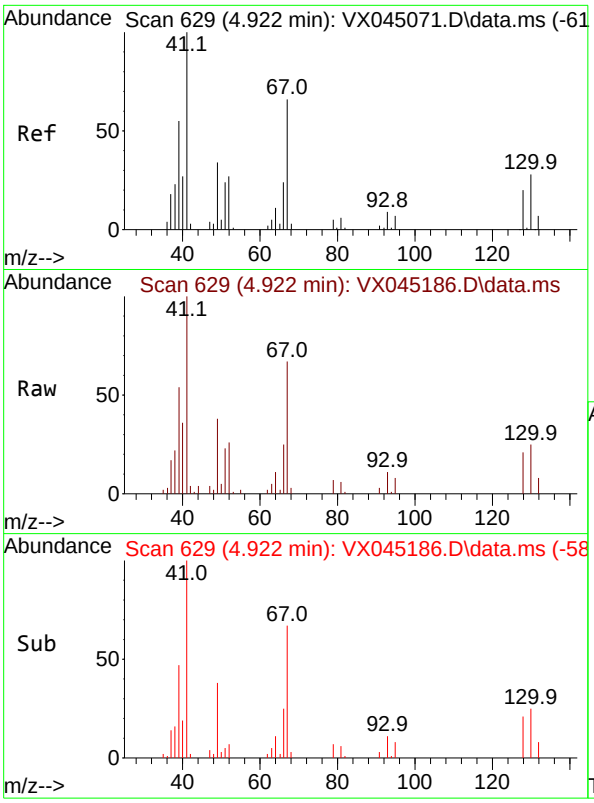


#40
Benzene
Concen: 19.249 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 78 Resp: 103744

Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.8	28.2

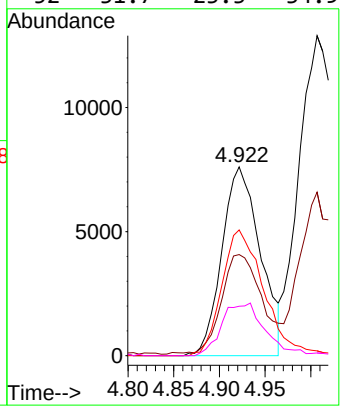




#41
Methacrylonitrile
Concen: 18.755 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 41 Resp: 2230

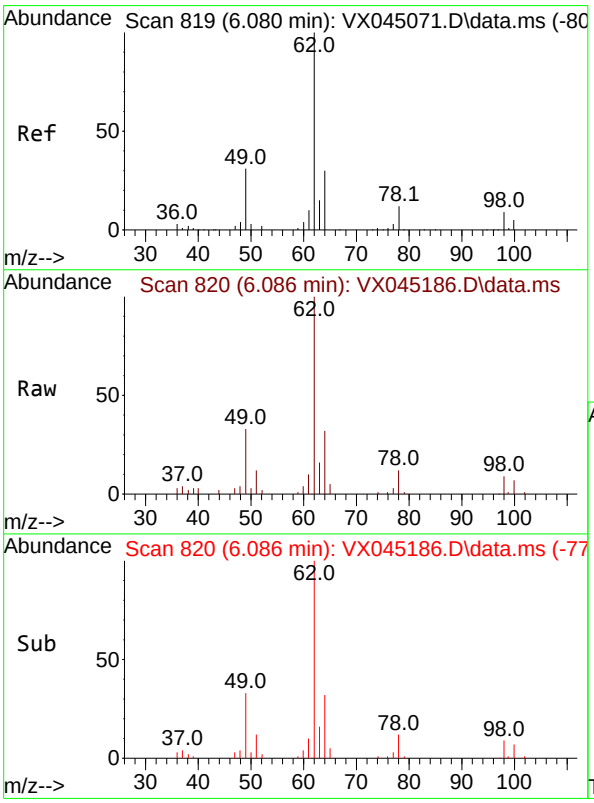
Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.6	67.0
67	73.1	53.9	80.9
52	31.7	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

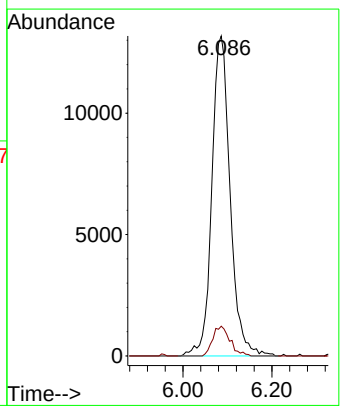
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

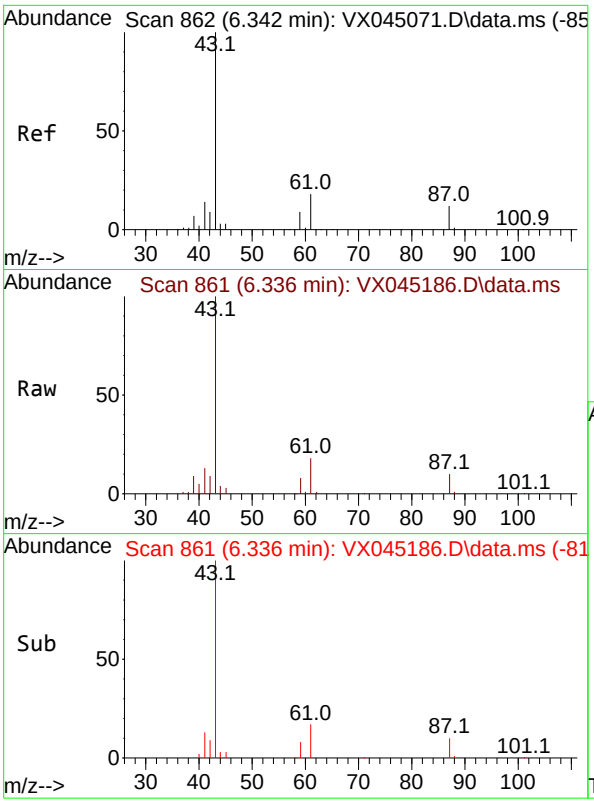


#42
1,2-Dichloroethane
Concen: 19.362 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 62 Resp: 37579

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2

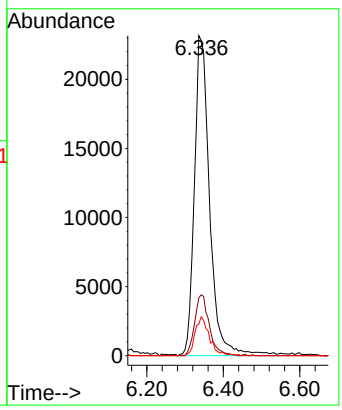




#43
Isopropyl Acetate
Concen: 19.718 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 43 Resp: 6412

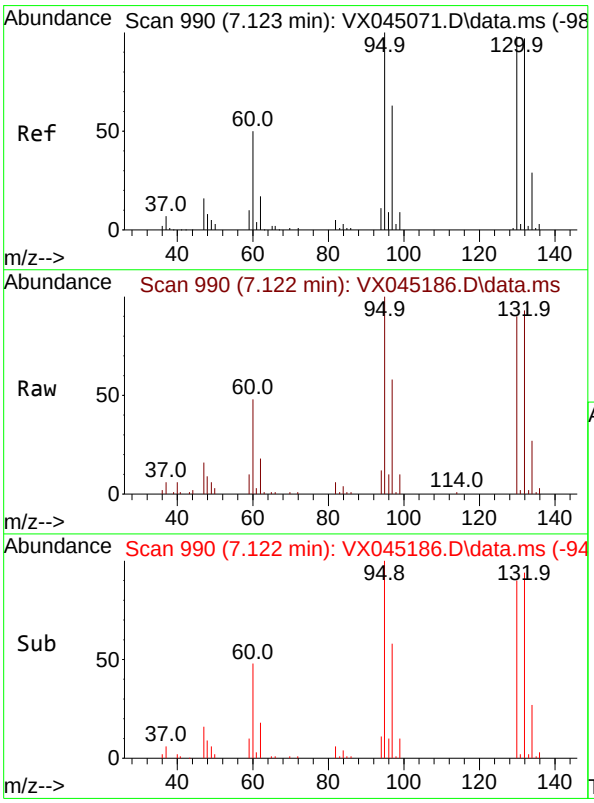
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.9	22.3
87	11.2	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

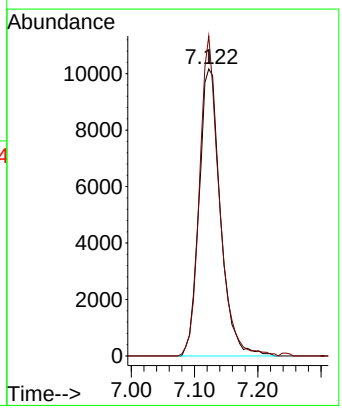
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

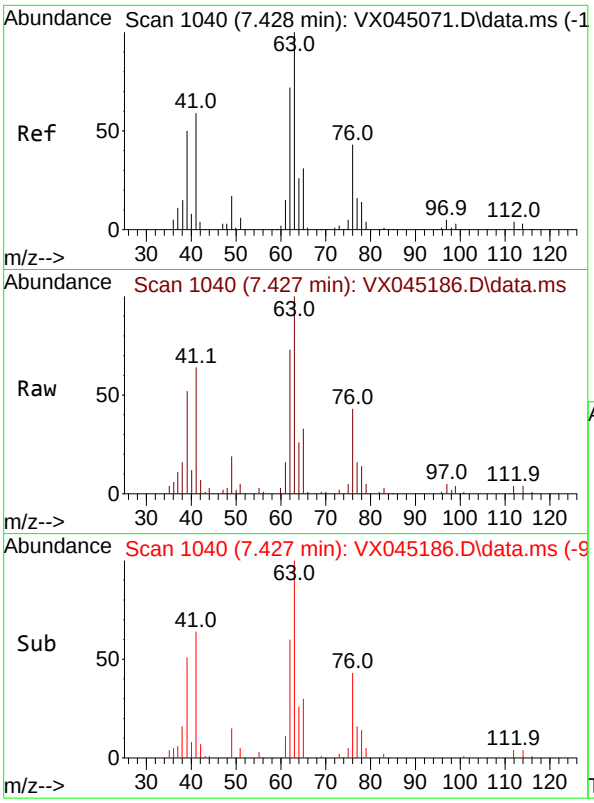


#44
Trichloroethene
Concen: 18.942 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:130 Resp: 23972

Ion	Ratio	Lower	Upper
130	100		
95	111.5	0.0	205.0





#45
1,2-Dichloropropane
Concen: 19.281 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

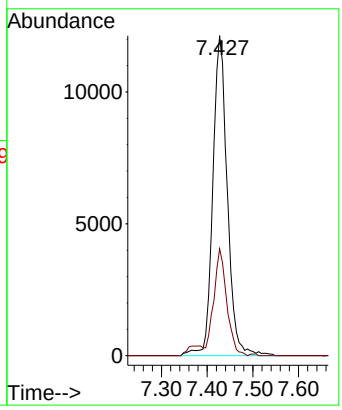
Tgt Ion: 63 Resp: 2671

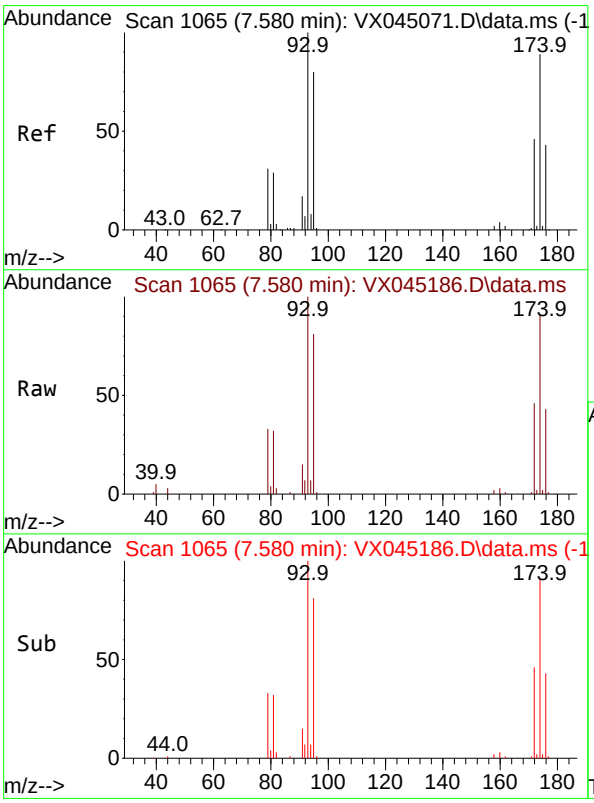
Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

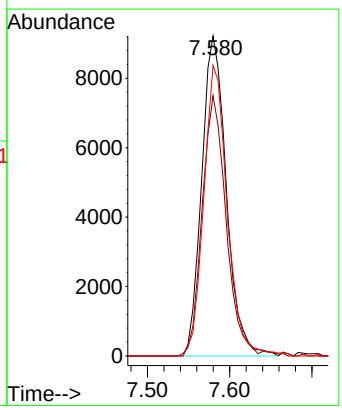


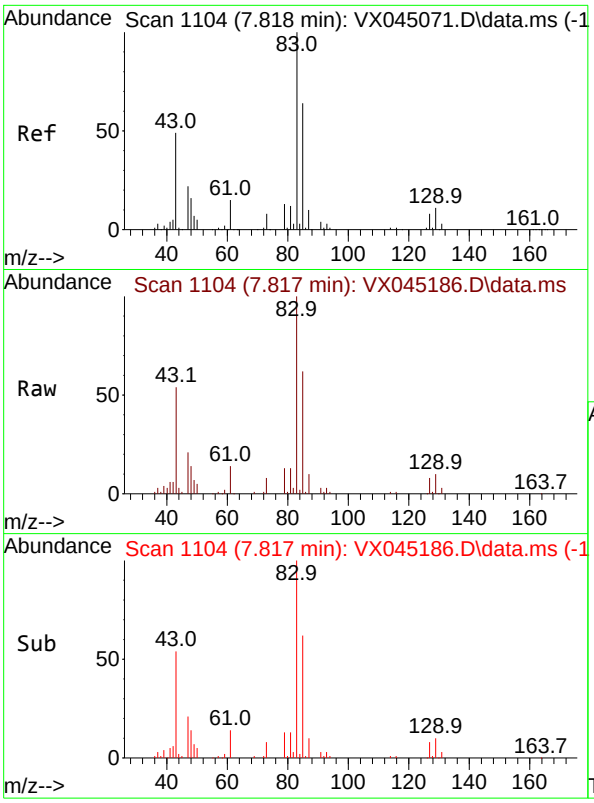


#46
Dibromomethane
Concen: 19.557 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 93 Resp: 19155

Ion	Ratio	Lower	Upper
93	100		
95	79.6	65.8	98.8
174	87.2	72.2	108.2

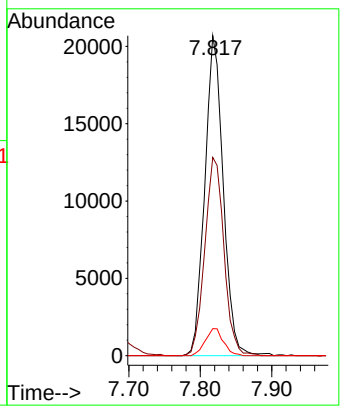




#47
Bromodichloromethane
Concen: 19.311 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 83 Resp: 3710

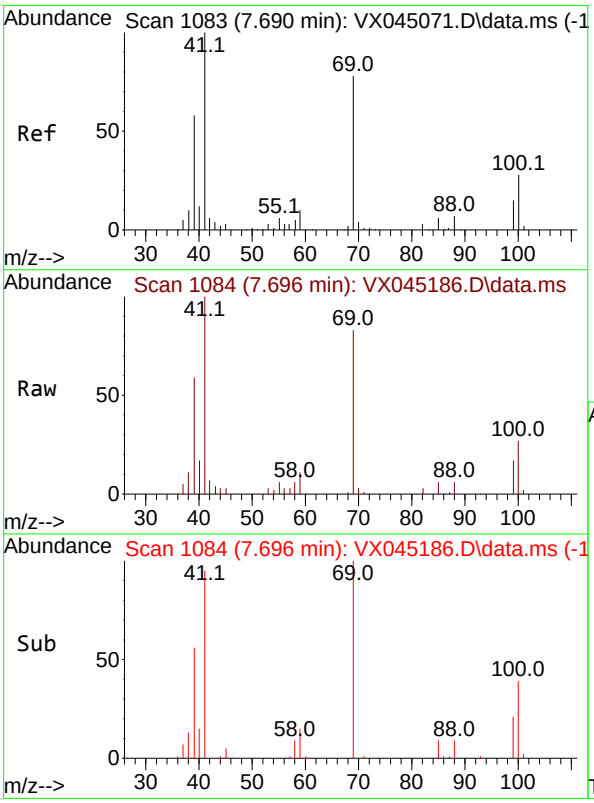
Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.1	76.7
127	8.5	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

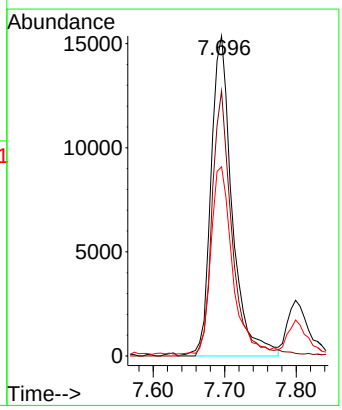
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

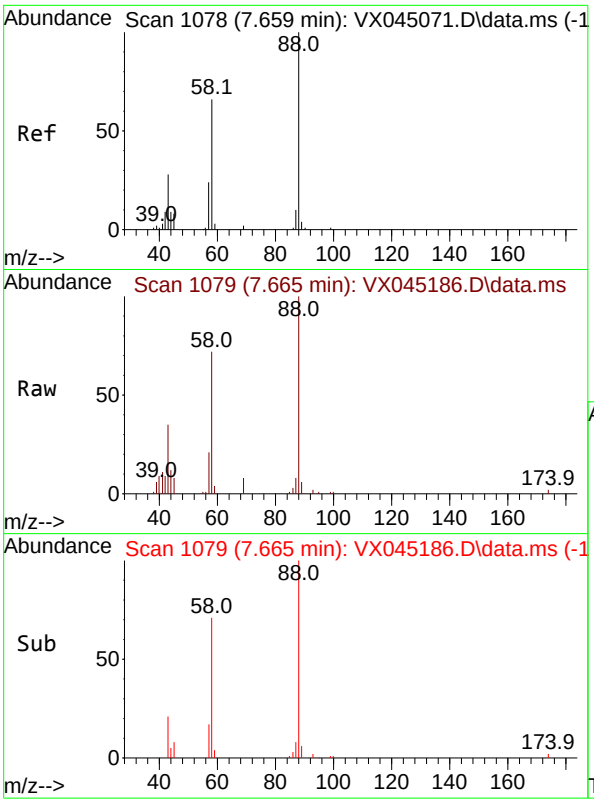


#48
Methyl methacrylate
Concen: 19.329 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 41 Resp: 31537

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	59.3	47.5	71.3

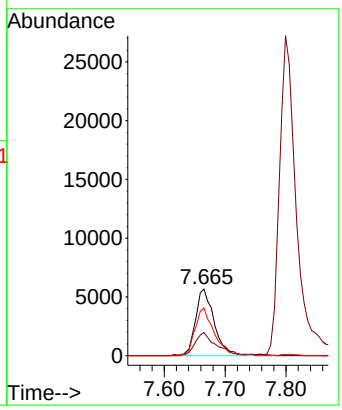




#49
1,4-Dioxane
Concen: 354.221 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 88 Resp: 1219

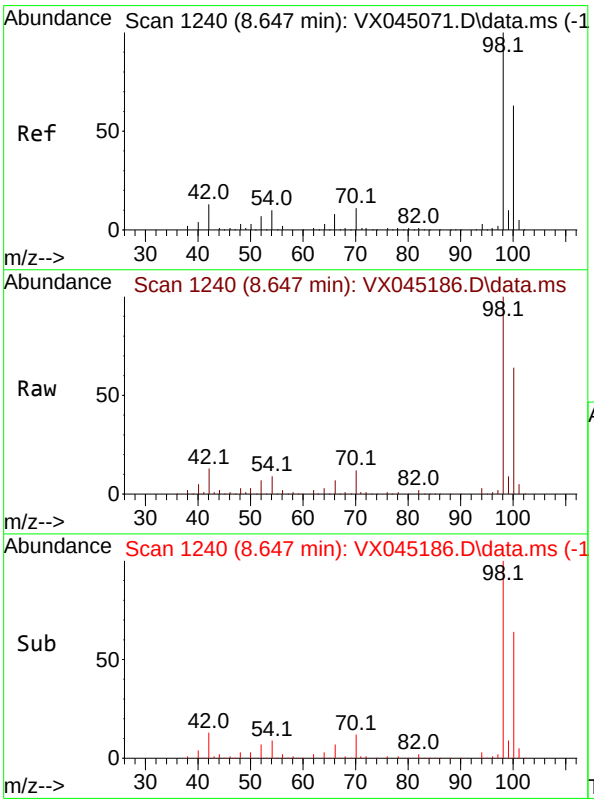
Ion	Ratio	Lower	Upper
88	100		
43	38.8	28.7	43.1
58	71.8	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

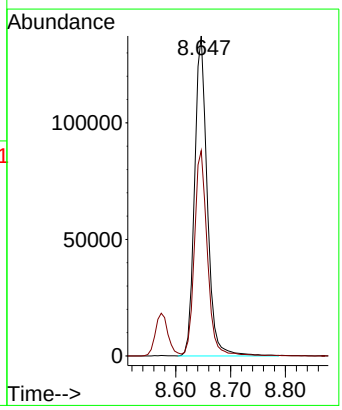
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

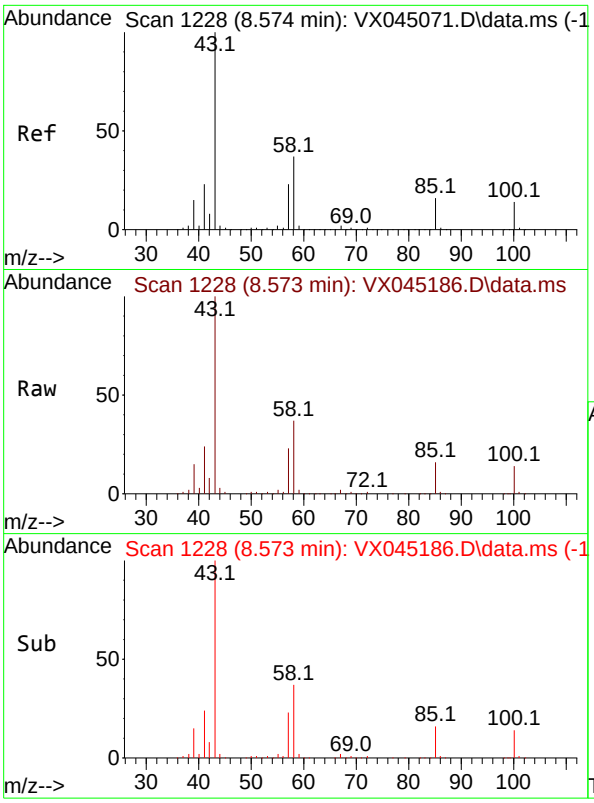


#50
Toluene-d8
Concen: 49.159 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 98 Resp: 221802

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 100.457 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

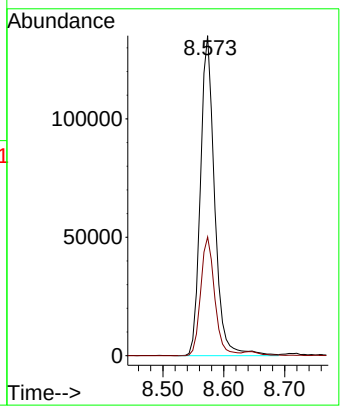
Tgt Ion: 43 Resp: 21936

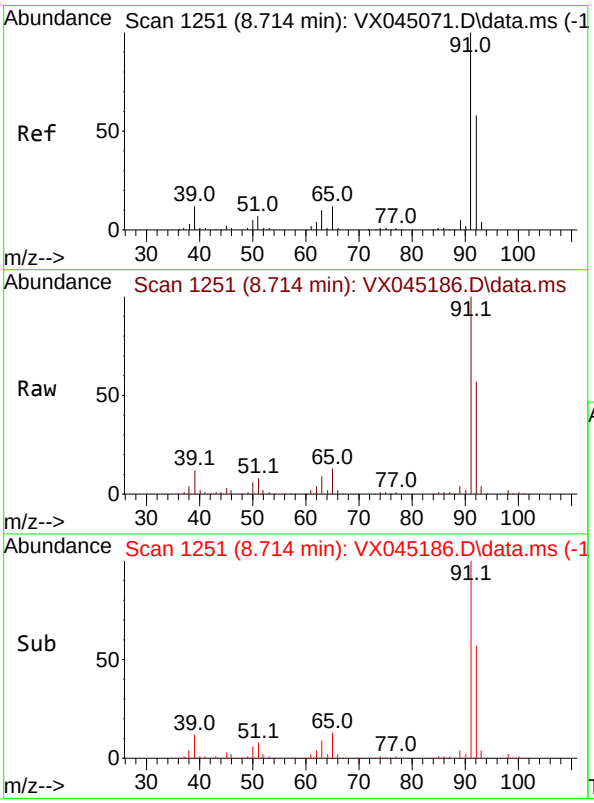
Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

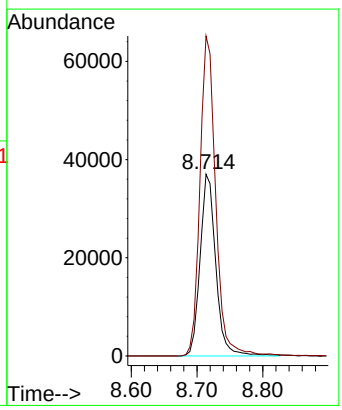


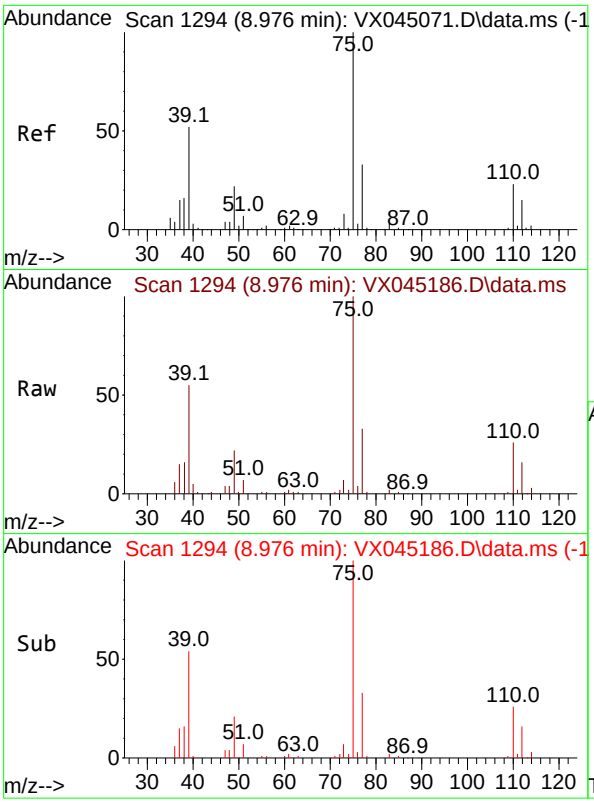


#52
Toluene
Concen: 19.431 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 92 Resp: 61445

Ion	Ratio	Lower	Upper
92	100		
91	176.9	138.9	208.3

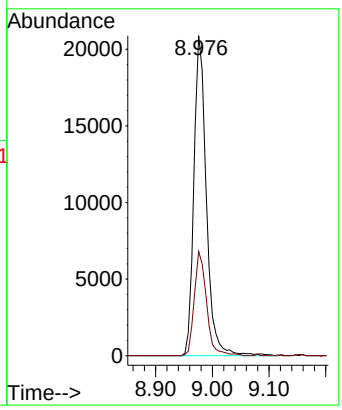




#53
t-1,3-Dichloropropene
Concen: 19.858 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 75 Resp: 3189

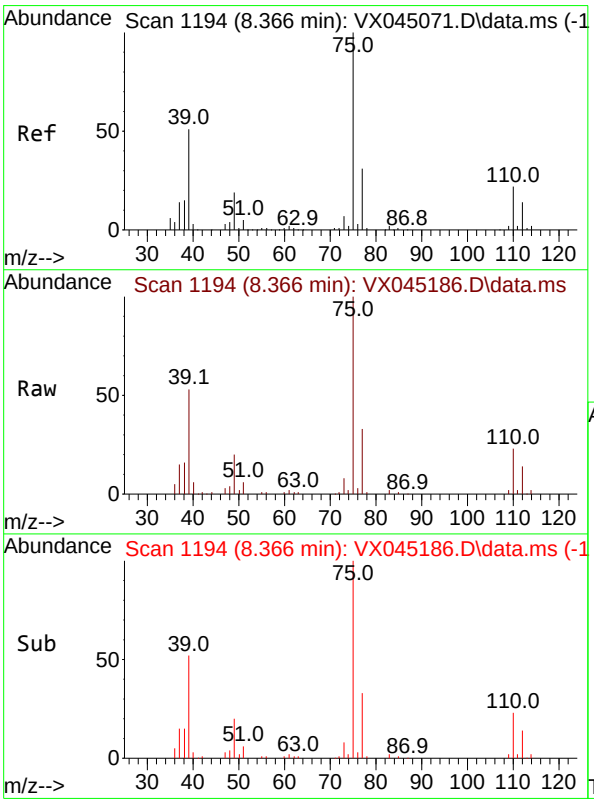
Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

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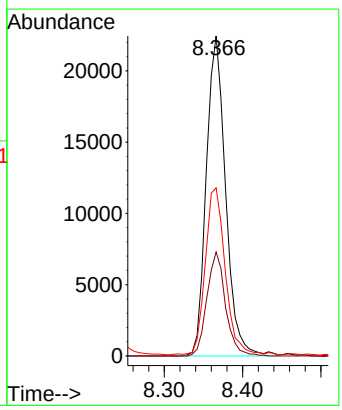
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

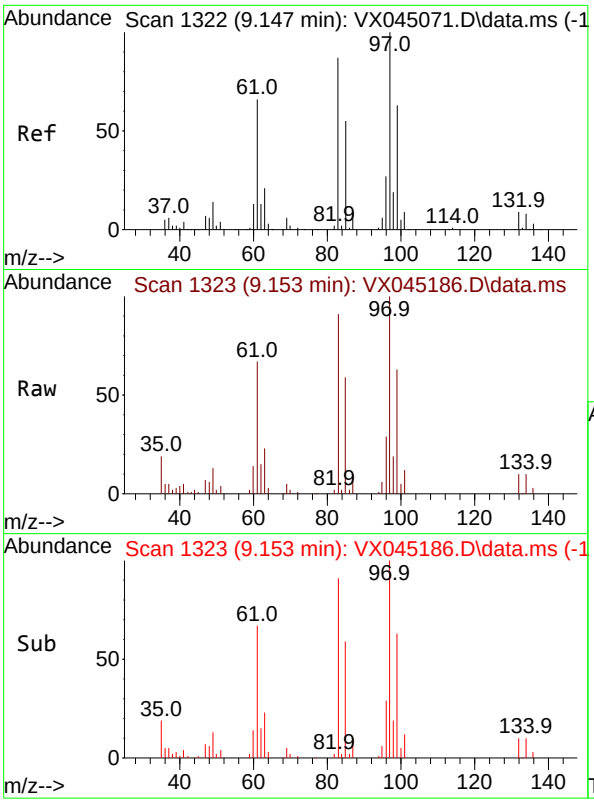


#54
cis-1,3-Dichloropropene
Concen: 20.549 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 75 Resp: 38485

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.7	37.1
39	52.1	40.7	61.1

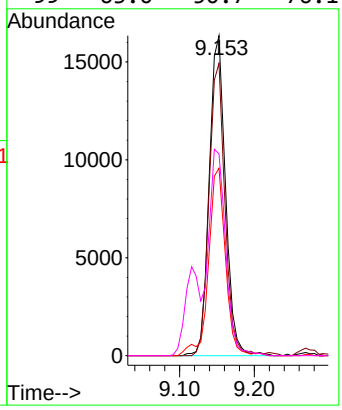




#55
1,1,2-Trichloroethane
Concen: 19.003 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 97 Resp: 2473

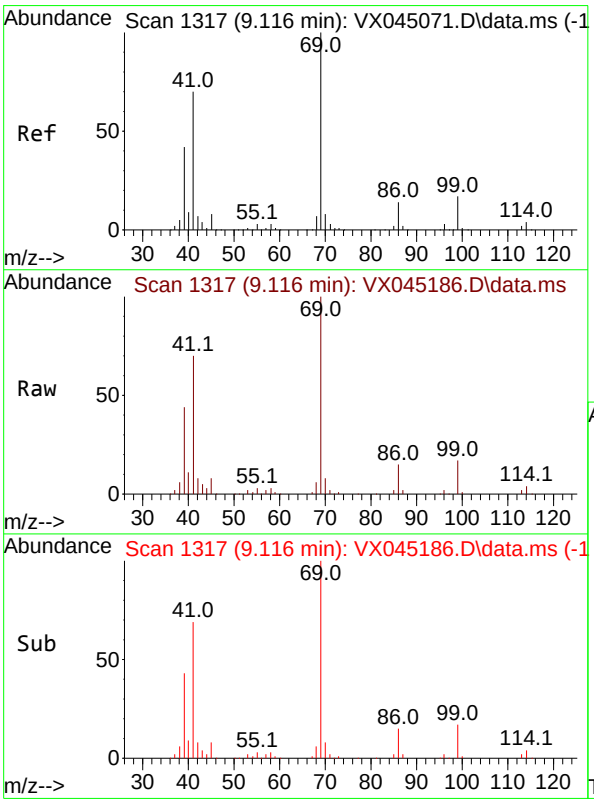
Ion	Ratio	Lower	Upper
97	100		
83	91.3	69.4	104.2
85	58.6	44.1	66.1
99	63.0	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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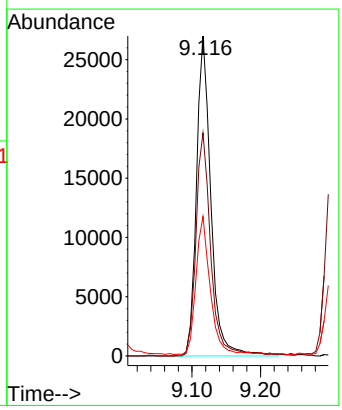
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

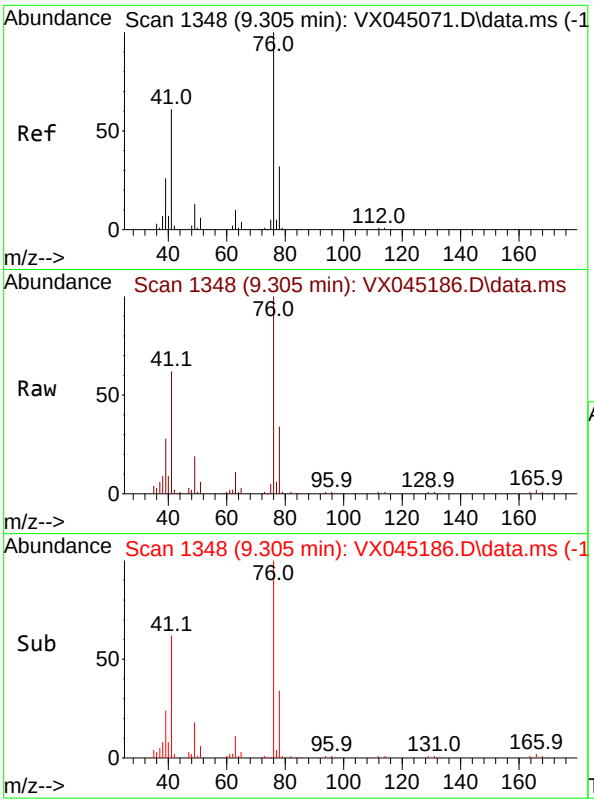


#56
Ethyl methacrylate
Concen: 19.949 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 69 Resp: 39475

Ion	Ratio	Lower	Upper
69	100		
41	72.0	57.0	85.4
39	44.7	34.2	51.4





#57
1,3-Dichloropropane
Concen: 19.262 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

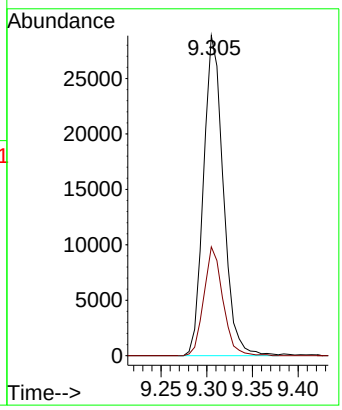
Tgt Ion: 76 Resp: 4339

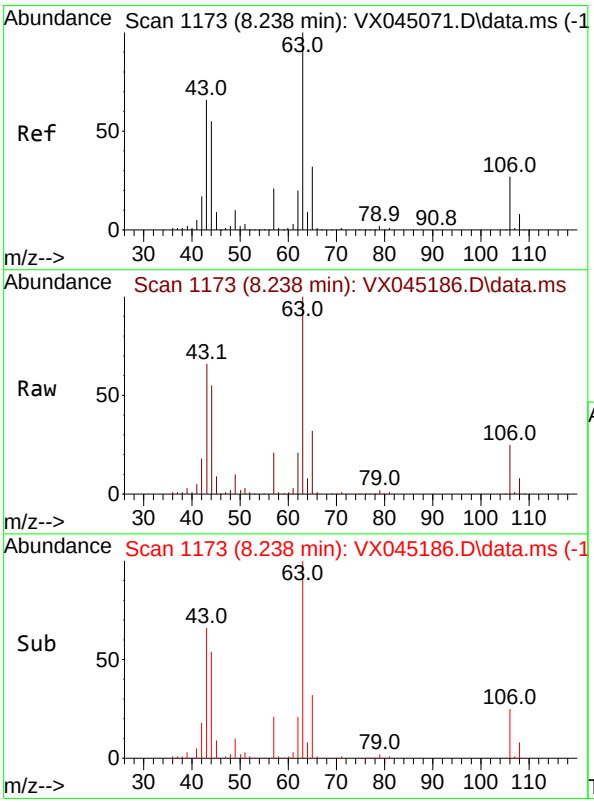
Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

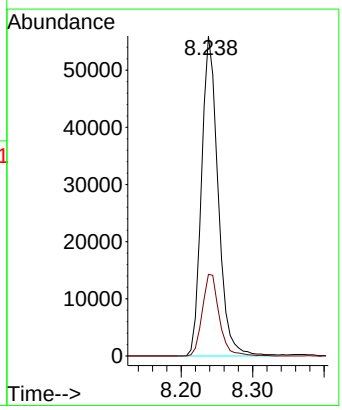


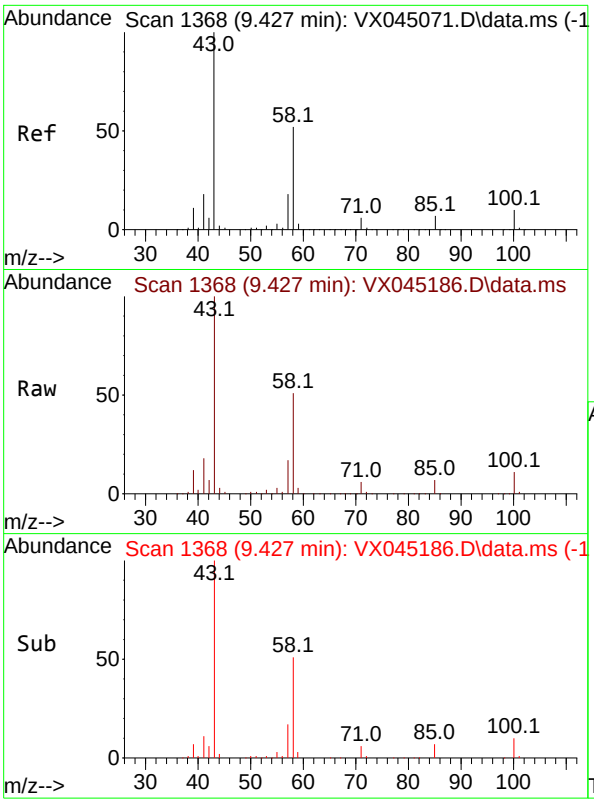


#58
2-Chloroethyl Vinyl ether
Concen: 93.427 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 63 Resp: 90184

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.5	32.3





#59
2-Hexanone
Concen: 101.689 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

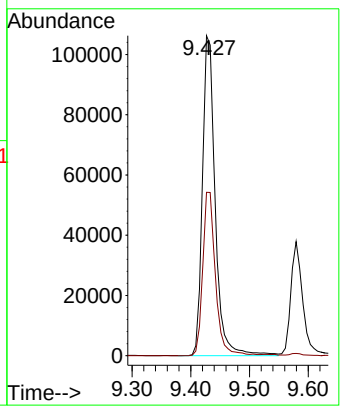
Tgt Ion: 43 Resp: 16088

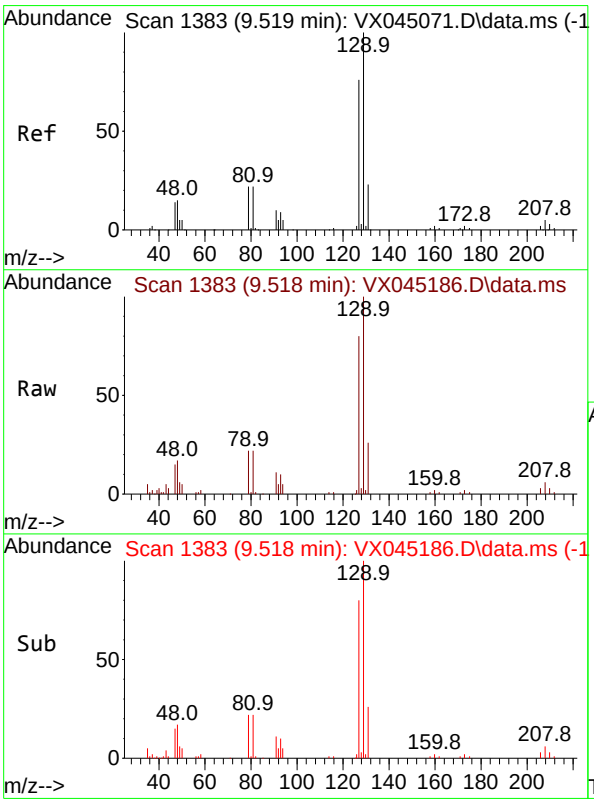
Ion	Ratio	Lower	Upper
43	100		
58	50.8	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

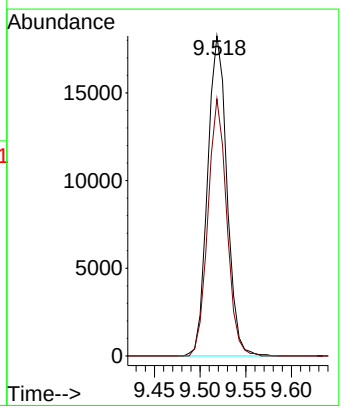


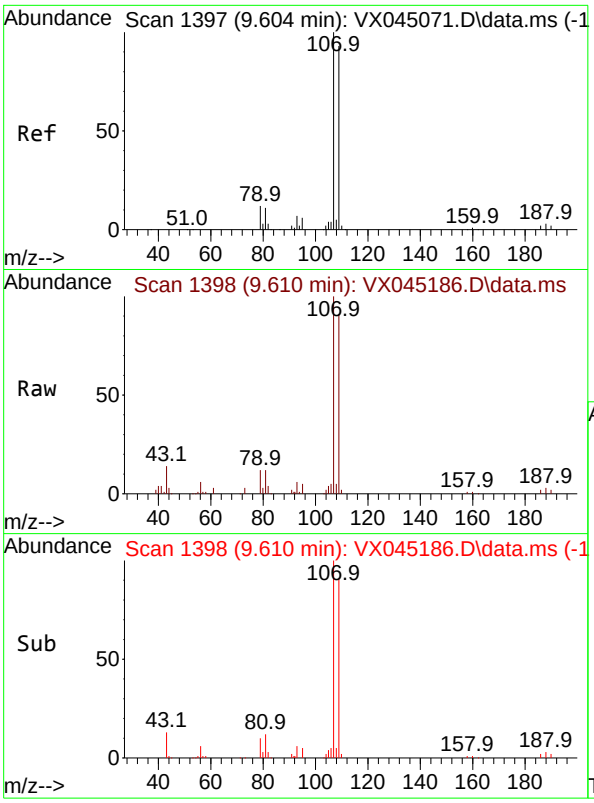


#60
Dibromochloromethane
Concen: 19.693 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:129 Resp: 26805

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.5

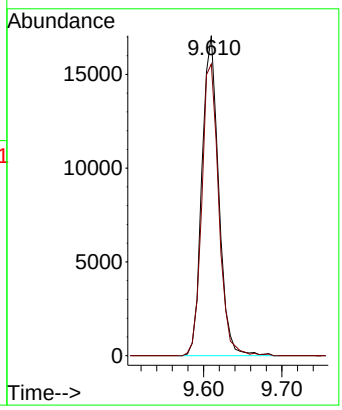




#61
1,2-Dibromoethane
Concen: 19.408 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:107 Resp: 2522

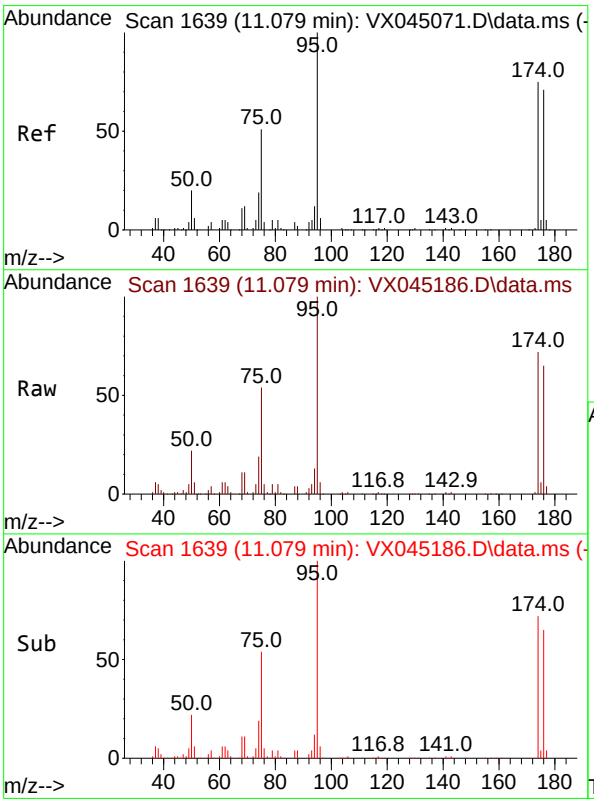
Ion	Ratio	Lower	Upper
107	100		
109	92.7	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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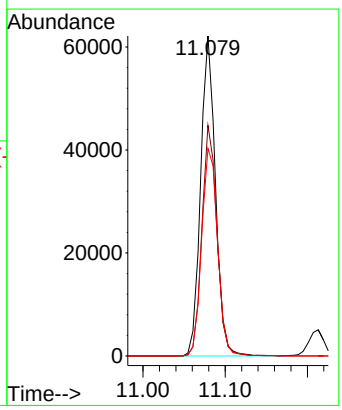
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

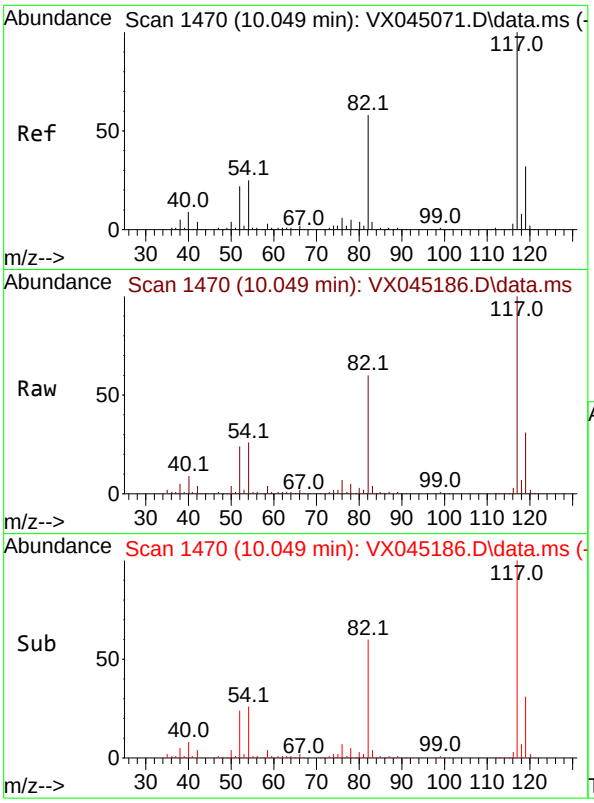


#62
4-Bromofluorobenzene
Concen: 51.953 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 95 Resp: 77677

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	148.2
176	69.6	0.0	141.4

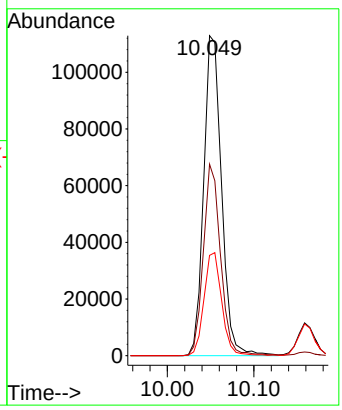




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:117 Resp: 16187

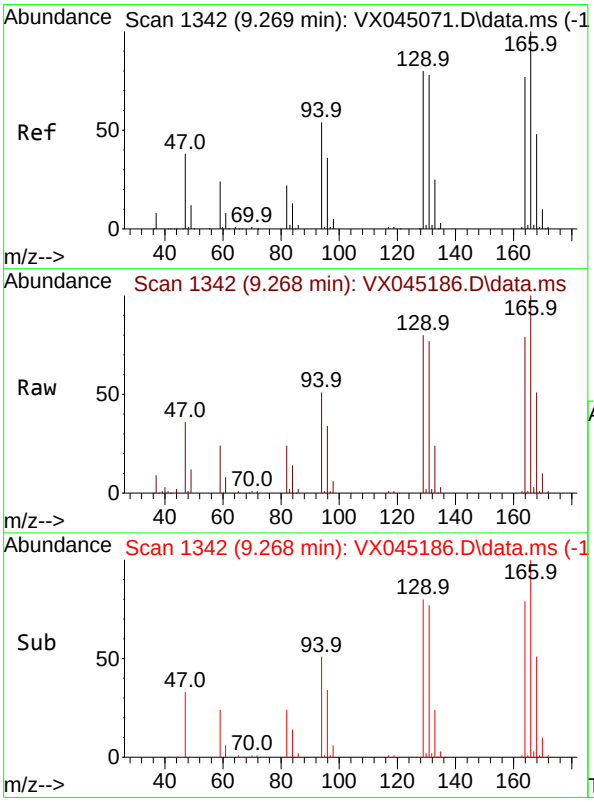
Ion	Ratio	Lower	Upper
117	100		
82	59.8	46.3	69.5
119	31.3	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

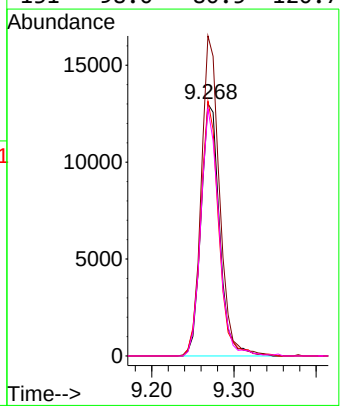
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

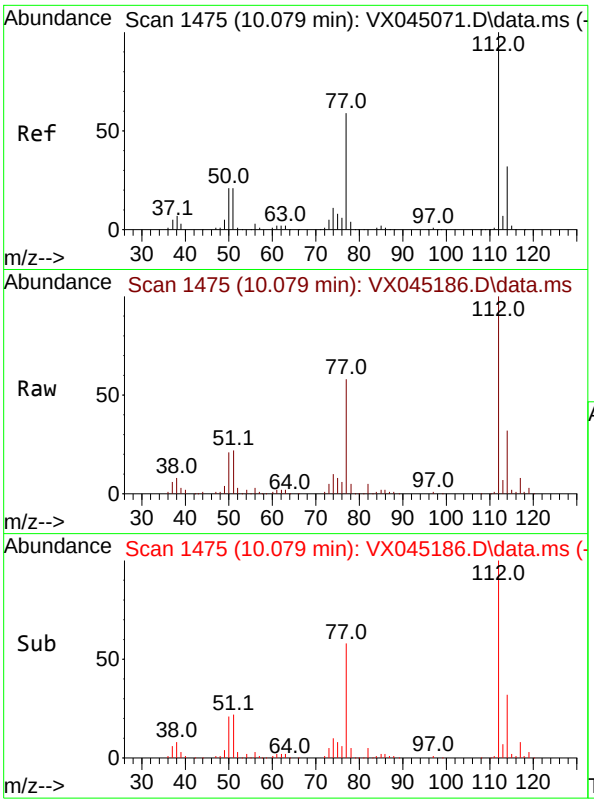


#64
Tetrachloroethene
Concen: 19.562 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:164 Resp: 20281

Ion	Ratio	Lower	Upper
164	100		
166	126.9	103.6	155.4
129	101.0	82.7	124.1
131	98.0	80.5	120.7

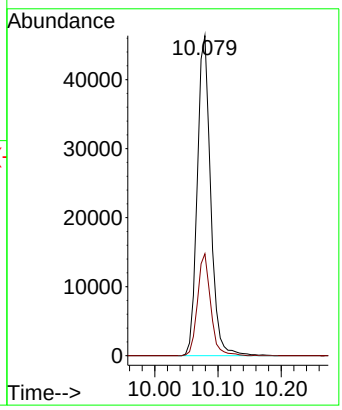




#65
Chlorobenzene
Concen: 19.930 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:112 Resp: 6826

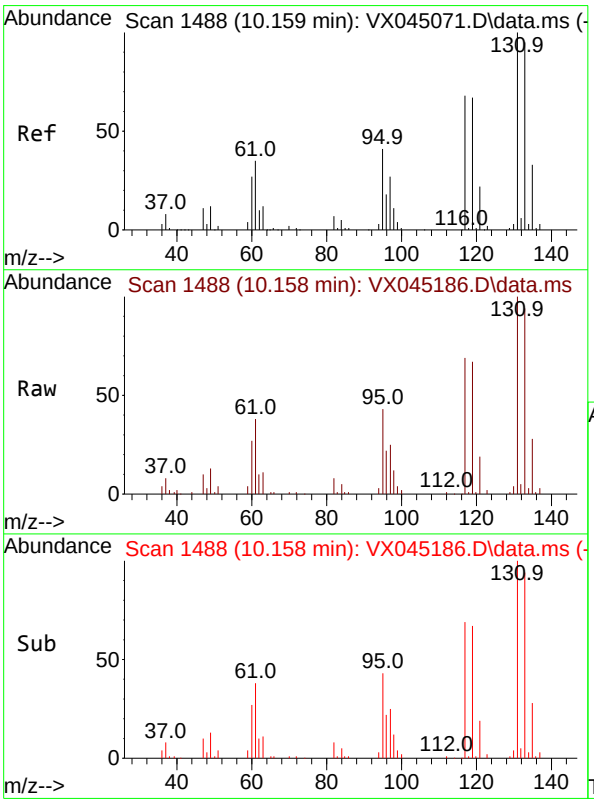
Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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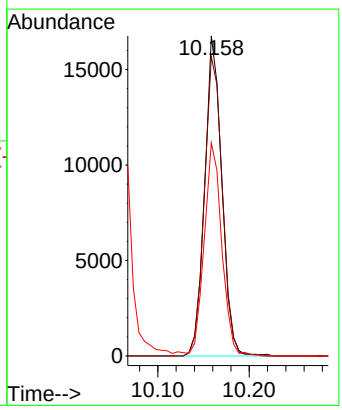
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

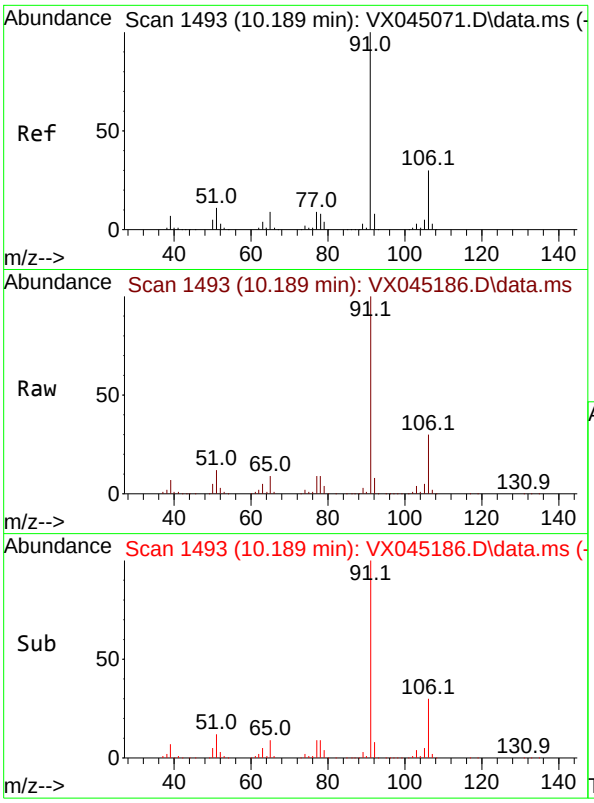


#66
1,1,1,2-Tetrachloroethane
Concen: 19.033 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:131 Resp: 21711

Ion	Ratio	Lower	Upper
131	100		
133	98.8	48.6	145.9
119	68.5	33.9	101.7





#67
Ethyl Benzene
Concen: 19.760 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

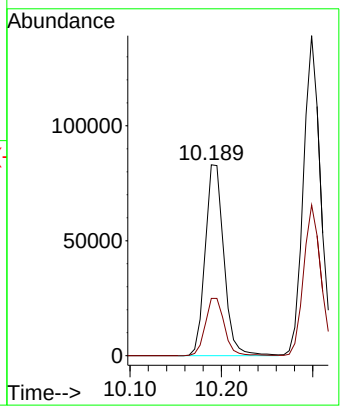
Tgt Ion: 91 Resp: 11793

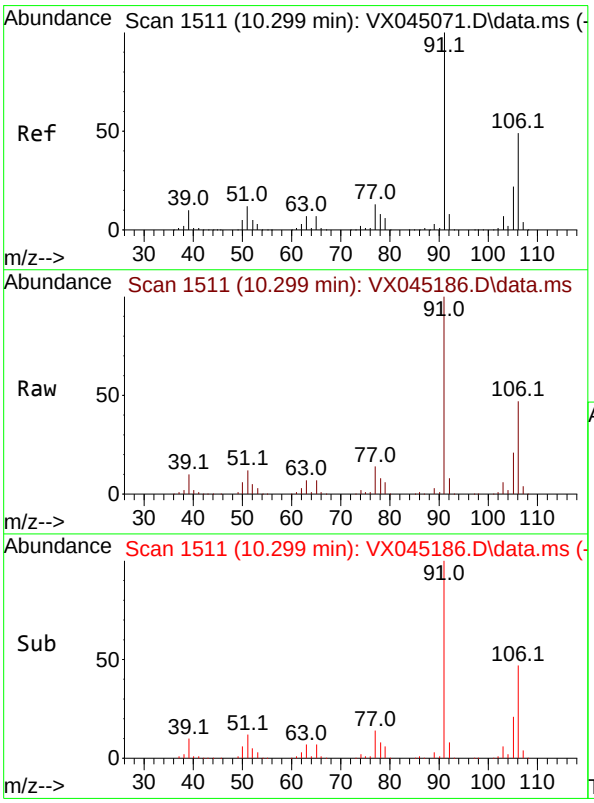
Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

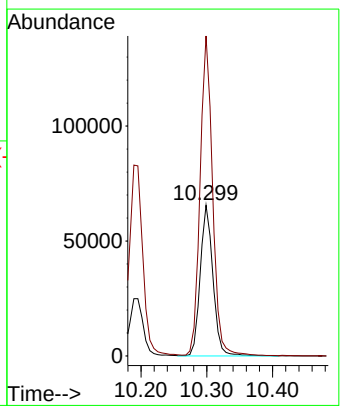


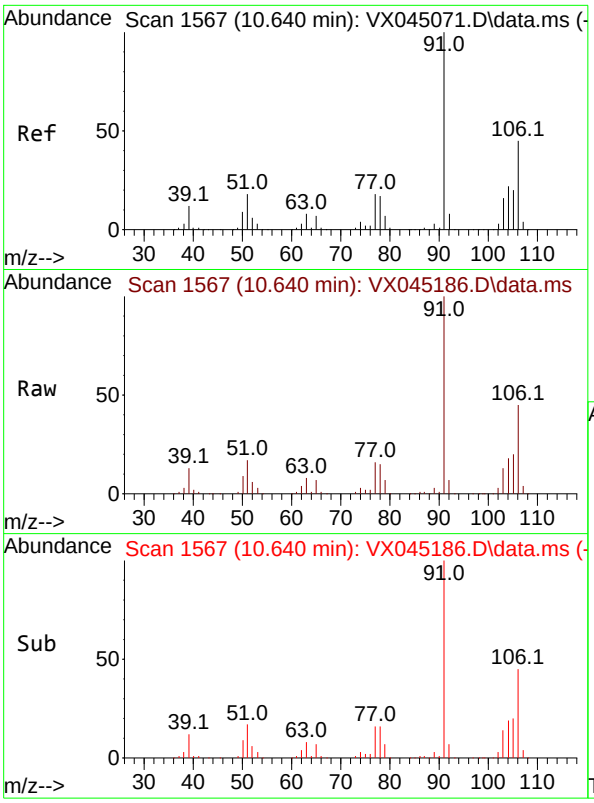


#68
m/p-Xylenes
Concen: 40.505 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:106 Resp: 88499

Ion	Ratio	Lower	Upper
106	100		
91	207.9	165.4	248.0





#69
o-Xylene
Concen: 19.813 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

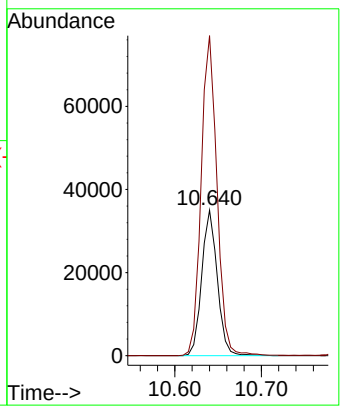
Tgt Ion:106 Resp: 4366

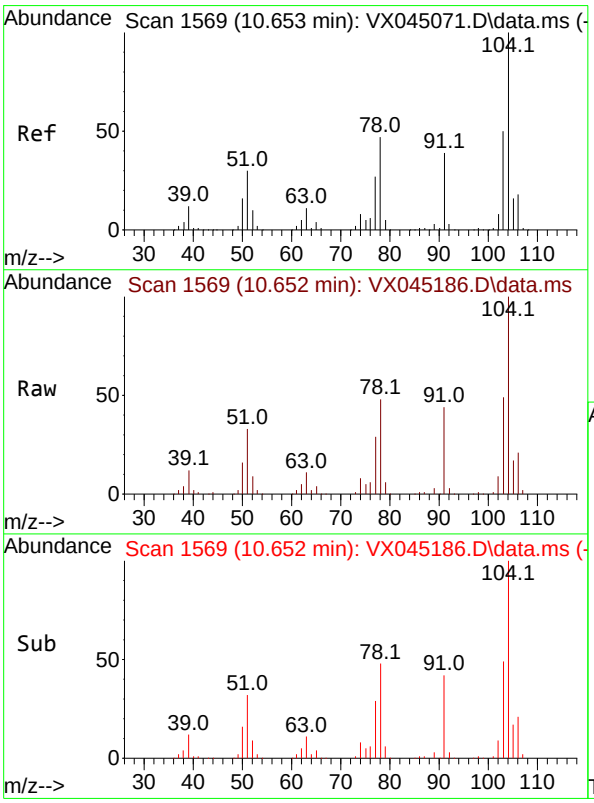
Ion	Ratio	Lower	Upper
106	100		
91	223.7	109.9	329.6

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

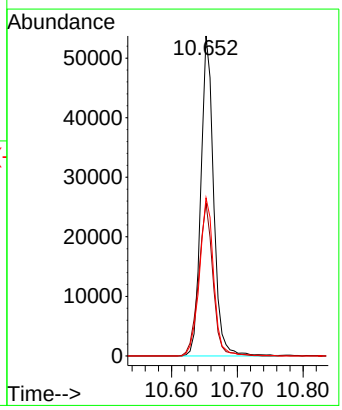


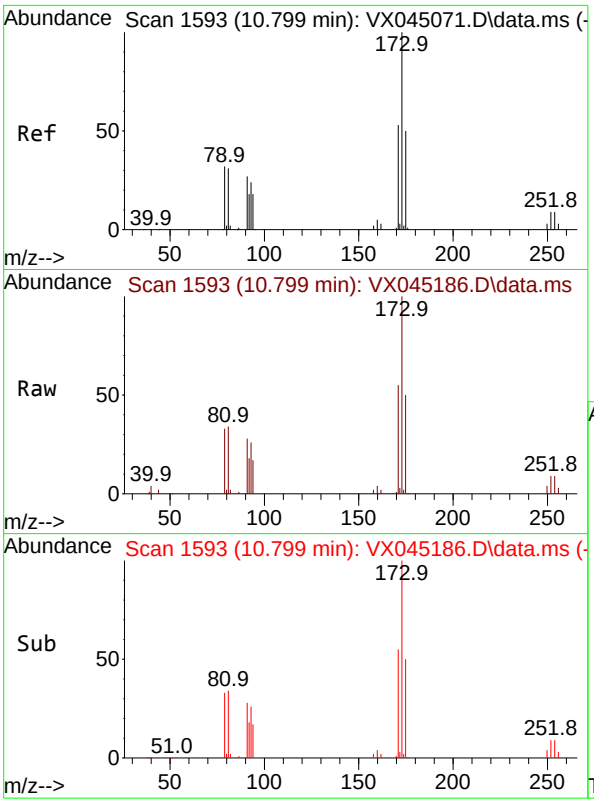


#70
Styrene
Concen: 20.404 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:104 Resp: 72752

Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.2	63.4
103	55.0	43.8	65.8





#71
Bromoform
Concen: 20.068 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

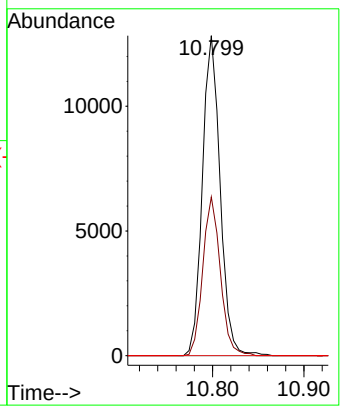
Tgt Ion:173 Resp: 1726

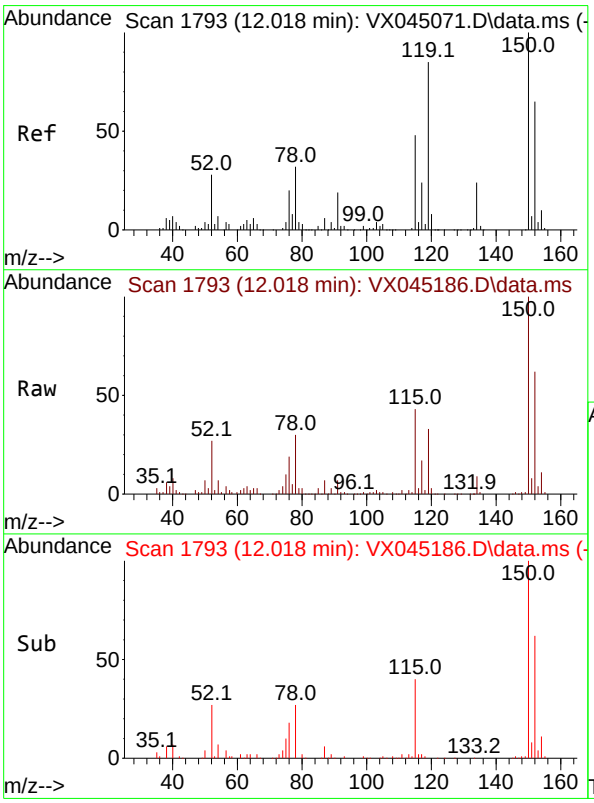
Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

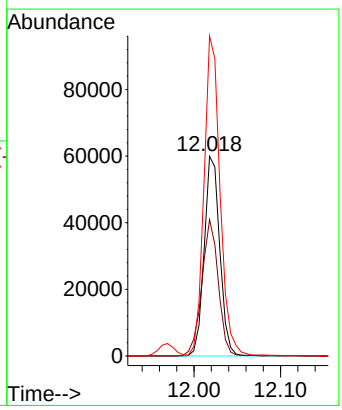


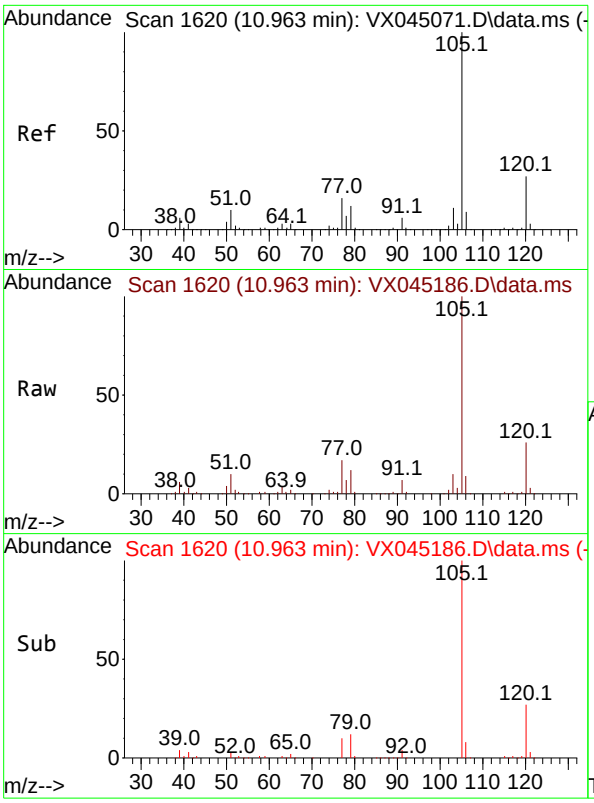


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:152 Resp: 74969

Ion	Ratio	Lower	Upper
152	100		
115	72.0	44.2	132.6
150	165.0	0.0	349.0

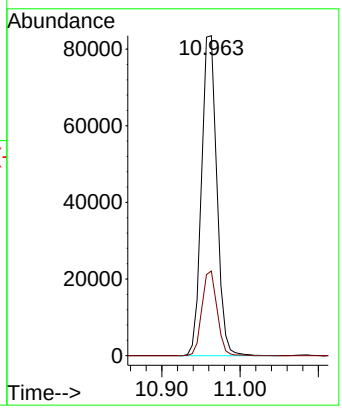




#73
Isopropylbenzene
Concen: 19.375 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:105 Resp: 11337

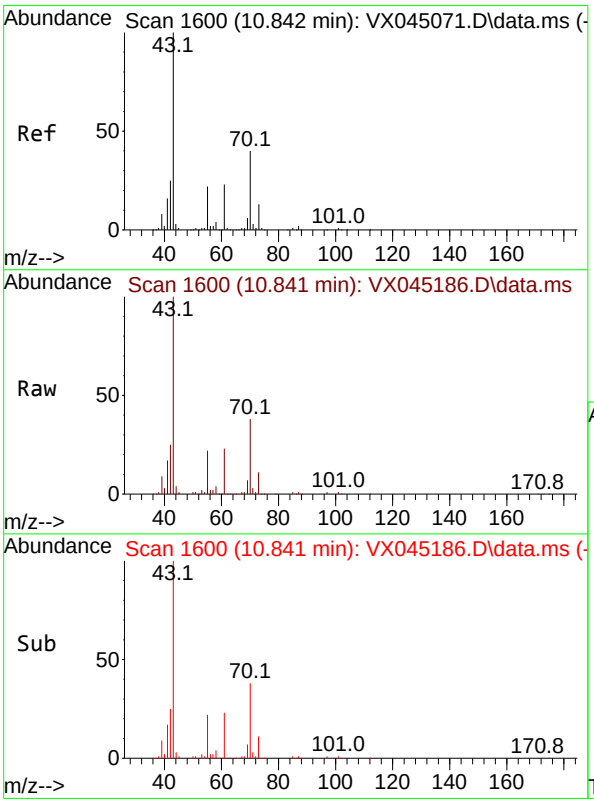
Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

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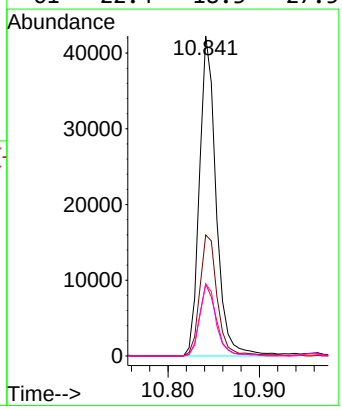
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

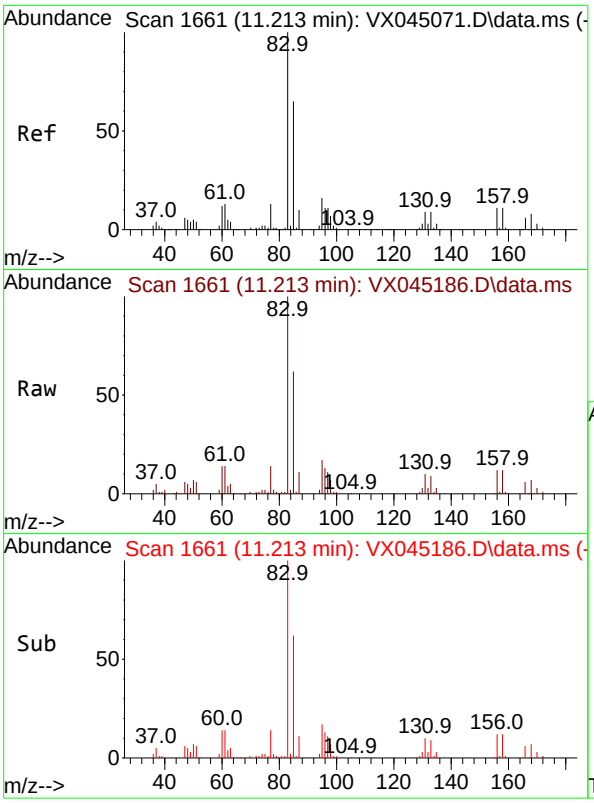


#74
N-amyl acetate
Concen: 19.531 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 43 Resp: 53626

Ion	Ratio	Lower	Upper
43	100		
70	39.9	31.8	47.6
55	22.9	18.3	27.5
61	22.4	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 18.866 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

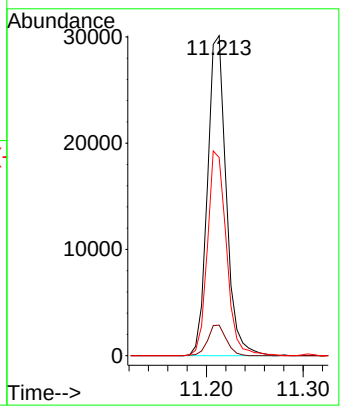
Tgt Ion: 83 Resp: 4051

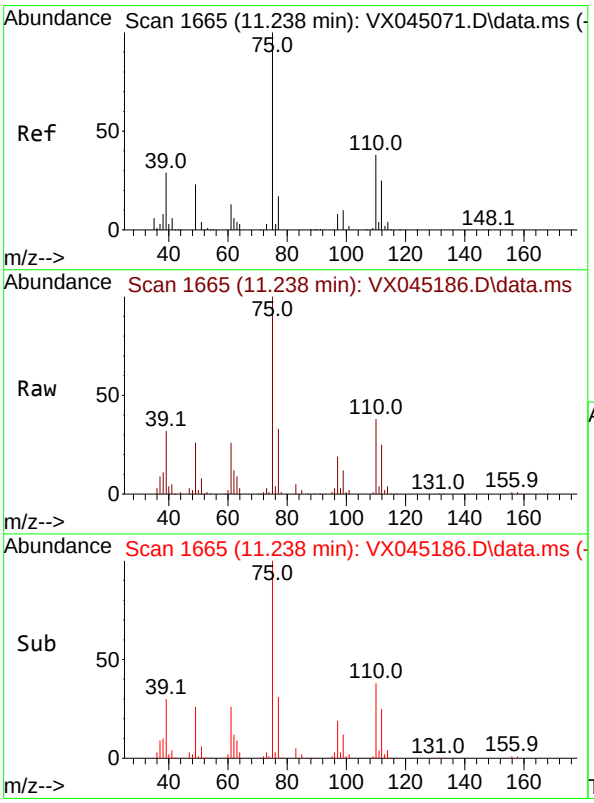
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.4
85	65.0	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

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Reviewed By :John Carlone 03/11/2025
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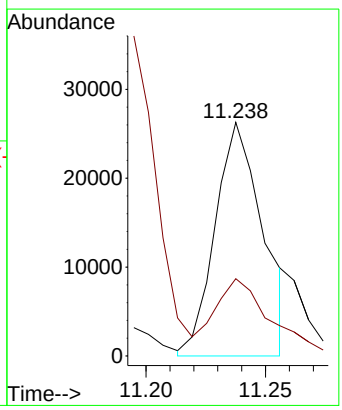


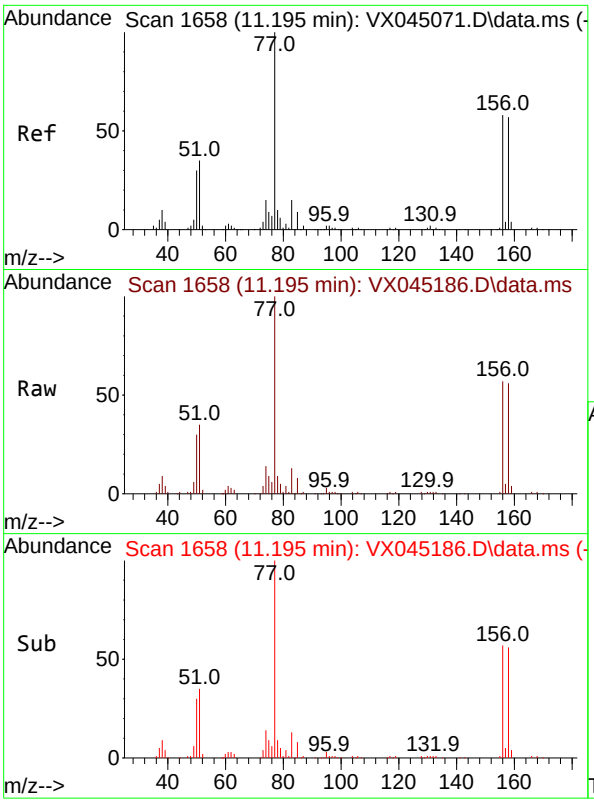


#76
1,2,3-Trichloropropane
Concen: 20.904 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 75 Resp: 36475

Ion	Ratio	Lower	Upper
75	100		
77	39.4	20.7	62.1





#77
Bromobenzene
Concen: 19.653 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

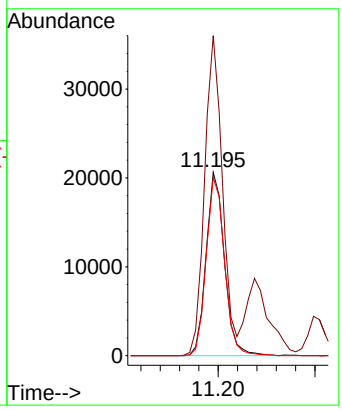
Tgt Ion:156 Resp: 2713

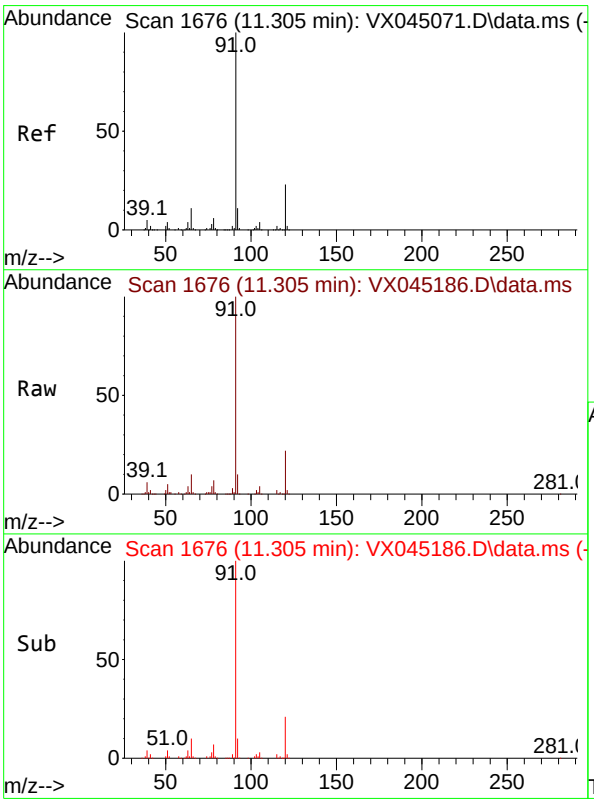
Ion	Ratio	Lower	Upper
156	100		
77	169.2	85.8	257.4
158	97.2	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

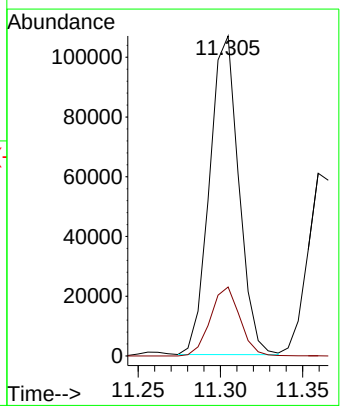


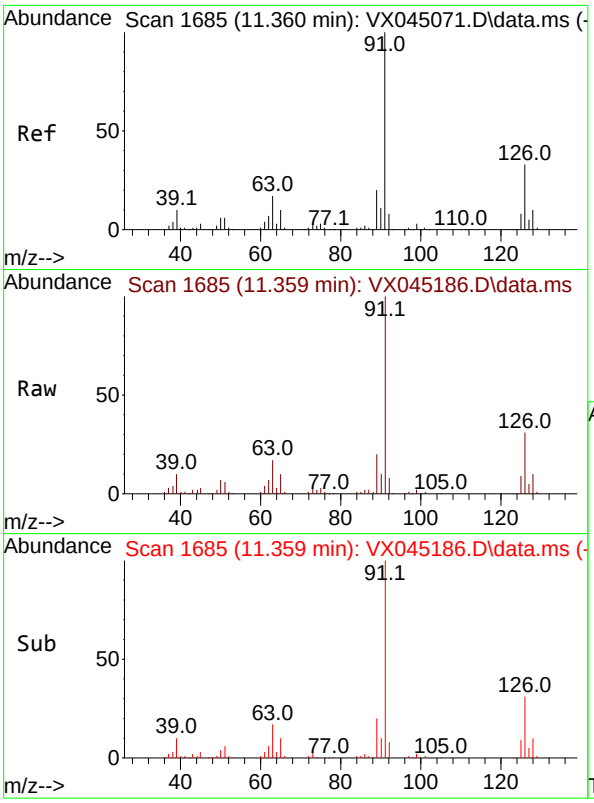


#78
n-propylbenzene
Concen: 20.027 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 91 Resp: 132378

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6





#79
2-Chlorotoluene
Concen: 19.162 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

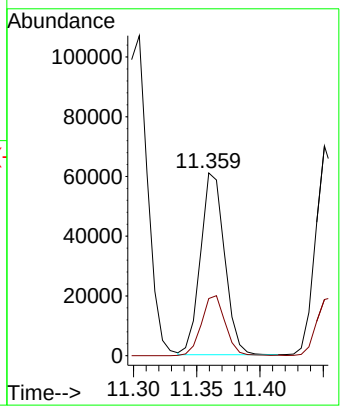
Tgt Ion: 91 Resp: 8066

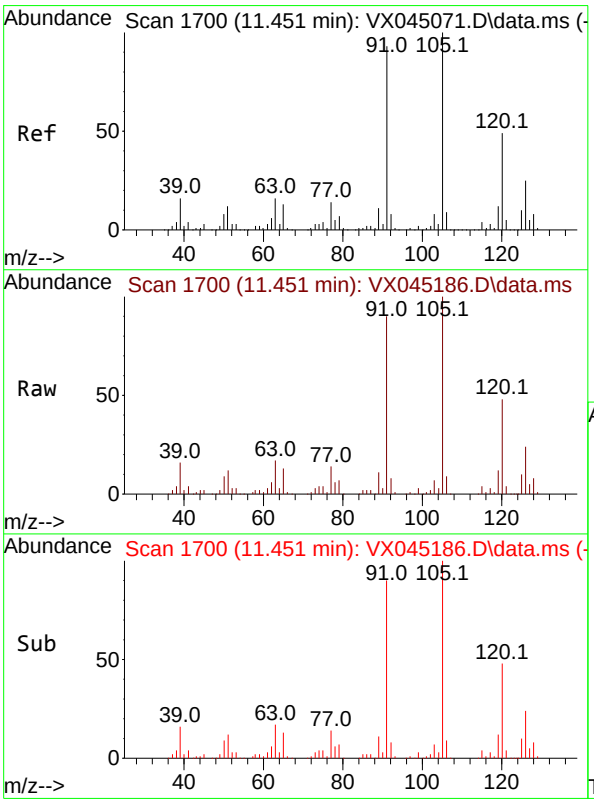
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

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Reviewed By :John Carlone 03/11/2025
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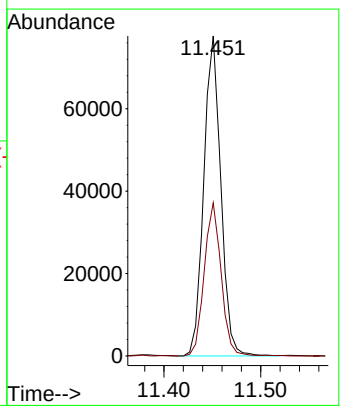


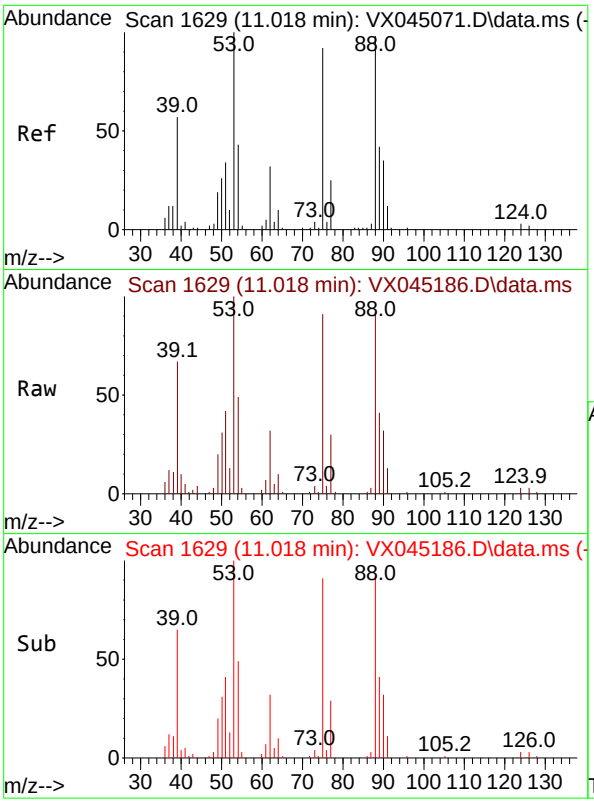


#80
1,3,5-Trimethylbenzene
Concen: 20.108 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:105 Resp: 95140

Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 20.022 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

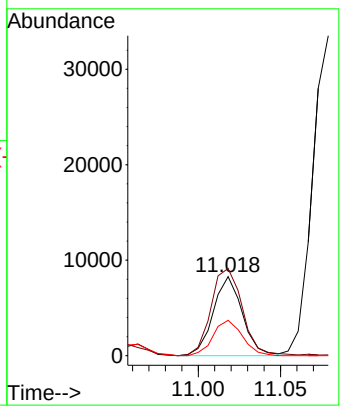
Tgt Ion: 75 Resp: 1020

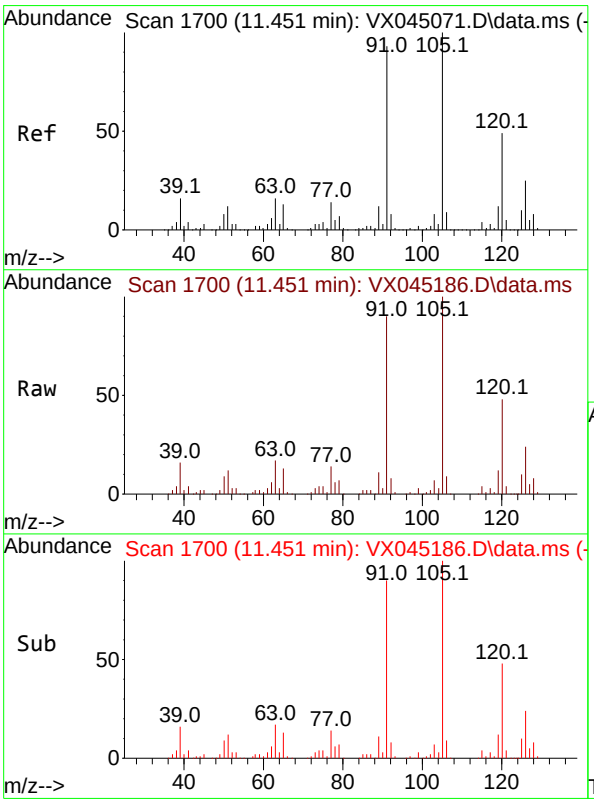
Ion	Ratio	Lower	Upper
75	100		
53	120.0	88.5	132.7
89	45.2	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

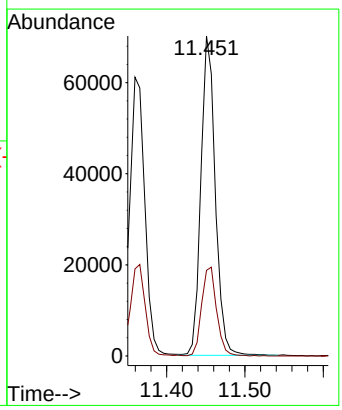


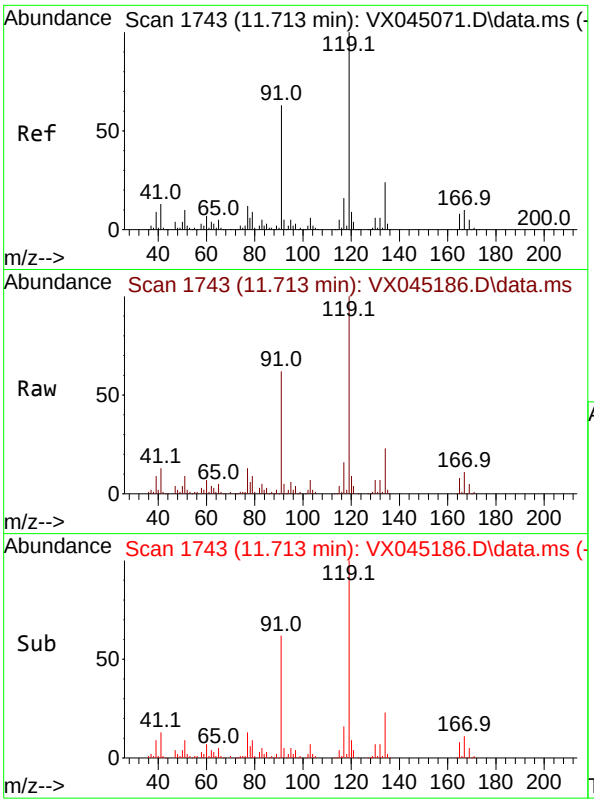


#82
4-Chlorotoluene
Concen: 19.478 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 91 Resp: 89366

Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.1	42.4

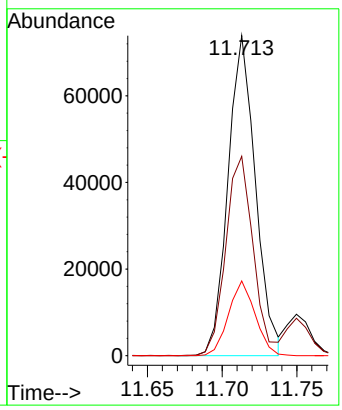




#83
tert-Butylbenzene
Concen: 19.437 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:119 Resp: 9449

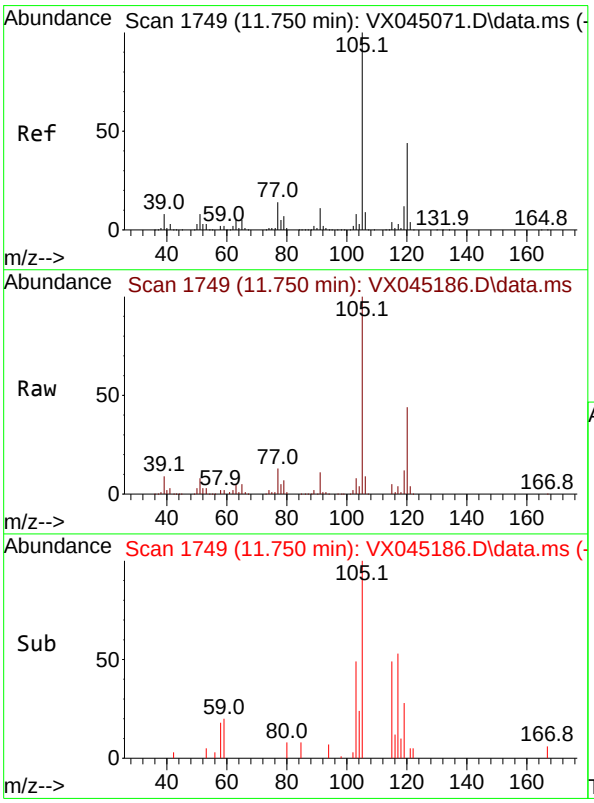
Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.7	92.1
134	22.7	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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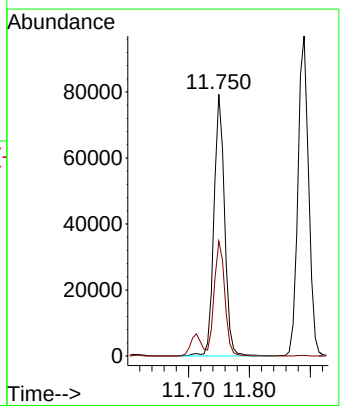
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

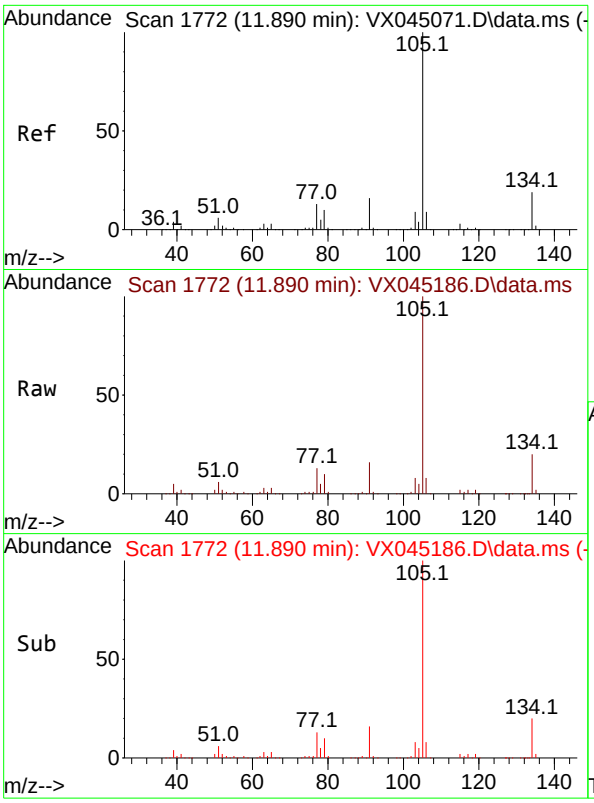


#84
1,2,4-Trimethylbenzene
Concen: 20.190 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:105 Resp: 96117

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.1	66.1





#85
sec-Butylbenzene
Concen: 20.368 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

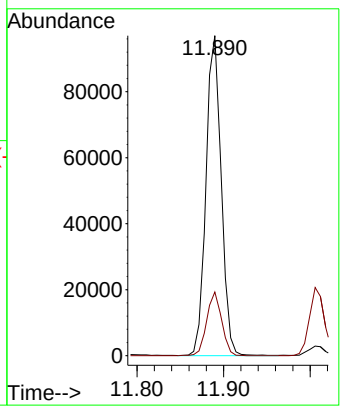
Tgt Ion:105 Resp: 11861

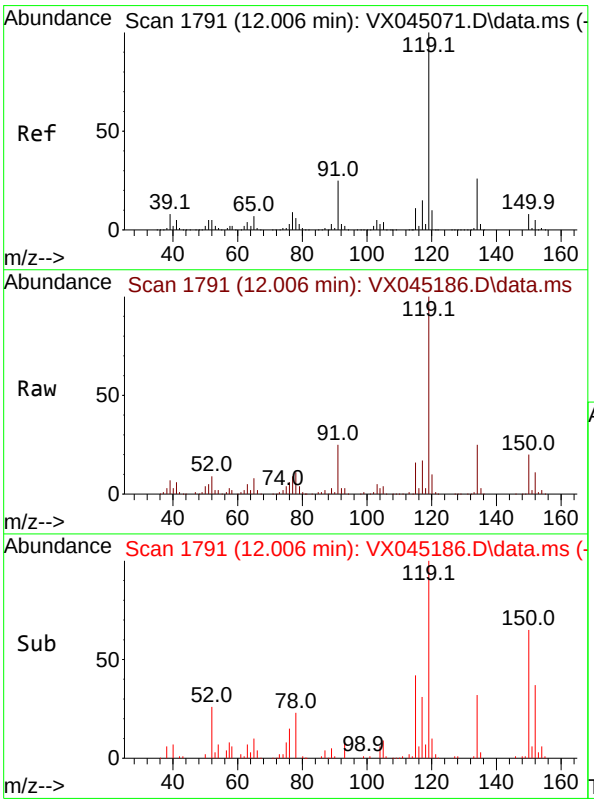
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

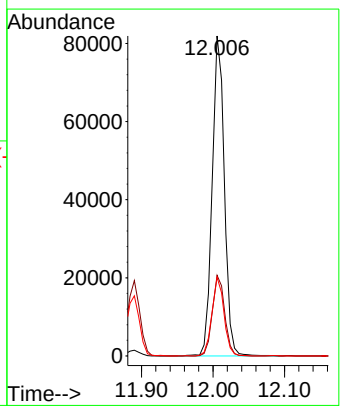


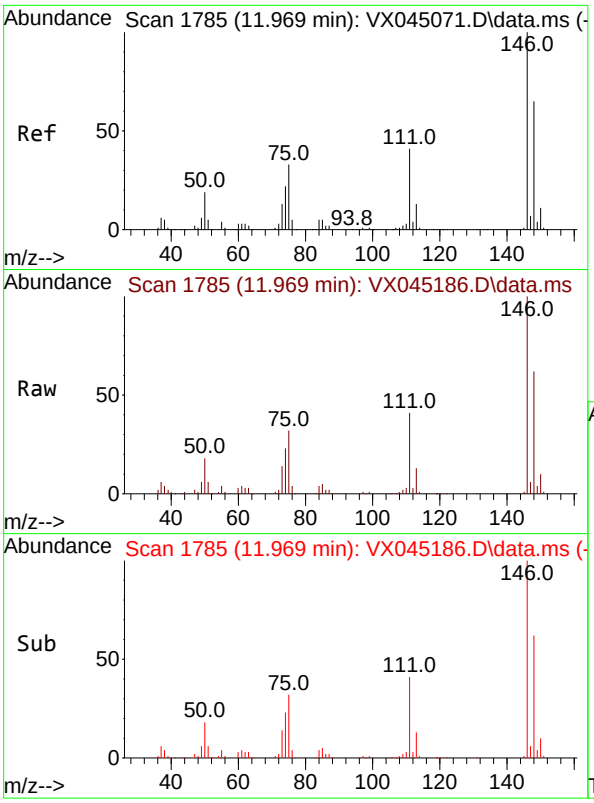


#86
p-Isopropyltoluene
Concen: 20.574 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:119 Resp: 96823

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	24.4	12.7	38.0





#87
1,3-Dichlorobenzene
Concen: 19.782 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

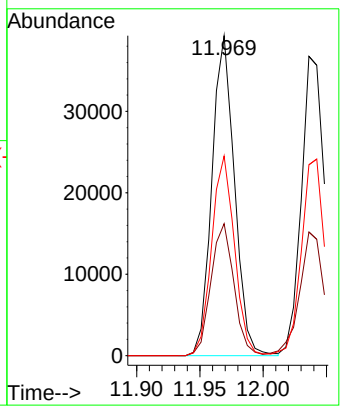
Tgt Ion:146 Resp: 4872

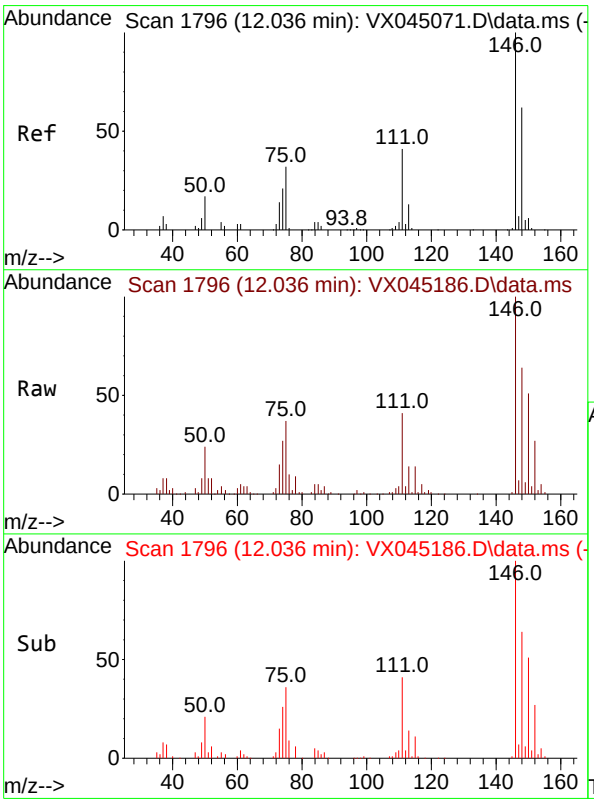
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.4
148	63.3	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

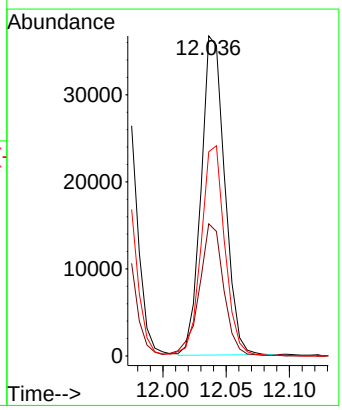


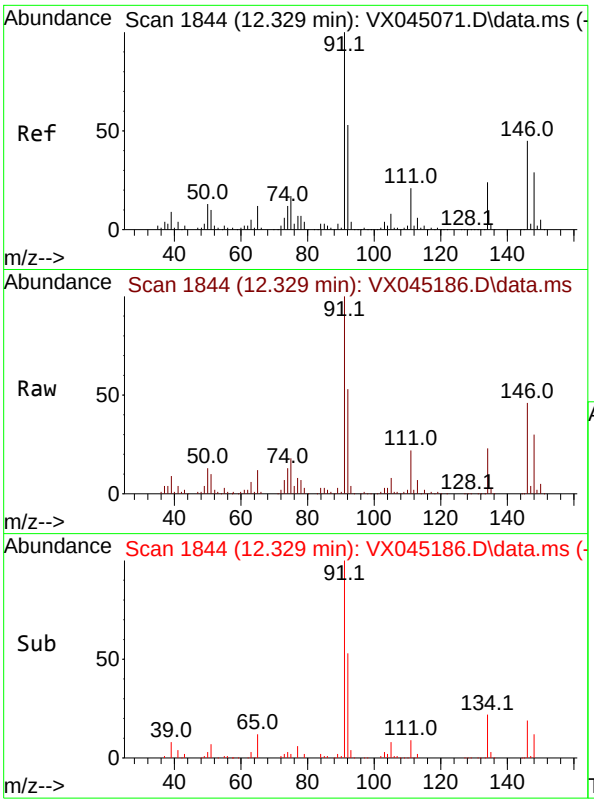


#88
1,4-Dichlorobenzene
Concen: 19.103 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:146 Resp: 47601

Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.2	60.5
148	66.6	31.9	95.9





#89
n-Butylbenzene
Concen: 20.579 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

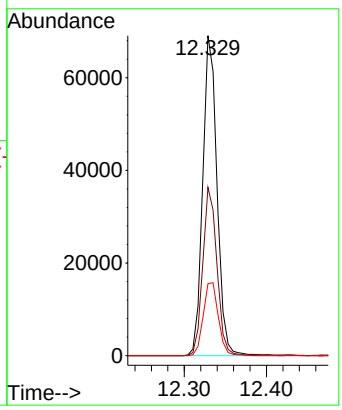
Tgt Ion: 91 Resp: 8341

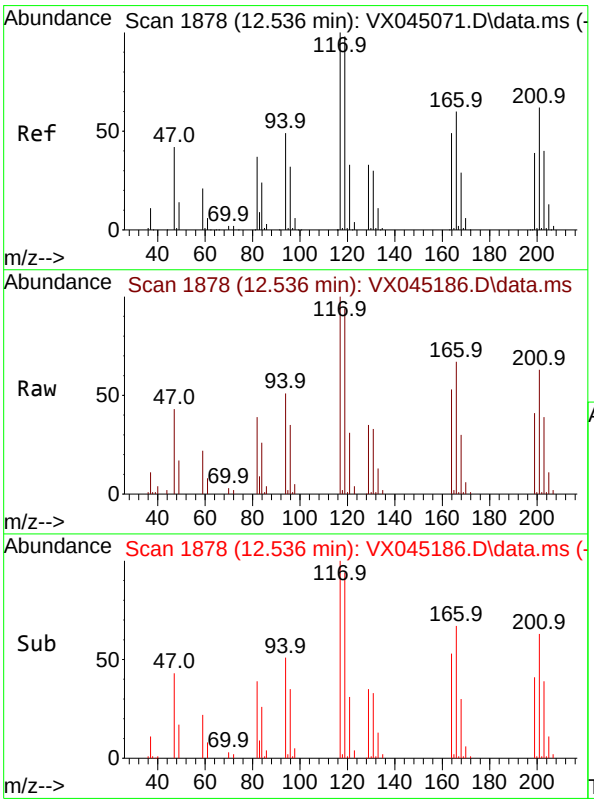
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.7	80.0
134	24.1	12.2	36.6

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

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Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

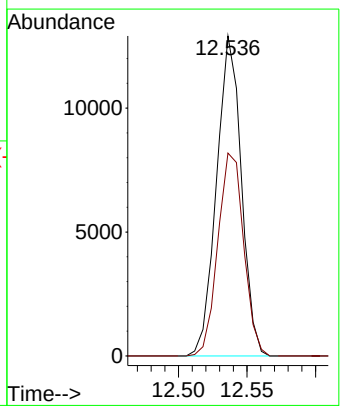


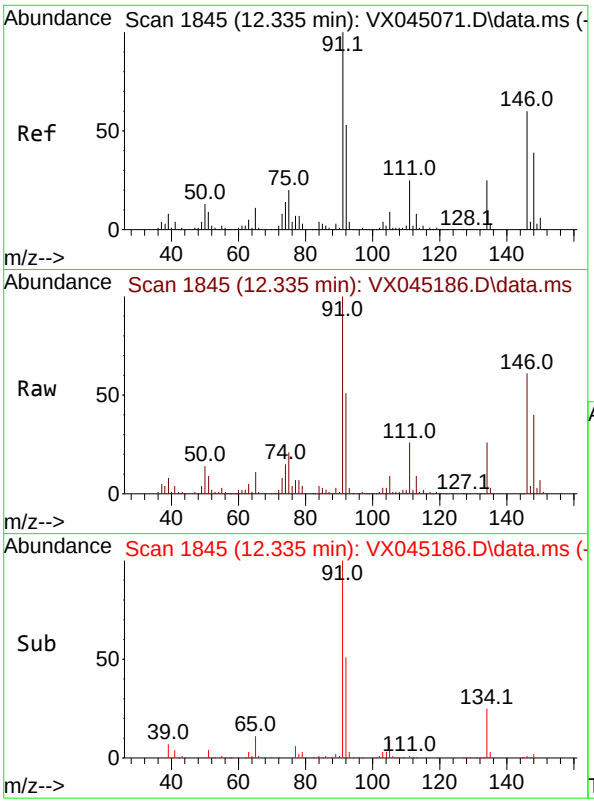


#90
Hexachloroethane
Concen: 19.049 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:117 Resp: 16215

Ion	Ratio	Lower	Upper
117	100		
201	66.2	31.9	95.9





#91
1,2-Dichlorobenzene
Concen: 19.540 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

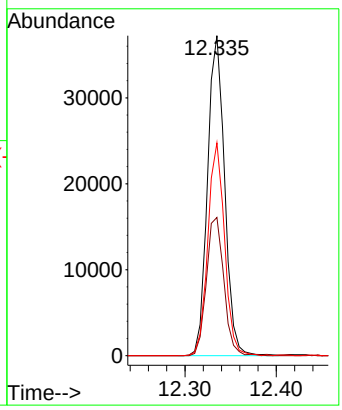
Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

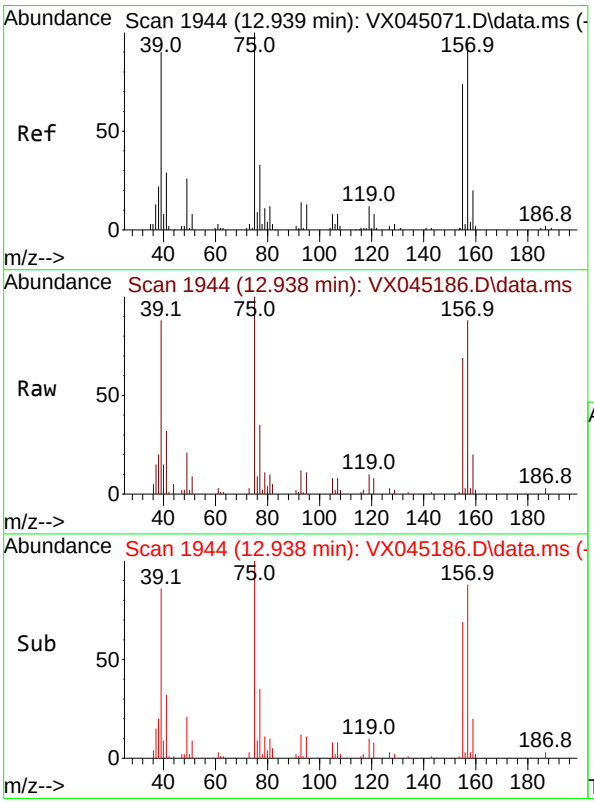
Tgt Ion:146 Resp: 4827

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.6	65.0
148	64.9	31.9	95.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

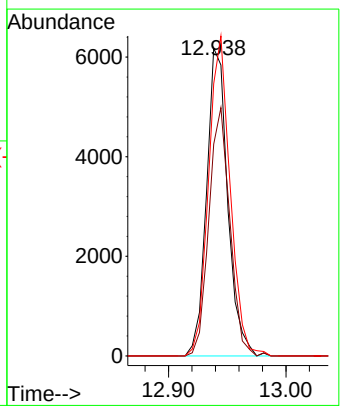


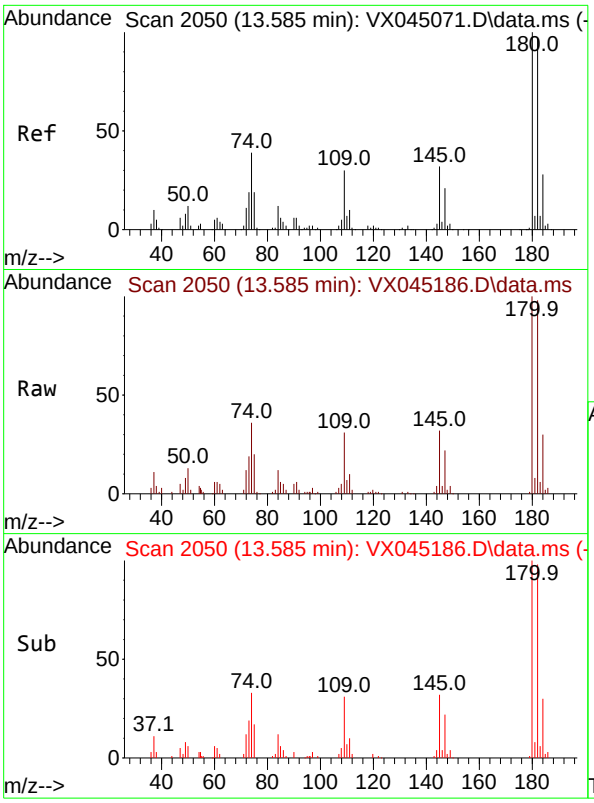


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.437 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 75 Resp: 7713

Ion	Ratio	Lower	Upper
75	100		
155	80.1	39.6	118.7
157	106.2	51.1	153.4

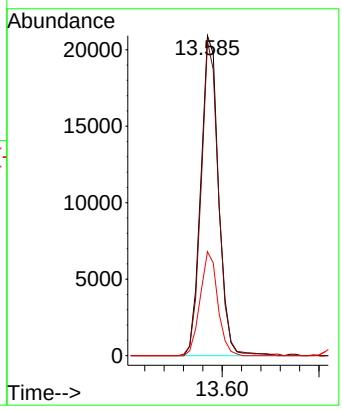




#93
1,2,4-Trichlorobenzene
Concen: 19.041 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:180 Resp: 2678

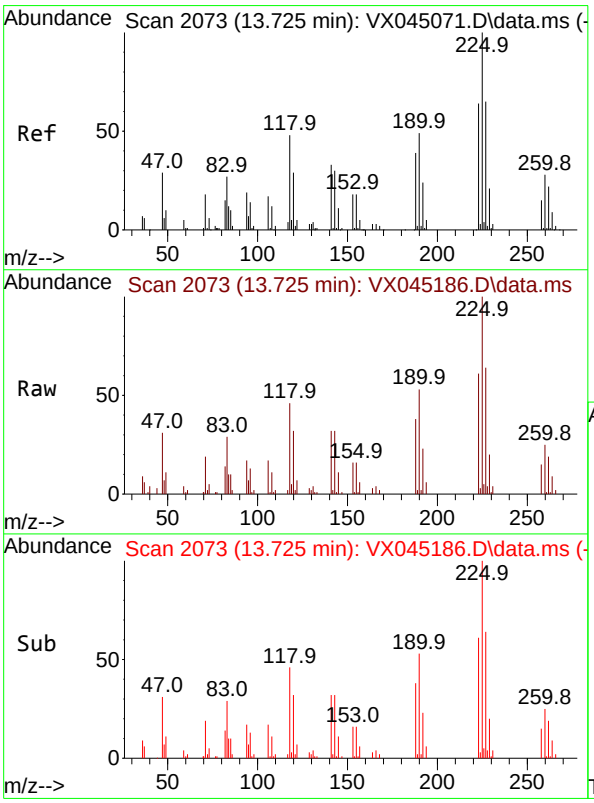
Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	141.9
145	32.0	16.3	48.9



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

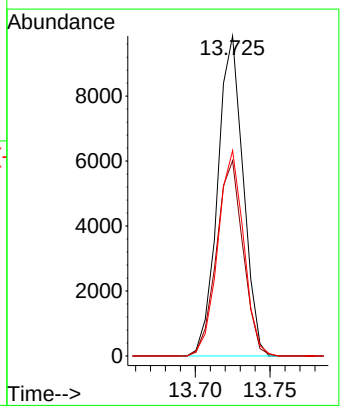
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

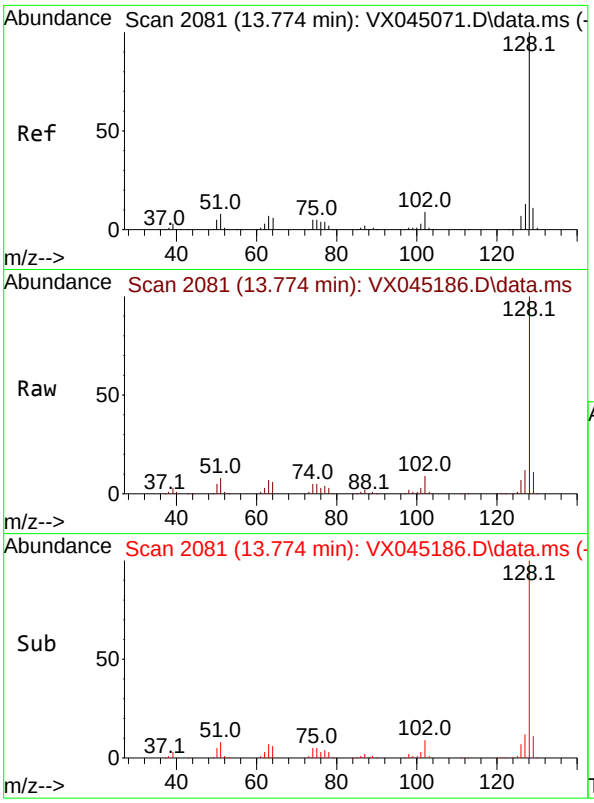


#94
Hexachlorobutadiene
Concen: 20.285 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:225 Resp: 11700

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	64.8	31.4	94.0

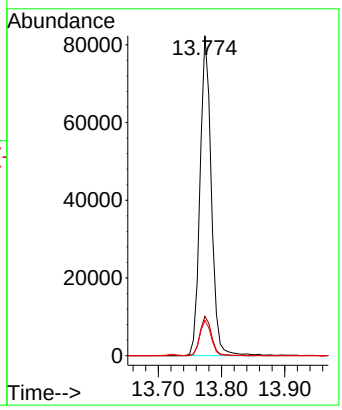




#95
Naphthalene
Concen: 18.968 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:128 Resp: 10252

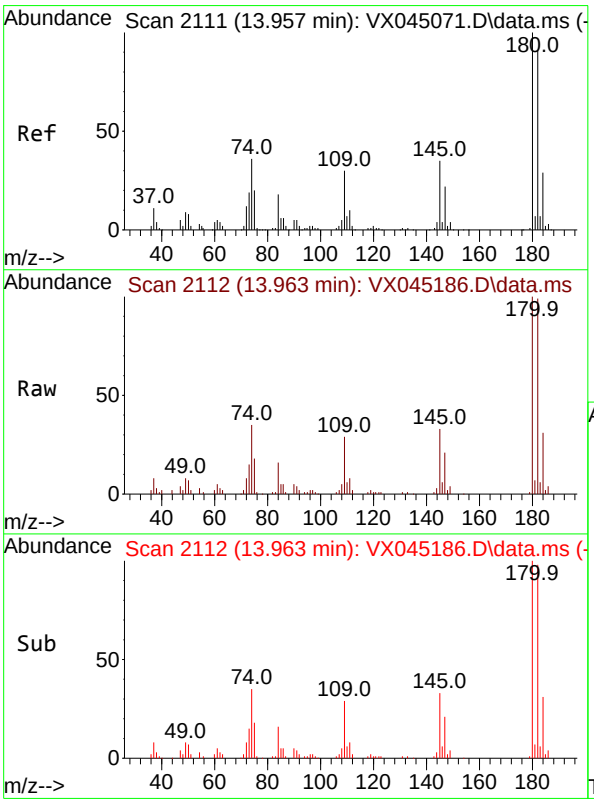
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	11.1	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Manual Integrations
APPROVED

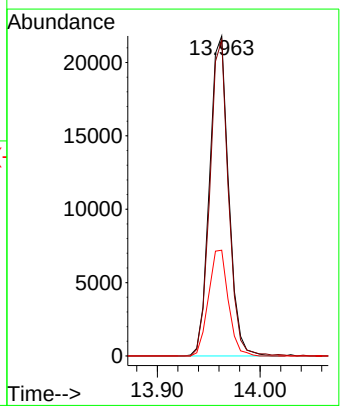
Reviewed By :John Carlone 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.942 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:180 Resp: 28112

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.6
145	34.4	17.0	50.9



Raw Data: **VX045214.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0311WBS01	SDG No.:	Q1500
Lab Sample ID:	VX0311WBS01	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
VX045214.D	1		03/11/25 11:14	VX031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.5		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	18.8		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.5		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	18.9		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	21.4		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.1		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.26	0.75	1.00	ug/L
67-64-1	Acetone	97.2		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.9		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.5		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	22.8		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.6		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.4		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	19.7		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	100		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	20.4		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	19.9		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	19.9		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.4		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.9		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.9		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.6		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	5.00	ug/L
108-88-3	Toluene	20.0		0.18	0.50	1.00	ug/L

Raw Data: **VX045214.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0311WBS01	SDG No.:	Q1500
Lab Sample ID:	VX0311WBS01	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
VX045214.D	1		03/11/25 11:14	VX031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.0		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.6		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.5		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	19.5		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.6		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.5		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.7		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.1		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	19.4		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.3		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	20.0		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.1		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.5		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.7		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.9		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.7		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.0		81 - 118		104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.2		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	94800	5.544				
540-36-3	1,4-Difluorobenzene	173000	6.757				
3114-55-4	Chlorobenzene-d5	152000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	71800	12.018				

Raw Data: **VX045214.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0311WBS01	SDG No.:	Q1500
Lab Sample ID:	VX0311WBS01	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
VX045214.D	1		03/11/25 11:14	VX031125

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\VX031125\
Data File : VX045214.D
Acq On : 11 Mar 2025 11:14
Operator : JC/MD
Sample : VX0311WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 12 01:43:44 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 :
VX0311WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	94786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	172566	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78434	52.022	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.040%			
35) Dibromofluoromethane	5.385	113	59827	51.847	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.700%			
50) Toluene-d8	8.647	98	214187	51.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.400%			
62) 4-Bromofluorobenzene	11.079	95	73373	52.930	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	23221	19.462	ug/l	93
3) Chloromethane	1.307	50	27497	18.832	ug/l	98
4) Vinyl Chloride	1.374	62	25371	17.516	ug/l	100
5) Bromomethane	1.593	94	10762	18.900	ug/l	99
6) Chloroethane	1.666	64	14288	21.385	ug/l	99
7) Trichlorofluoromethane	1.873	101	36662	19.119	ug/l	98
8) Diethyl Ether	2.130	74	13336	17.781	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.318	101	22963	20.844	ug/l	98
10) Methyl Iodide	2.440	142	26241	19.060	ug/l	98
11) Tert butyl alcohol	2.977	59	23827	83.432	ug/l	99
12) 1,1-Dichloroethene	2.306	96	21892	18.796	ug/l	96
13) Acrolein	2.233	56	27498	83.295	ug/l	98
14) Allyl chloride	2.654	41	42402	20.452	ug/l	97
15) Acrylonitrile	3.062	53	76815	100.359	ug/l	98
16) Acetone	2.379	43	68022	97.239	ug/l	100
17) Carbon Disulfide	2.501	76	52443	16.905	ug/l	99
18) Methyl Acetate	2.703	43	38406	22.822	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	76028	19.456	ug/l	97
20) Methylene Chloride	2.782	84	25706	18.551	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	22379	19.449	ug/l	96
22) Diisopropyl ether	3.763	45	82227	19.501	ug/l	92
23) Vinyl Acetate	3.721	43	347170	98.664	ug/l	100
24) 1,1-Dichloroethane	3.605	63	46401	19.636	ug/l	100
25) 2-Butanone	4.556	43	108494	103.036	ug/l	98
26) 2,2-Dichloropropane	4.471	77	31745	28.640	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	27319	19.233	ug/l	93
28) Bromochloromethane	4.891	49	23024	20.441	ug/l	98
29) Tetrahydrofuran	5.007	42	69813	98.728	ug/l	99
30) Chloroform	5.092	83	46678	19.880	ug/l	96
31) Cyclohexane	5.458	56	40348	19.670	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	37908	19.990	ug/l	98
36) 1,1-Dichloropropene	5.684	75	29907	18.899	ug/l	99
37) Ethyl Acetate	4.714	43	38853	19.054	ug/l	100
38) Carbon Tetrachloride	5.665	117	31723	19.746	ug/l	94
39) Methylcyclohexane	7.372	83	37800	19.935	ug/l	96
40) Benzene	6.031	78	96762	19.364	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045214.D
Acq On : 11 Mar 2025 11:14
Operator : JC/MD
Sample : VX0311WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 12 01:43:44 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 :
VX0311WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	22316	20.240	ug/l		96
42) 1,2-Dichloroethane	6.086	62	35693	19.836	ug/l		100
43) Isopropyl Acetate	6.342	43	60338	20.011	ug/l		98
44) Trichloroethene	7.123	130	22228	18.944	ug/l		100
45) 1,2-Dichloropropane	7.421	63	24329	18.936	ug/l		92
46) Dibromomethane	7.580	93	18282	20.132	ug/l		97
47) Bromodichloromethane	7.818	83	34860	19.571	ug/l		100
48) Methyl methacrylate	7.696	41	30110	19.905	ug/l		96
49) 1,4-Dioxane	7.665	88	12029	376.974	ug/l		92
51) 4-Methyl-2-Pentanone	8.573	43	214467	105.932	ug/l		99
52) Toluene	8.714	92	58726	20.030	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	29814	20.021	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	35732	20.578	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	23516	19.483	ug/l		98
56) Ethyl methacrylate	9.116	69	35989	19.616	ug/l		95
57) 1,3-Dichloropropane	9.305	76	42034	20.124	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	86098	96.201	ug/l		98
59) 2-Hexanone	9.427	43	159240	108.556	ug/l		100
60) Dibromochloromethane	9.518	129	24640	19.524	ug/l		99
61) 1,2-Dibromoethane	9.610	107	23673	19.647	ug/l		98
64) Tetrachloroethene	9.268	164	18990	19.537	ug/l		94
65) Chlorobenzene	10.079	112	63389	19.739	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	21025	19.659	ug/l		97
67) Ethyl Benzene	10.189	91	110625	19.770	ug/l		97
68) m/p-Xylenes	10.299	106	82080	40.069	ug/l		100
69) o-Xylene	10.640	106	40108	19.413	ug/l		99
70) Styrene	10.652	104	67728	20.260	ug/l		100
71) Bromoform	10.799	173	16153	20.029	ug/l	#	96
73) Isopropylbenzene	10.963	105	107006	19.084	ug/l		99
74) N-amyl acetate	10.841	43	50165	19.067	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	40119	19.498	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	32153m	19.230	ug/l		
77) Bromobenzene	11.195	156	24515	18.531	ug/l		99
78) n-propylbenzene	11.305	91	121782	19.227	ug/l		99
79) 2-Chlorotoluene	11.360	91	74331	18.427	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	87665	19.336	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8908	18.233	ug/l		92
82) 4-Chlorotoluene	11.451	91	84393	19.196	ug/l		99
83) tert-Butylbenzene	11.713	119	87407	18.764	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	87408	19.161	ug/l		99
85) sec-Butylbenzene	11.890	105	109340	19.595	ug/l		100
86) p-Isopropyltoluene	12.006	119	89213	19.784	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	45456	19.261	ug/l		97
88) 1,4-Dichlorobenzene	12.042	146	44731	18.734	ug/l		99
89) n-Butylbenzene	12.329	91	77043	19.837	ug/l		99
90) Hexachloroethane	12.536	117	14295	17.526	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	45966	19.416	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7663	19.117	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	25441	18.873	ug/l		99
94) Hexachlorobutadiene	13.725	225	11095	20.075	ug/l		96
95) Naphthalene	13.774	128	97611	18.846	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	26572	18.685	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045214.D
Acq On : 11 Mar 2025 11:14
Operator : JC/MD
Sample : VX0311WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 12 01:43:44 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 :
VX0311WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

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

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

Sample Results: **VX045214.D**

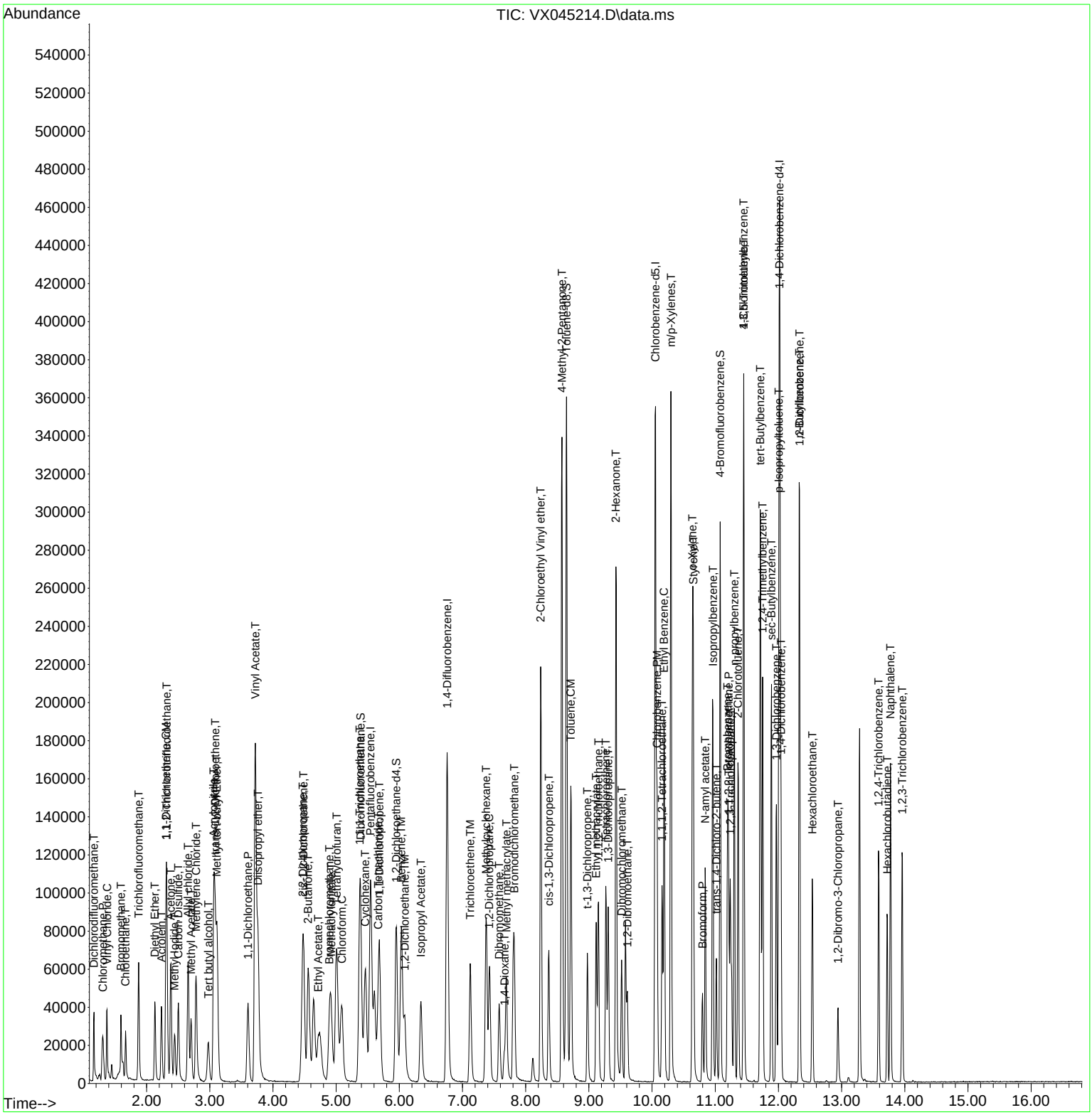
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Sample : VX0311WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

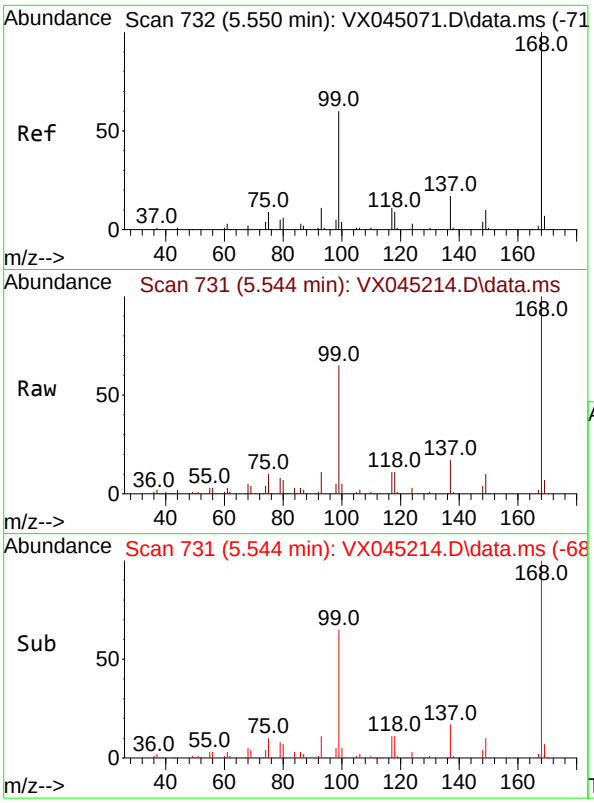
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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
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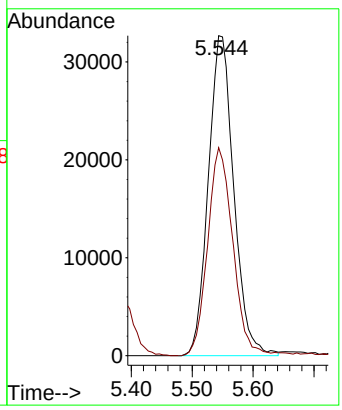




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:168 Resp: 9478

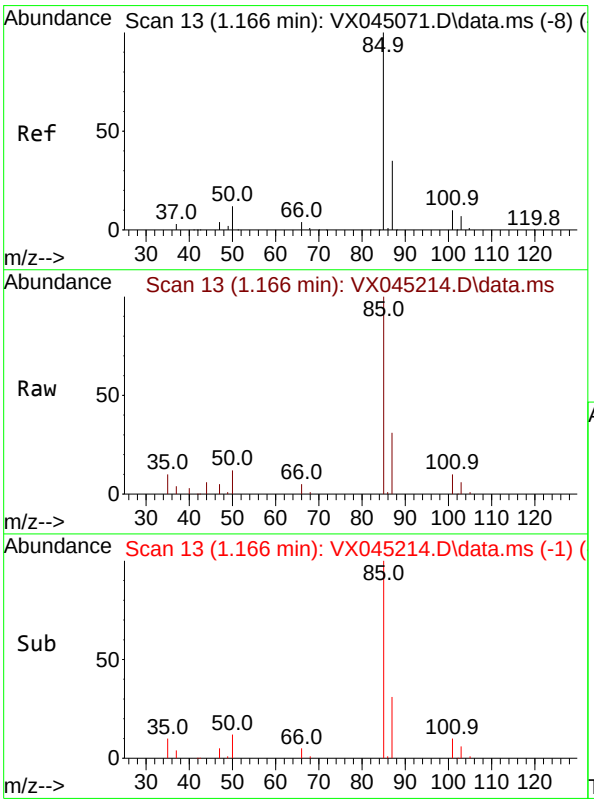
Ion	Ratio	Lower	Upper
168	100		
99	65.0	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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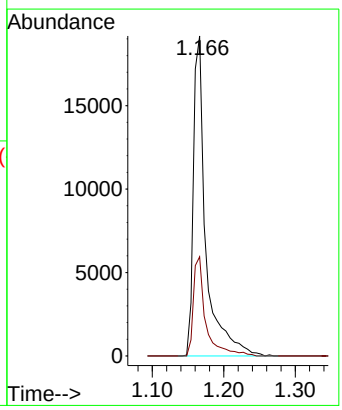
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

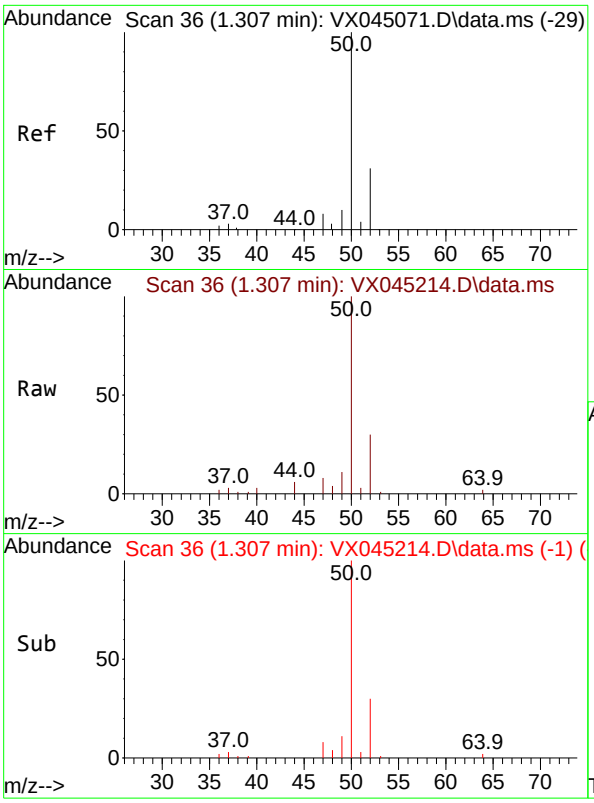


#2
Dichlorodifluoromethane
Concen: 19.462 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 85 Resp: 23221

Ion	Ratio	Lower	Upper
85	100		
87	31.0	17.4	52.3

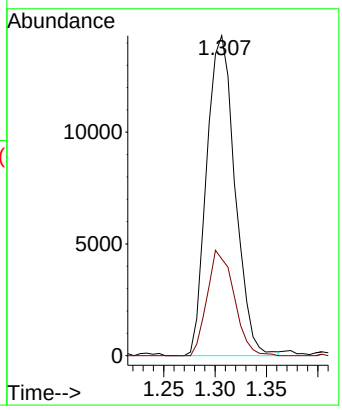




#3
Chloromethane
Concen: 18.832 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 50 Resp: 2749

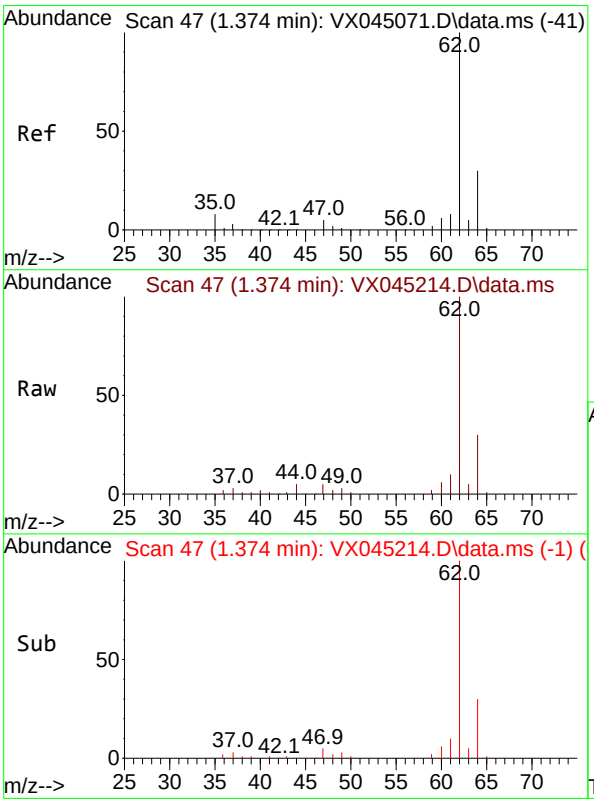
Ion	Ratio	Lower	Upper
50	100		
52	30.2	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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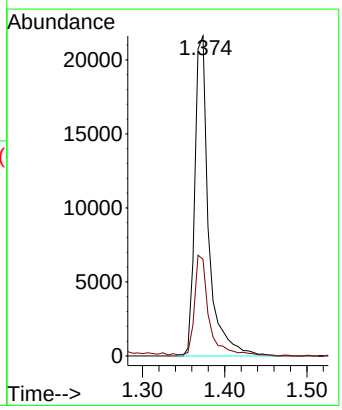
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

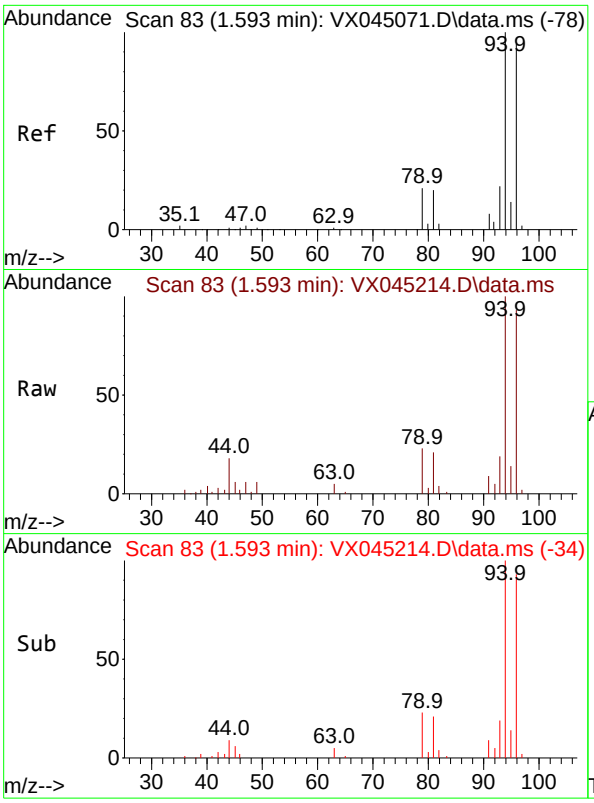


#4
Vinyl Chloride
Concen: 17.516 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 62 Resp: 25371

Ion	Ratio	Lower	Upper
62	100		
64	30.2	24.3	36.5





#5
Bromomethane
Concen: 18.900 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

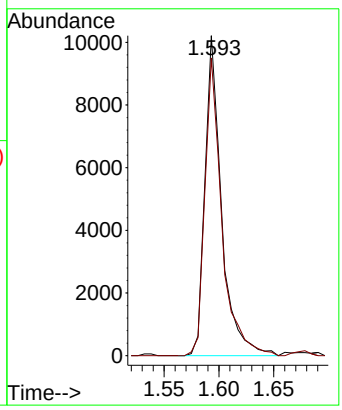
Tgt Ion: 94 Resp: 1076

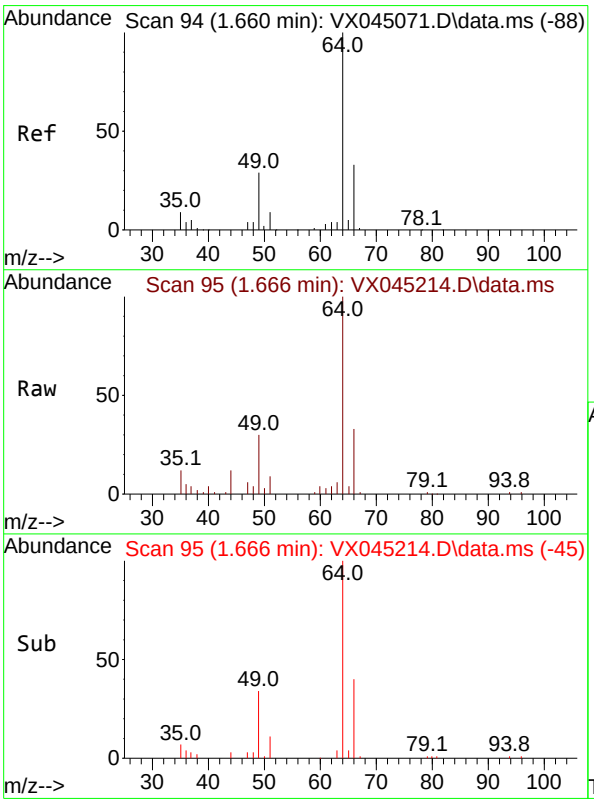
Ion	Ratio	Lower	Upper
94	100		
96	93.1	75.0	112.4

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

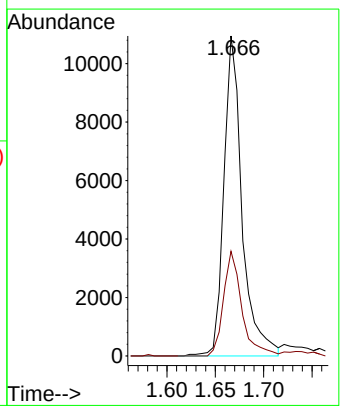


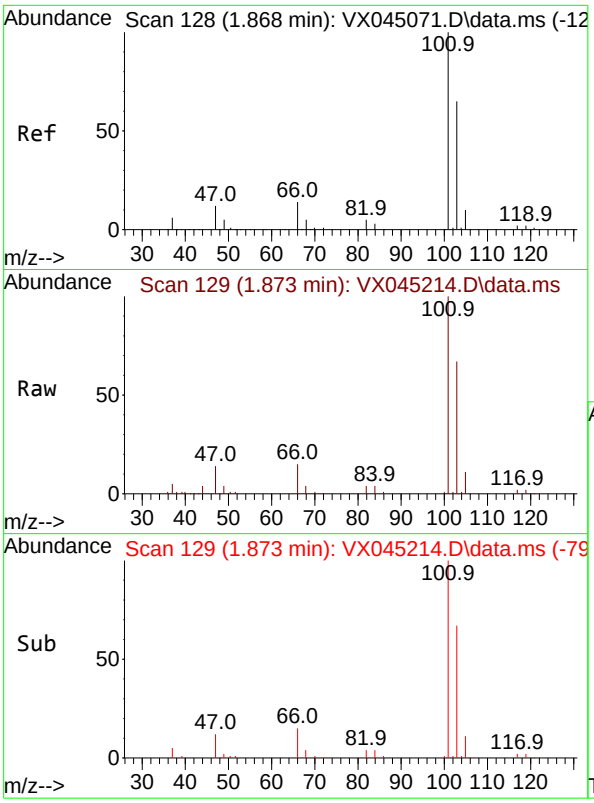


#6
Chloroethane
Concen: 21.385 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 64 Resp: 14288

Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.7	40.1

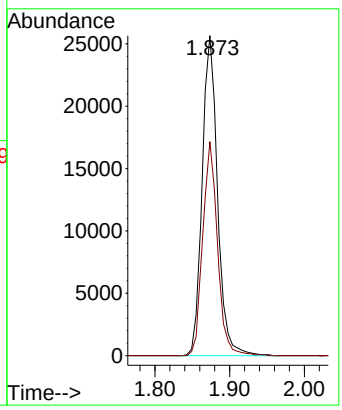




#7
Trichlorofluoromethane
Concen: 19.119 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:101 Resp: 3666

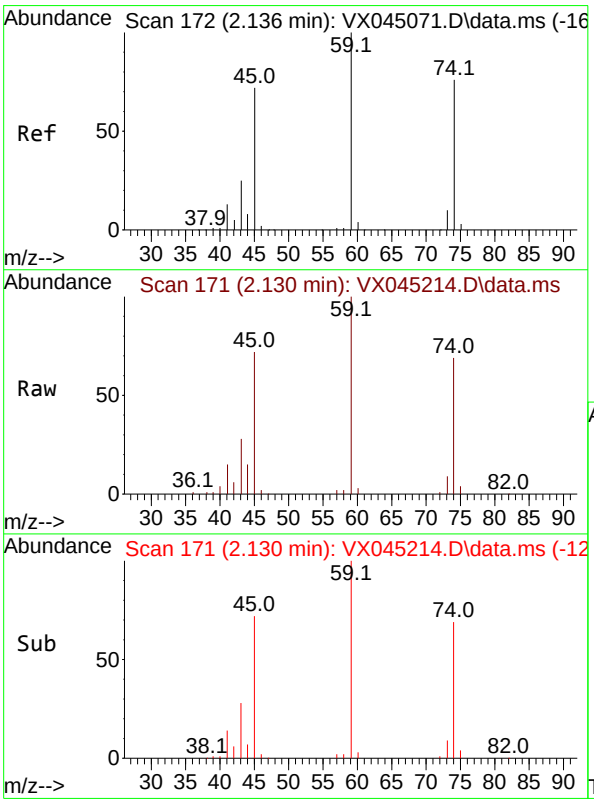
Ion	Ratio	Lower	Upper
101	100		
103	66.9	52.1	78.1



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

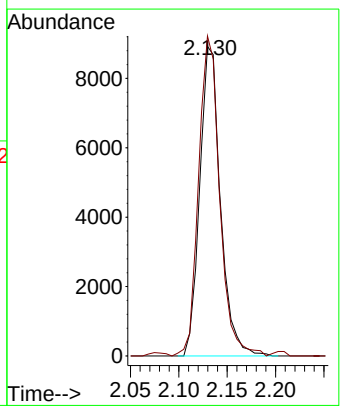
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

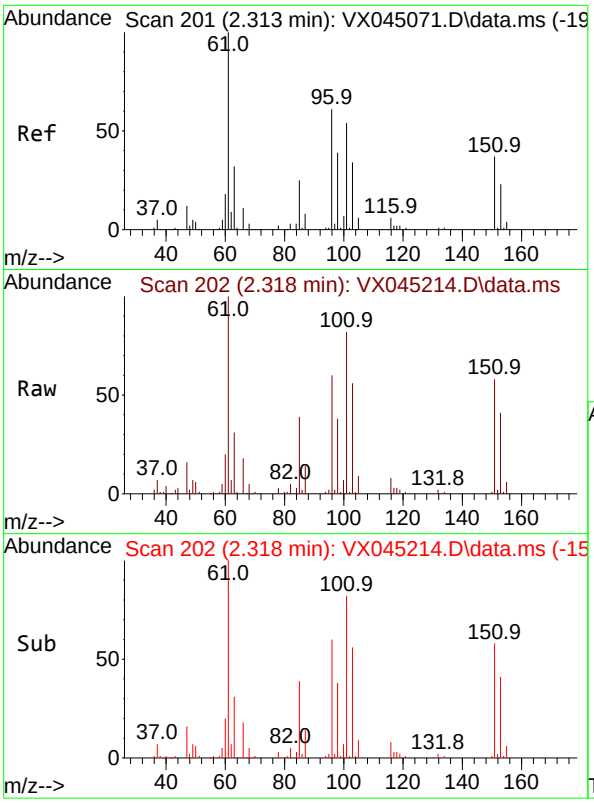


#8
Diethyl Ether
Concen: 17.781 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 74 Resp: 13336

Ion	Ratio	Lower	Upper
74	100		
45	104.8	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.844 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

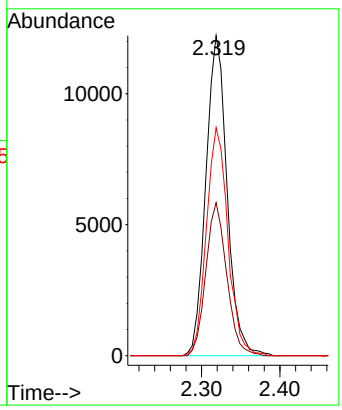
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ClientSampleId :
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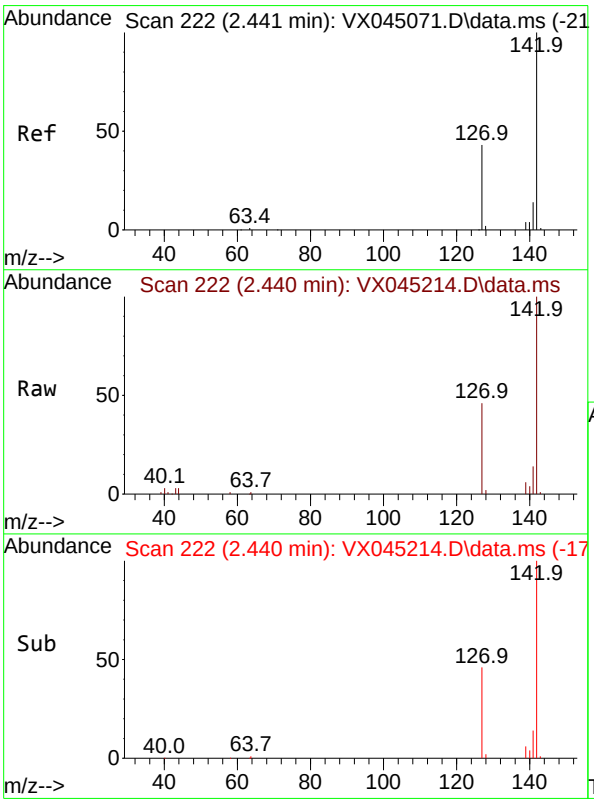
Tgt Ion:101 Resp: 2296

Ion	Ratio	Lower	Upper
101	100		
85	47.1	36.2	54.4
151	72.4	56.4	84.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

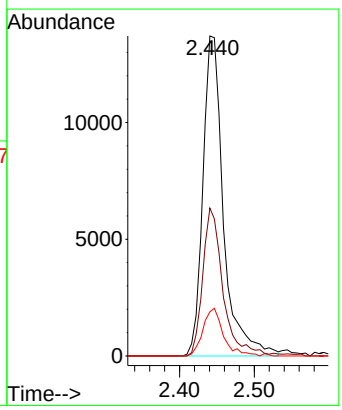


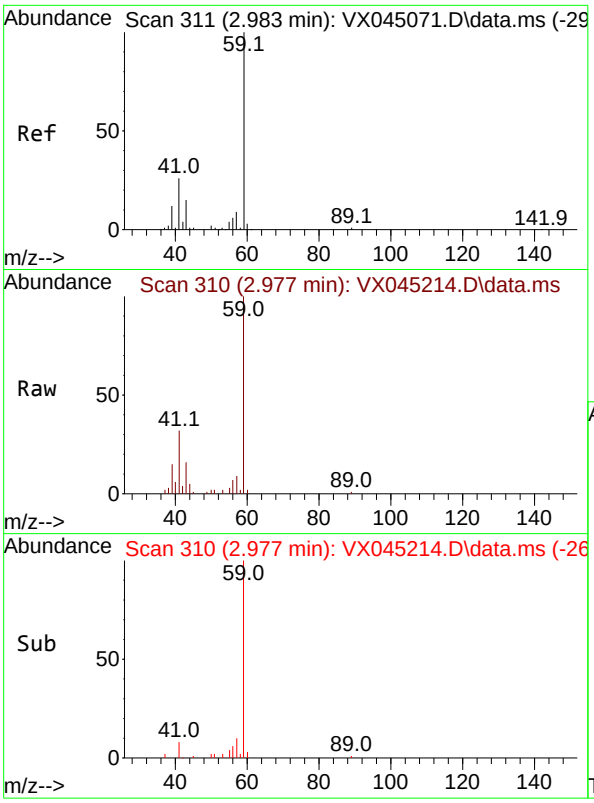


#10
Methyl Iodide
Concen: 19.060 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:142 Resp: 26241

Ion	Ratio	Lower	Upper
142	100		
127	45.6	35.4	53.2
141	14.7	11.6	17.4





#11
Tert butyl alcohol
Concen: 83.432 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

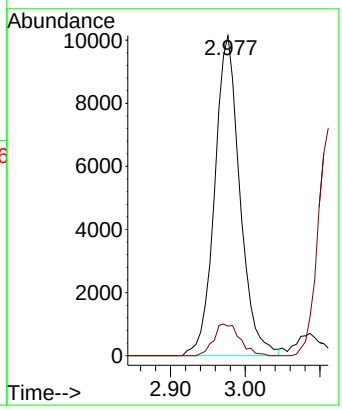
Tgt Ion: 59 Resp: 2382

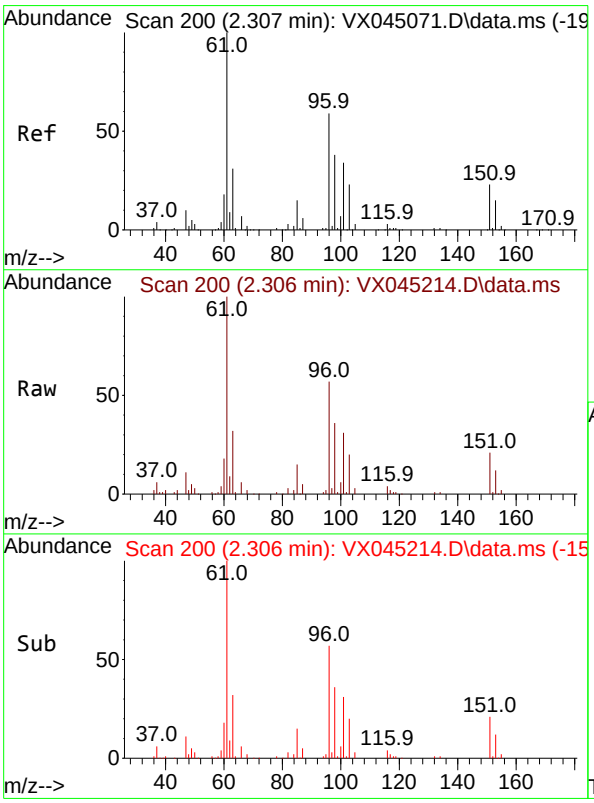
Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

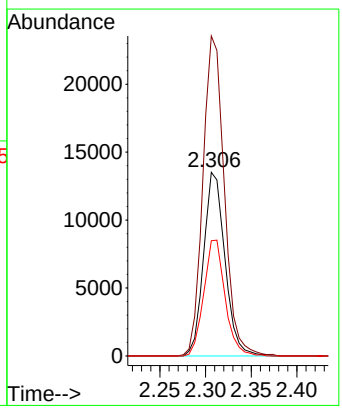


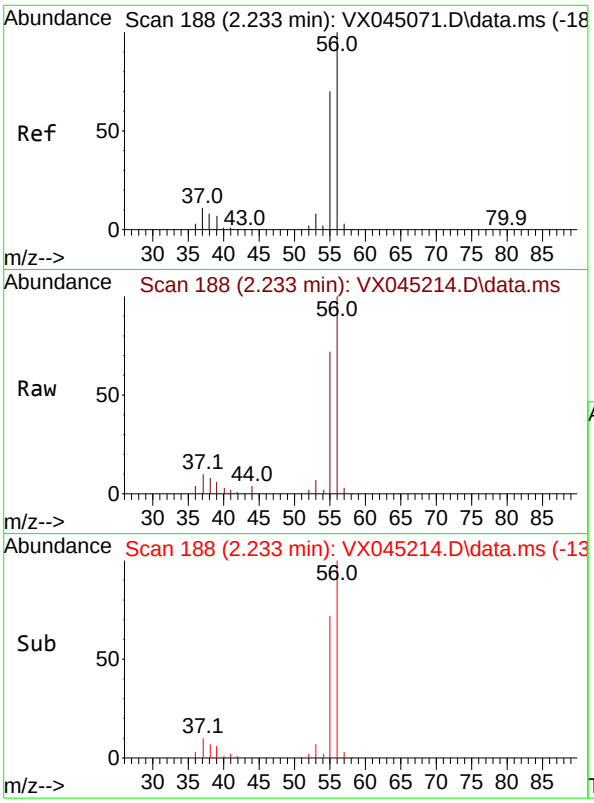


#12
1,1-Dichloroethene
Concen: 18.796 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 96 Resp: 21892

Ion	Ratio	Lower	Upper
96	100		
61	174.2	134.6	202.0
98	62.7	51.0	76.6

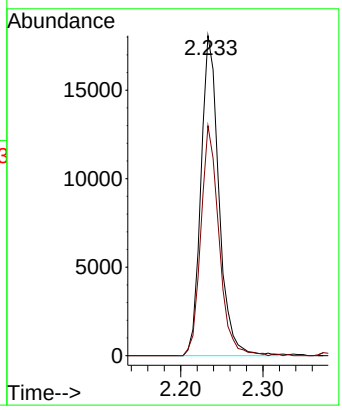




#13
Acrolein
Concen: 83.295 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 56 Resp: 2749

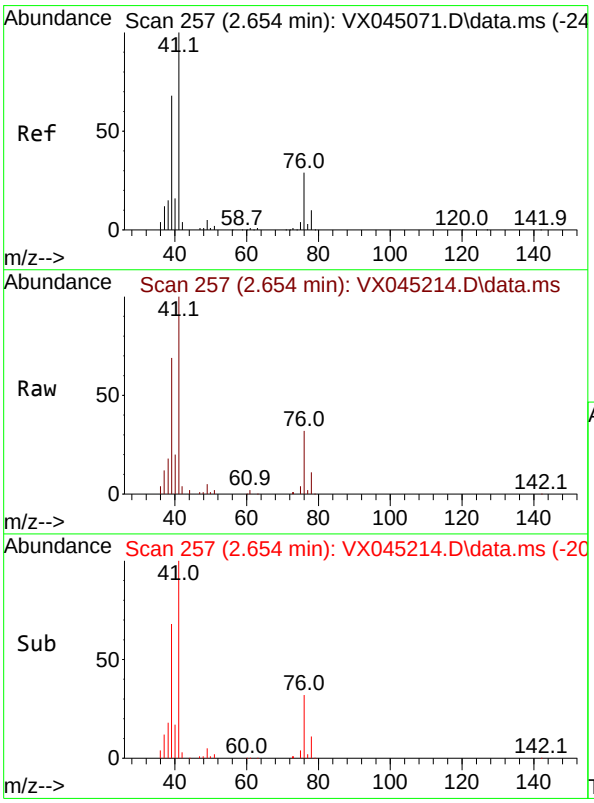
Ion	Ratio	Lower	Upper
56	100		
55	72.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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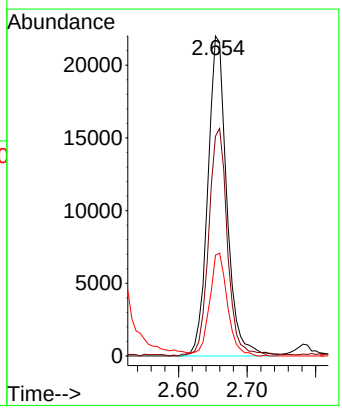
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

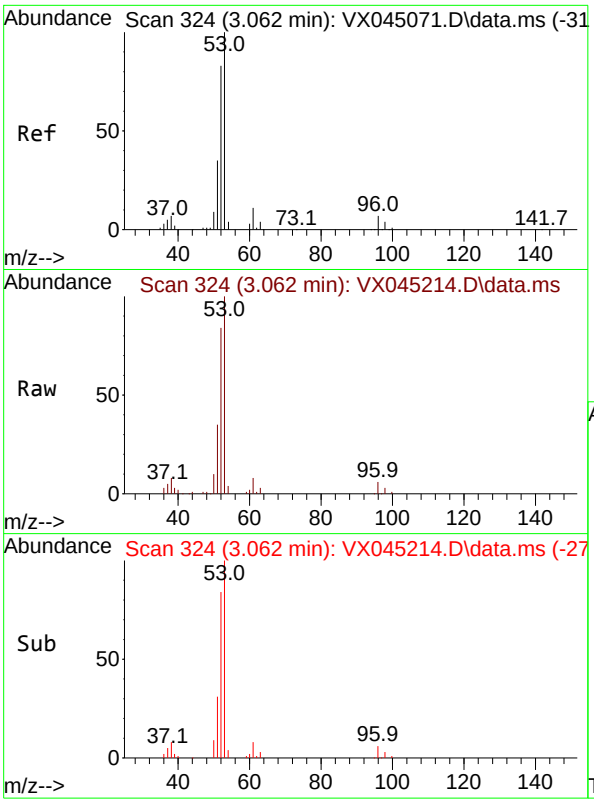


#14
Allyl chloride
Concen: 20.452 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 41 Resp: 42402

Ion	Ratio	Lower	Upper
41	100		
39	70.5	53.8	80.8
76	30.2	25.2	37.8





#15
Acrylonitrile
Concen: 100.359 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

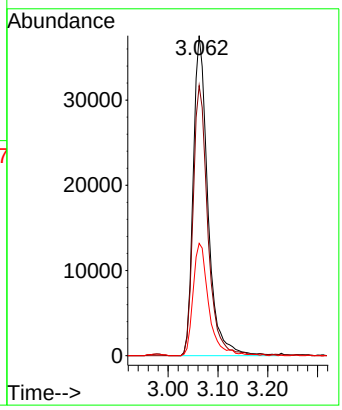
Tgt Ion: 53 Resp: 7681

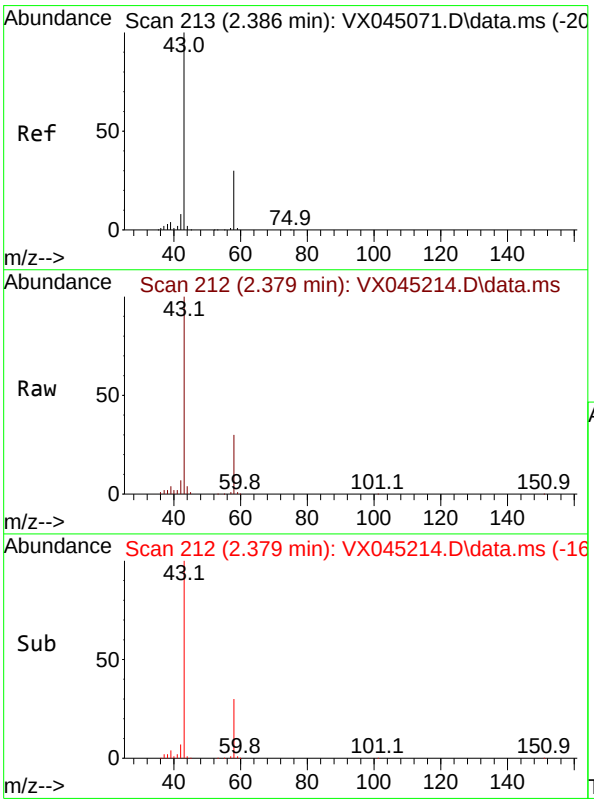
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.2	99.2
51	37.1	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

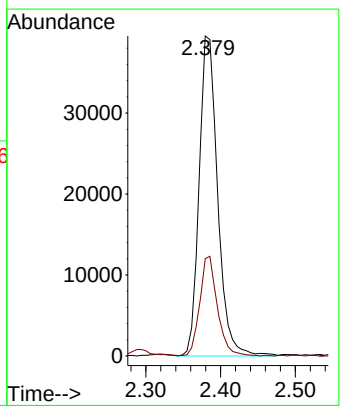


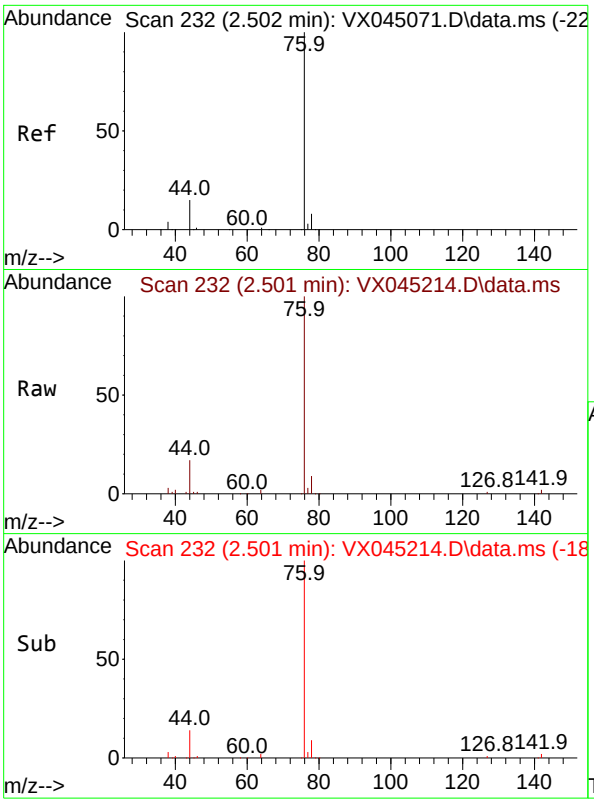


#16
Acetone
Concen: 97.239 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 43 Resp: 68022

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4

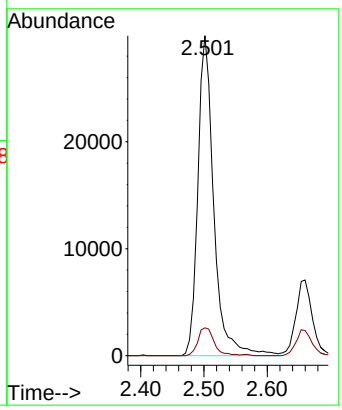




#17
Carbon Disulfide
Concen: 16.905 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 76 Resp: 5244

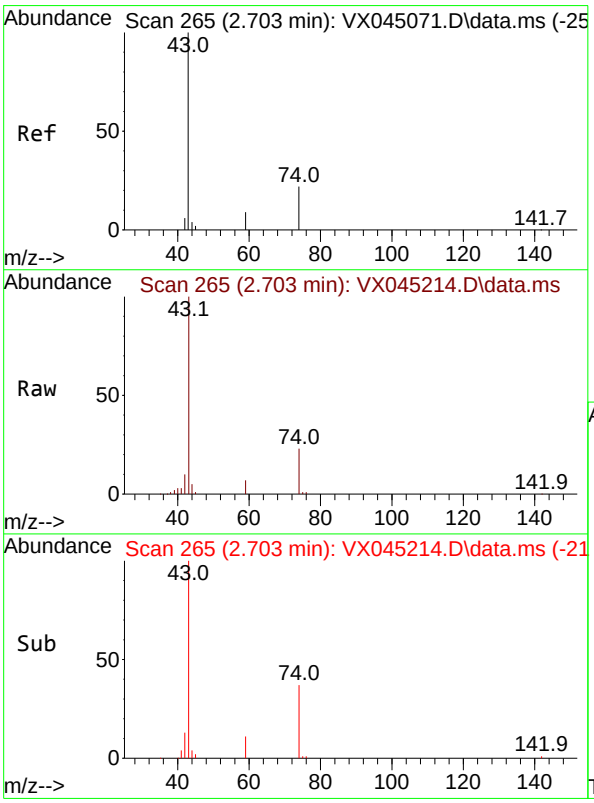
Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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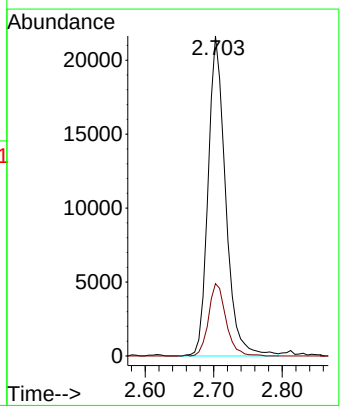
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

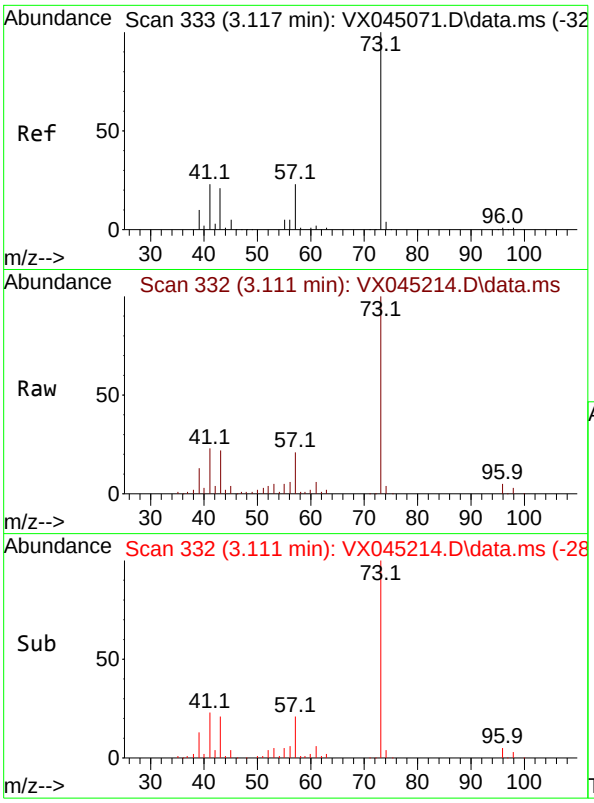


#18
Methyl Acetate
Concen: 22.822 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 43 Resp: 38406

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.4	26.2

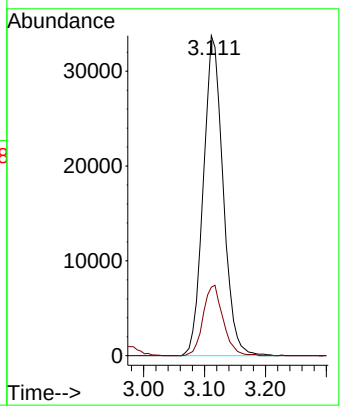




#19
Methyl tert-butyl Ether
Concen: 19.456 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 73 Resp: 7602

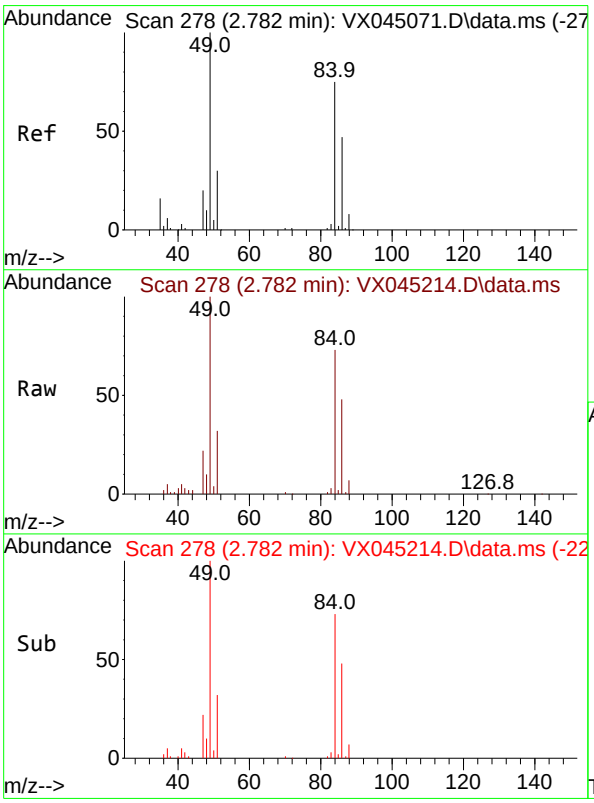
Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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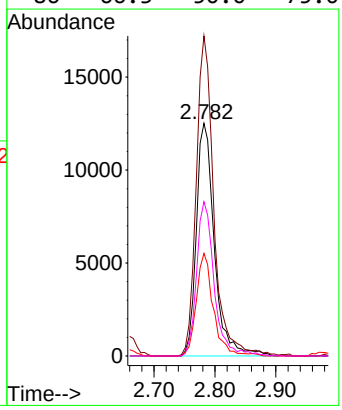
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

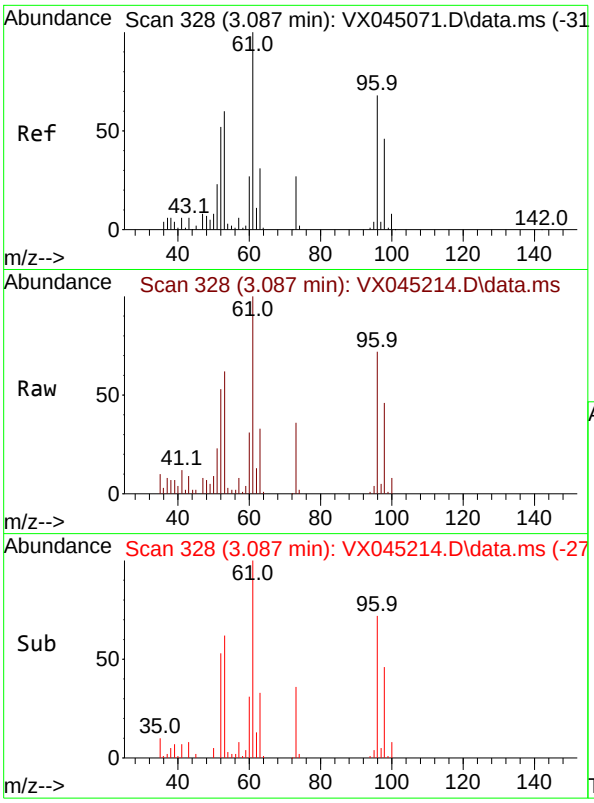


#20
Methylene Chloride
Concen: 18.551 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 84 Resp: 25706

Ion	Ratio	Lower	Upper
84	100		
49	137.6	106.5	159.7
51	44.1	32.1	48.1
86	66.3	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 19.449 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

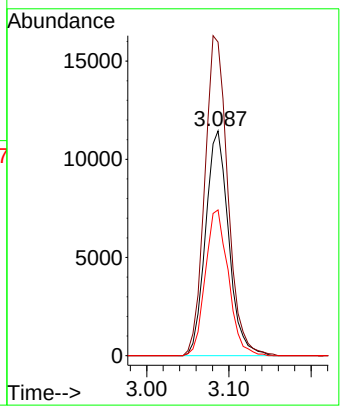
Tgt Ion: 96 Resp: 2237

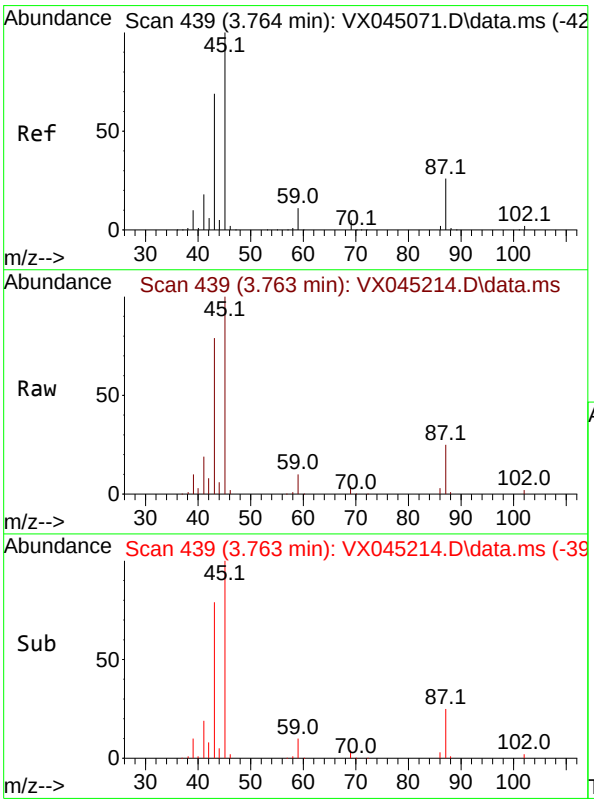
Ion	Ratio	Lower	Upper
96	100		
61	139.5	117.0	175.4
98	64.8	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

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Reviewed By :John Carlone 03/12/2025
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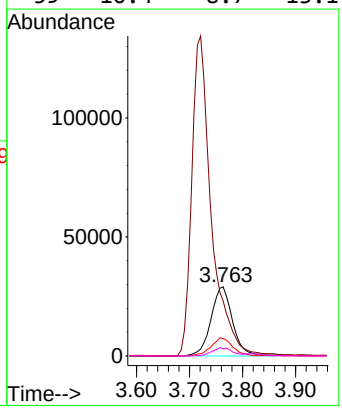


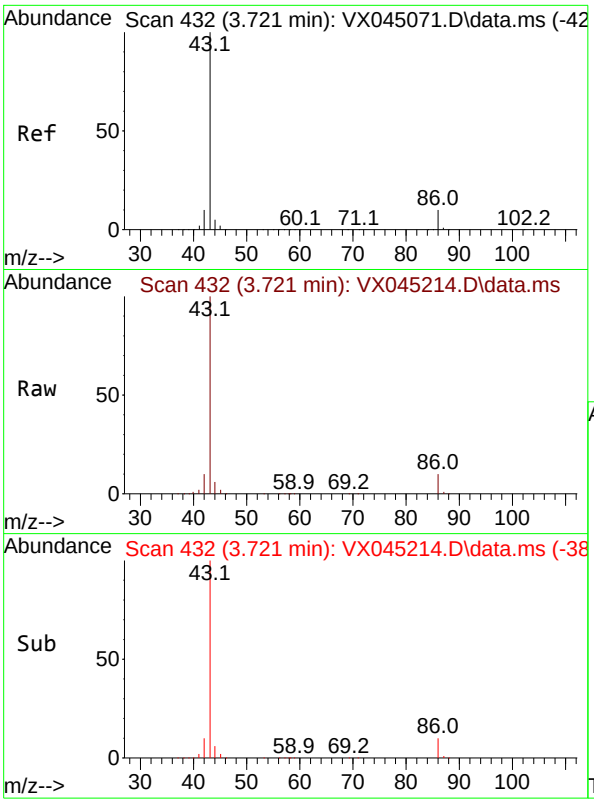


#22
Diisopropyl ether
Concen: 19.501 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 45 Resp: 82227

Ion	Ratio	Lower	Upper
45	100		
43	78.2	54.9	82.3
87	25.1	21.0	31.4
59	10.4	8.7	13.1





#23
Vinyl Acetate
Concen: 98.664 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

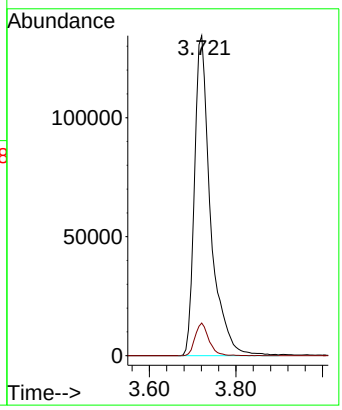
Tgt Ion: 43 Resp: 34717

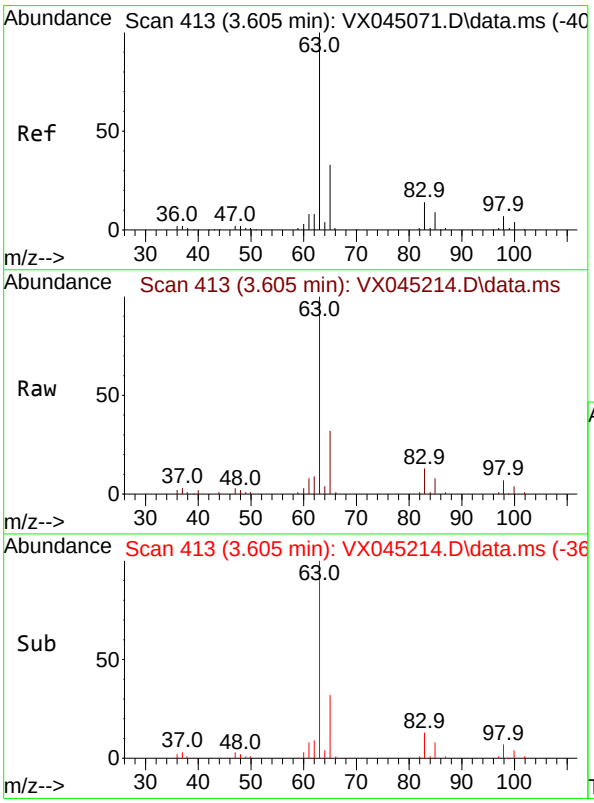
Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

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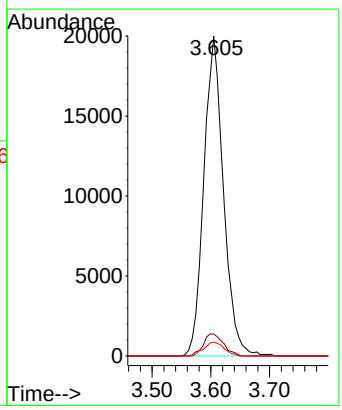


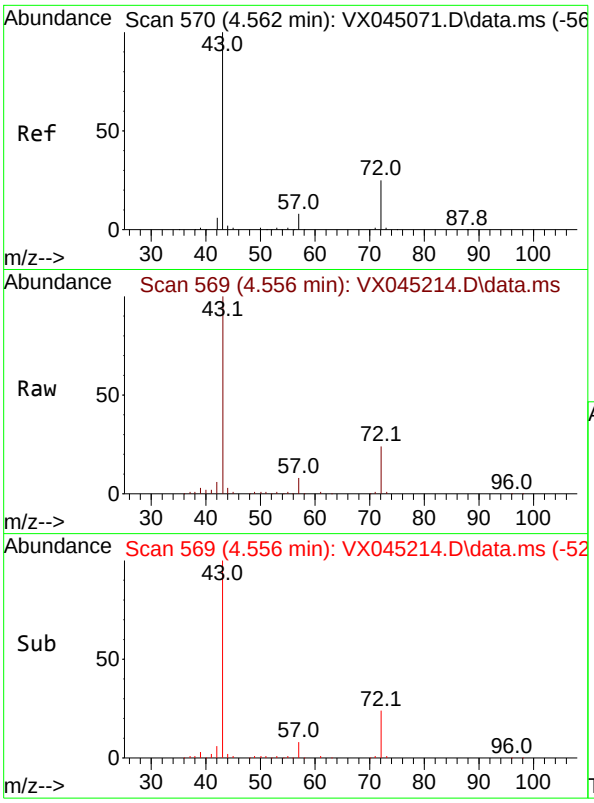


#24
1,1-Dichloroethane
Concen: 19.636 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 63 Resp: 46401

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.2
100	4.4	2.1	6.5





#25
2-Butanone
Concen: 103.036 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

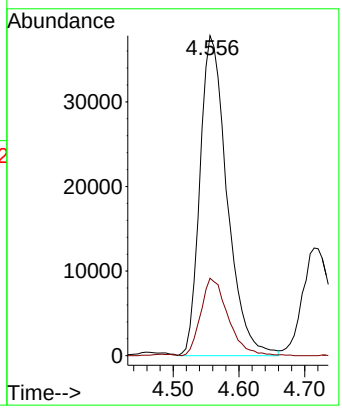
Tgt Ion: 43 Resp: 10849

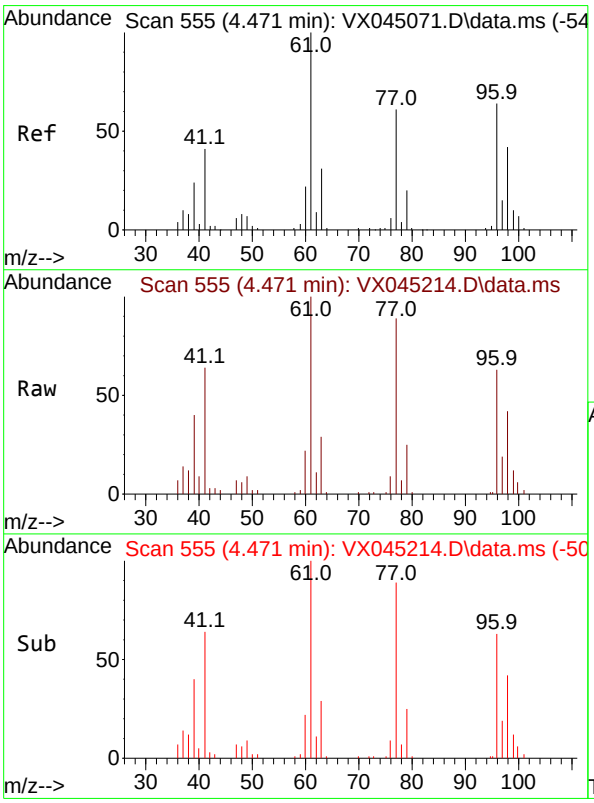
Ion	Ratio	Lower	Upper
43	100		
72	24.0	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

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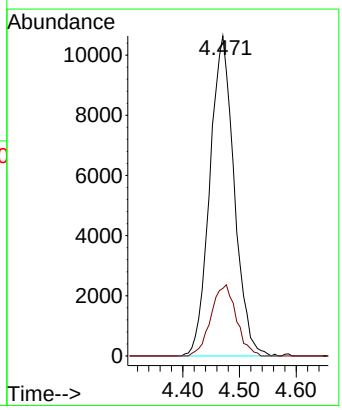


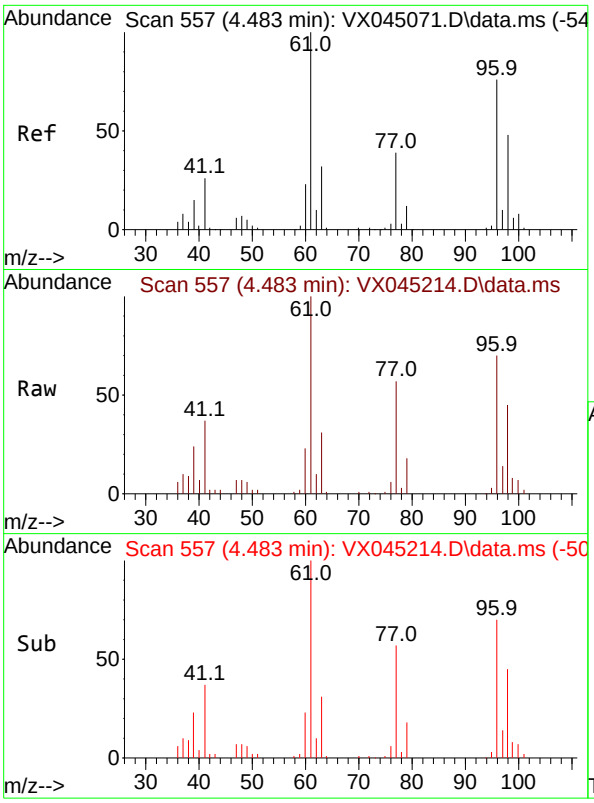


#26
2,2-Dichloropropane
Concen: 28.640 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 77 Resp: 31745

Ion	Ratio	Lower	Upper
77	100		
97	23.1	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 19.233 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

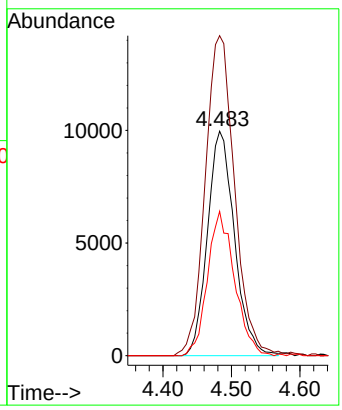
Tgt Ion: 96 Resp: 2731

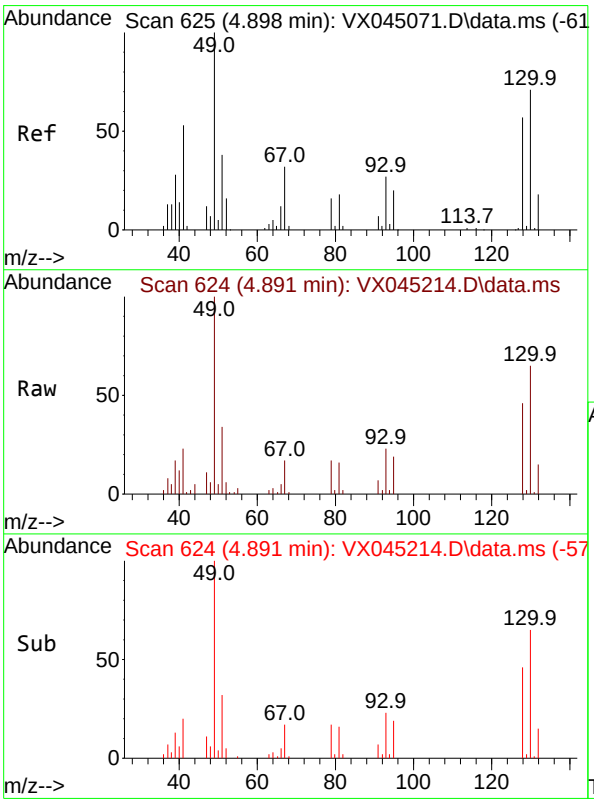
Ion	Ratio	Lower	Upper
96	100		
61	154.7	0.0	283.2
98	64.3	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

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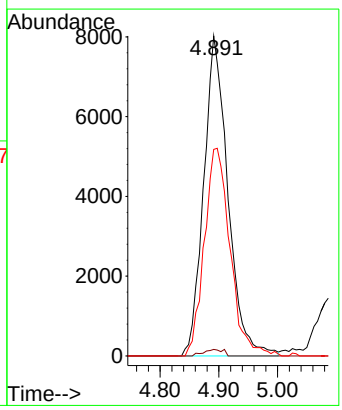


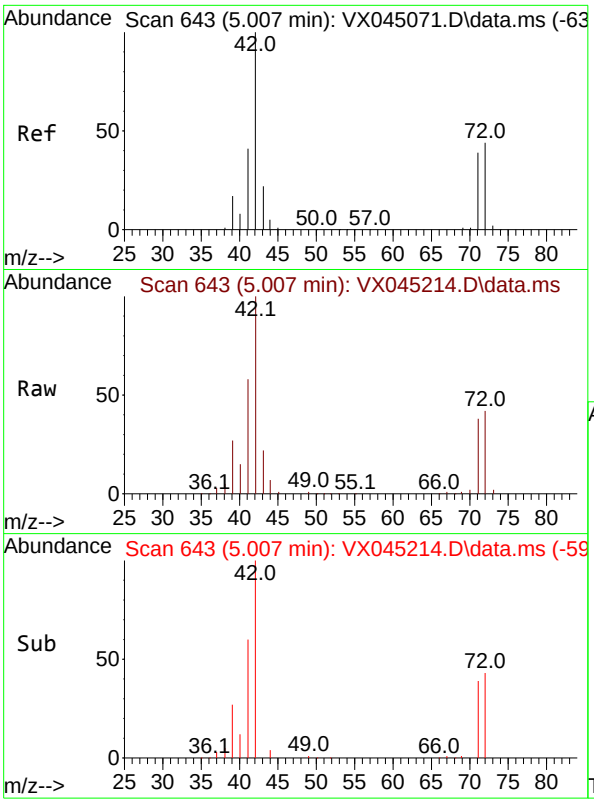


#28
Bromochloromethane
Concen: 20.441 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 49 Resp: 23024

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.8	56.1	84.1





#29
Tetrahydrofuran
Concen: 98.728 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

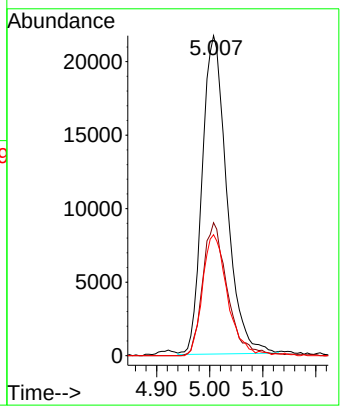
Tgt Ion: 42 Resp: 6981

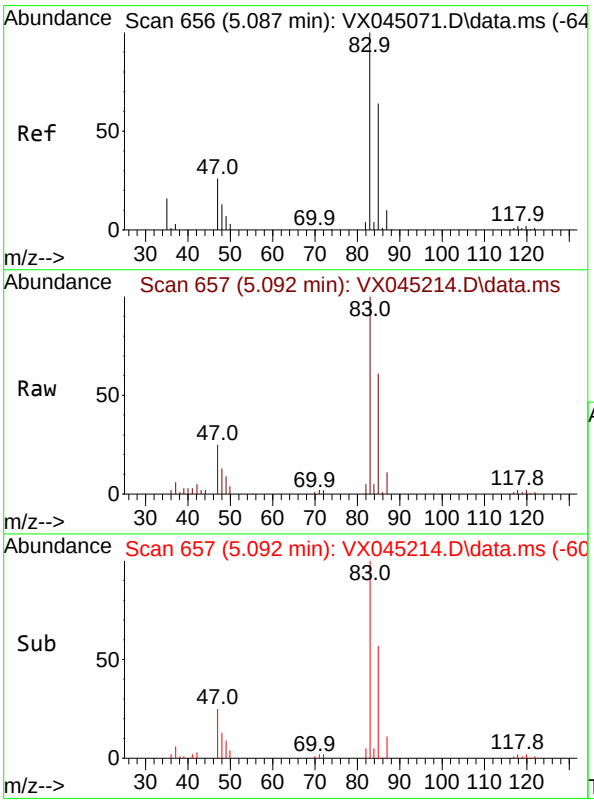
Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.7	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

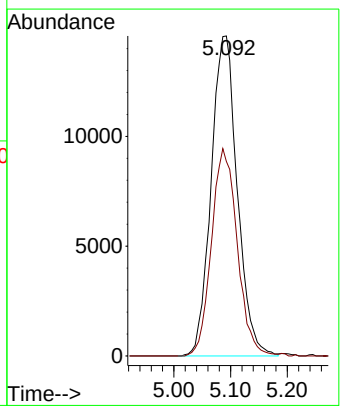


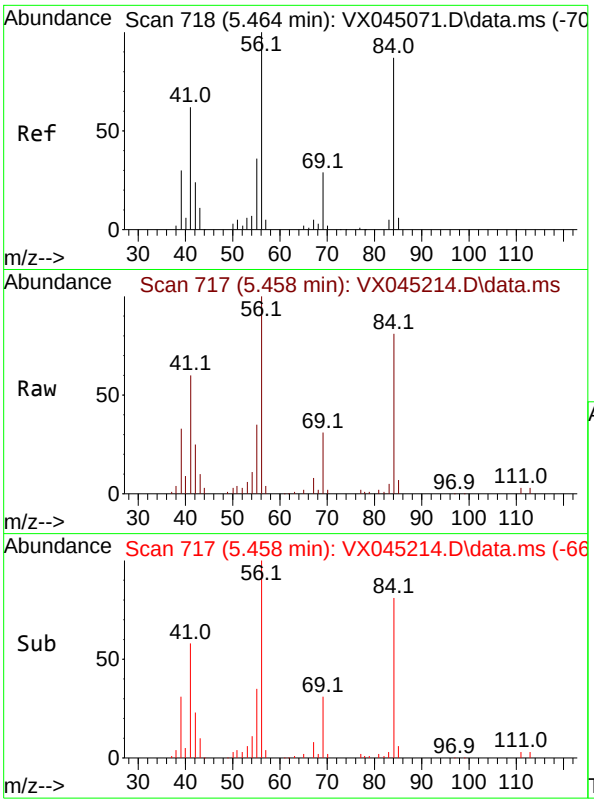


#30
Chloroform
Concen: 19.880 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 83 Resp: 46678

Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.4	77.2





#31
Cyclohexane
Concen: 19.670 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

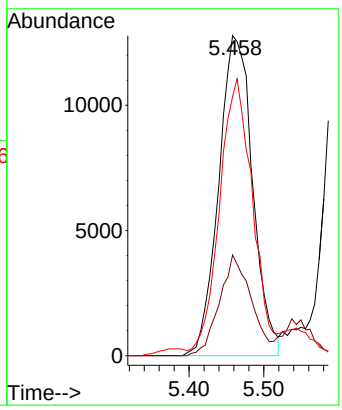
Tgt Ion: 56 Resp: 4034

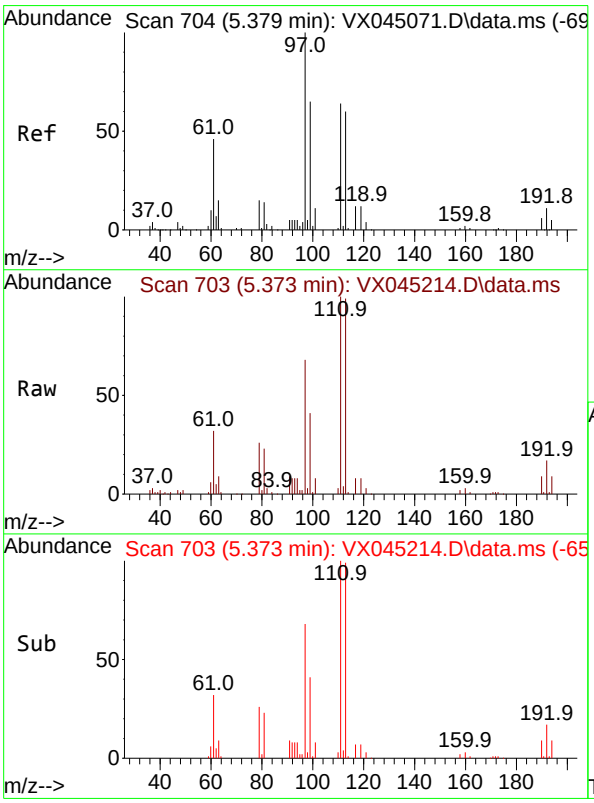
Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.4	35.2
84	78.8	69.4	104.2

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

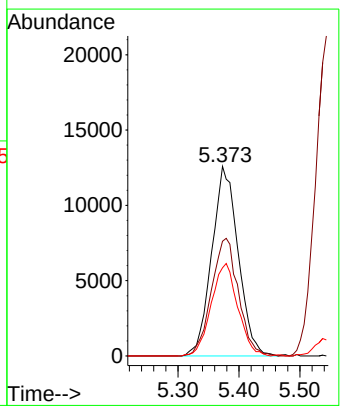


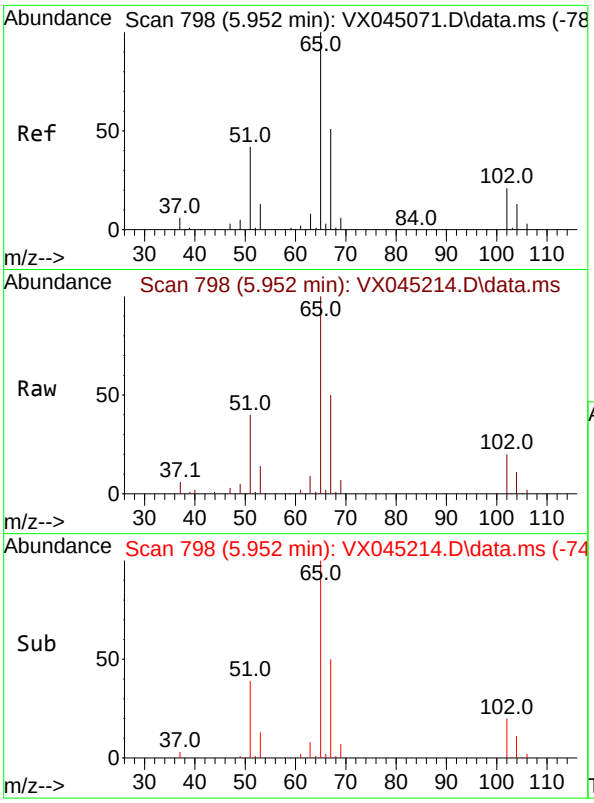


#32
1,1,1-Trichloroethane
Concen: 19.990 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 97 Resp: 37908

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.6	77.4
61	49.1	38.4	57.6





#33
1,2-Dichloroethane-d4
Concen: 52.022 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

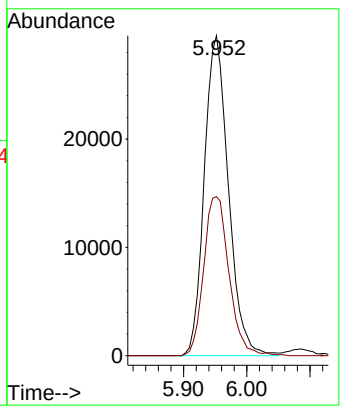
Tgt Ion: 65 Resp: 7843

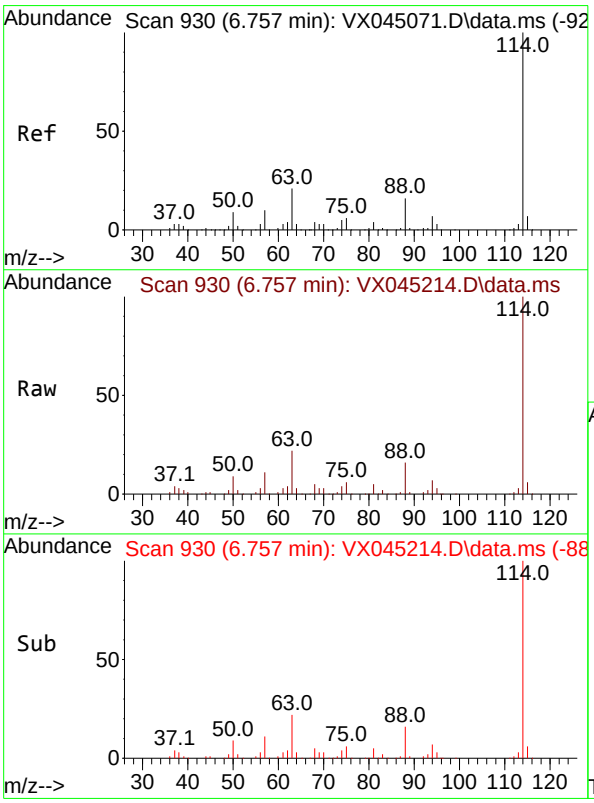
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	106.2

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

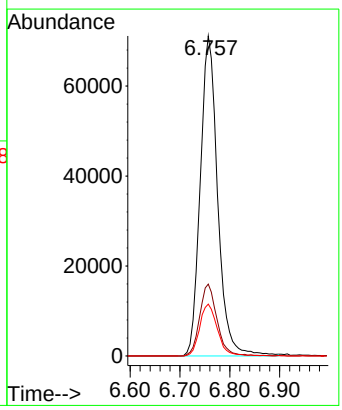


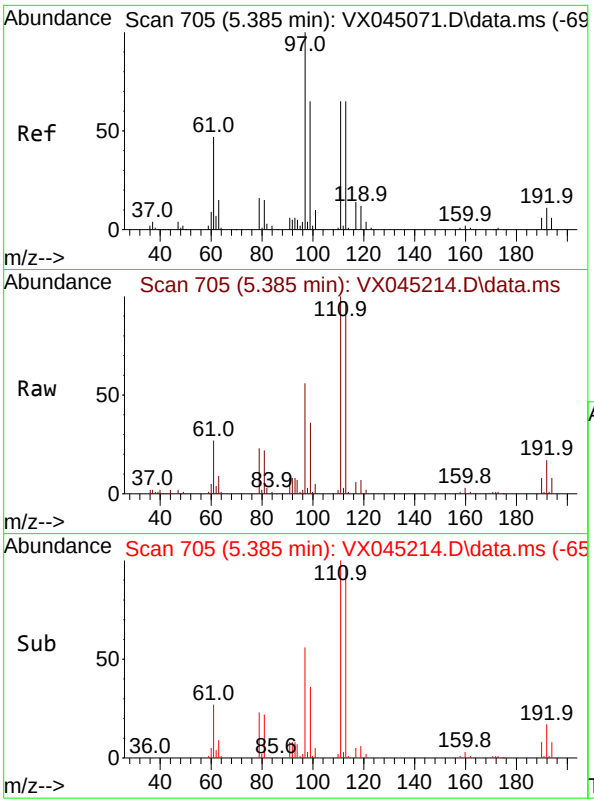


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:114 Resp: 172566

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	16.2	0.0	32.8

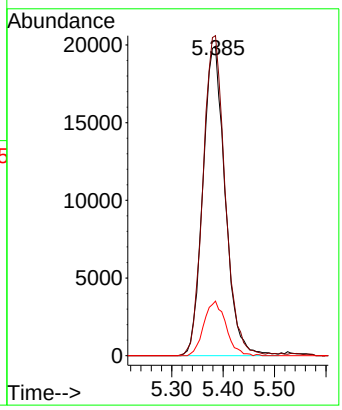




#35
Dibromofluoromethane
Concen: 51.847 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:113 Resp: 5982

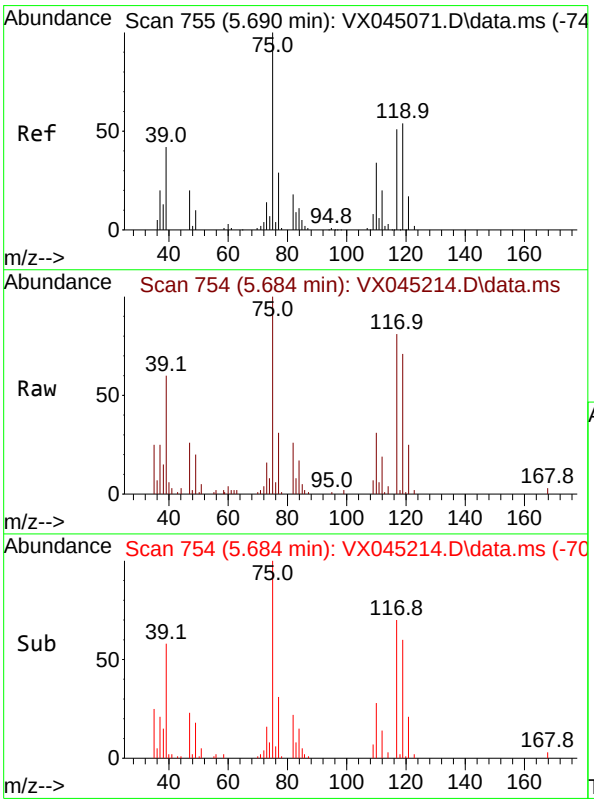
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	17.4	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

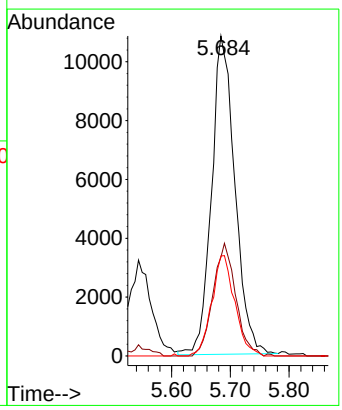
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

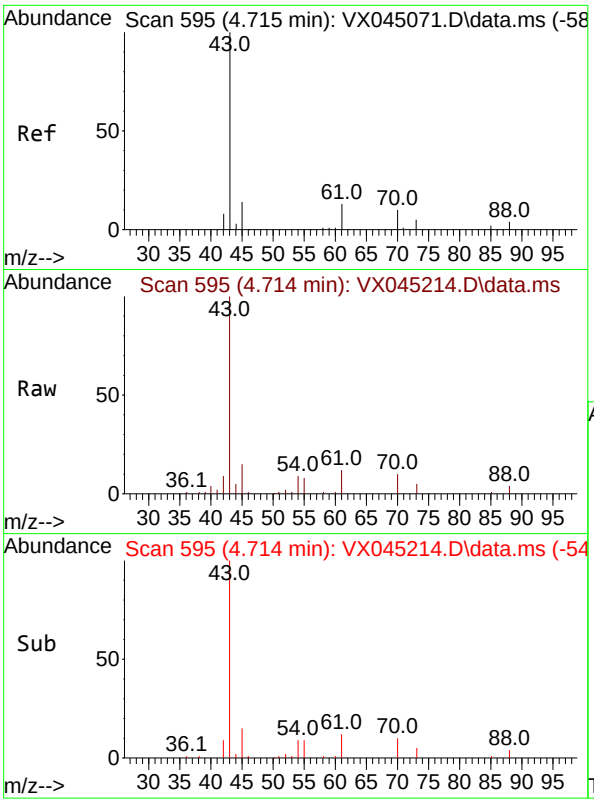


#36
1,1-Dichloropropene
Concen: 18.899 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 75 Resp: 29907

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	31.1	24.5	36.7

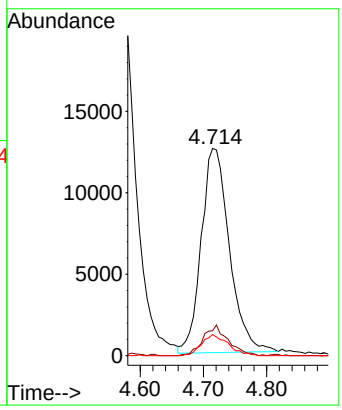




#37
Ethyl Acetate
Concen: 19.054 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 43 Resp: 3885

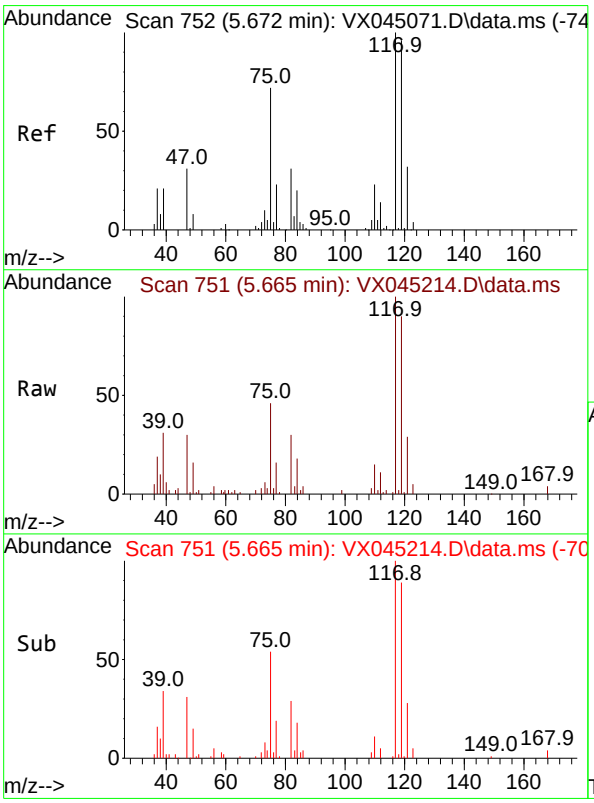
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	9.7	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

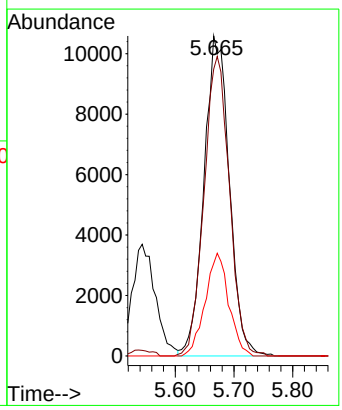
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

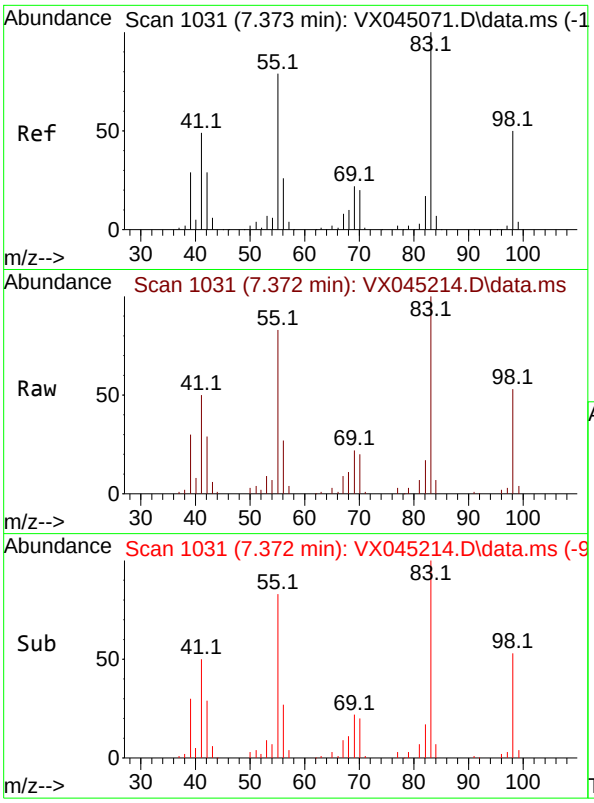


#38
Carbon Tetrachloride
Concen: 19.746 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:117 Resp: 31723

Ion	Ratio	Lower	Upper
117	100		
119	89.6	76.7	115.1
121	28.9	25.5	38.3

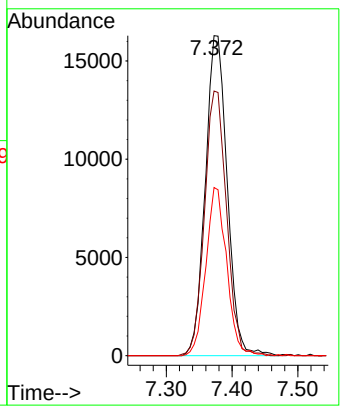




#39
Methylcyclohexane
Concen: 19.935 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 83 Resp: 3780

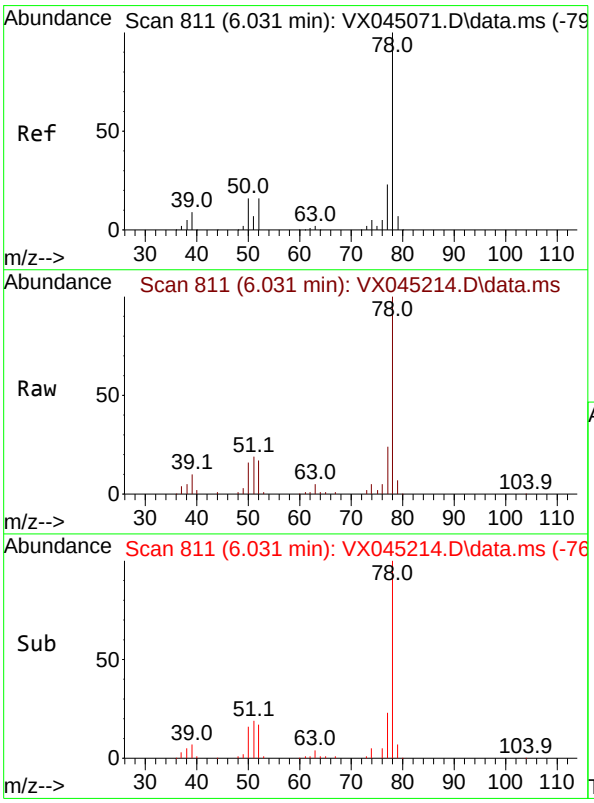
Ion	Ratio	Lower	Upper
83	100		
55	82.7	63.0	94.4
98	52.6	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

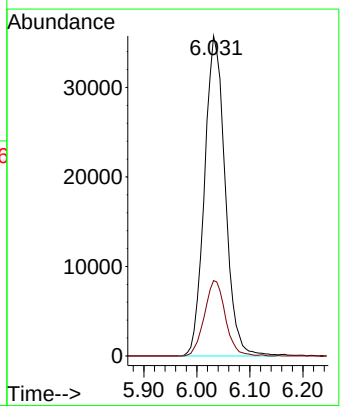
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

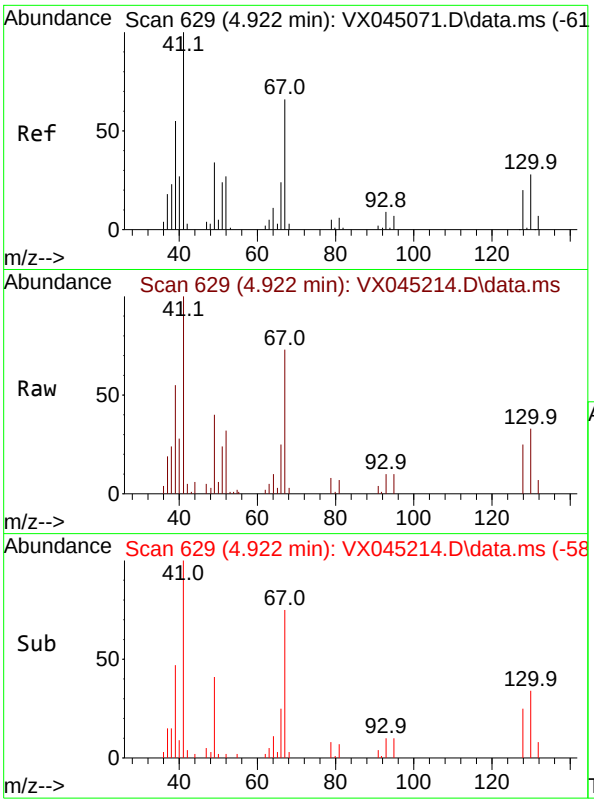


#40
Benzene
Concen: 19.364 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 78 Resp: 96762

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

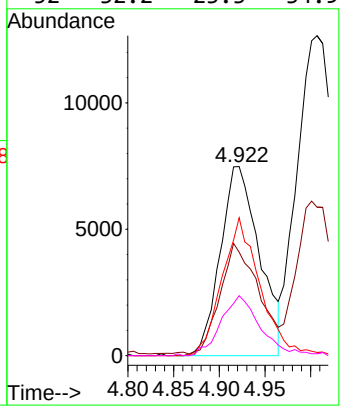




#41
Methacrylonitrile
Concen: 20.240 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 41 Resp: 2231

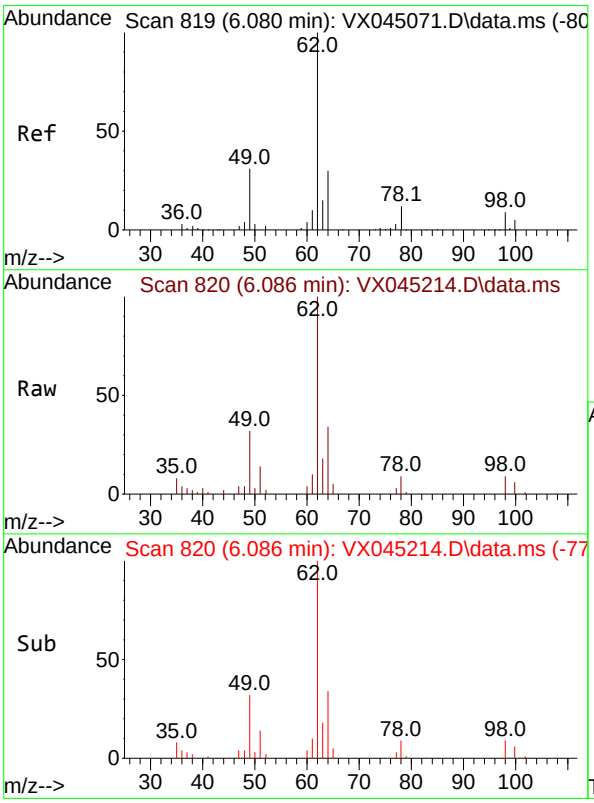
Ion	Ratio	Lower	Upper
41	100		
39	57.4	44.6	67.0
67	71.1	53.9	80.9
52	32.2	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

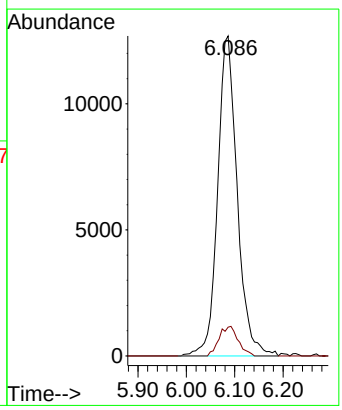
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

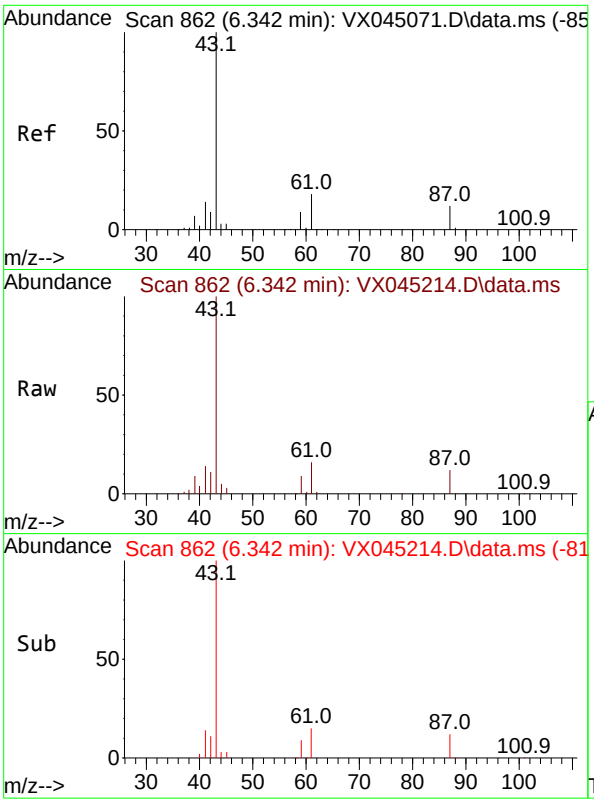


#42
1,2-Dichloroethane
Concen: 19.836 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 62 Resp: 35693

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2

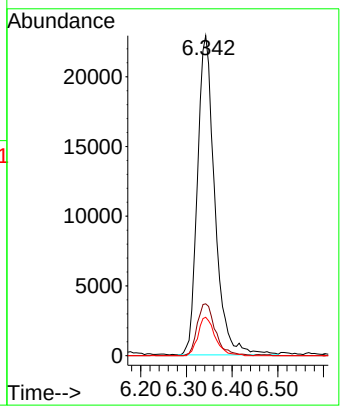




#43
Isopropyl Acetate
Concen: 20.011 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 43 Resp: 6033

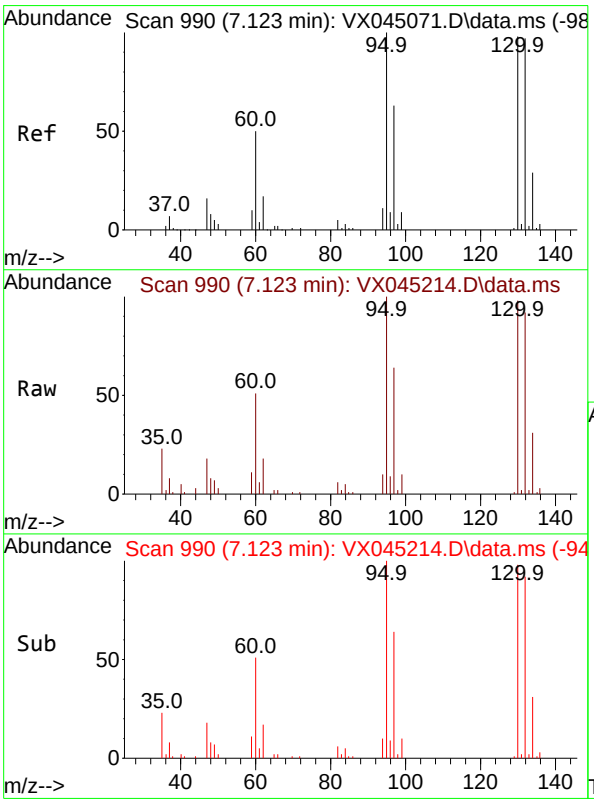
Ion	Ratio	Lower	Upper
43	100		
61	17.1	14.9	22.3
87	12.0	9.4	14.2



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

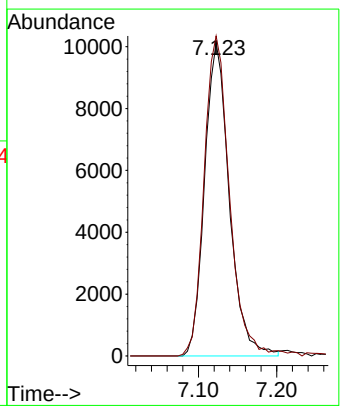
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

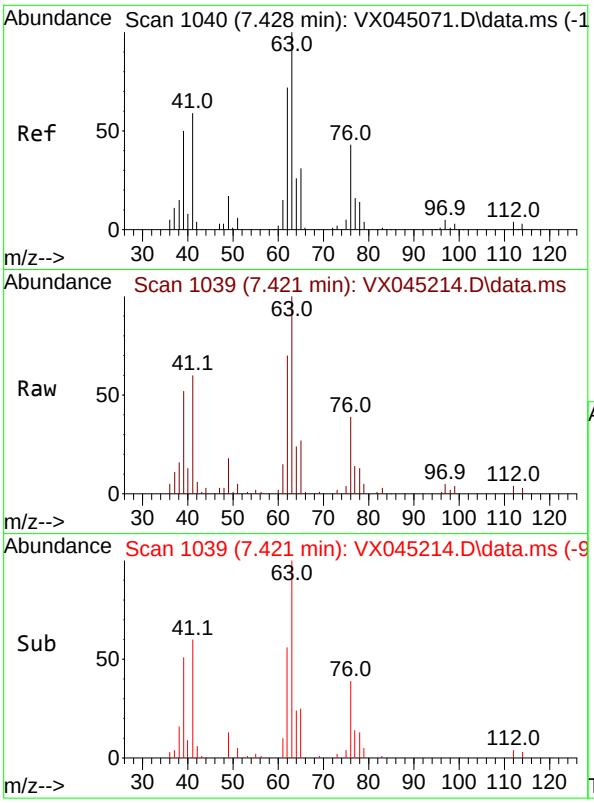


#44
Trichloroethene
Concen: 18.944 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:130 Resp: 22228

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	205.0

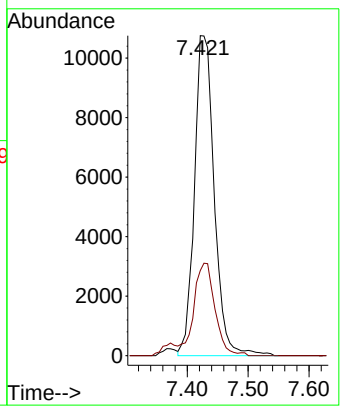




#45
1,2-Dichloropropane
Concen: 18.936 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 63 Resp: 2432

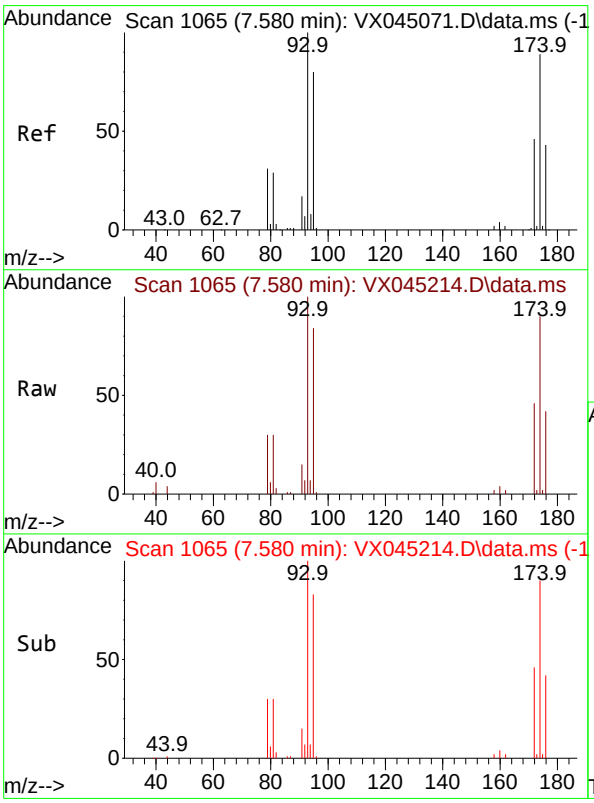
Ion	Ratio	Lower	Upper
63	100		
65	26.6	24.7	37.1



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

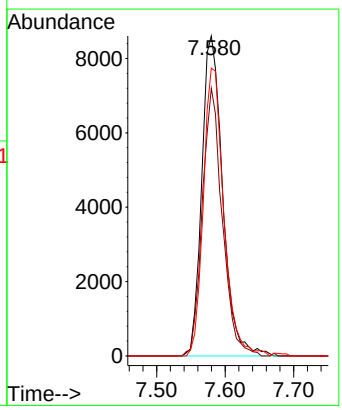
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

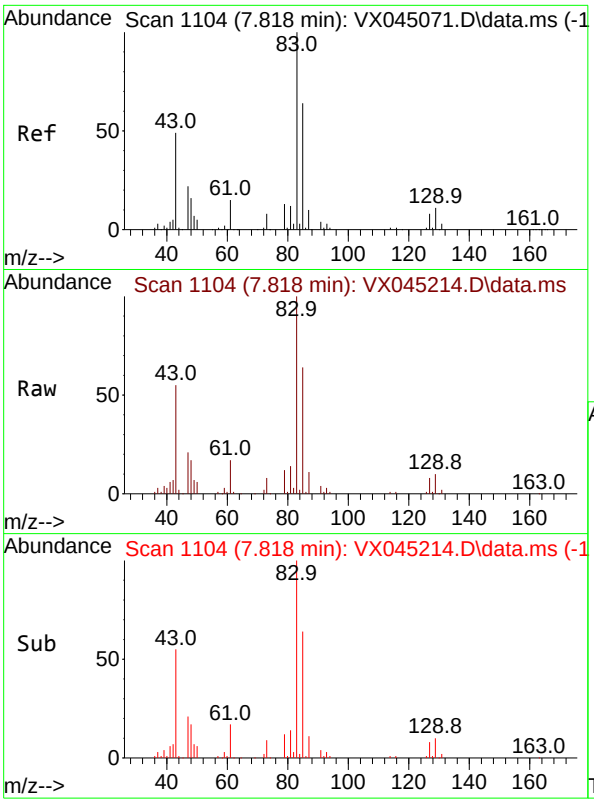


#46
Dibromomethane
Concen: 20.132 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 93 Resp: 18282

Ion	Ratio	Lower	Upper
93	100		
95	79.8	65.8	98.8
174	87.9	72.2	108.2

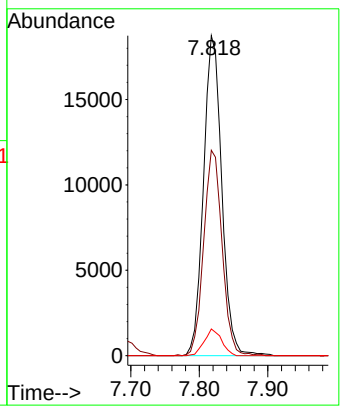




#47
Bromodichloromethane
Concen: 19.571 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 83 Resp: 3486

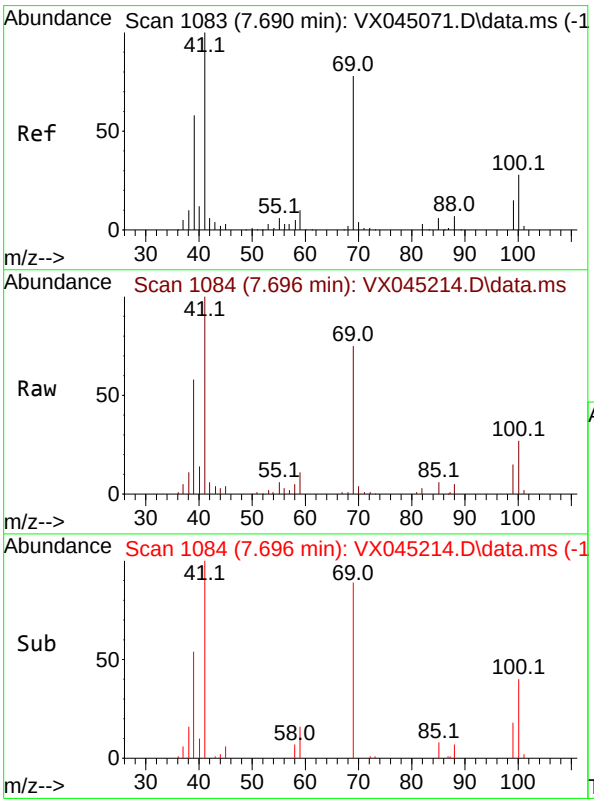
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.1	76.7
127	8.3	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

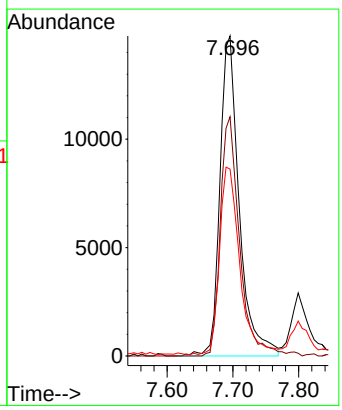
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

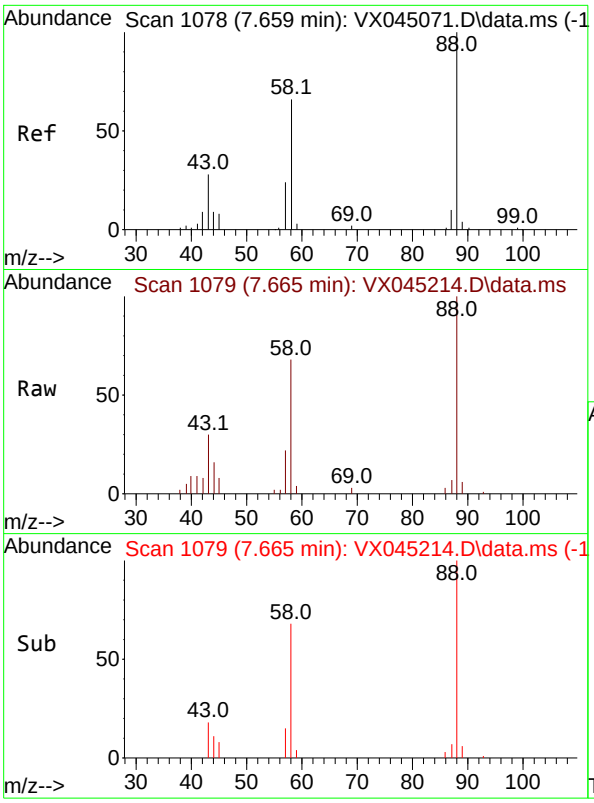


#48
Methyl methacrylate
Concen: 19.905 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 41 Resp: 30110

Ion	Ratio	Lower	Upper
41	100		
69	73.9	63.0	94.6
39	61.1	47.5	71.3

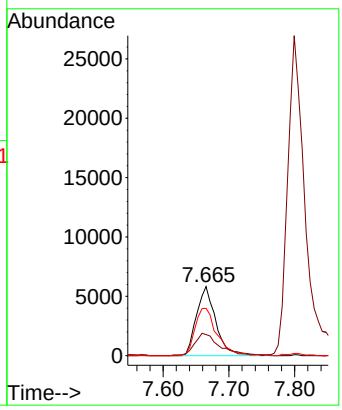




#49
1,4-Dioxane
Concen: 376.974 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 88 Resp: 1202

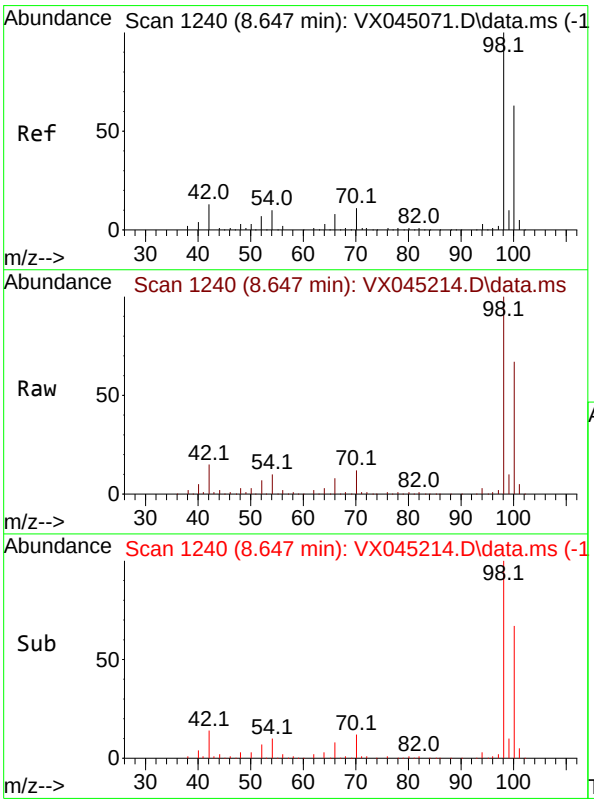
Ion	Ratio	Lower	Upper
88	100		
43	40.5	28.7	43.1
58	76.0	55.8	83.8



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

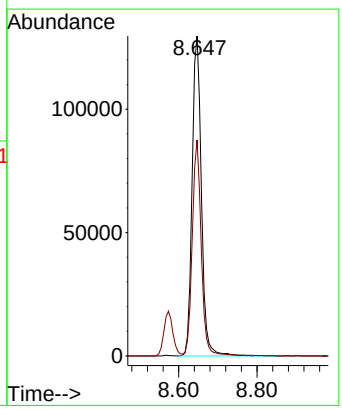
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

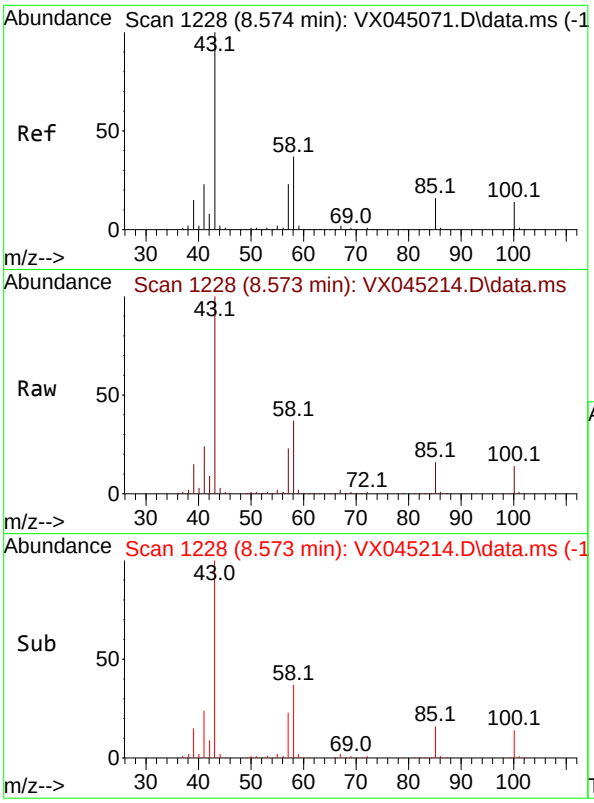


#50
Toluene-d8
Concen: 51.200 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 98 Resp: 214187

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 105.932 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

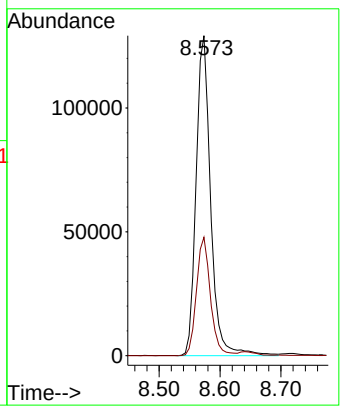
Tgt Ion: 43 Resp: 21446

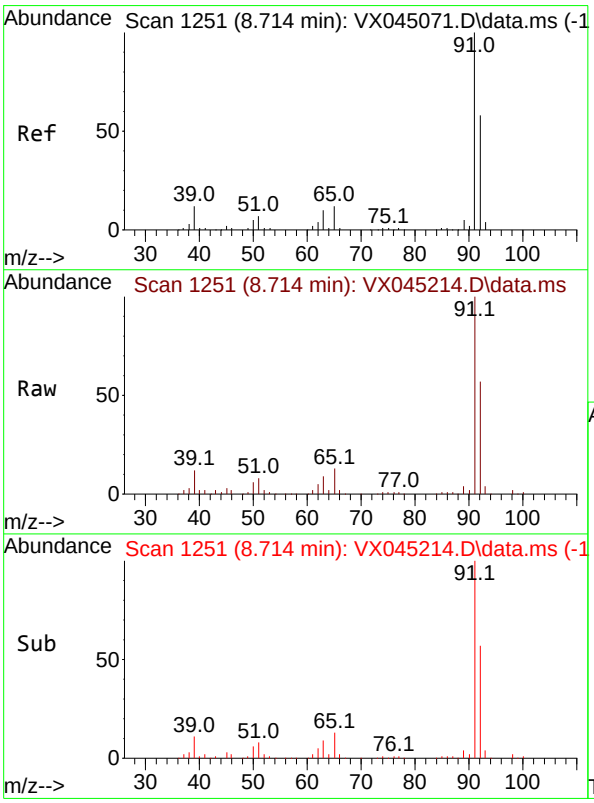
Ion	Ratio	Lower	Upper
43	100		
58	35.7	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

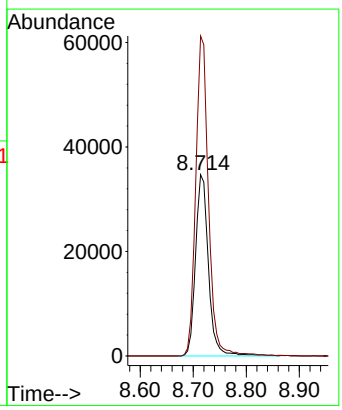


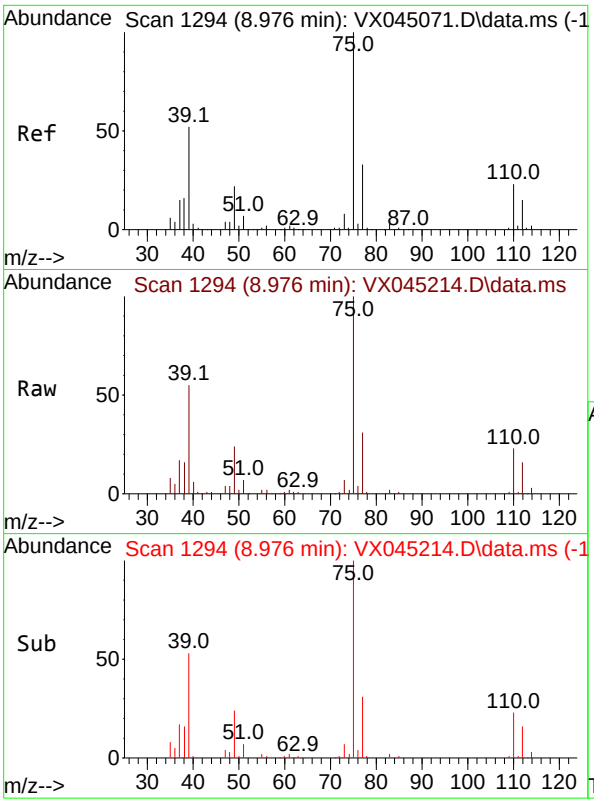


#52
Toluene
Concen: 20.030 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 92 Resp: 58726

Ion	Ratio	Lower	Upper
92	100		
91	174.6	138.9	208.3

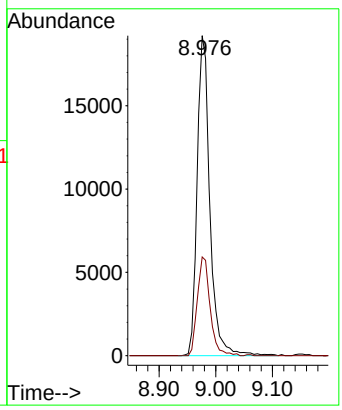




#53
t-1,3-Dichloropropene
Concen: 20.021 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 75 Resp: 2981

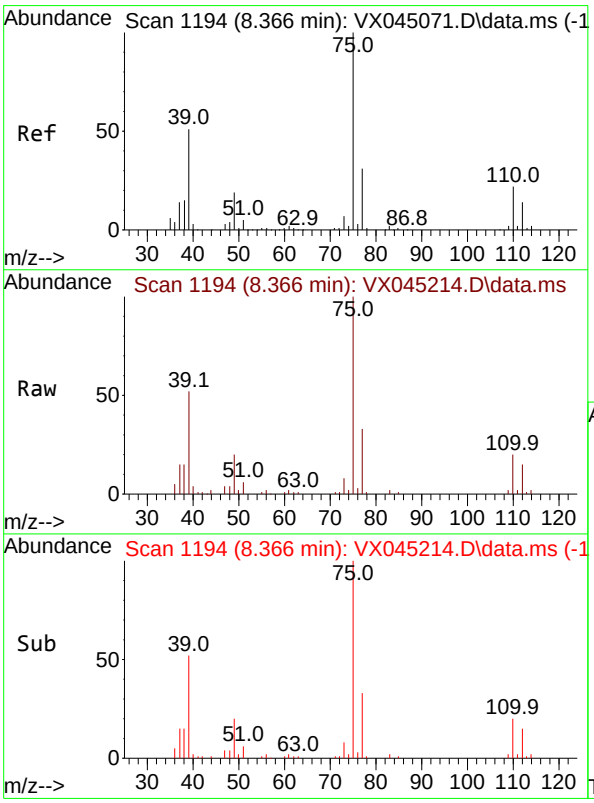
Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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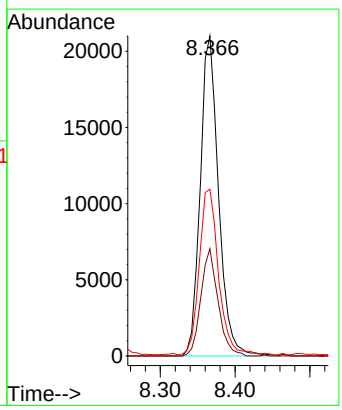
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

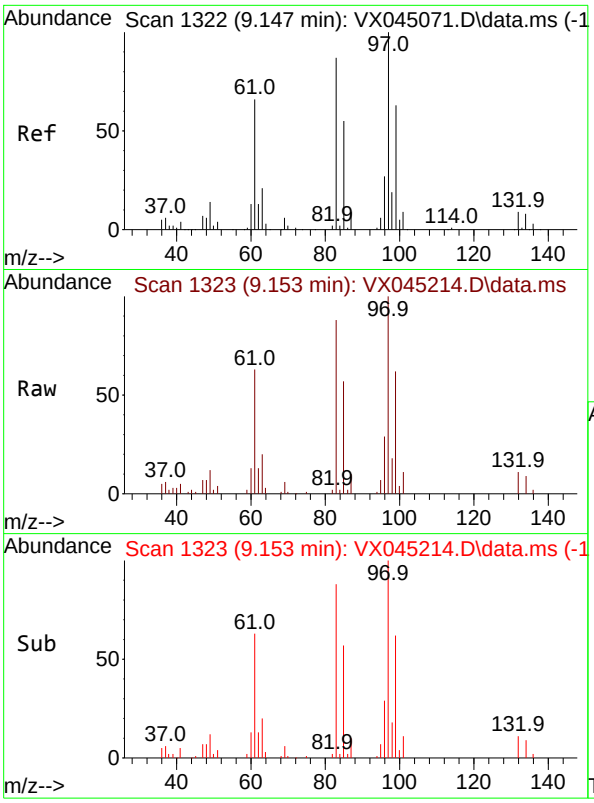


#54
cis-1,3-Dichloropropene
Concen: 20.578 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 75 Resp: 35732

Ion	Ratio	Lower	Upper
75	100		
77	33.5	24.7	37.1
39	51.8	40.7	61.1

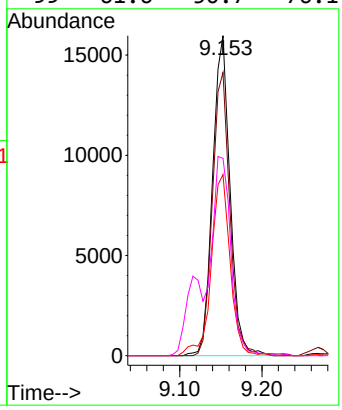




#55
1,1,2-Trichloroethane
Concen: 19.483 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 97 Resp: 2351

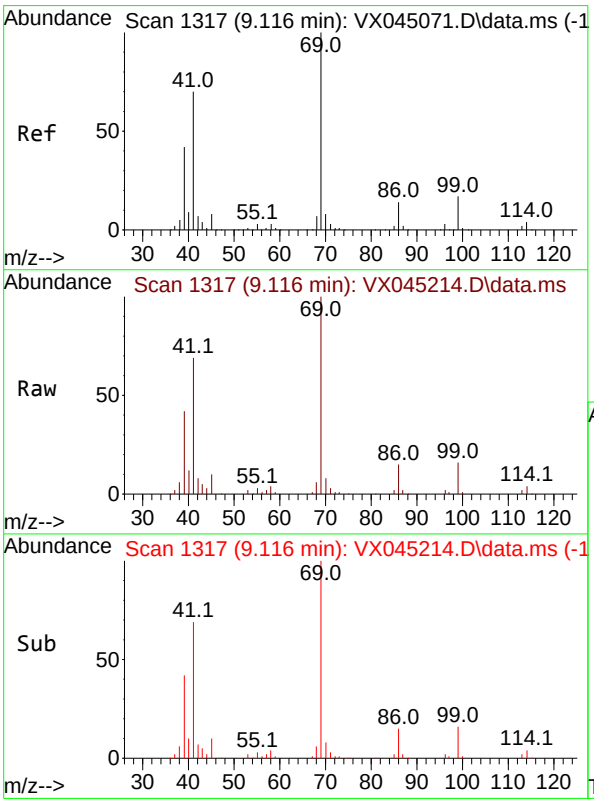
Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.4	104.2
85	56.6	44.1	66.1
99	61.6	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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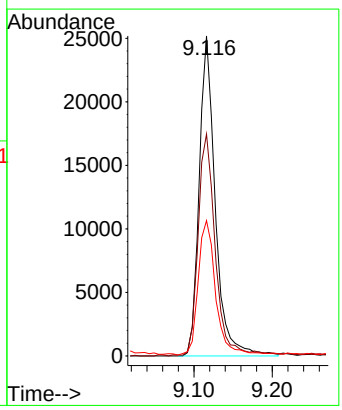
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

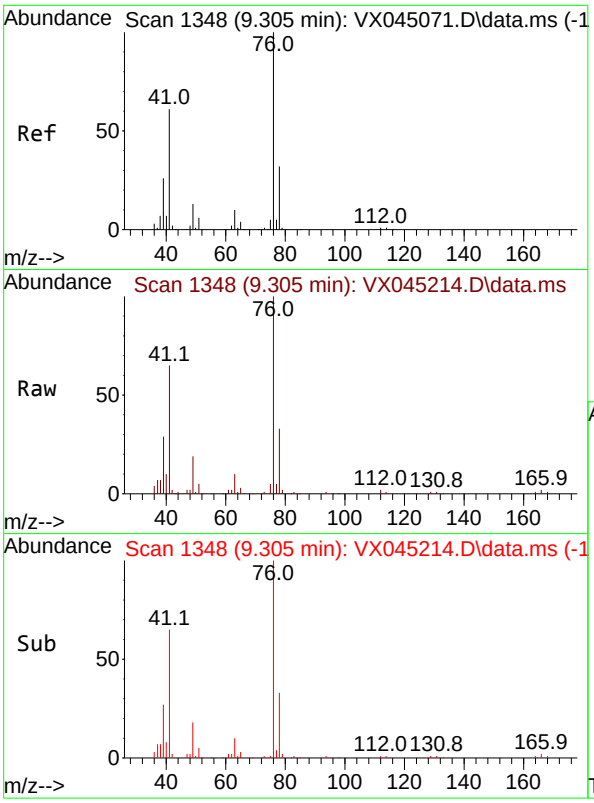


#56
Ethyl methacrylate
Concen: 19.616 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 69 Resp: 35989

Ion	Ratio	Lower	Upper
69	100		
41	74.9	57.0	85.4
39	45.8	34.2	51.4





#57
1,3-Dichloropropane
Concen: 20.124 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

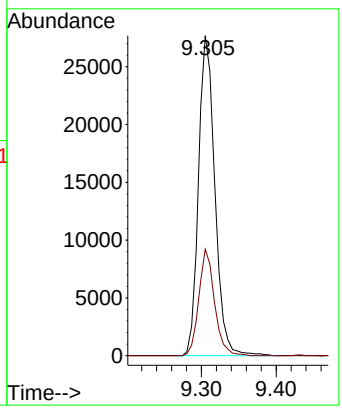
Tgt Ion: 76 Resp: 4203

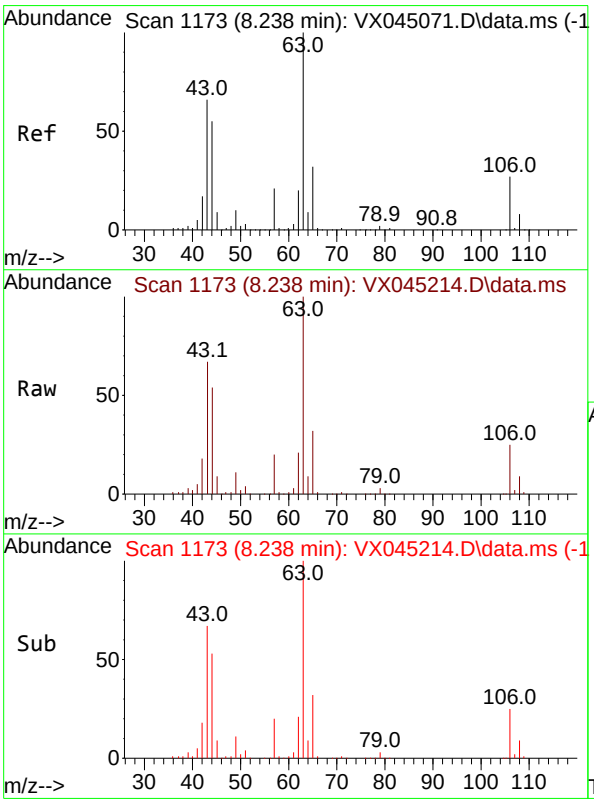
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

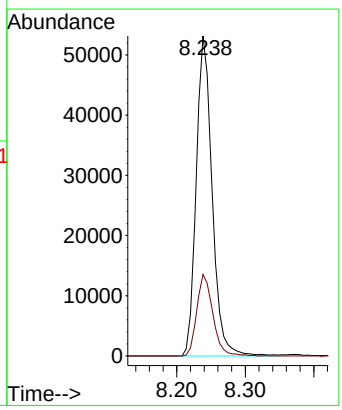


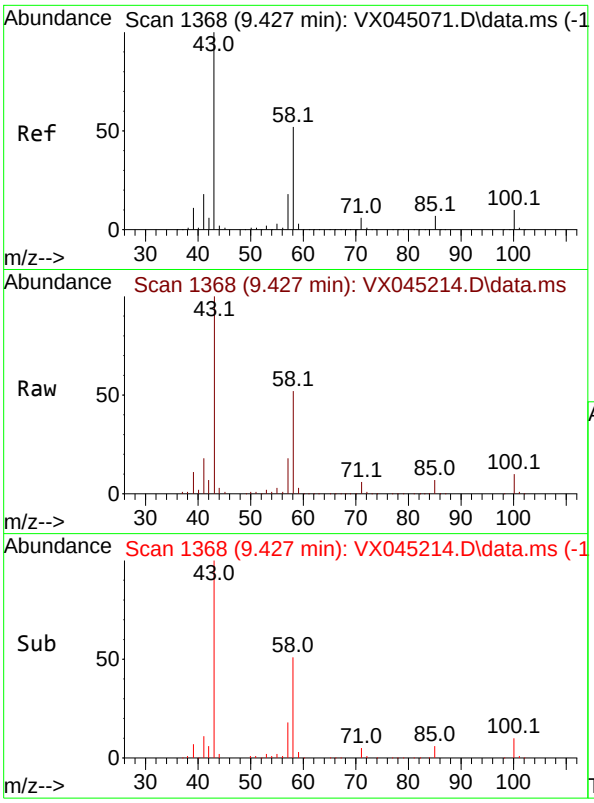


#58
2-Chloroethyl Vinyl ether
Concen: 96.201 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 63 Resp: 86098

Ion	Ratio	Lower	Upper
63	100		
106	25.6	21.5	32.3





#59
2-Hexanone
Concen: 108.556 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

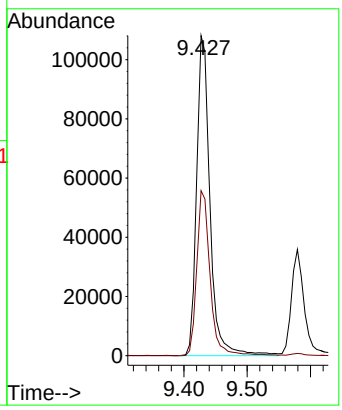
Tgt Ion: 43 Resp: 15924

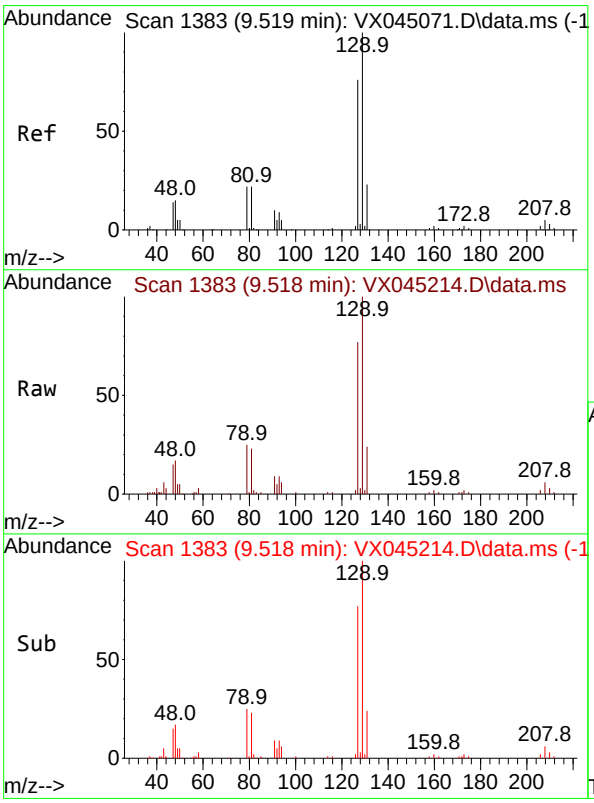
Ion	Ratio	Lower	Upper
43	100		
58	51.5	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

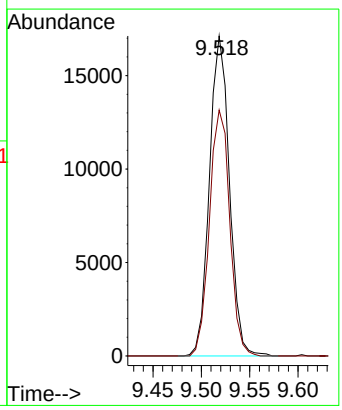


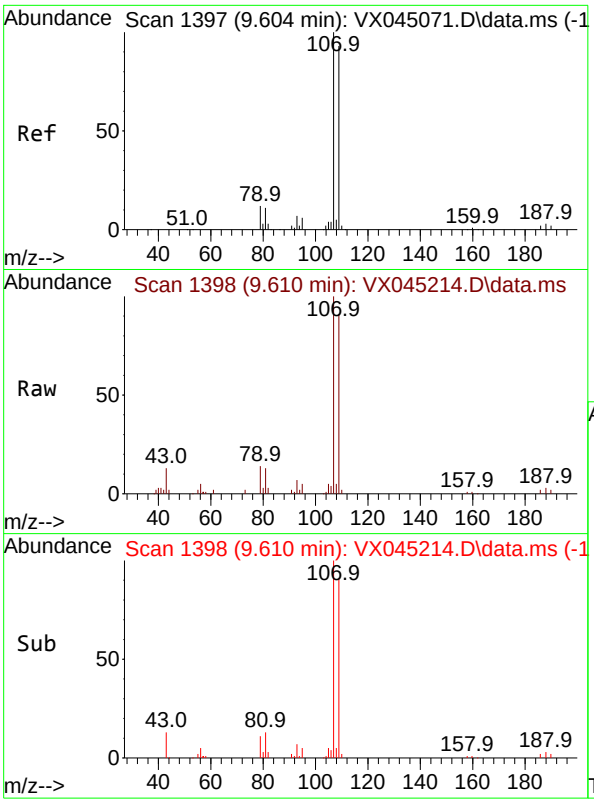


#60
Dibromochloromethane
Concen: 19.524 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:129 Resp: 24640

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.5

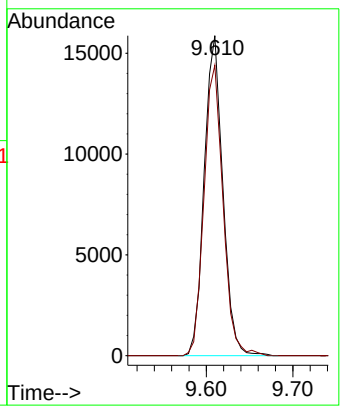




#61
1,2-Dibromoethane
Concen: 19.647 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:107 Resp: 2367

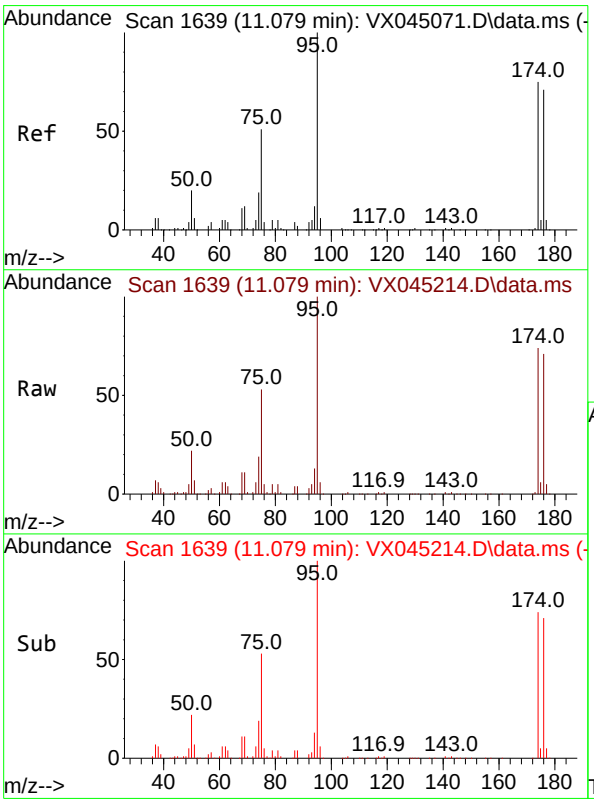
Ion	Ratio	Lower	Upper
107	100		
109	92.7	76.1	114.1



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

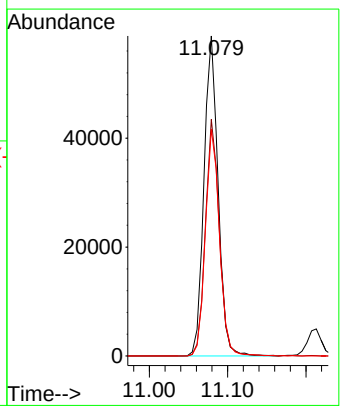
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

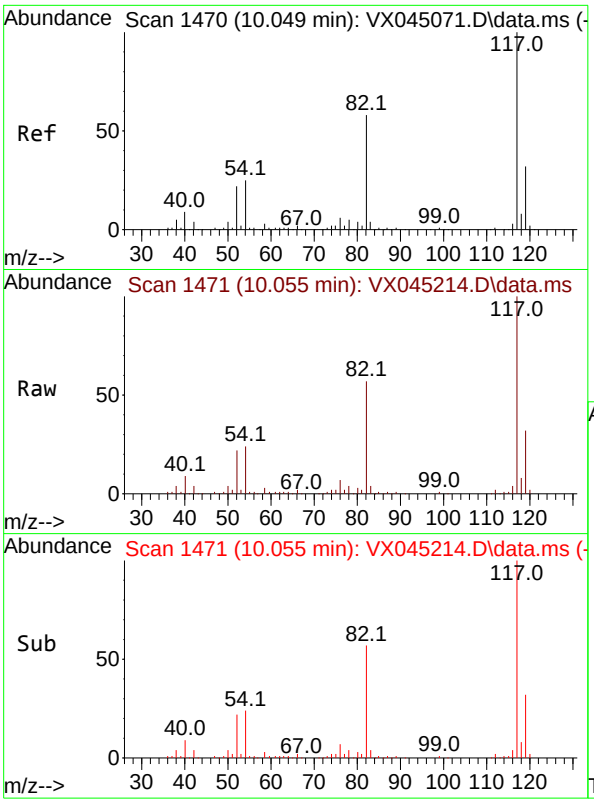


#62
4-Bromofluorobenzene
Concen: 52.930 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 95 Resp: 73373

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	148.2
176	70.8	0.0	141.4

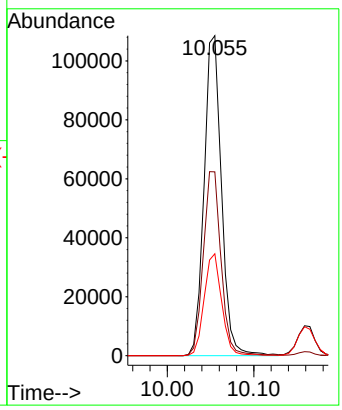




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:117 Resp: 15177

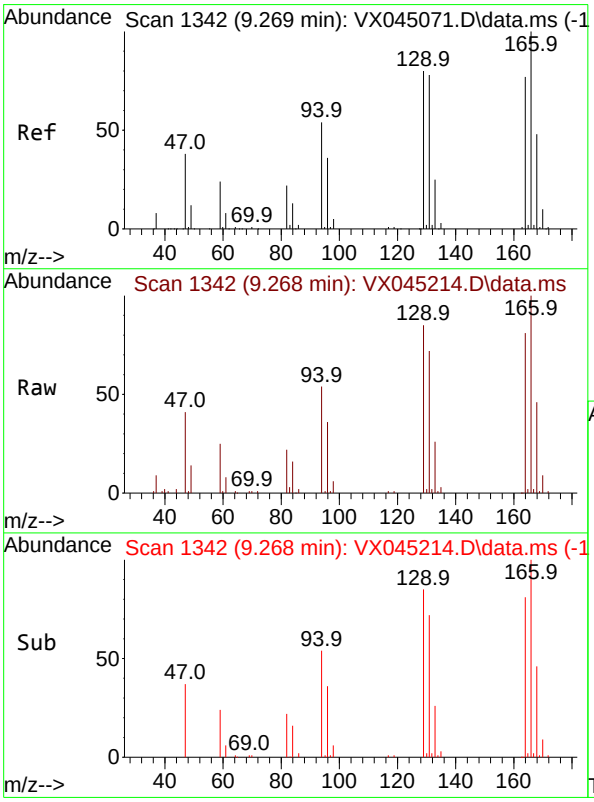
Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.3	69.5
119	31.9	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

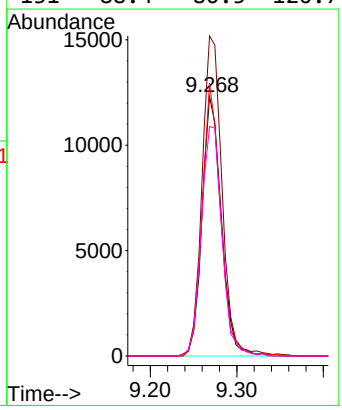
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

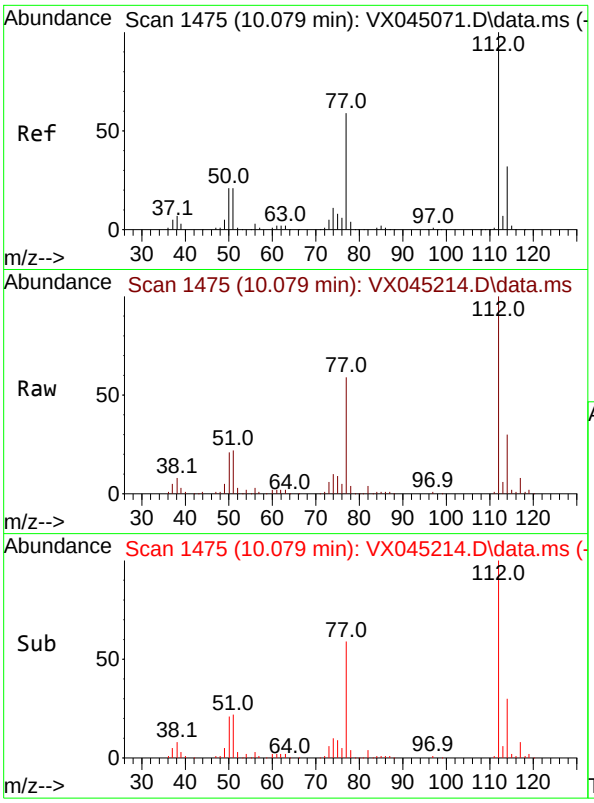


#64
Tetrachloroethene
Concen: 19.537 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:164 Resp: 18990

Ion	Ratio	Lower	Upper
164	100		
166	123.4	103.6	155.4
129	105.2	82.7	124.1
131	88.4	80.5	120.7

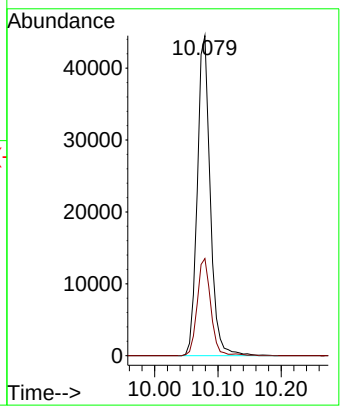




#65
Chlorobenzene
Concen: 19.739 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:112 Resp: 6338

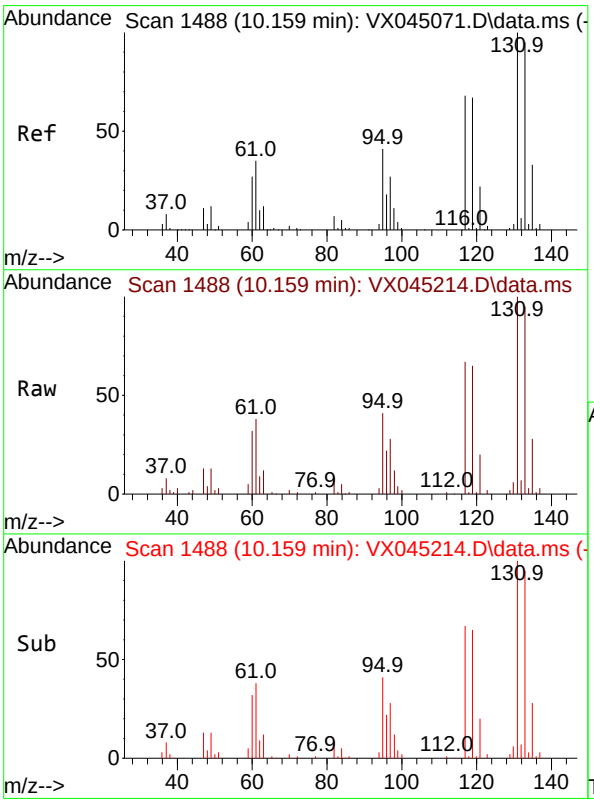
Ion	Ratio	Lower	Upper
112	100		
114	30.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

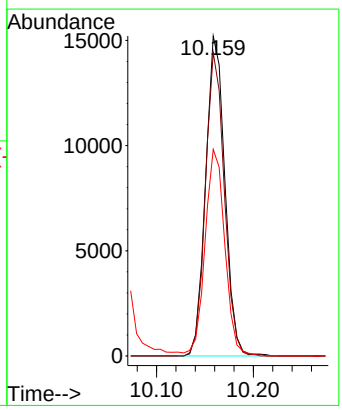
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

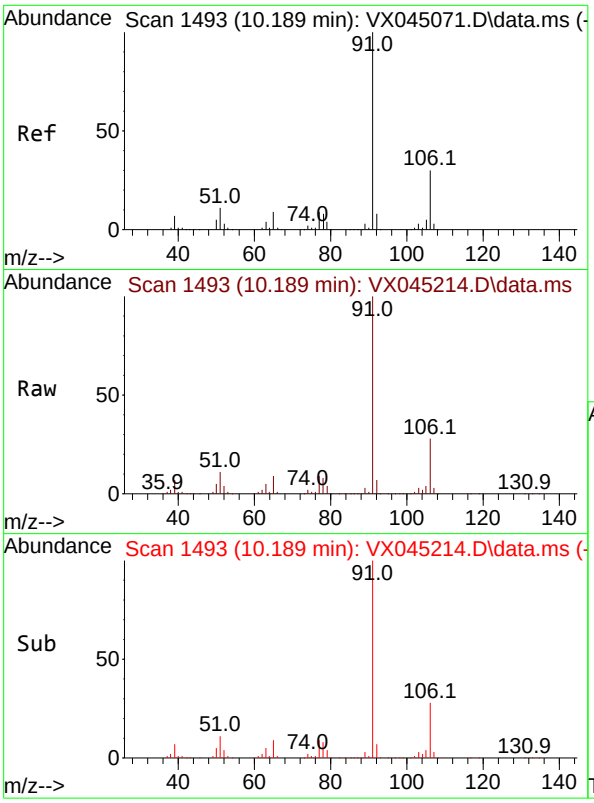


#66
1,1,1,2-Tetrachloroethane
Concen: 19.659 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:131 Resp: 21025

Ion	Ratio	Lower	Upper
131	100		
133	93.4	48.6	145.9
119	66.2	33.9	101.7

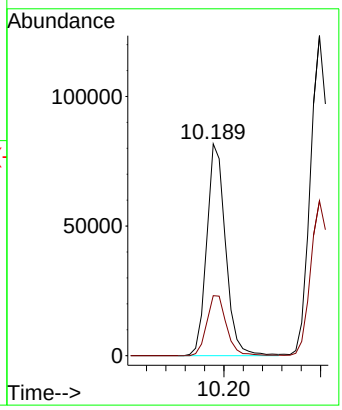




#67
Ethyl Benzene
Concen: 19.770 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 91 Resp: 11062

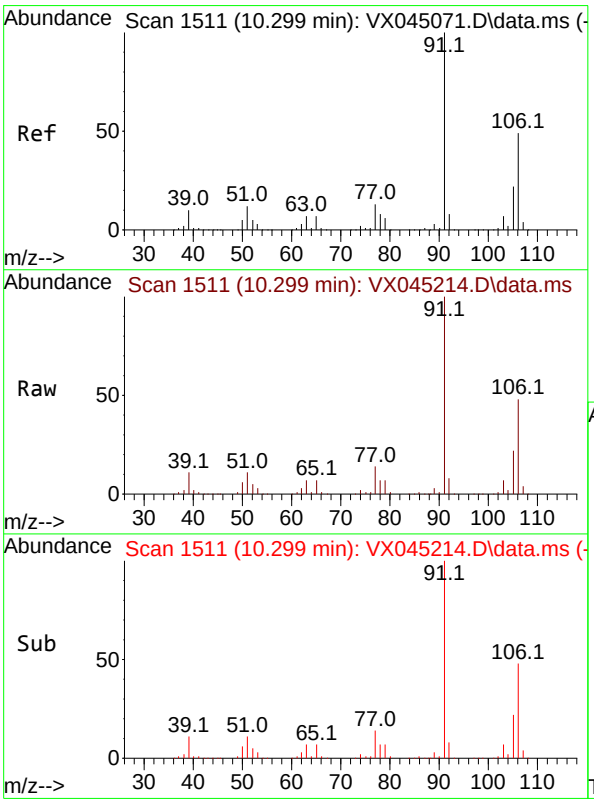
Ion	Ratio	Lower	Upper
91	100		
106	28.4	23.9	35.9



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

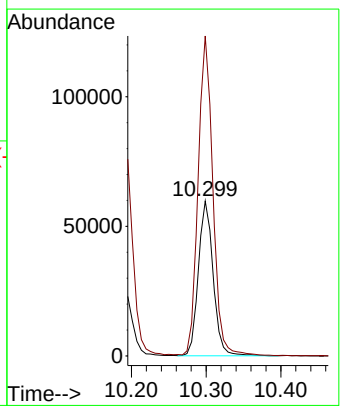
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

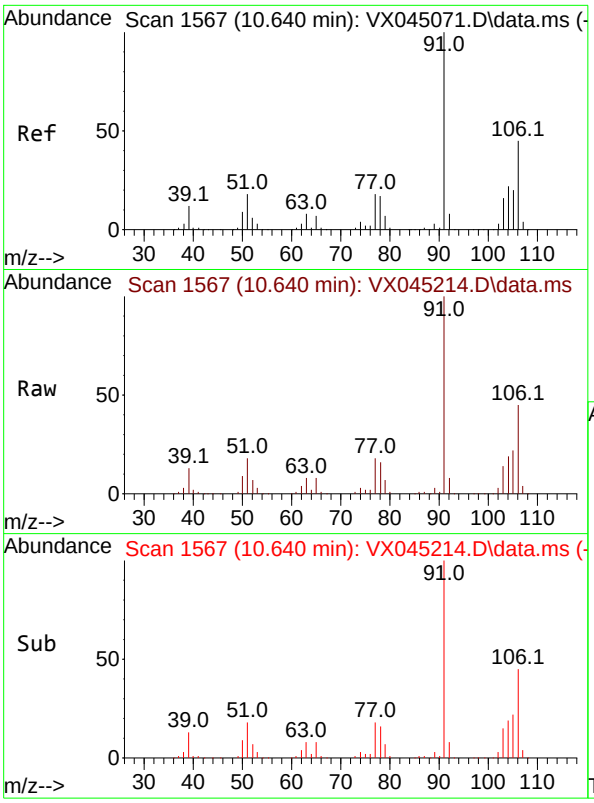


#68
m/p-Xylenes
Concen: 40.069 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:106 Resp: 82080

Ion	Ratio	Lower	Upper
106	100		
91	206.1	165.4	248.0

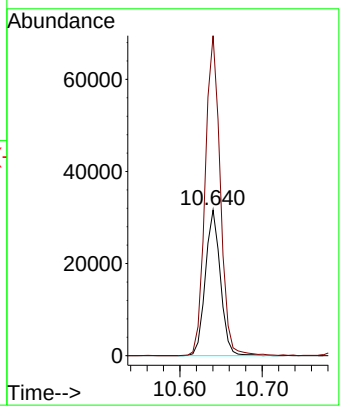




#69
o-Xylene
Concen: 19.413 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:106 Resp: 4010

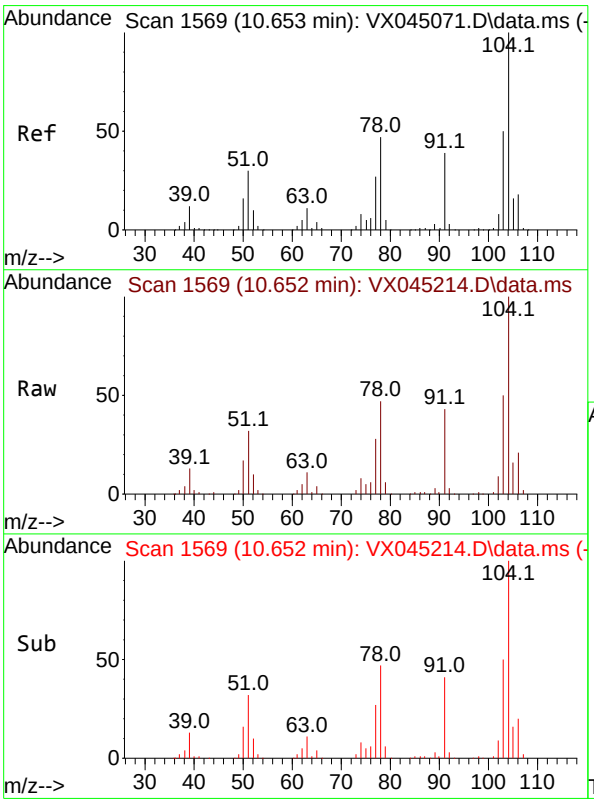
Ion	Ratio	Lower	Upper
106	100		
91	221.5	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

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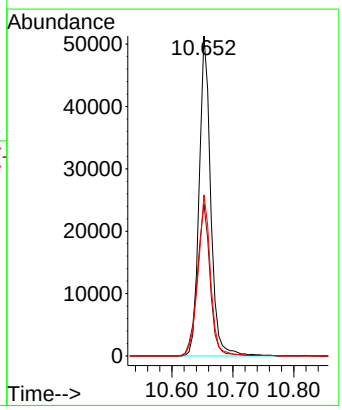
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

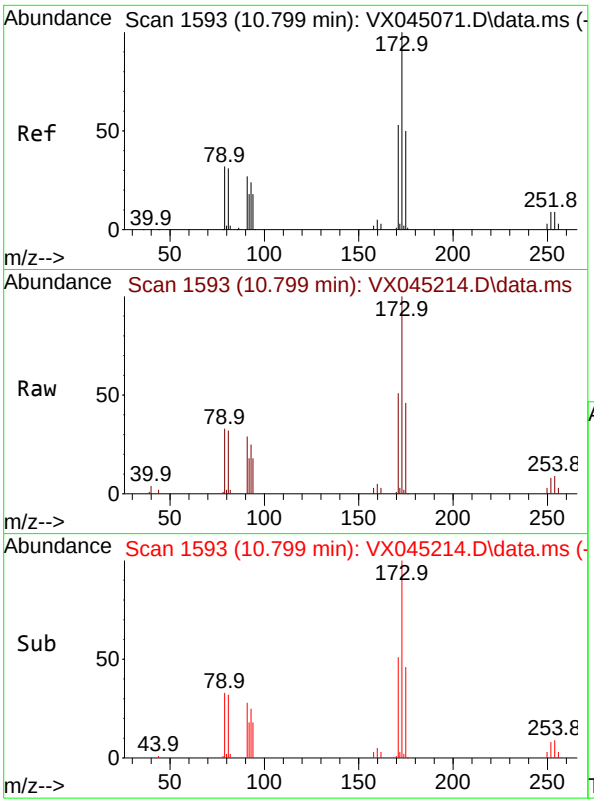


#70
Styrene
Concen: 20.260 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:104 Resp: 67728

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.2	63.4
103	54.3	43.8	65.8





#71
Bromoform
Concen: 20.029 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

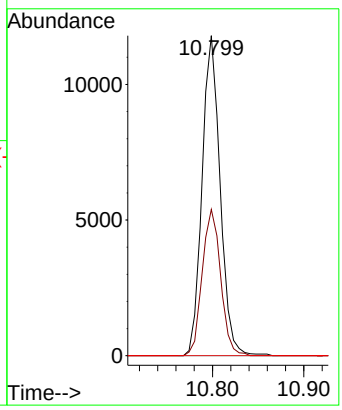
Tgt Ion:173 Resp: 1615

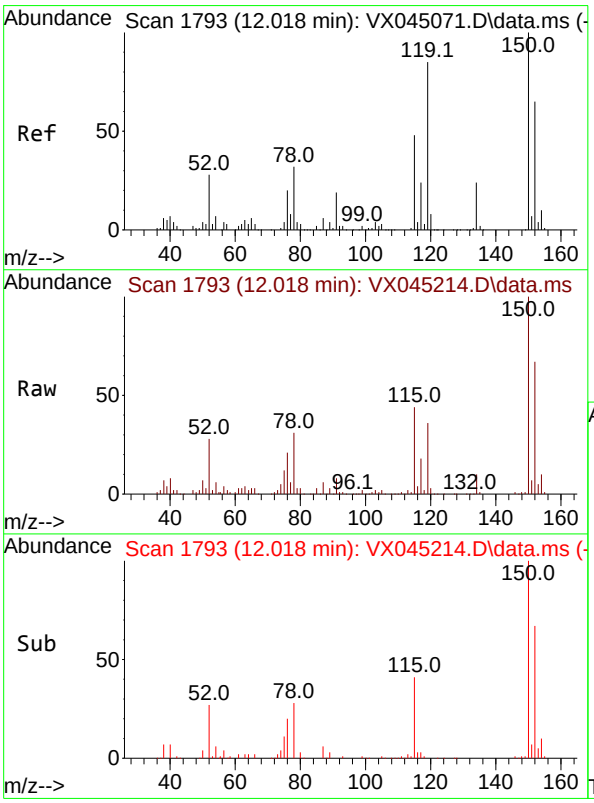
Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.6	73.6
254	0.0	0.0	0.0

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

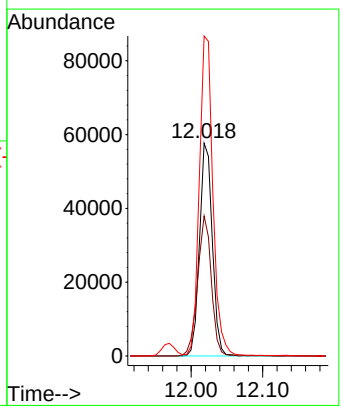


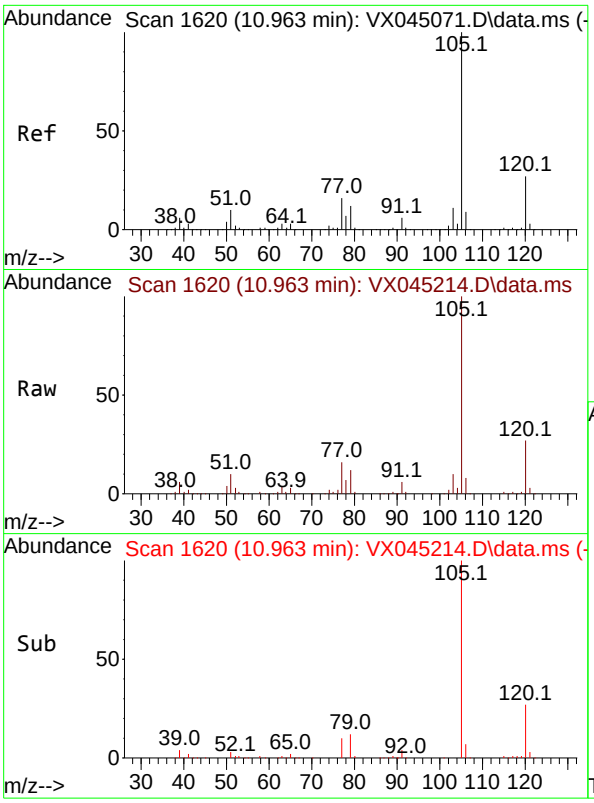


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:152 Resp: 71836

Ion	Ratio	Lower	Upper
152	100		
115	69.9	44.2	132.6
150	159.1	0.0	349.0

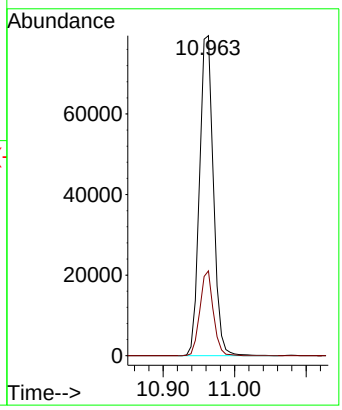




#73
Isopropylbenzene
Concen: 19.084 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:105 Resp: 10700

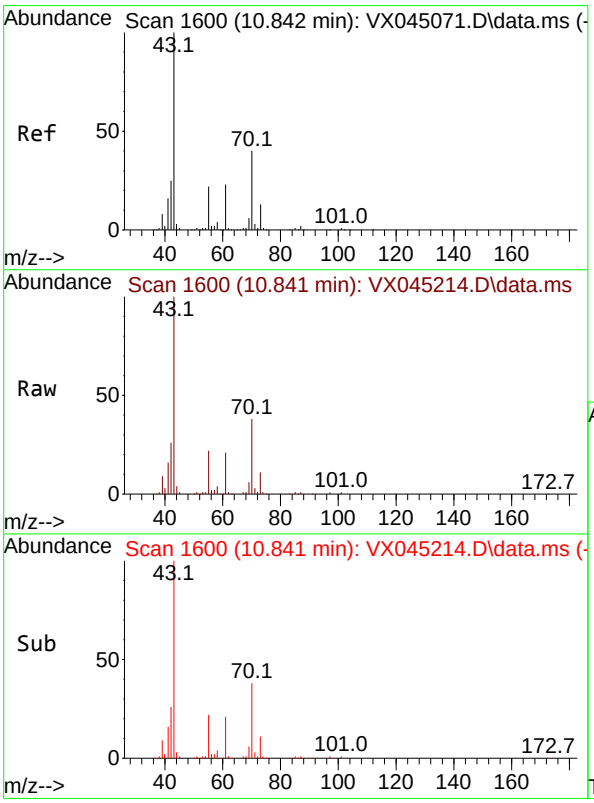
Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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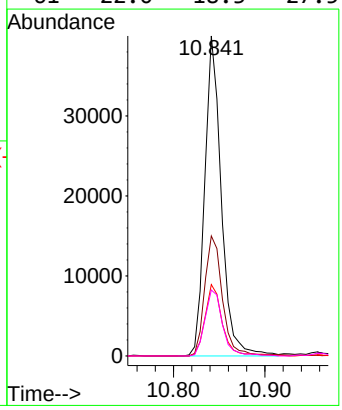
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

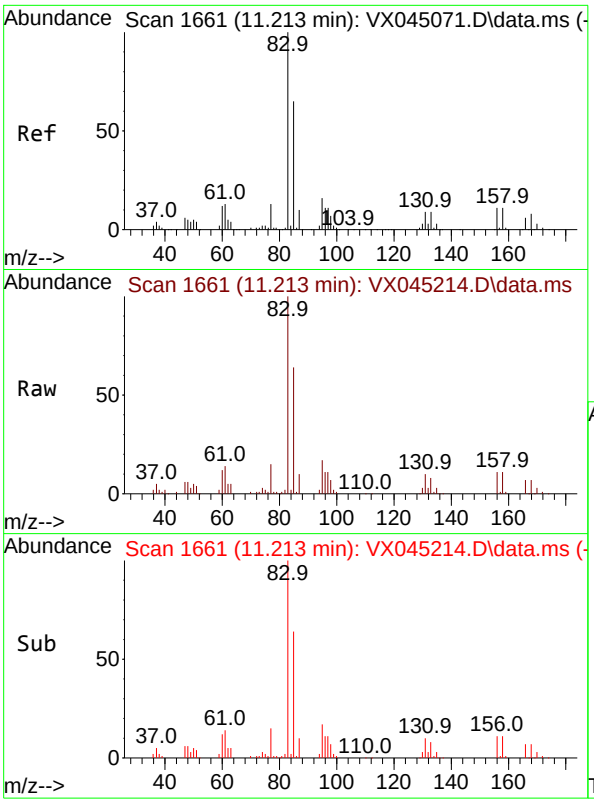


#74
N-amyl acetate
Concen: 19.067 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 43 Resp: 50165

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.8	47.6
55	23.5	18.3	27.5
61	22.0	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 19.498 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

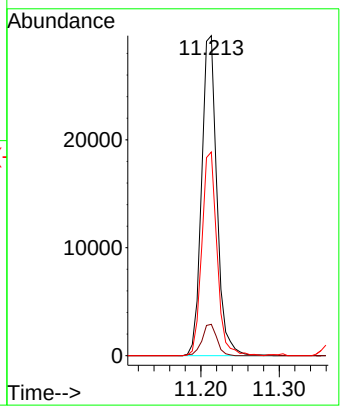
Tgt Ion: 83 Resp: 4011

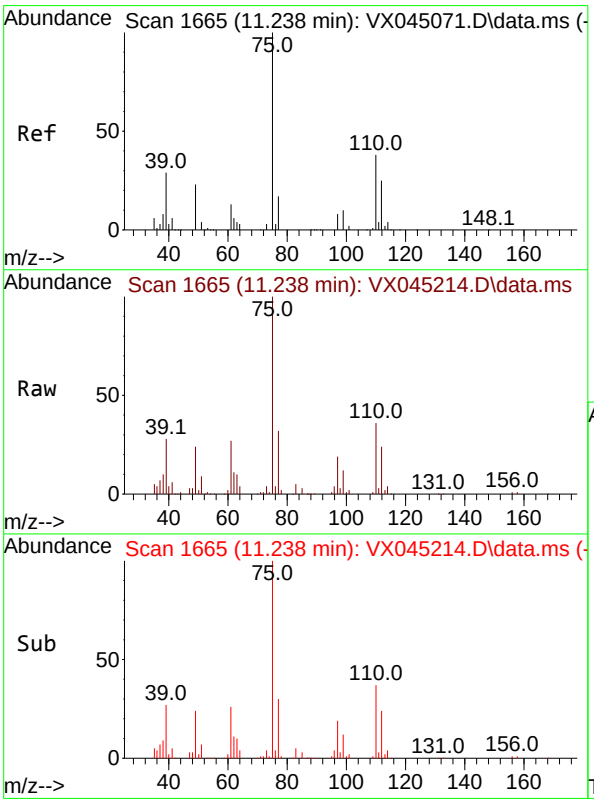
Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.4
85	63.2	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

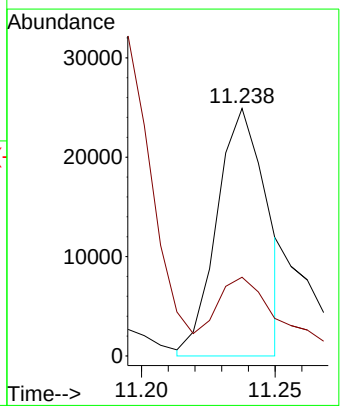


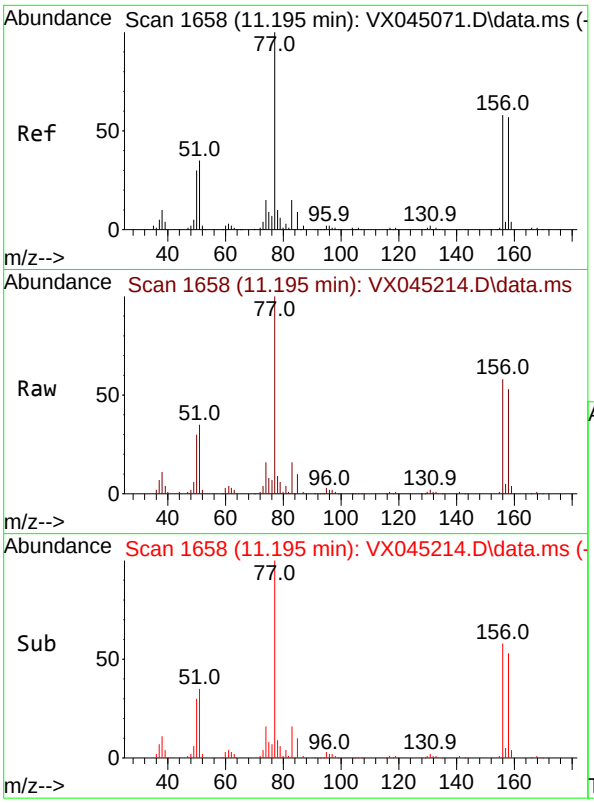


#76
1,2,3-Trichloropropane
Concen: 19.230 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 75 Resp: 32153

Ion	Ratio	Lower	Upper
75	100		
77	41.9	20.7	62.1

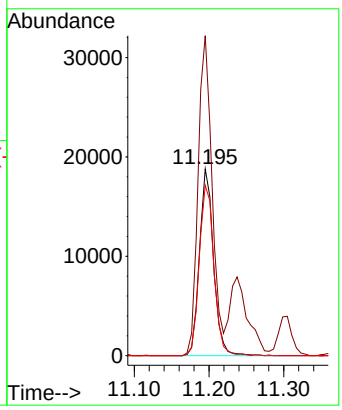




#77
Bromobenzene
Concen: 18.531 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:156 Resp: 2451

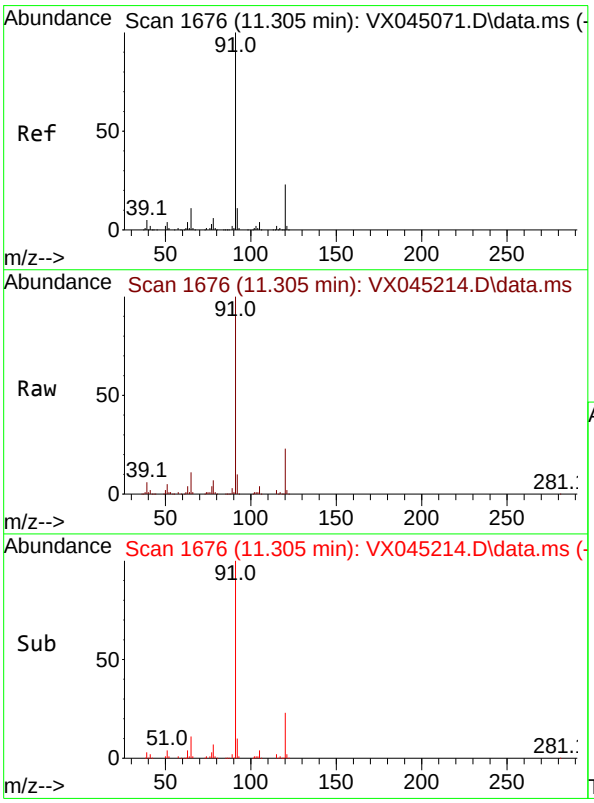
Ion	Ratio	Lower	Upper
156	100		
77	170.4	85.8	257.4
158	95.0	48.4	145.2



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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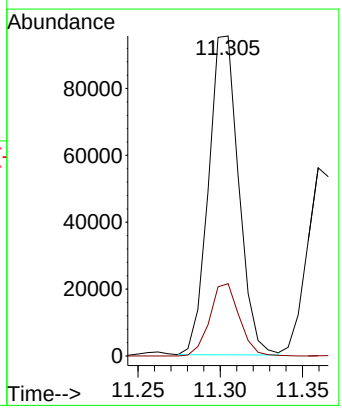
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

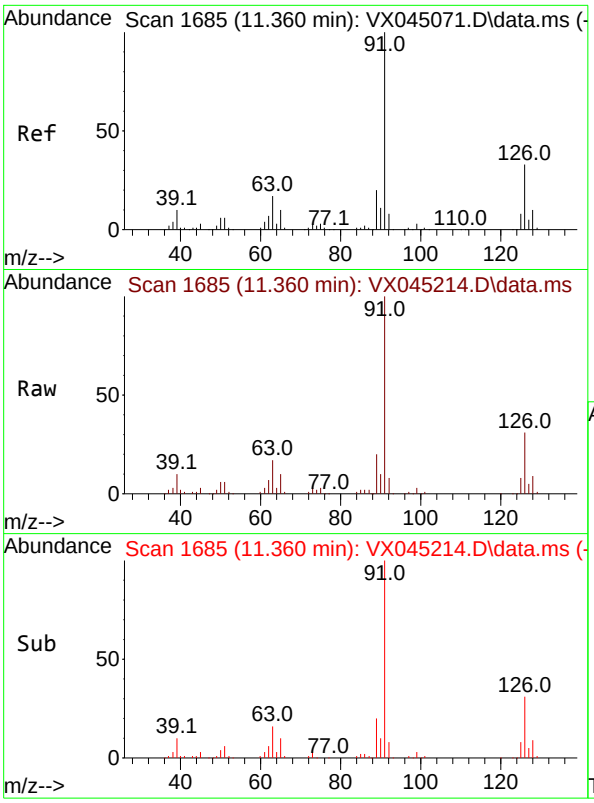


#78
n-propylbenzene
Concen: 19.227 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 91 Resp: 121782

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6





#79
2-Chlorotoluene
Concen: 18.427 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

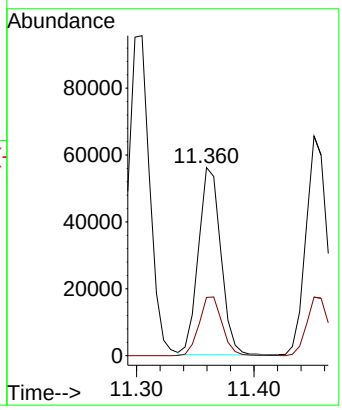
Tgt Ion: 91 Resp: 7433

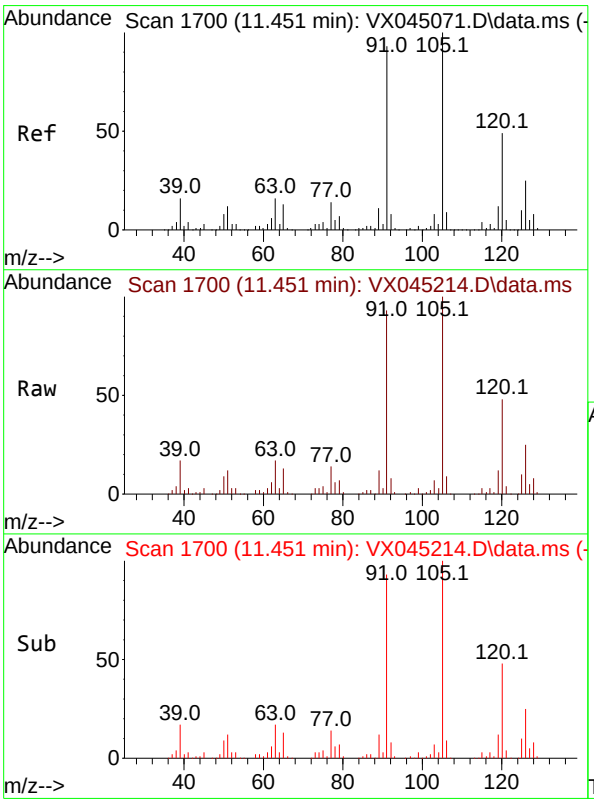
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

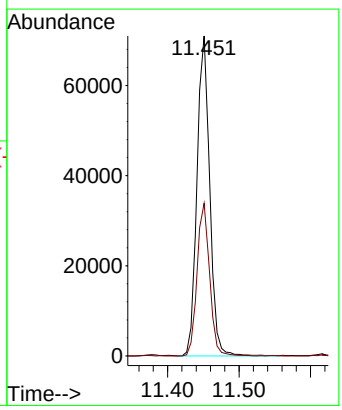


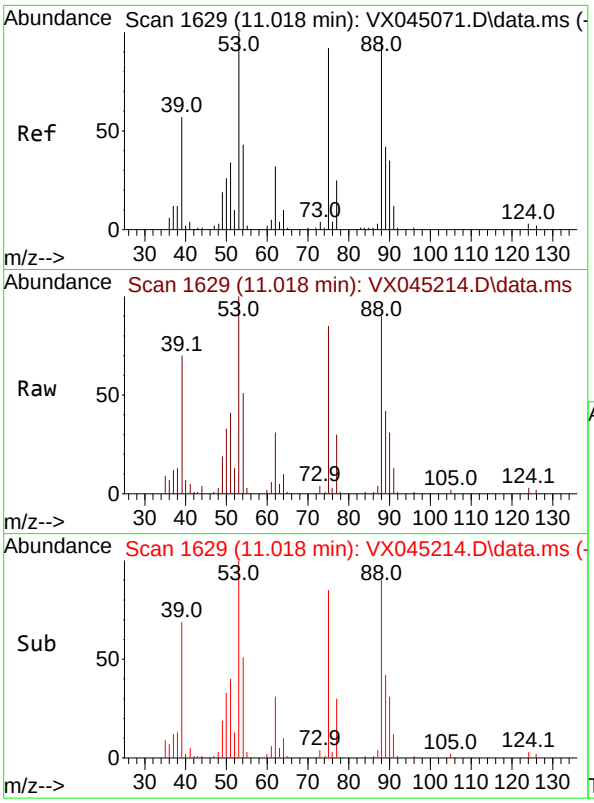


#80
1,3,5-Trimethylbenzene
Concen: 19.336 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:105 Resp: 87665

Ion	Ratio	Lower	Upper
105	100		
120	47.0	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 18.233 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

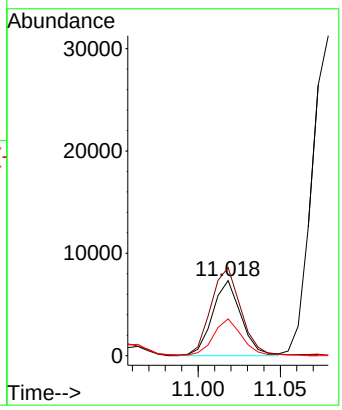
Tgt Ion: 75 Resp: 890

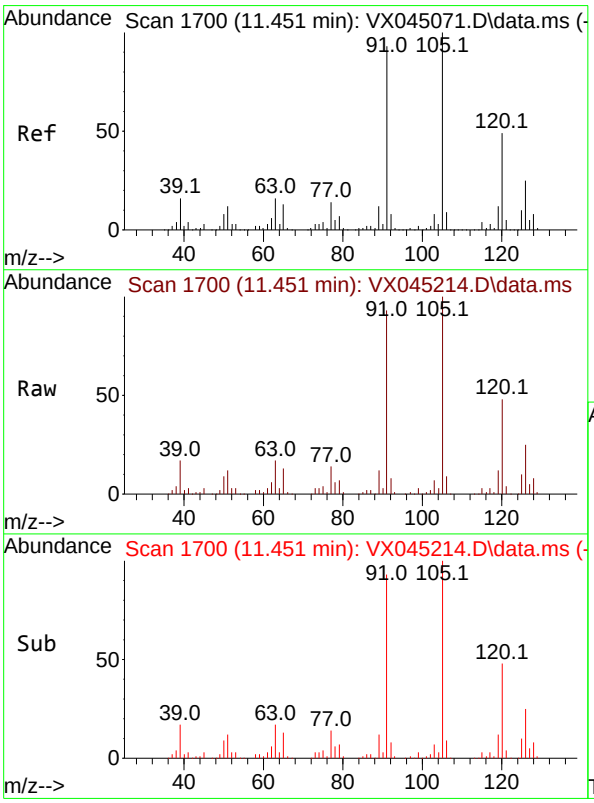
Ion	Ratio	Lower	Upper
75	100		
53	120.4	88.5	132.7
89	49.0	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

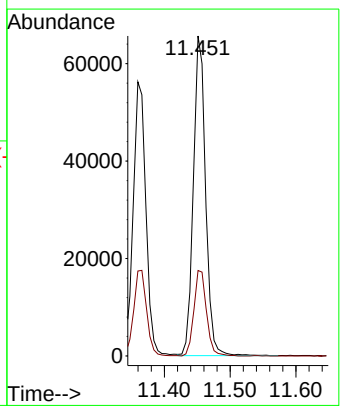


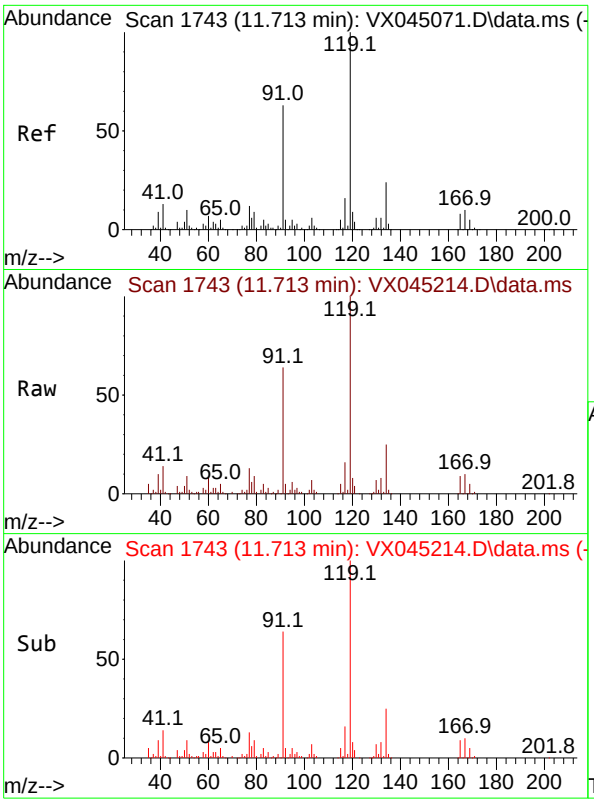


#82
4-Chlorotoluene
Concen: 19.196 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 91 Resp: 84393

Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.1	42.4





#83
tert-Butylbenzene
Concen: 18.764 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

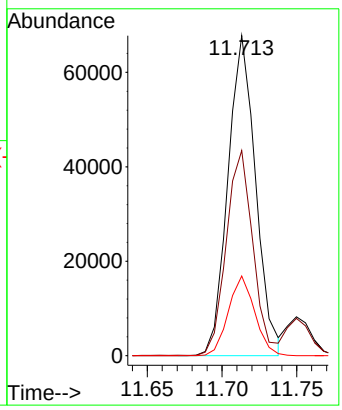
Tgt Ion:119 Resp: 8740

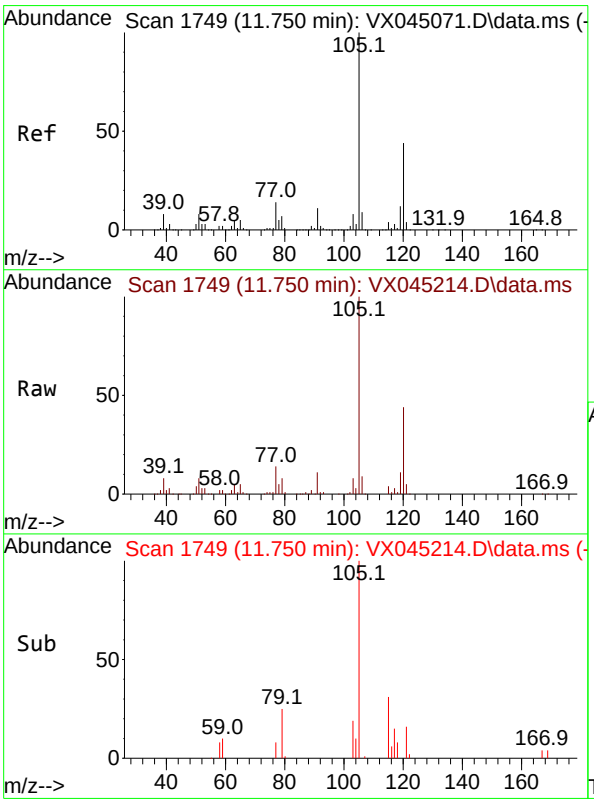
Ion	Ratio	Lower	Upper
119	100		
91	61.8	30.7	92.1
134	23.7	11.7	35.0

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

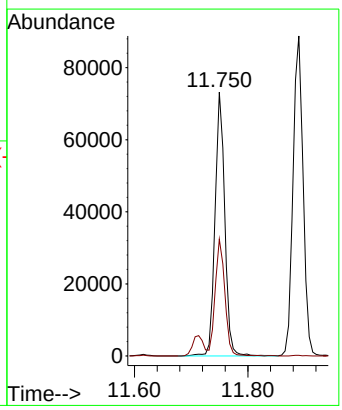


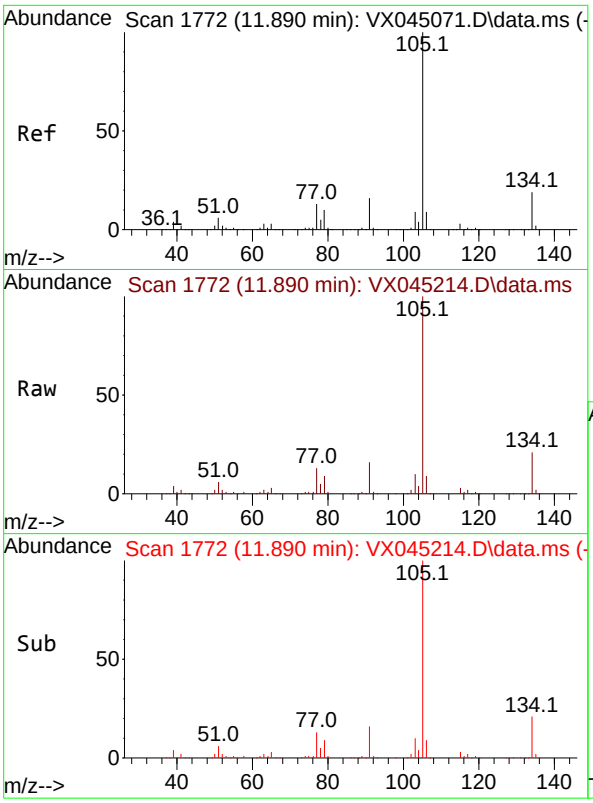


#84
1,2,4-Trimethylbenzene
Concen: 19.161 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:105 Resp: 87408

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.1





#85
sec-Butylbenzene
Concen: 19.595 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

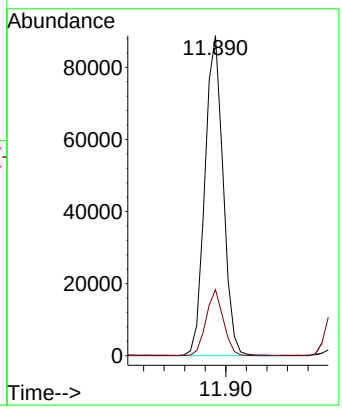
Tgt Ion:105 Resp: 10934

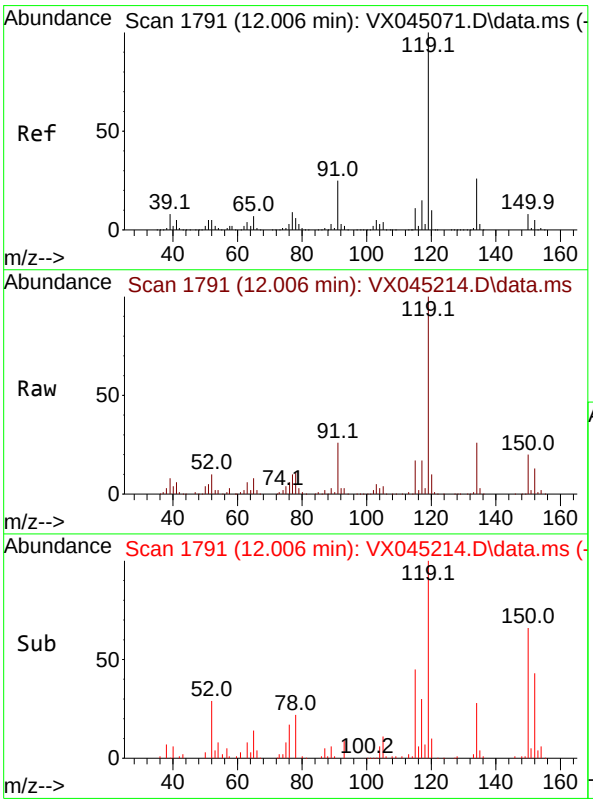
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

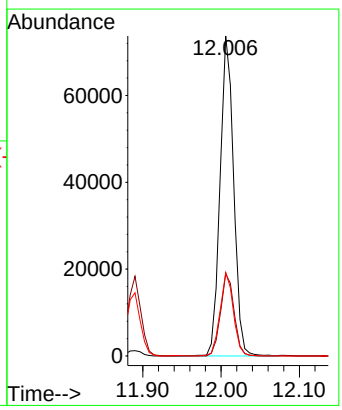


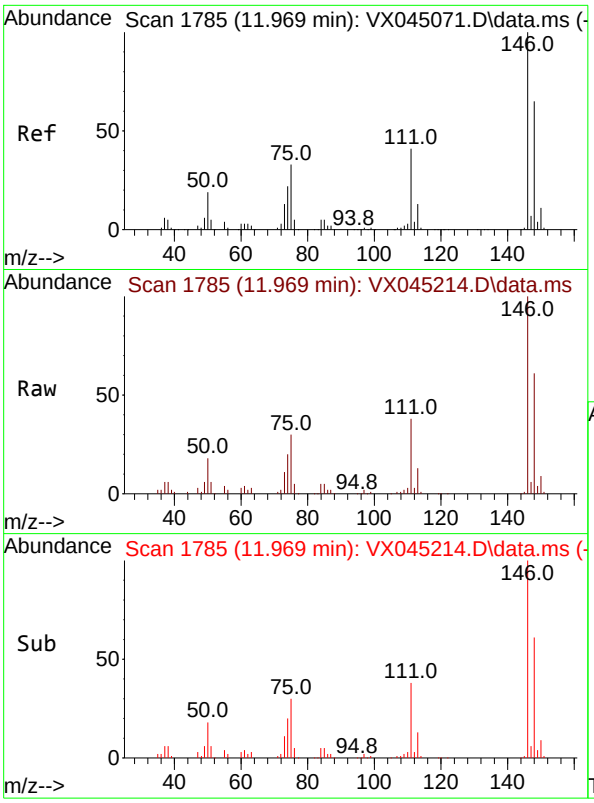


#86
p-Isopropyltoluene
Concen: 19.784 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:119 Resp: 89213

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	25.5	12.7	38.0

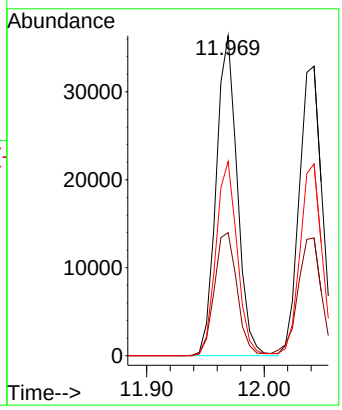




#87
1,3-Dichlorobenzene
Concen: 19.261 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:146 Resp: 4545

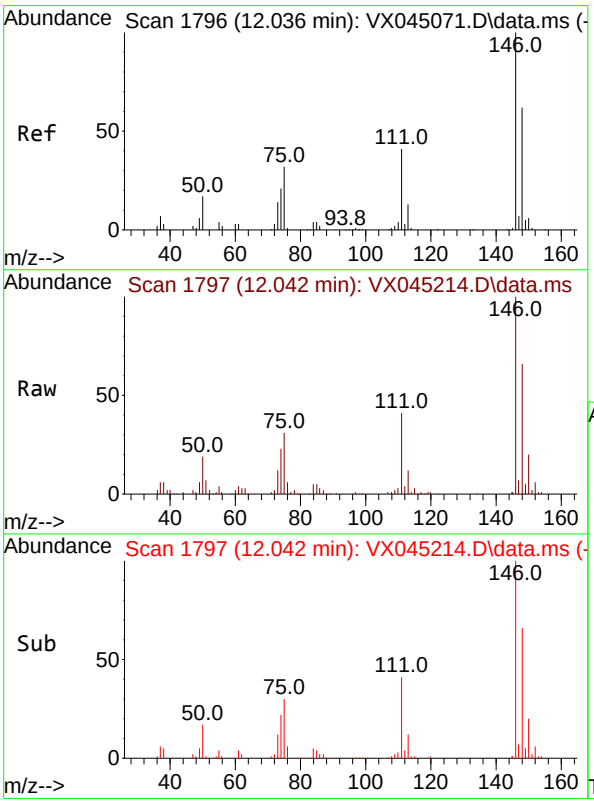
Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.4
148	61.0	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

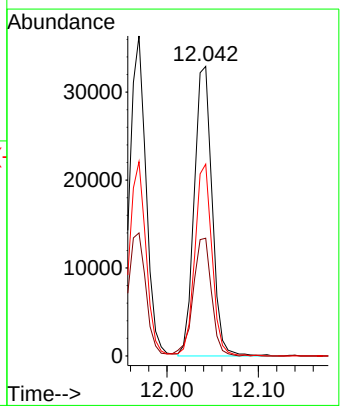
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

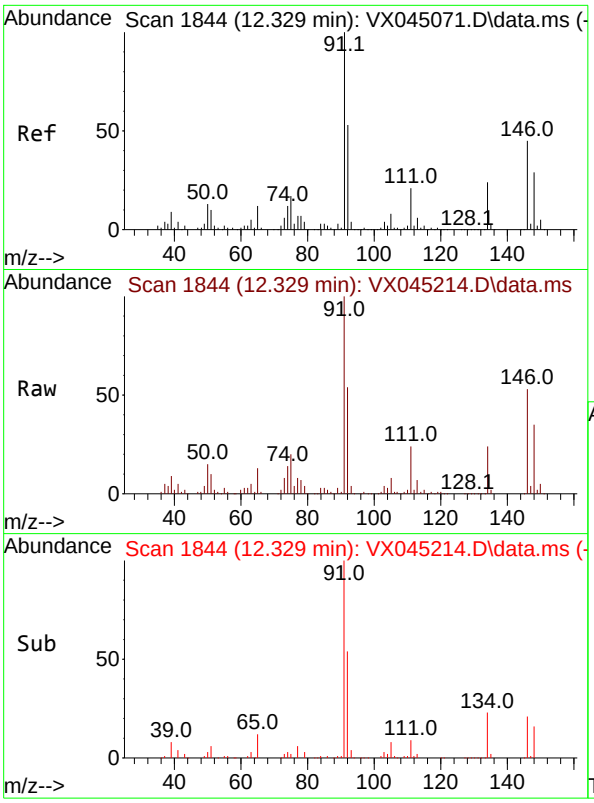


#88
1,4-Dichlorobenzene
Concen: 18.734 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:146 Resp: 44731

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.2	60.5
148	63.7	31.9	95.9





#89
n-Butylbenzene
Concen: 19.837 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

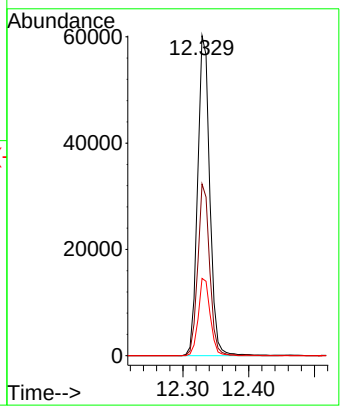
Tgt Ion: 91 Resp: 7704

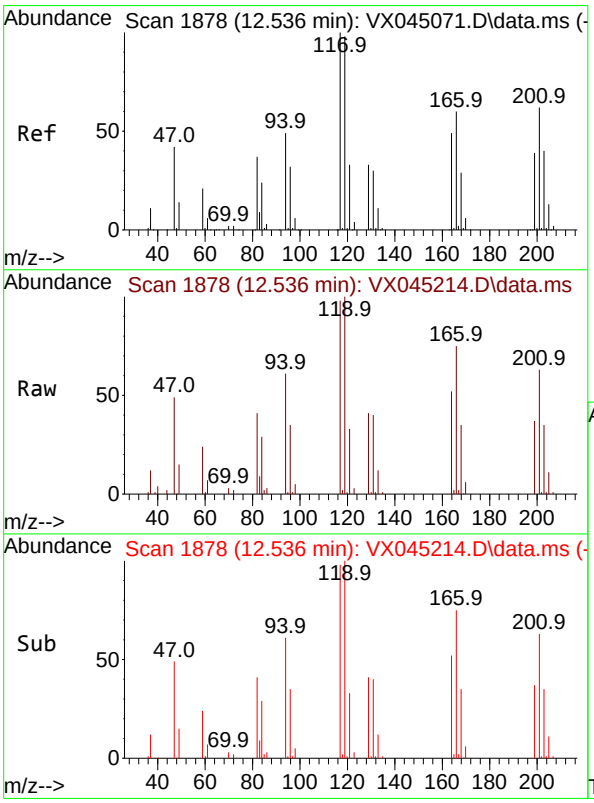
Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.7	80.0
134	23.8	12.2	36.6

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

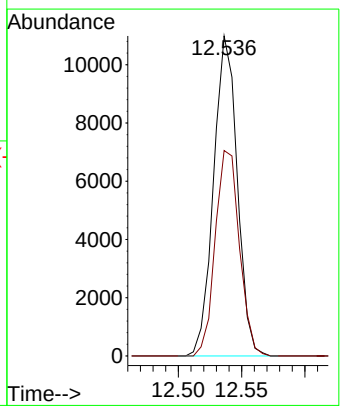


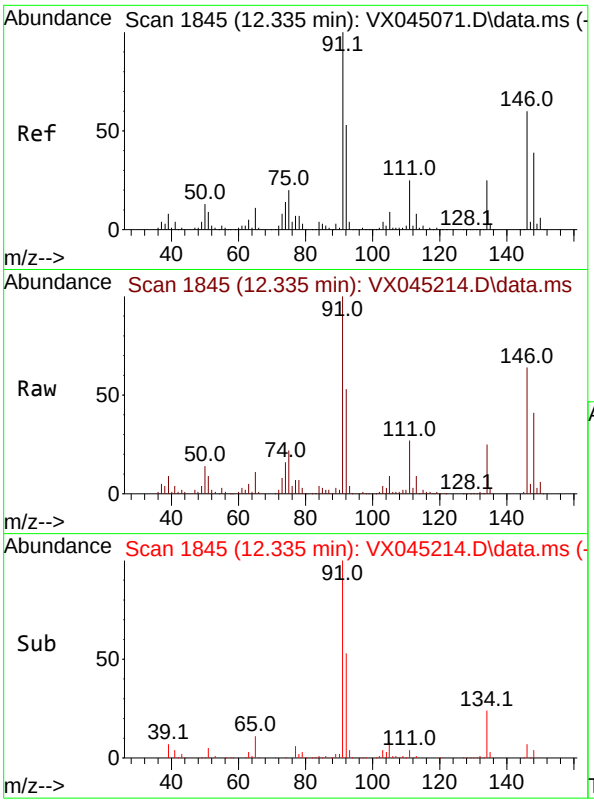


#90
Hexachloroethane
Concen: 17.526 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:117 Resp: 14295

Ion	Ratio	Lower	Upper
117	100		
201	65.6	31.9	95.9





#91
1,2-Dichlorobenzene
Concen: 19.416 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

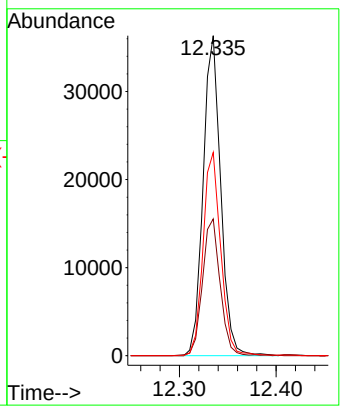
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

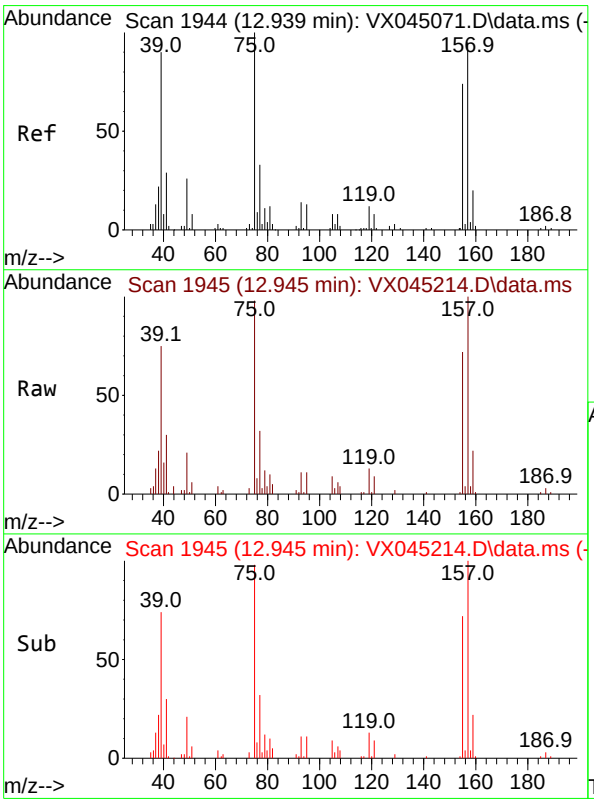
Tgt Ion:146 Resp: 4596

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	63.8	31.9	95.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

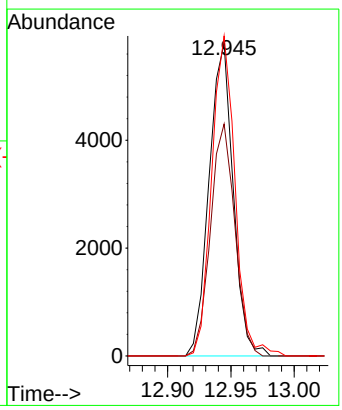


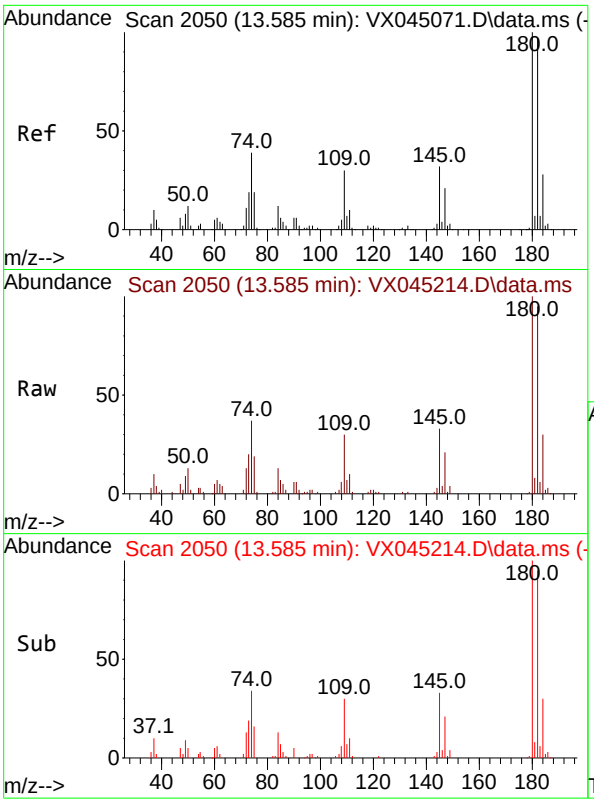


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.117 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 75 Resp: 7663

Ion	Ratio	Lower	Upper
75	100		
155	75.0	39.6	118.7
157	99.5	51.1	153.4





#93
1,2,4-Trichlorobenzene
Concen: 18.873 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

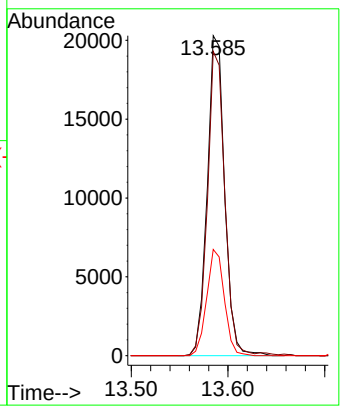
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

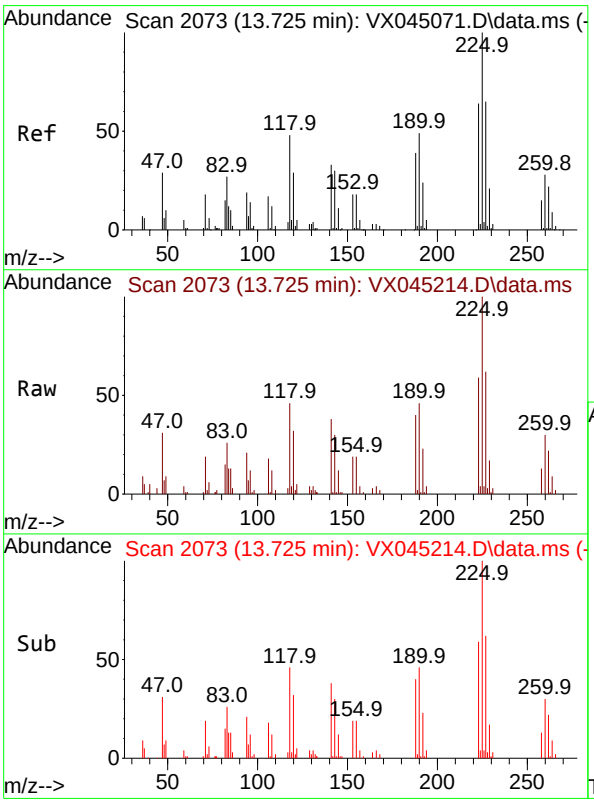
Tgt Ion:180 Resp: 2544

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.9
145	33.6	16.3	48.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

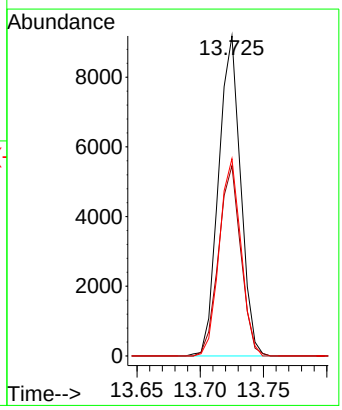


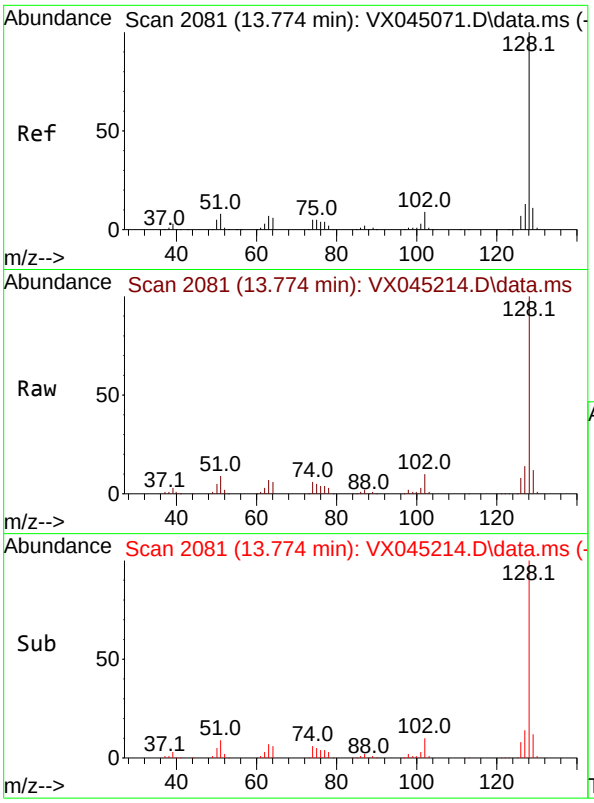


#94
Hexachlorobutadiene
Concen: 20.075 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:225 Resp: 11095

Ion	Ratio	Lower	Upper
225	100		
223	59.7	31.9	95.7
227	60.4	31.4	94.0

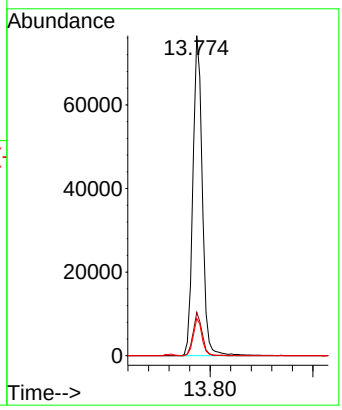




#95
Naphthalene
Concen: 18.846 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:128 Resp: 9761

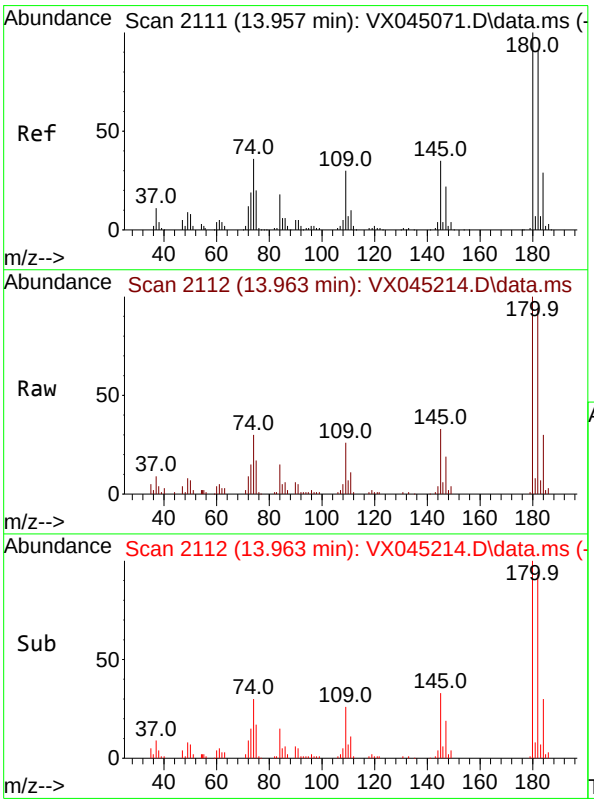
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Manual Integrations
APPROVED

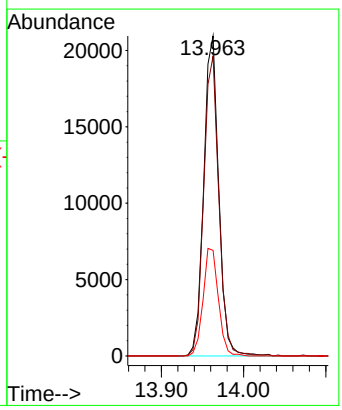
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.685 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:180 Resp: 26572

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.5	142.6
145	34.2	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:	VX0311WBSD01	SDG No.:	Q1500
Lab Sample ID:	VX0311WBSD01	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
VX045215.D	1		03/11/25 11:40	VX031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.4		0.21	0.50	1.00	ug/L
74-87-3	Chloromethane	17.9		0.35	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	16.9		0.34	0.75	1.00	ug/L
74-83-9	Bromomethane	19.1		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.7		0.56	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.7		0.34	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.4		0.26	0.75	1.00	ug/L
67-64-1	Acetone	96.0		1.40	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.4		0.32	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.3		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	23.0		0.60	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.2		0.32	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.25	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.2		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	19.1		1.60	2.50	5.00	ug/L
78-93-3	2-Butanone	100		1.30	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.25	0.75	1.00	ug/L
74-97-5	Bromochloromethane	19.9		0.18	0.50	1.00	ug/L
67-66-3	Chloroform	19.5		0.26	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.2		0.19	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	20.1		0.19	0.50	1.00	ug/L
71-43-2	Benzene	19.2		0.16	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.9		0.24	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.0		0.32	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.1		0.19	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.8		0.24	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	2.50	5.00	ug/L
108-88-3	Toluene	19.8		0.18	0.50	1.00	ug/L

Raw Data: **VX045215.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0311WBSD01	SDG No.:	Q1500
Lab Sample ID:	VX0311WBSD01	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
VX045215.D	1		03/11/25 11:40	VX031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.1		0.21	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.1		0.18	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.0		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	19.9		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.7		0.16	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.25	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.13	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.7		0.16	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	39.9		0.31	1.00	2.00	ug/L
95-47-6	o-Xylene	20.2		0.14	0.50	1.00	ug/L
100-42-5	Styrene	20.5		0.16	0.50	1.00	ug/L
75-25-2	Bromoform	20.3		0.21	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	19.4		0.13	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.7		0.27	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.24	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.2		0.27	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.19	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		0.46	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.5		0.42	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.3		0.51	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.1		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.7		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.4		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	92100	5.544				
540-36-3	1,4-Difluorobenzene	166000	6.757				
3114-55-4	Chlorobenzene-d5	149000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	68900	12.018				

Raw Data: **VX045215.D**

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

Report of Analysis

Client:	AECOM Technical Services, Inc.	Date Collected:	
Project:	NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258	Date Received:	
Client Sample ID:	VX0311WBSD01	SDG No.:	Q1500
Lab Sample ID:	VX0311WBSD01	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
VX045215.D	1		03/11/25 11:40	VX031125

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\VX031125\
Data File : VX045215.D
Acq On : 11 Mar 2025 11:40
Operator : JC/MD
Sample : VX0311WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 01:44:49 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 :
VX0311WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	166231	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	148942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	74856	51.107	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.220%			
35) Dibromofluoromethane	5.379	113	56645	50.961	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.920%			
50) Toluene-d8	8.647	98	204141	50.659	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.320%			
62) 4-Bromofluorobenzene	11.079	95	72695	54.440	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	22434	19.355	ug/l	93
3) Chloromethane	1.307	50	25404	17.909	ug/l	98
4) Vinyl Chloride	1.374	62	23820	16.928	ug/l	95
5) Bromomethane	1.593	94	10572	19.112	ug/l	100
6) Chloroethane	1.666	64	12761	19.661	ug/l	88
7) Trichlorofluoromethane	1.867	101	34778	18.670	ug/l	96
8) Diethyl Ether	2.130	74	12910	17.718	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.312	101	22149	20.696	ug/l	99
10) Methyl Iodide	2.440	142	25294	18.912	ug/l	96
11) Tert butyl alcohol	2.977	59	23337	84.116	ug/l	100
12) 1,1-Dichloroethene	2.306	96	20823	18.403	ug/l	98
13) Acrolein	2.233	56	25369	79.103	ug/l	99
14) Allyl chloride	2.654	41	39210	19.468	ug/l	98
15) Acrylonitrile	3.062	53	75766	101.896	ug/l	100
16) Acetone	2.386	43	65266	96.039	ug/l	98
17) Carbon Disulfide	2.501	76	49556	16.444	ug/l	99
18) Methyl Acetate	2.703	43	37547	22.967	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	73152	19.270	ug/l	100
20) Methylene Chloride	2.782	84	25802	19.167	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	21427	19.168	ug/l	93
22) Diisopropyl ether	3.757	45	79872	19.499	ug/l #	81
23) Vinyl Acetate	3.721	43	341251	99.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	43990	19.162	ug/l	97
25) 2-Butanone	4.556	43	105263	102.904	ug/l	98
26) 2,2-Dichloropropane	4.465	77	29182	27.101	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	26511	19.212	ug/l	96
28) Bromochloromethane	4.897	49	21801	19.924	ug/l	98
29) Tetrahydrofuran	5.007	42	67355	98.050	ug/l	99
30) Chloroform	5.086	83	44426	19.477	ug/l	98
31) Cyclohexane	5.458	56	37985	19.062	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	35413	19.223	ug/l	98
36) 1,1-Dichloropropene	5.684	75	28849	18.925	ug/l	99
37) Ethyl Acetate	4.714	43	36207	18.433	ug/l	98
38) Carbon Tetrachloride	5.672	117	29989	19.378	ug/l	94
39) Methylcyclohexane	7.373	83	36647	20.064	ug/l	97
40) Benzene	6.031	78	92458	19.208	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045215.D
Acq On : 11 Mar 2025 11:40
Operator : JC/MD
Sample : VX0311WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 01:44:49 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 :
VX0311WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	21766	20.493	ug/l		98
42) 1,2-Dichloroethane	6.086	62	34432	19.864	ug/l		100
43) Isopropyl Acetate	6.342	43	57873	19.925	ug/l		100
44) Trichloroethene	7.123	130	21499	19.021	ug/l		100
45) 1,2-Dichloropropane	7.427	63	23603	19.071	ug/l		93
46) Dibromomethane	7.580	93	17341	19.824	ug/l		99
47) Bromodichloromethane	7.818	83	33921	19.769	ug/l		99
48) Methyl methacrylate	7.696	41	29960	20.560	ug/l		98
49) 1,4-Dioxane	7.665	88	11450	372.504	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	212449	108.934	ug/l		99
52) Toluene	8.714	92	56008	19.831	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	28894	20.143	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	33564	20.066	ug/l		95
55) 1,1,2-Trichloroethane	9.153	97	23281	20.024	ug/l		99
56) Ethyl methacrylate	9.116	69	37256	21.080	ug/l		98
57) 1,3-Dichloropropane	9.305	76	41547	20.649	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	84737	98.289	ug/l		99
59) 2-Hexanone	9.427	43	154662	109.453	ug/l		99
60) Dibromochloromethane	9.518	129	24209	19.914	ug/l		99
61) 1,2-Dibromoethane	9.610	107	23982	20.662	ug/l		98
64) Tetrachloroethene	9.269	164	18450	19.341	ug/l		94
65) Chlorobenzene	10.079	112	61875	19.633	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	19978	19.035	ug/l		97
67) Ethyl Benzene	10.189	91	108234	19.710	ug/l		98
68) m/p-Xylenes	10.299	106	80292	39.941	ug/l		97
69) o-Xylene	10.640	106	40924	20.185	ug/l		98
70) Styrene	10.652	104	67151	20.469	ug/l		99
71) Bromoform	10.799	173	16098	20.340	ug/l	#	99
73) Isopropylbenzene	10.957	105	104215	19.390	ug/l		99
74) N-amyl acetate	10.841	43	49701	19.707	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	38763	19.653	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	30828m	19.234	ug/l		
77) Bromobenzene	11.195	156	24637	19.428	ug/l		97
78) n-propylbenzene	11.305	91	121031	19.934	ug/l		99
79) 2-Chlorotoluene	11.360	91	74800	19.344	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	87336	20.096	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8951	19.112	ug/l		92
82) 4-Chlorotoluene	11.451	91	84411	20.030	ug/l		100
83) tert-Butylbenzene	11.713	119	86368	19.342	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	87556	20.023	ug/l		100
85) sec-Butylbenzene	11.890	105	109529	20.477	ug/l		99
86) p-Isopropyltoluene	12.006	119	88543	20.483	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	44375	19.615	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	43983	19.217	ug/l		98
89) n-Butylbenzene	12.329	91	76829	20.636	ug/l		99
90) Hexachloroethane	12.536	117	14287	18.273	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	44841	19.759	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7436	19.352	ug/l		98
93) 1,2,4-Trichlorobenzene	13.591	180	25138	19.453	ug/l		97
94) Hexachlorobutadiene	13.725	225	10532	19.880	ug/l		98
95) Naphthalene	13.774	128	95200	19.175	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	26292	19.287	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045215.D
Acq On : 11 Mar 2025 11:40
Operator : JC/MD
Sample : VX0311WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 01:44:49 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 :
VX0311WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

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

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

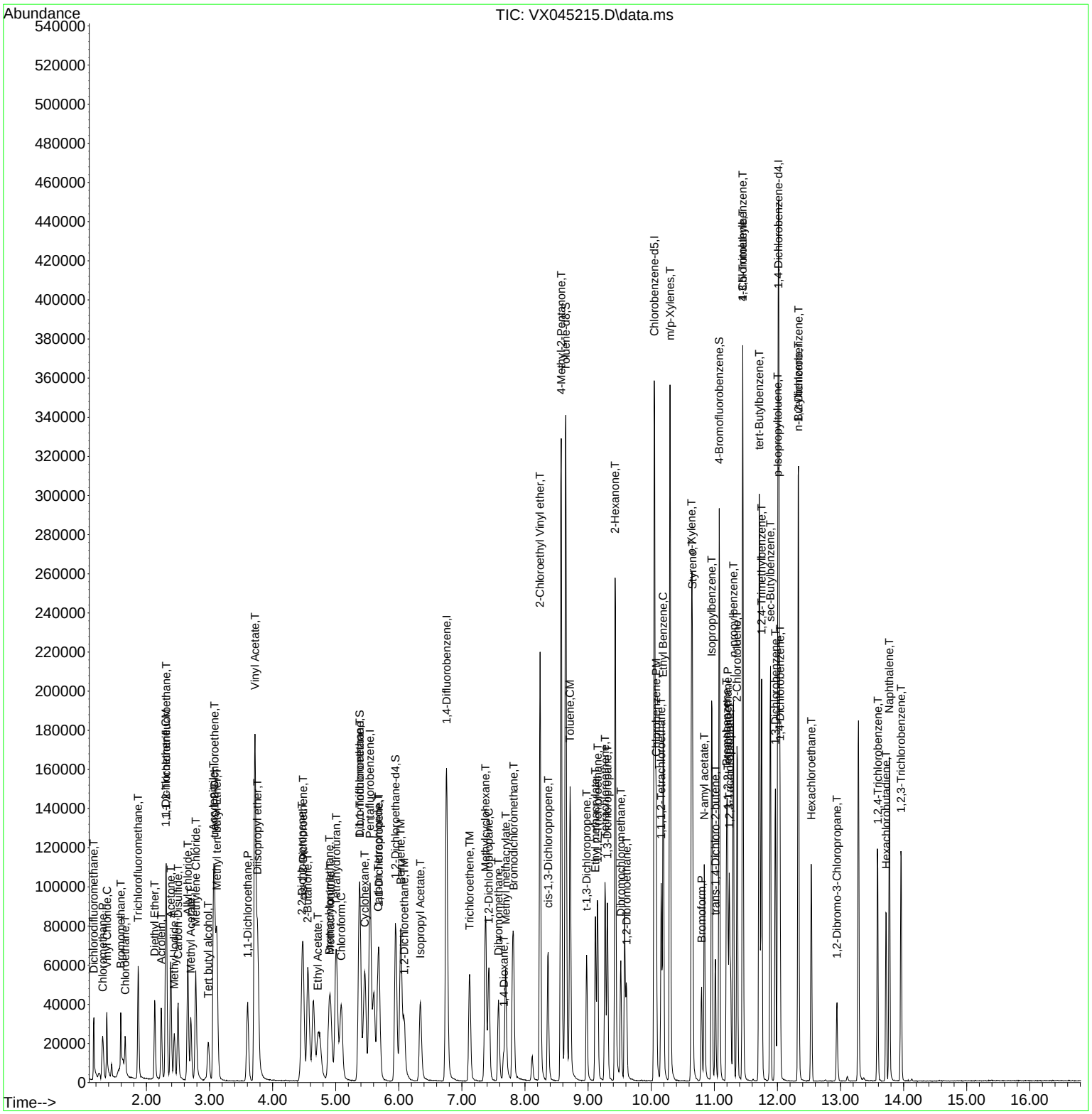
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Acq On : 11 Mar 2025 11:40
Operator : JC/MD
Sample : VX0311WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

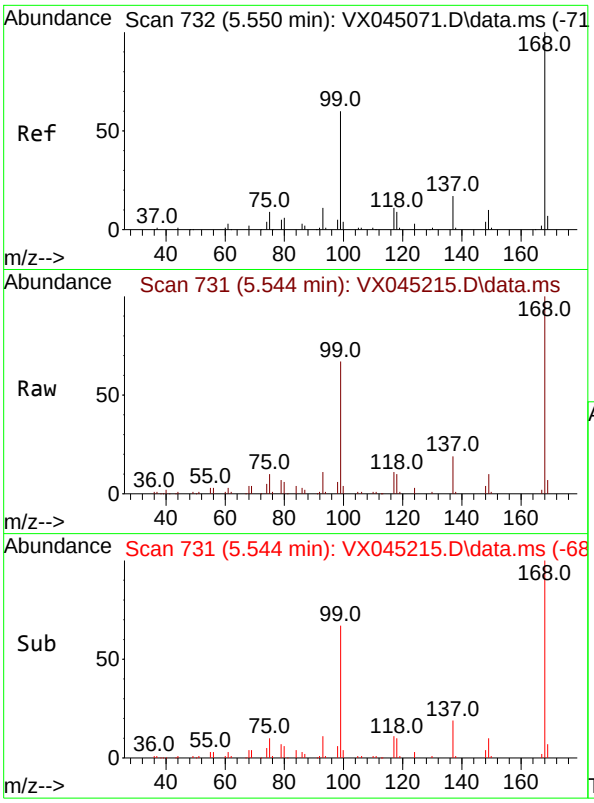
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QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
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ClientSampleId :
VX0311WBSD01

Manual Integrations APPROVED

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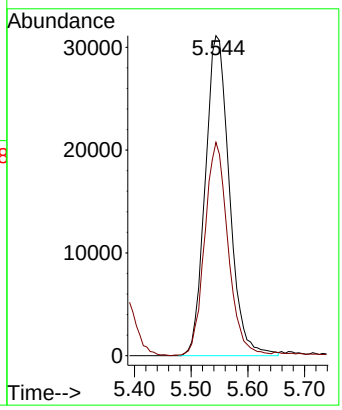




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:168 Resp: 9208

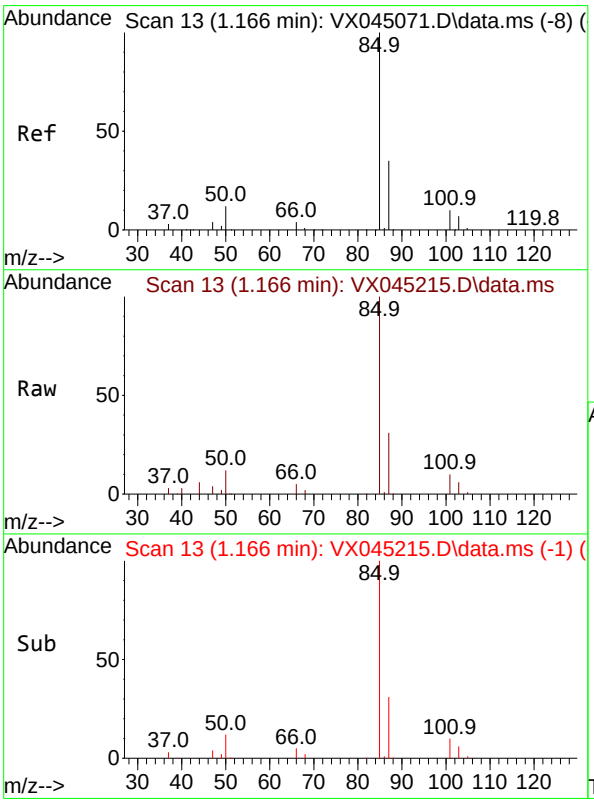
Ion	Ratio	Lower	Upper
168	100		
99	66.5	48.2	72.4



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

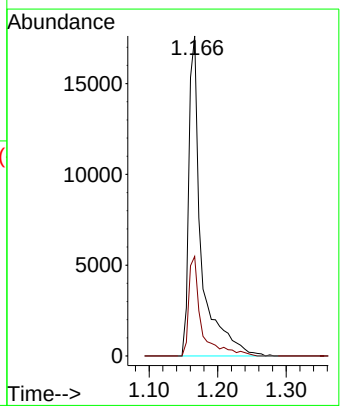
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

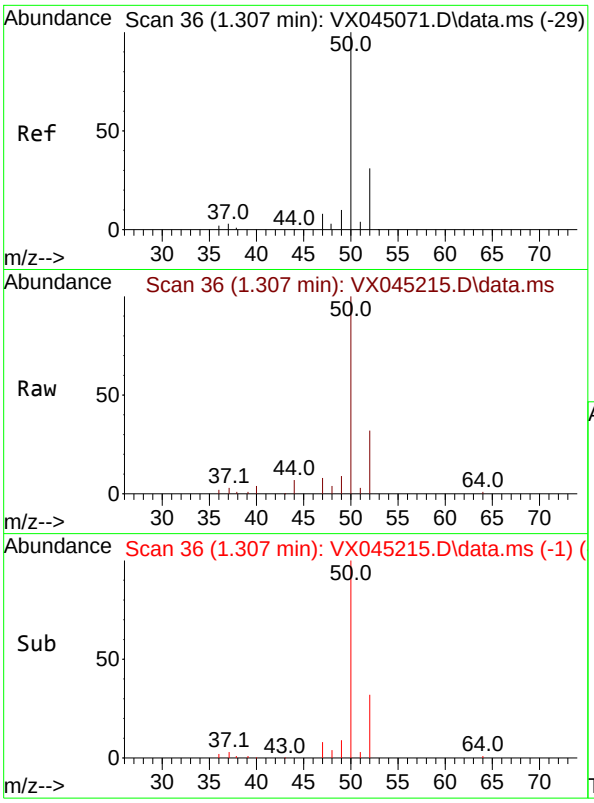


#2
Dichlorodifluoromethane
Concen: 19.355 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 85 Resp: 22434

Ion	Ratio	Lower	Upper
85	100		
87	31.1	17.4	52.3

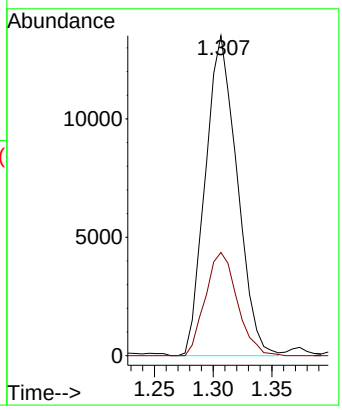




#3
Chloromethane
Concen: 17.909 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 50 Resp: 2540

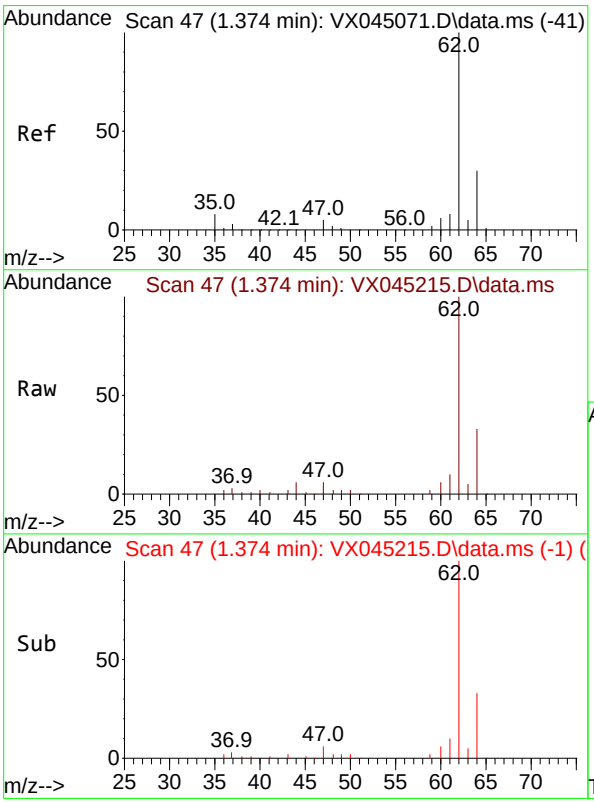
Ion	Ratio	Lower	Upper
50	100		
52	32.3	25.0	37.4



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

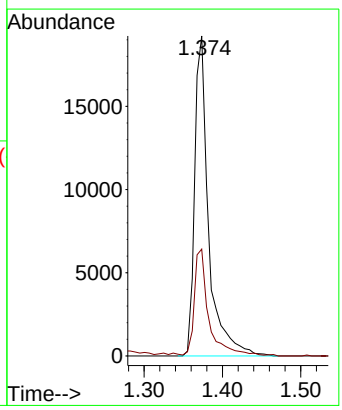
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

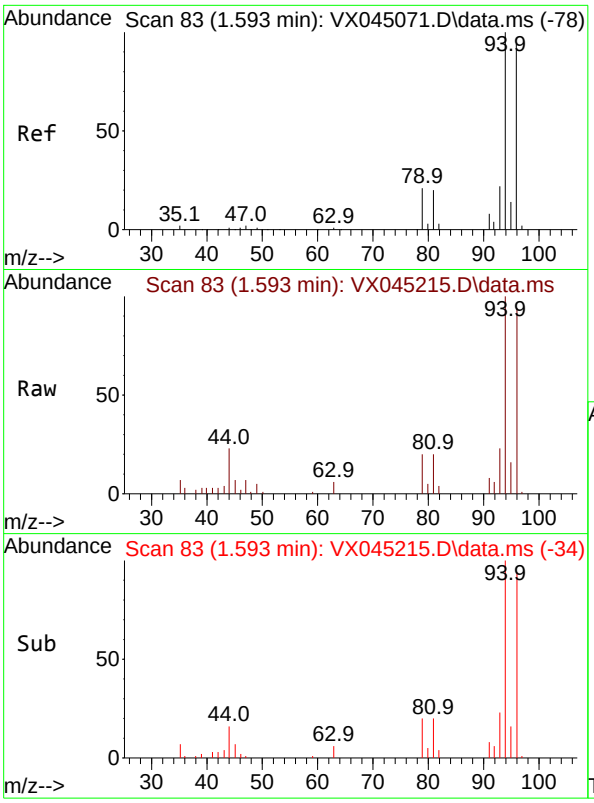


#4
Vinyl Chloride
Concen: 16.928 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 62 Resp: 23820

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.3	36.5





#5
Bromomethane
Concen: 19.112 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

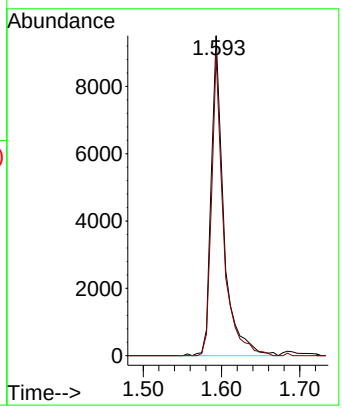
Tgt Ion: 94 Resp: 1057

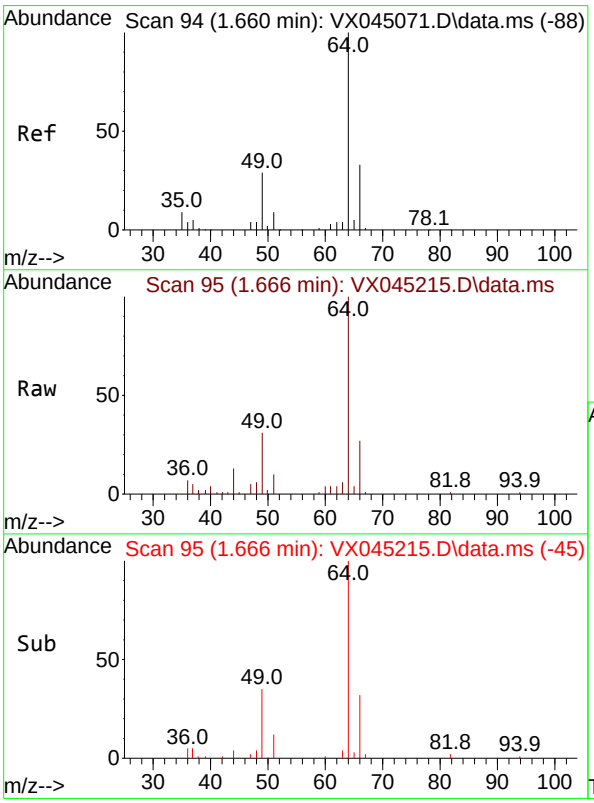
Ion	Ratio	Lower	Upper
94	100		
96	93.8	75.0	112.4

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

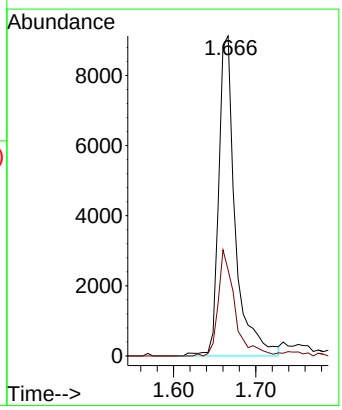


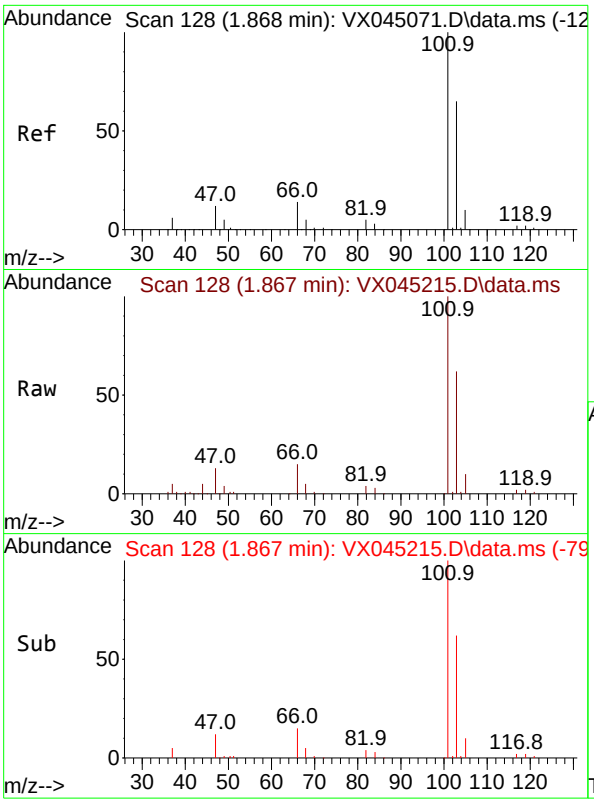


#6
Chloroethane
Concen: 19.661 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 64 Resp: 12761

Ion	Ratio	Lower	Upper
64	100		
66	26.8	26.7	40.1





#7
Trichlorofluoromethane
Concen: 18.670 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

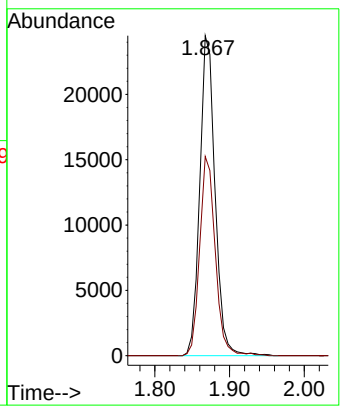
Tgt Ion:101 Resp: 3477

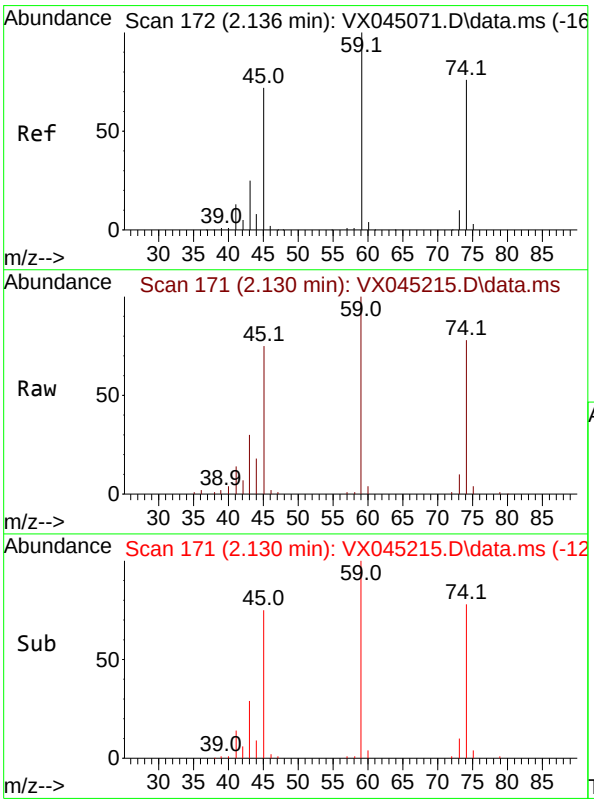
Ion	Ratio	Lower	Upper
101	100		
103	62.3	52.1	78.1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

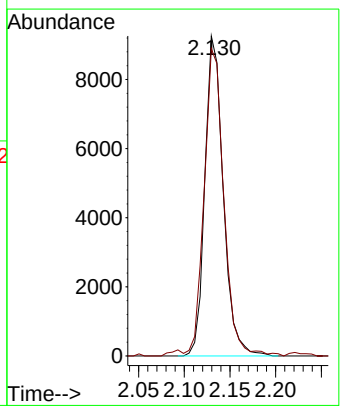


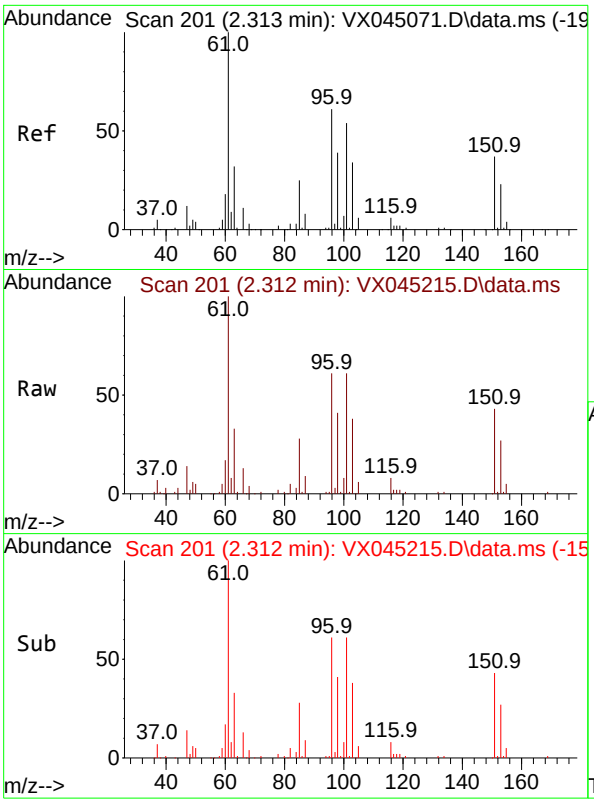


#8
Diethyl Ether
Concen: 17.718 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 74 Resp: 12910

Ion	Ratio	Lower	Upper
74	100		
45	104.1	51.5	154.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.696 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

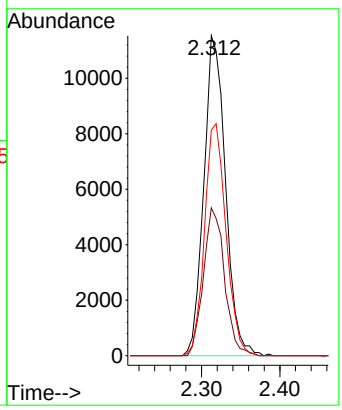
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

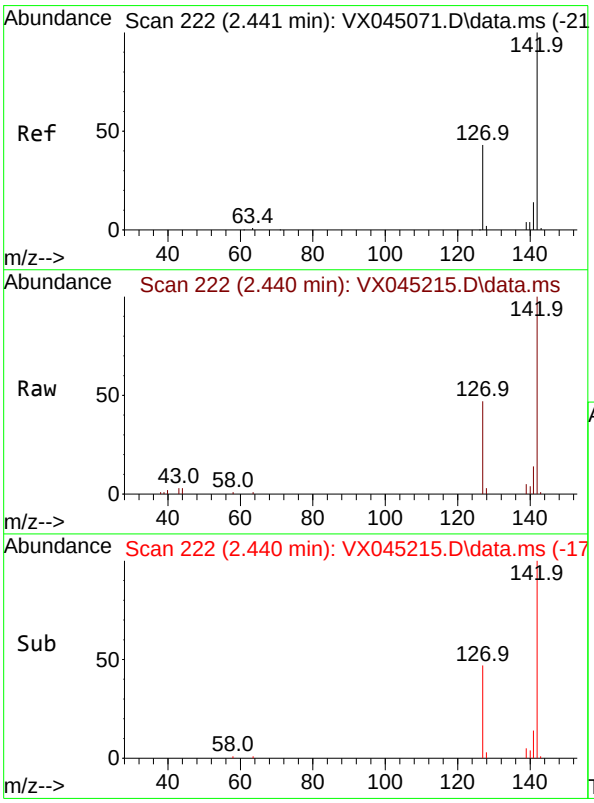
Tgt Ion:101 Resp: 2214

Ion	Ratio	Lower	Upper
101	100		
85	45.0	36.2	54.4
151	71.9	56.4	84.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
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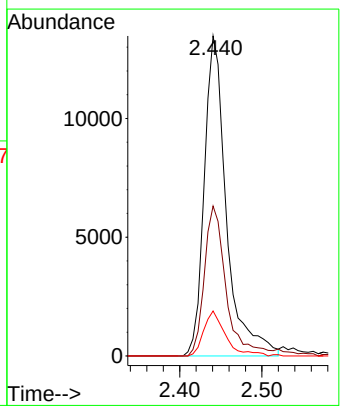


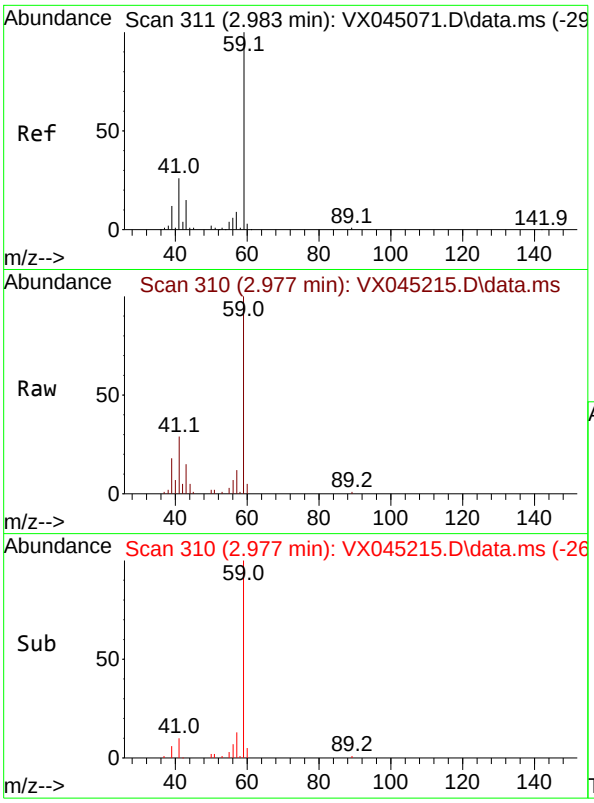


#10
Methyl Iodide
Concen: 18.912 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:142 Resp: 25294

Ion	Ratio	Lower	Upper
142	100		
127	47.6	35.4	53.2
141	13.9	11.6	17.4





#11
Tert butyl alcohol
Concen: 84.116 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

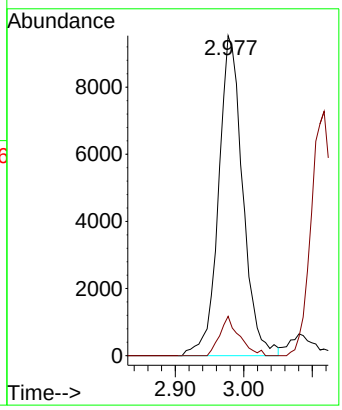
Tgt Ion: 59 Resp: 2333

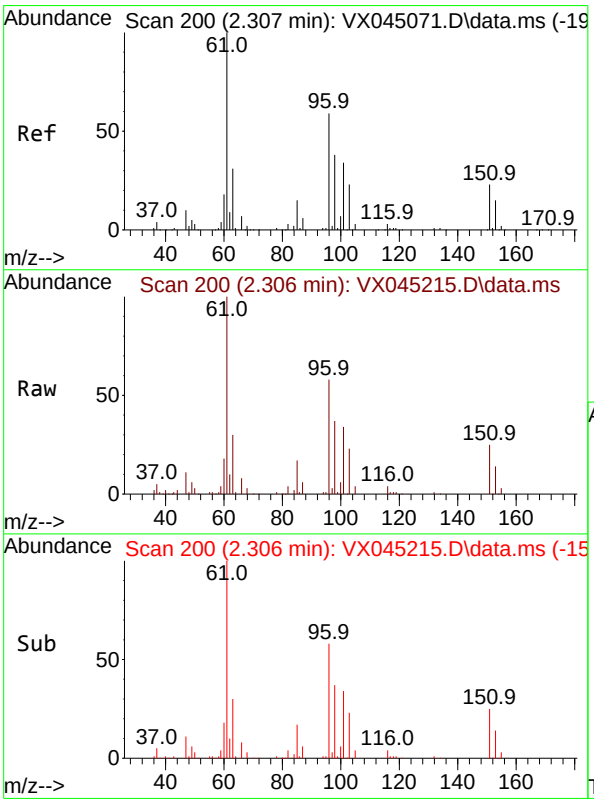
Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

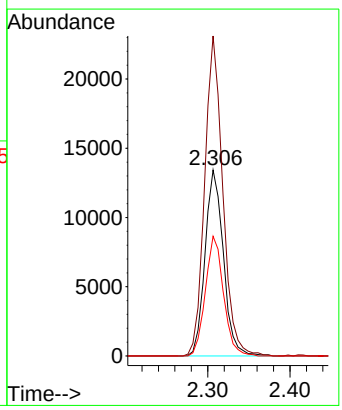


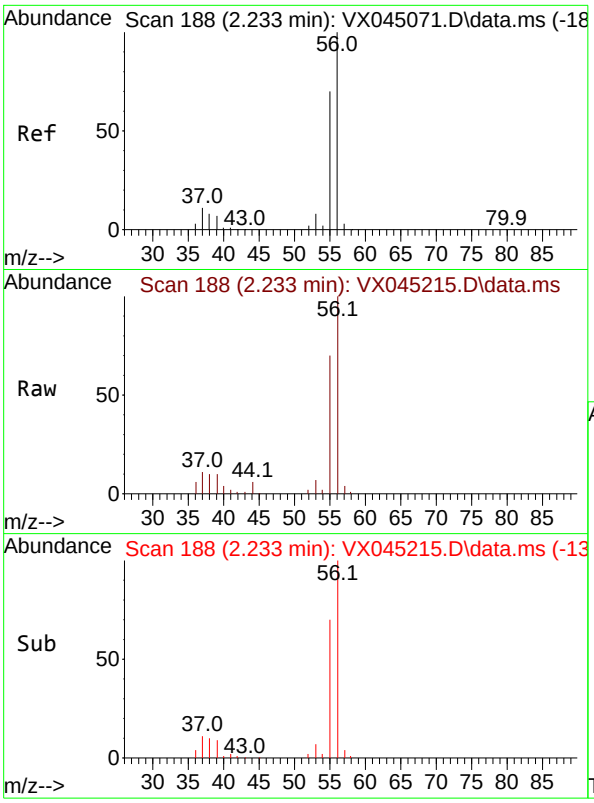


#12
1,1-Dichloroethene
Concen: 18.403 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 96 Resp: 20823

Ion	Ratio	Lower	Upper
96	100		
61	172.1	134.6	202.0
98	64.4	51.0	76.6

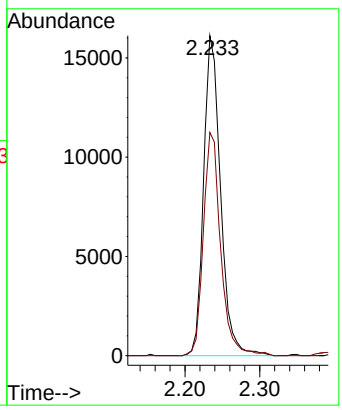




#13
Acrolein
Concen: 79.103 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 56 Resp: 2536

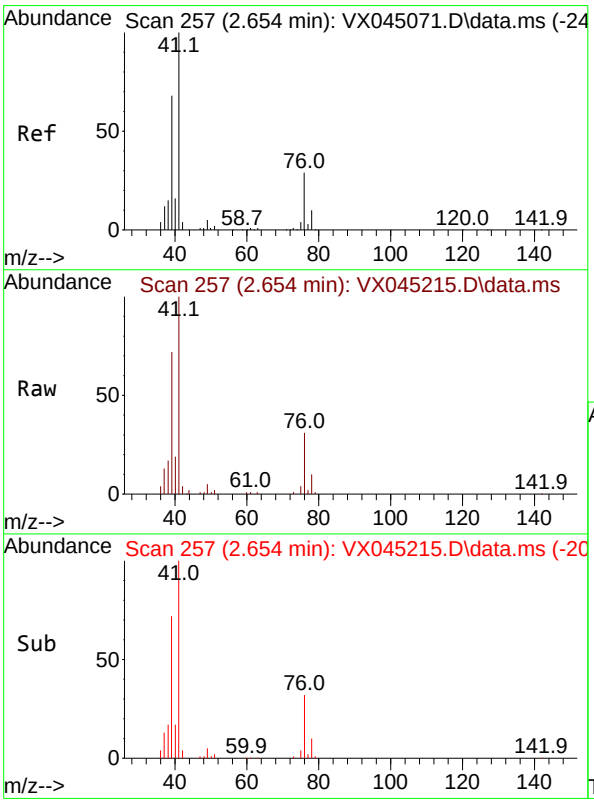
Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

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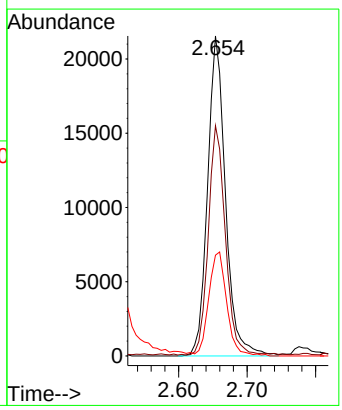
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

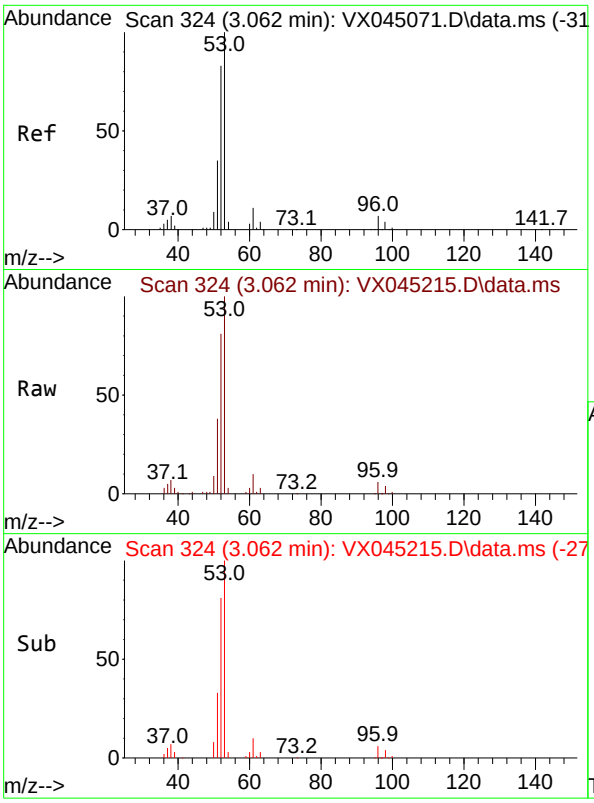


#14
Allyl chloride
Concen: 19.468 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 41 Resp: 39210

Ion	Ratio	Lower	Upper
41	100		
39	68.5	53.8	80.8
76	32.6	25.2	37.8





#15
Acrylonitrile
Concen: 101.896 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

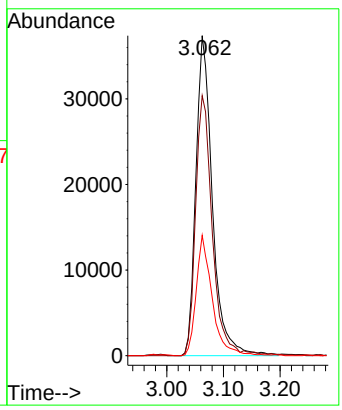
Tgt Ion: 53 Resp: 7576

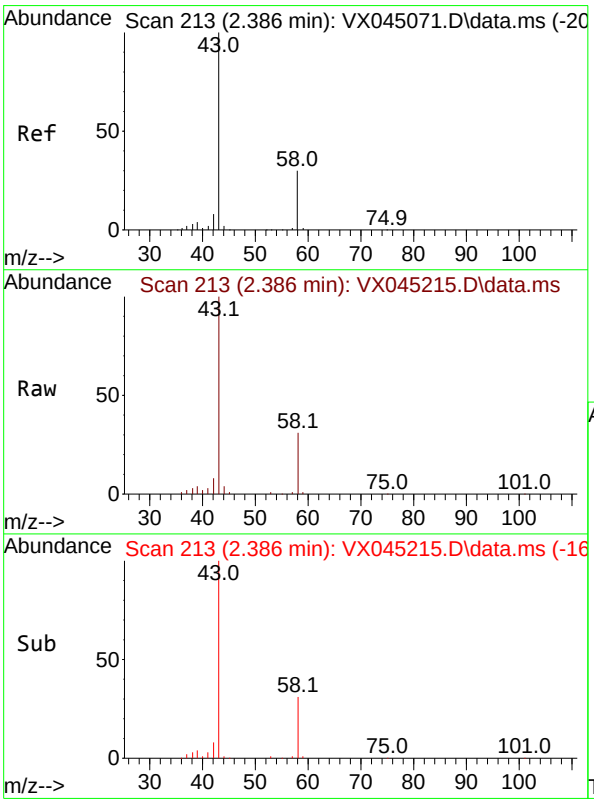
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	36.4	29.0	43.4

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

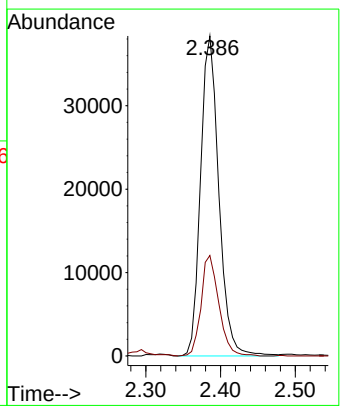


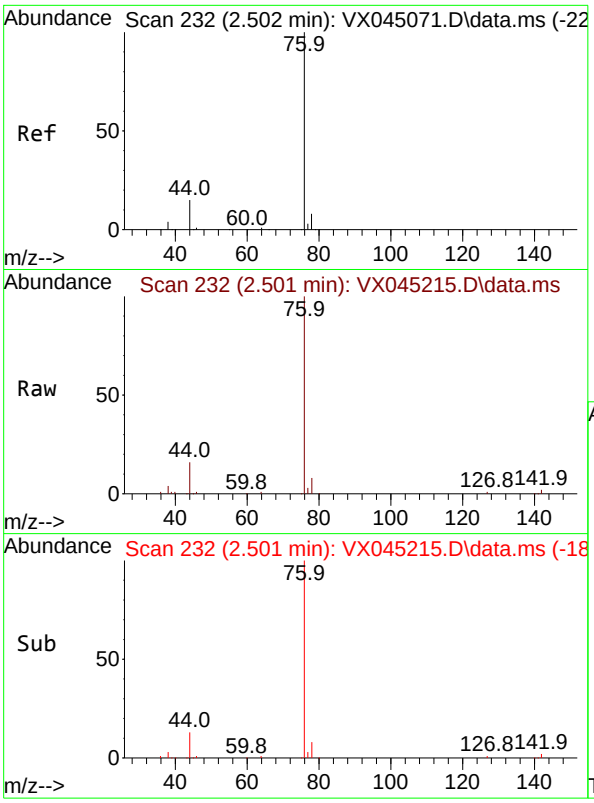


#16
Acetone
Concen: 96.039 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 43 Resp: 65266

Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.2	36.4





#17
Carbon Disulfide
Concen: 16.444 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

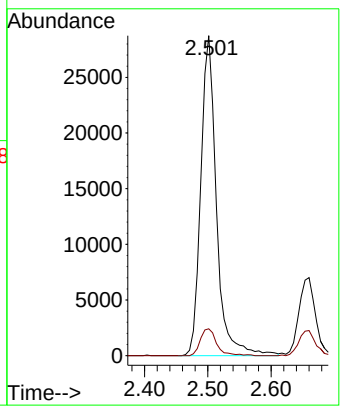
Tgt Ion: 76 Resp: 4955

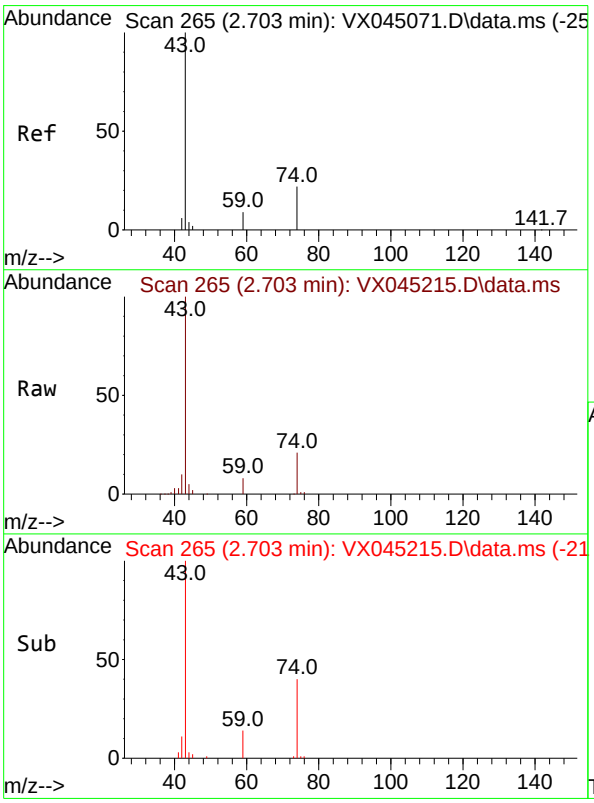
Ion	Ratio	Lower	Upper
76	100		
78	8.4	6.6	9.8

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

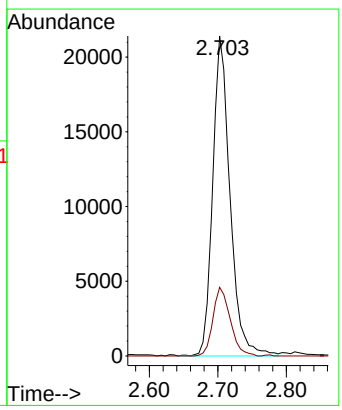


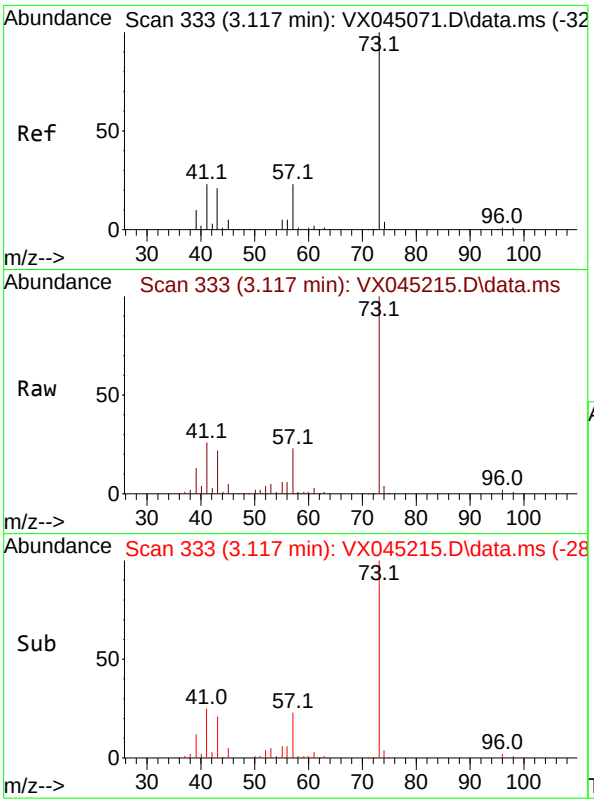


#18
Methyl Acetate
Concen: 22.967 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 43 Resp: 37547

Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.4	26.2

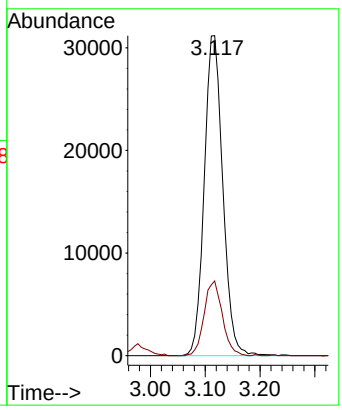




#19
Methyl tert-butyl Ether
Concen: 19.270 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 73 Resp: 7315

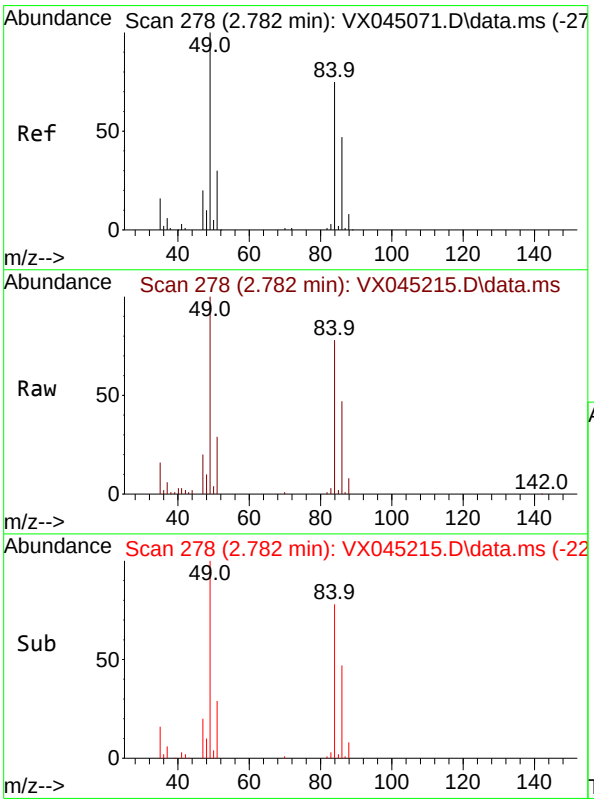
Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.5	27.7



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

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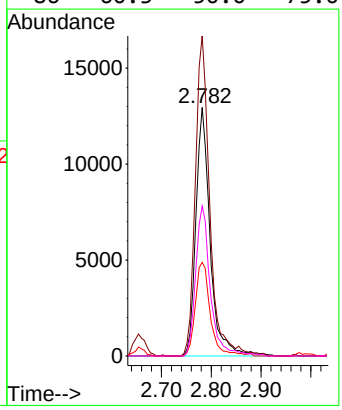
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

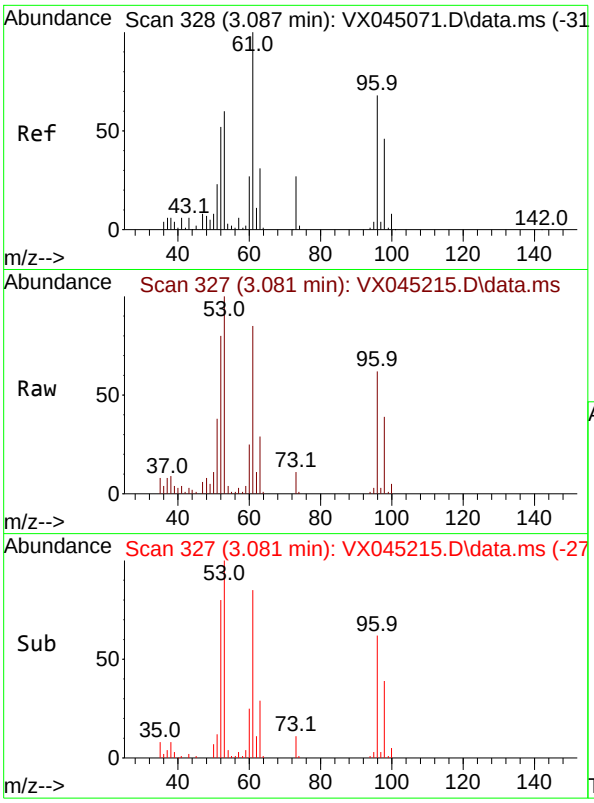


#20
Methylene Chloride
Concen: 19.167 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 84 Resp: 25802

Ion	Ratio	Lower	Upper
84	100		
49	128.8	106.5	159.7
51	37.7	32.1	48.1
86	60.3	50.0	75.0





#21
trans-1,2-Dichloroethene
Concen: 19.168 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

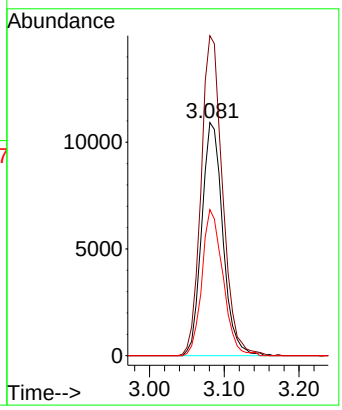
Tgt Ion: 96 Resp: 2142

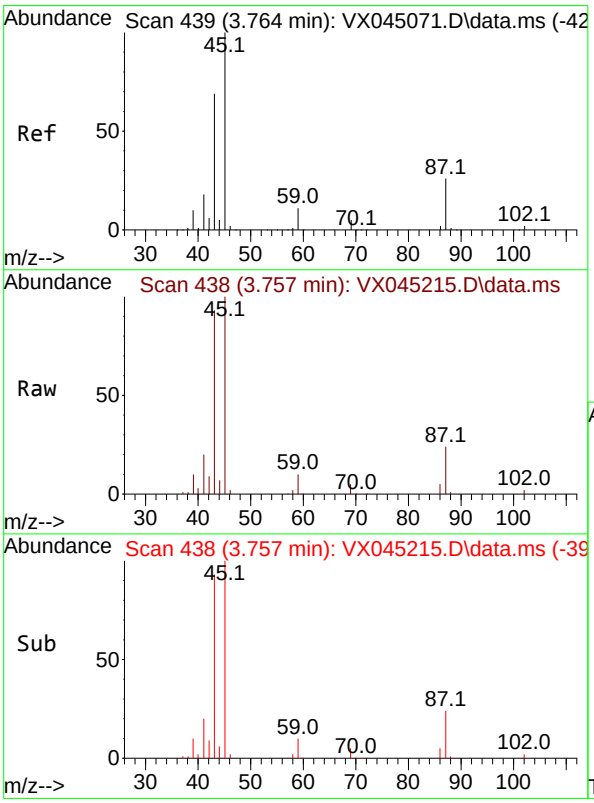
Ion	Ratio	Lower	Upper
96	100		
61	137.3	117.0	175.4
98	62.7	53.4	80.2

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

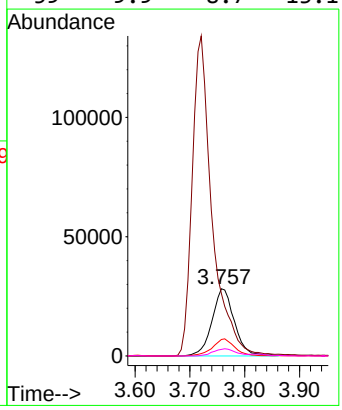


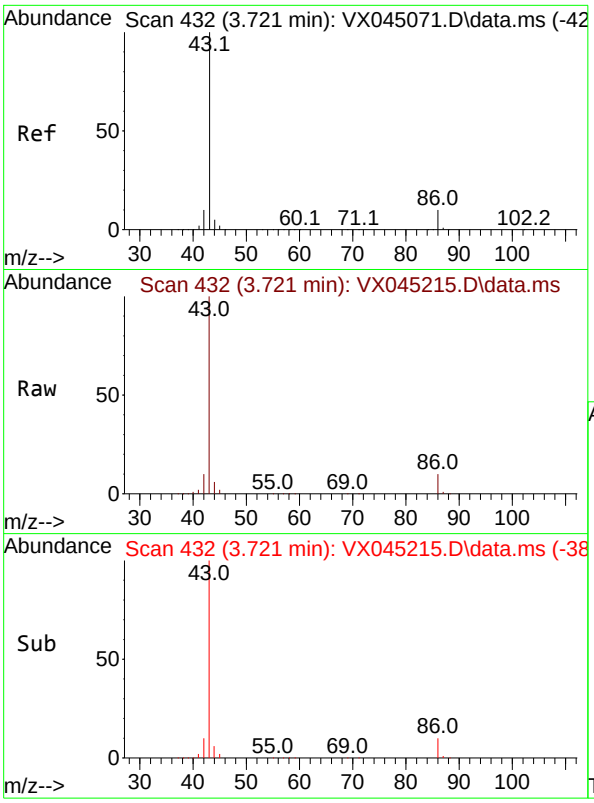


#22
Diisopropyl ether
Concen: 19.499 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 45 Resp: 79872

Ion	Ratio	Lower	Upper
45	100		
43	91.5	54.9	82.3#
87	24.5	21.0	31.4
59	9.9	8.7	13.1





#23
Vinyl Acetate
Concen: 99.830 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

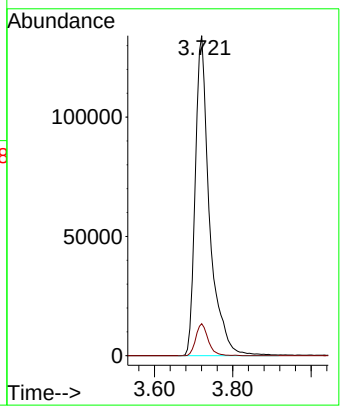
Tgt Ion: 43 Resp: 34125

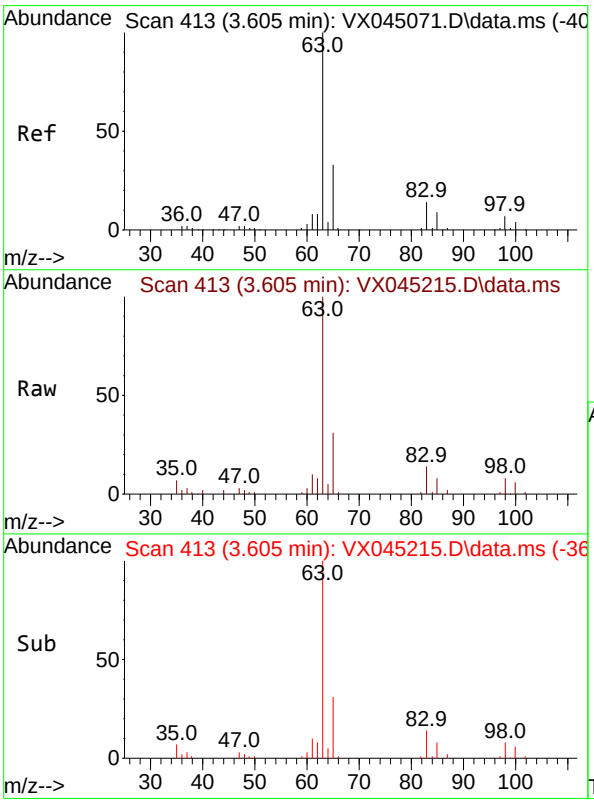
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

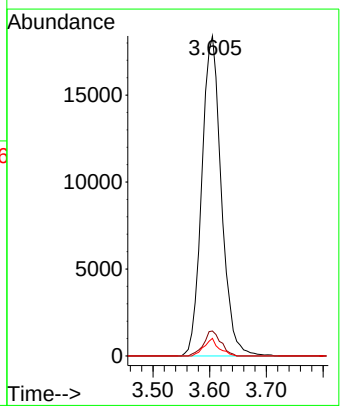


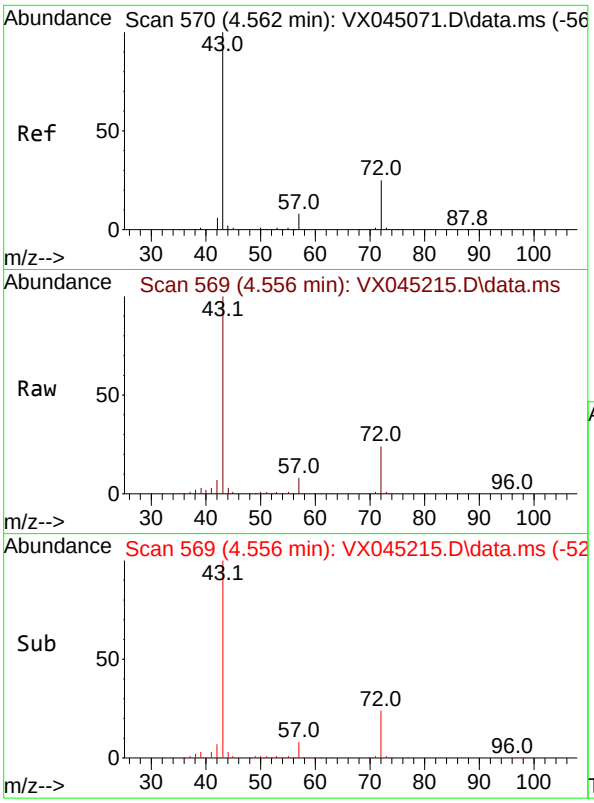


#24
1,1-Dichloroethane
Concen: 19.162 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 63 Resp: 43990

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.4	10.2
100	5.5	2.1	6.5





#25
2-Butanone
Concen: 102.904 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

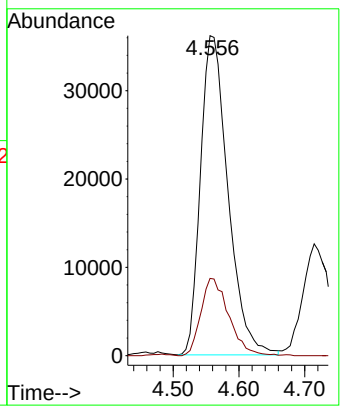
Tgt Ion: 43 Resp: 10526

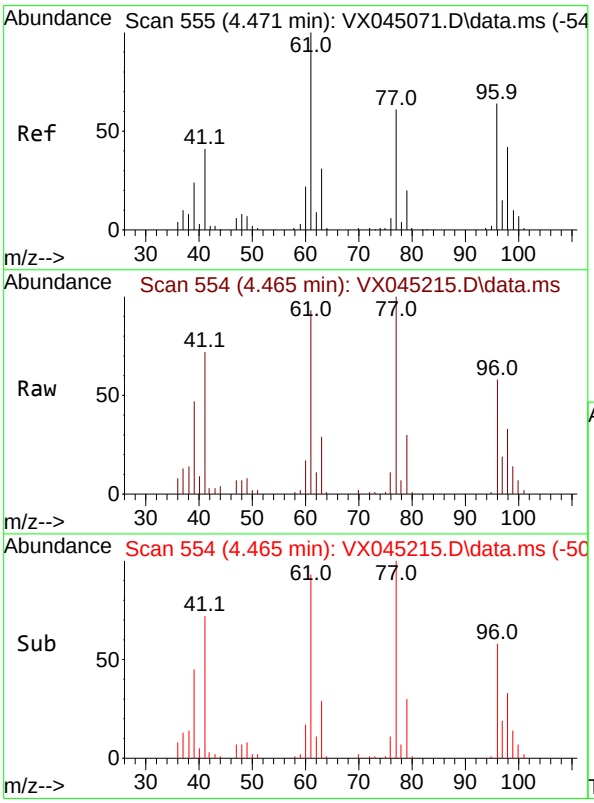
Ion	Ratio	Lower	Upper
43	100		
72	24.2	20.0	30.0

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
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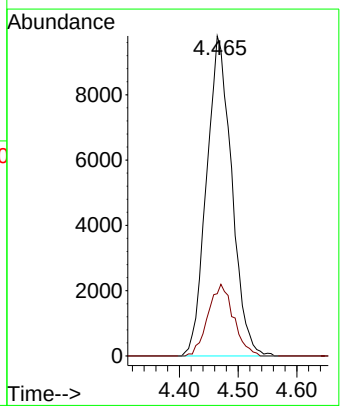


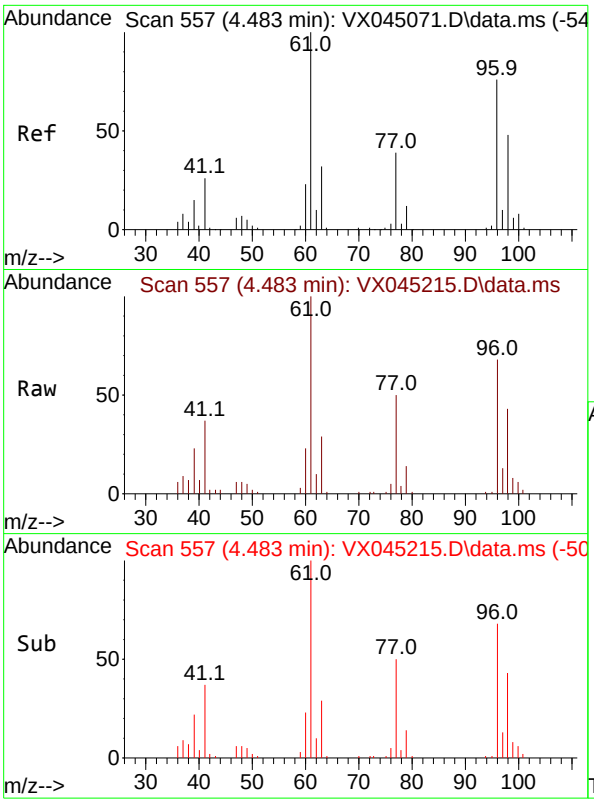


#26
2,2-Dichloropropane
Concen: 27.101 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 77 Resp: 29182

Ion	Ratio	Lower	Upper
77	100		
97	22.8	12.4	37.0





#27
cis-1,2-Dichloroethene
Concen: 19.212 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

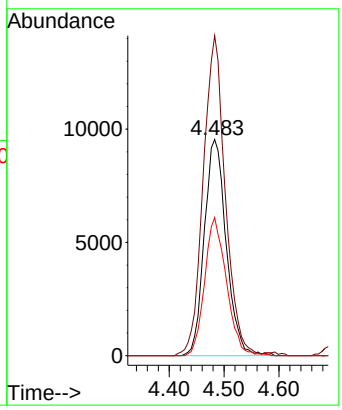
Tgt Ion: 96 Resp: 2651

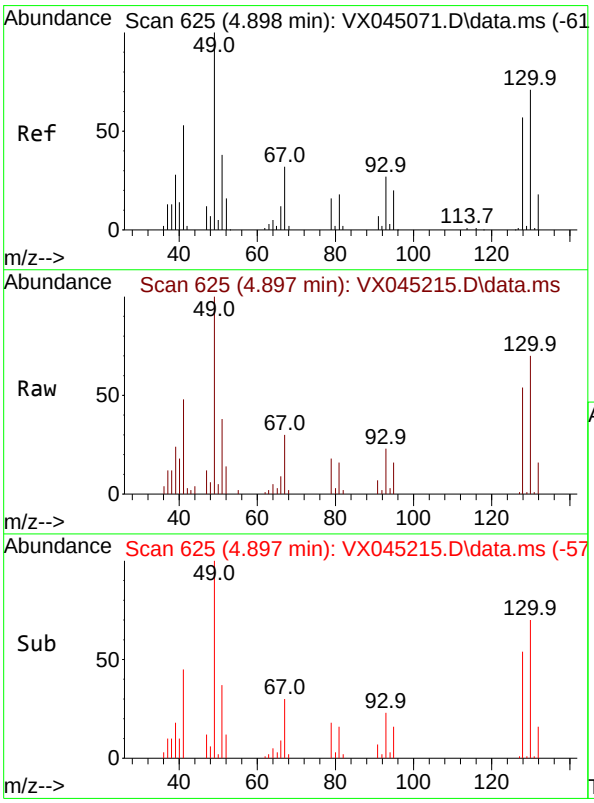
Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	283.2
98	63.4	0.0	128.0

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

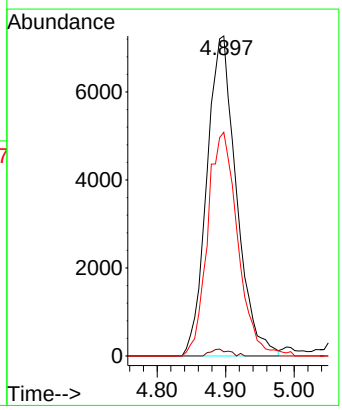


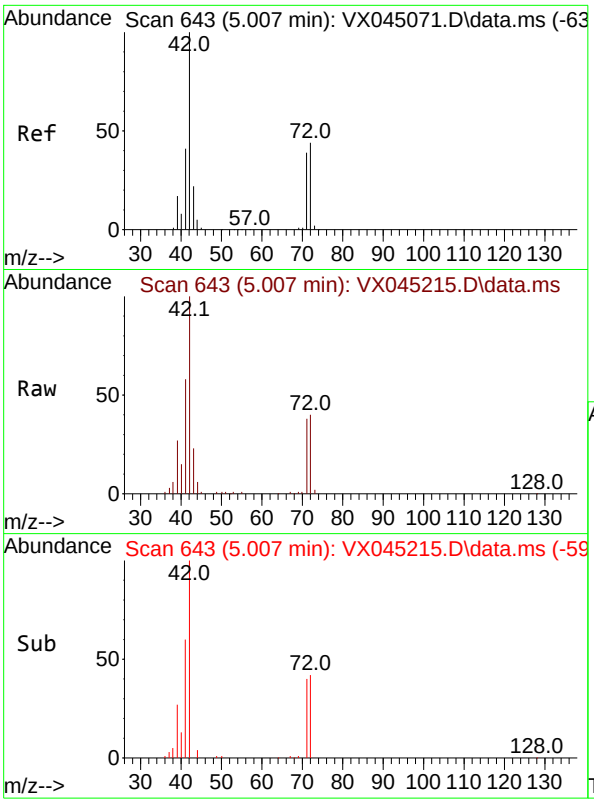


#28
Bromochloromethane
Concen: 19.924 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 49 Resp: 21801

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.4
130	71.4	56.1	84.1





#29
Tetrahydrofuran
Concen: 98.050 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

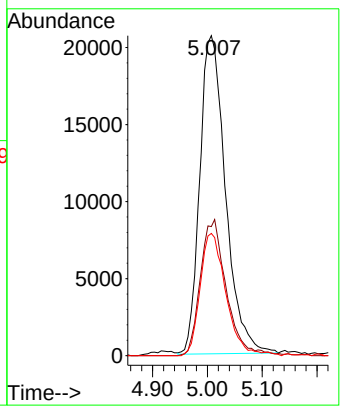
Tgt Ion: 42 Resp: 6735

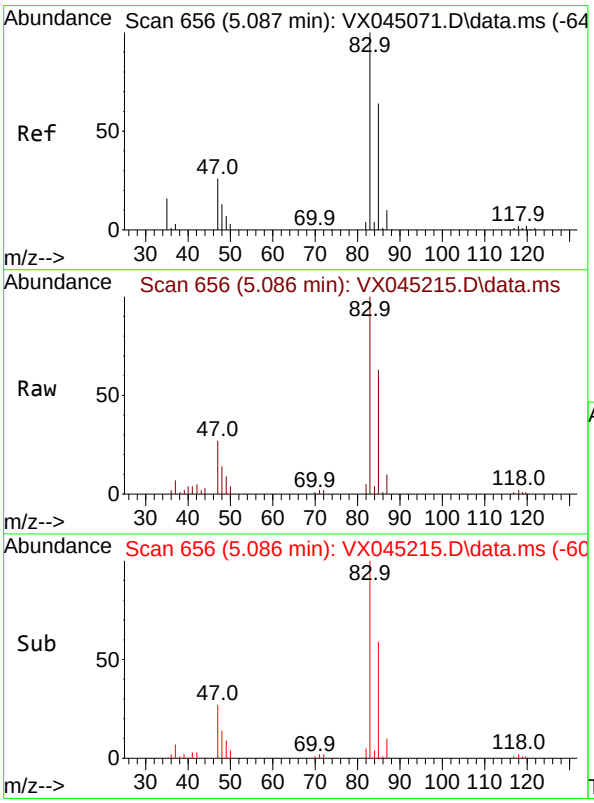
Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.1	51.1
71	38.5	31.4	47.0

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

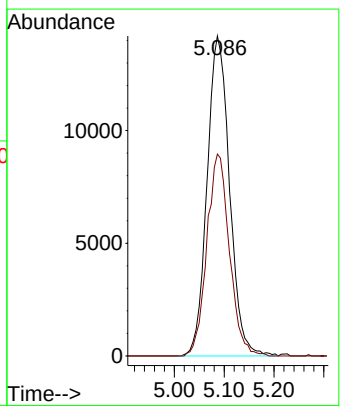


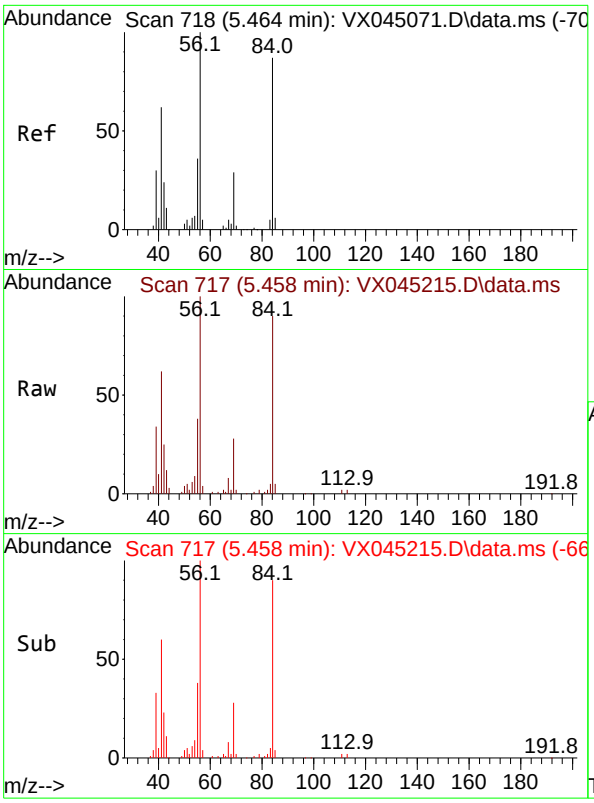


#30
Chloroform
Concen: 19.477 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 83 Resp: 44426

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.4	77.2

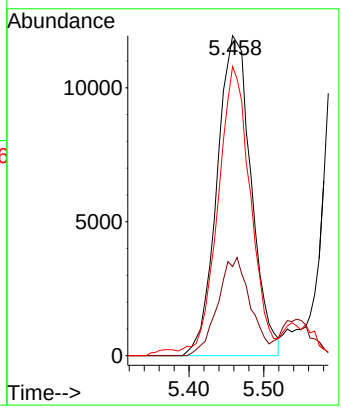




#31
Cyclohexane
Concen: 19.062 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 56 Resp: 3798

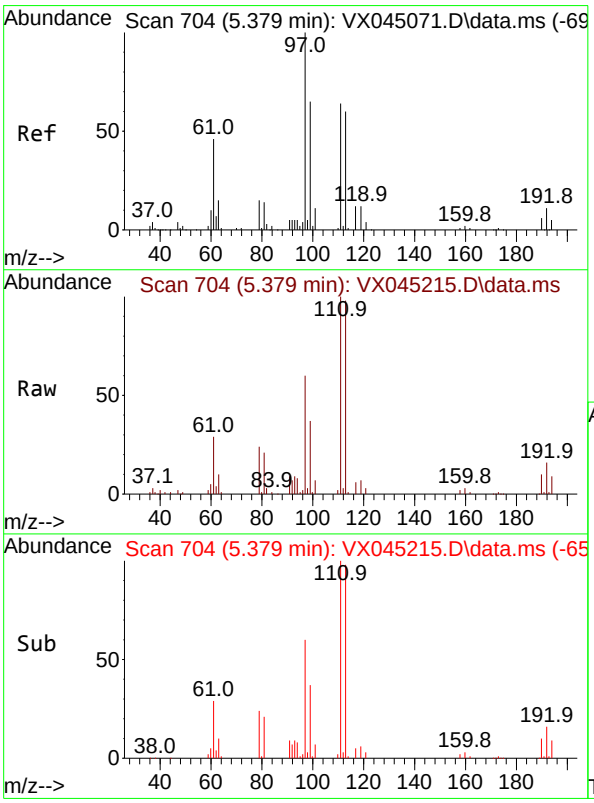
Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.4	35.2
84	88.9	69.4	104.2



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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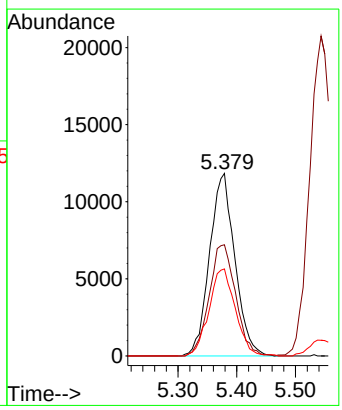
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

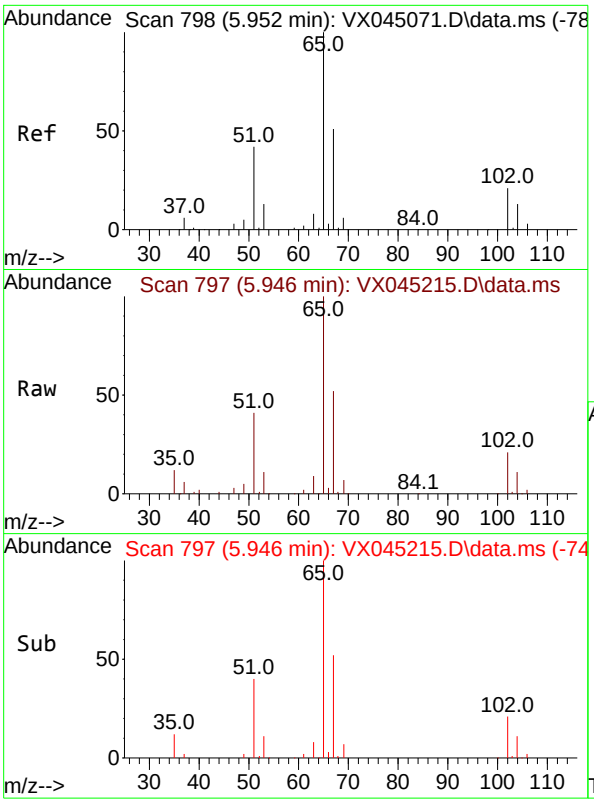


#32
1,1,1-Trichloroethane
Concen: 19.223 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 97 Resp: 35413

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	49.7	38.4	57.6

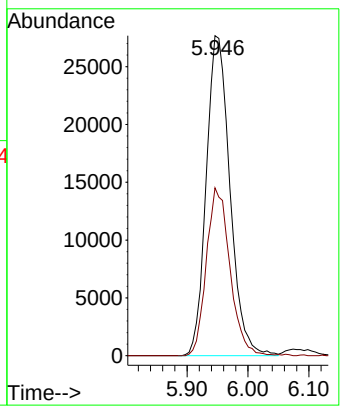




#33
1,2-Dichloroethane-d4
Concen: 51.107 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 65 Resp: 7485

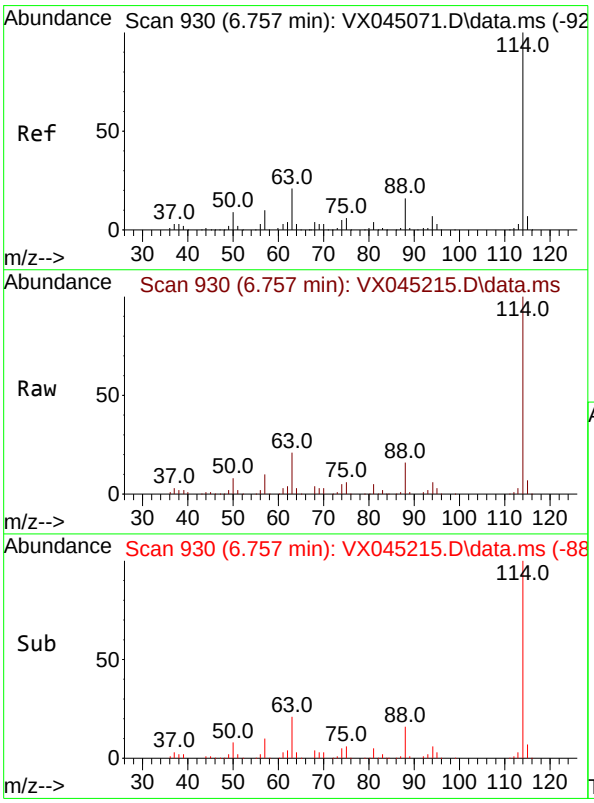
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	106.2



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

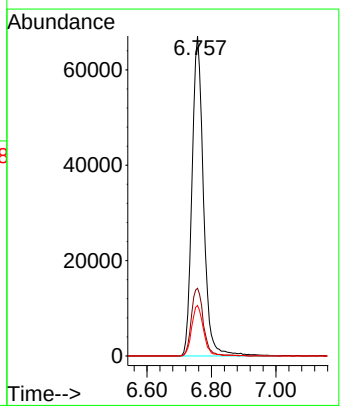
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

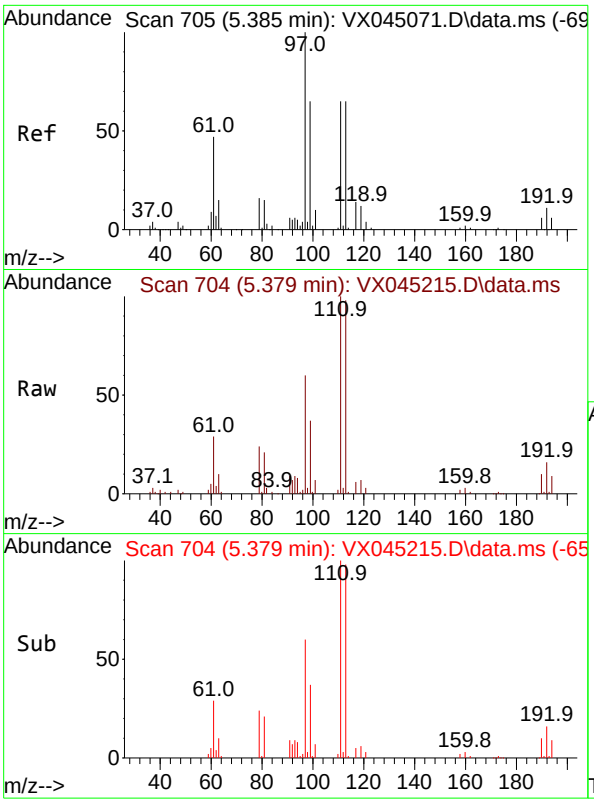


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:114 Resp: 166231

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.8
88	15.8	0.0	32.8

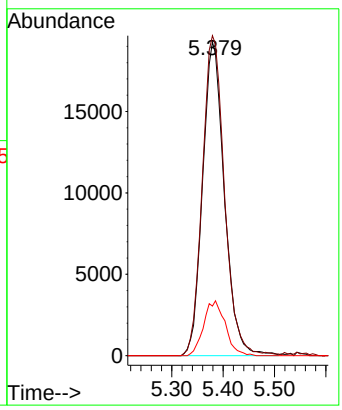




#35
Dibromofluoromethane
Concen: 50.961 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:113 Resp: 5664

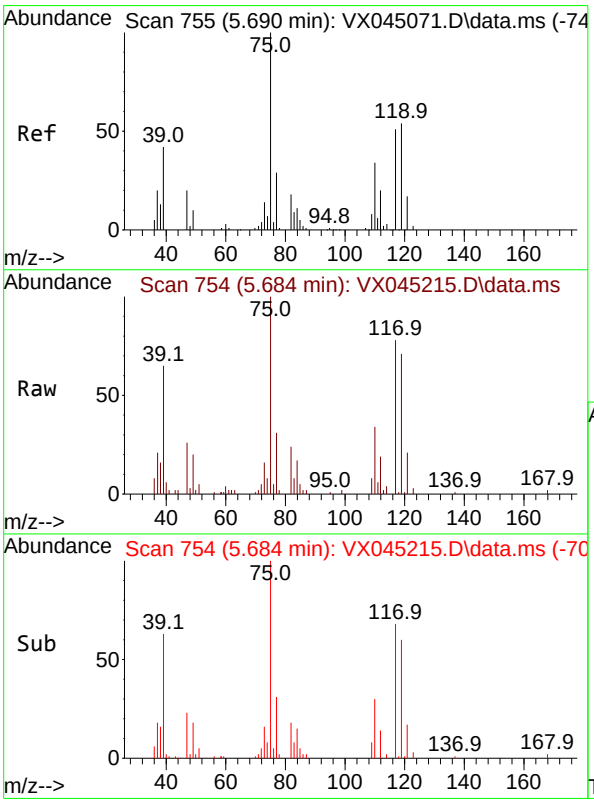
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.6
192	17.5	14.3	21.5



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

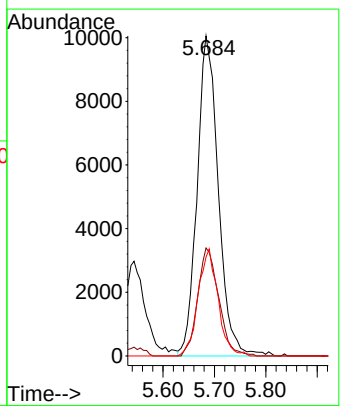
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

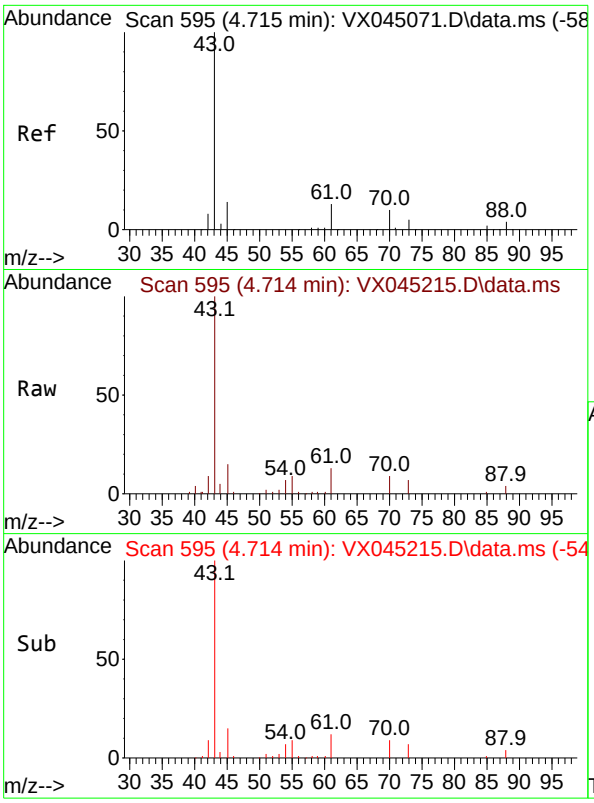


#36
1,1-Dichloropropene
Concen: 18.925 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 75 Resp: 28849

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.9	50.6
77	31.4	24.5	36.7

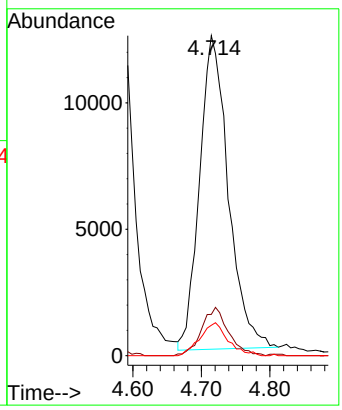




#37
Ethyl Acetate
Concen: 18.433 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 43 Resp: 3620

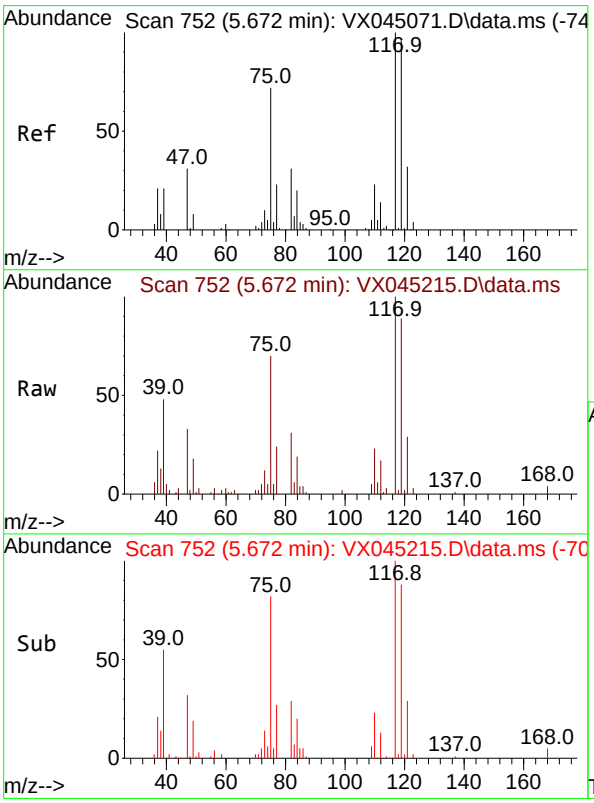
Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.8	16.2
70	10.2	7.7	11.5



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

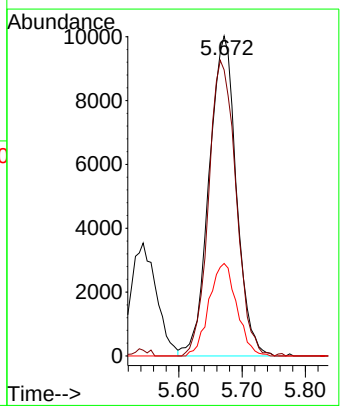
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

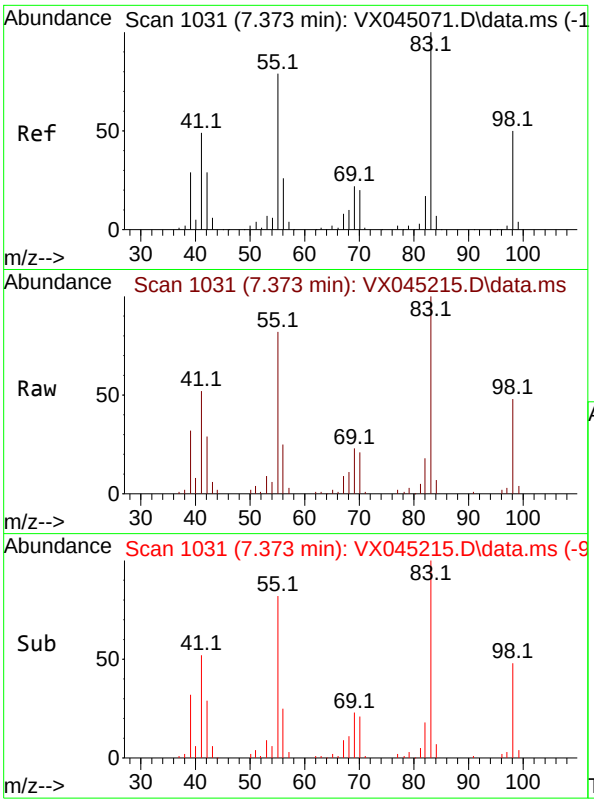


#38
Carbon Tetrachloride
Concen: 19.378 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:117 Resp: 29989

Ion	Ratio	Lower	Upper
117	100		
119	89.4	76.7	115.1
121	28.9	25.5	38.3

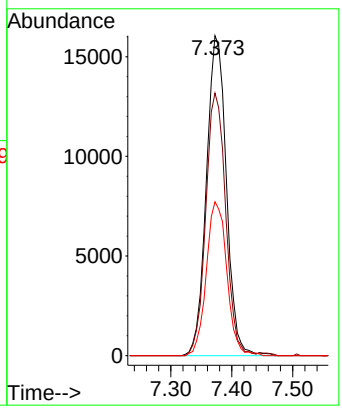




#39
Methylcyclohexane
Concen: 20.064 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 83 Resp: 3664

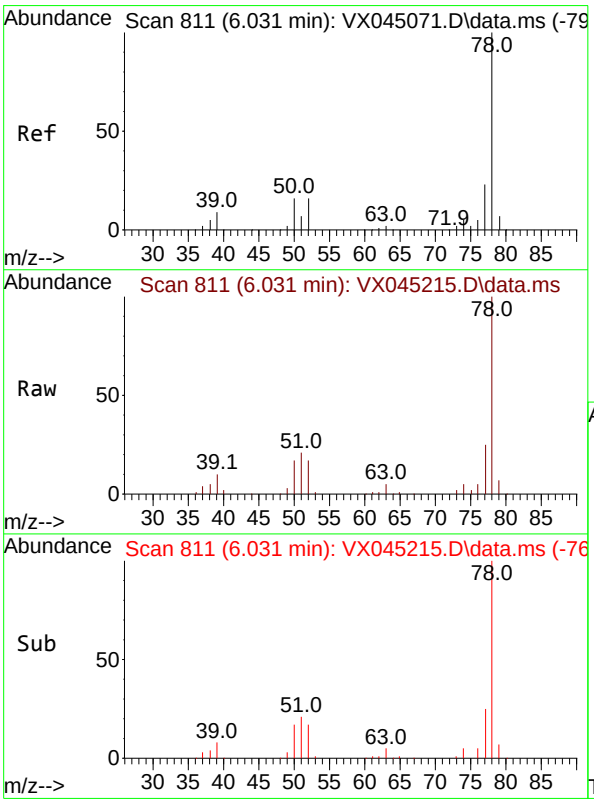
Ion	Ratio	Lower	Upper
83	100		
55	82.0	63.0	94.4
98	48.1	39.7	59.5



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

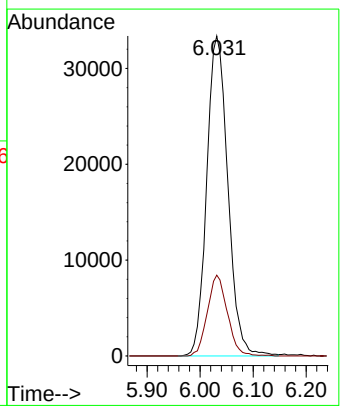
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

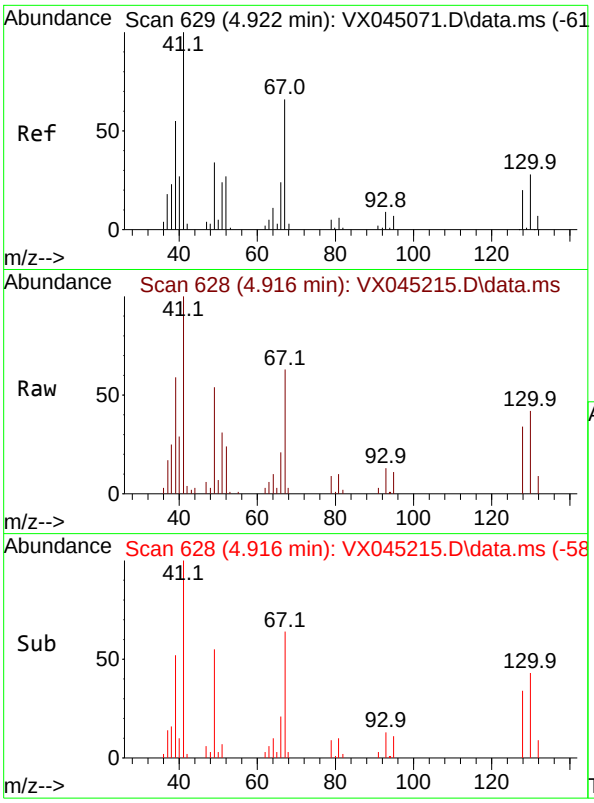


#40
Benzene
Concen: 19.208 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 78 Resp: 92458

Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.8	28.2

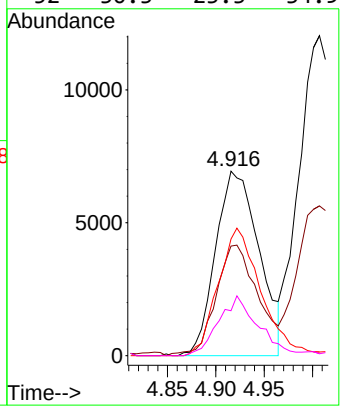




#41
Methacrylonitrile
Concen: 20.493 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 41 Resp: 2176

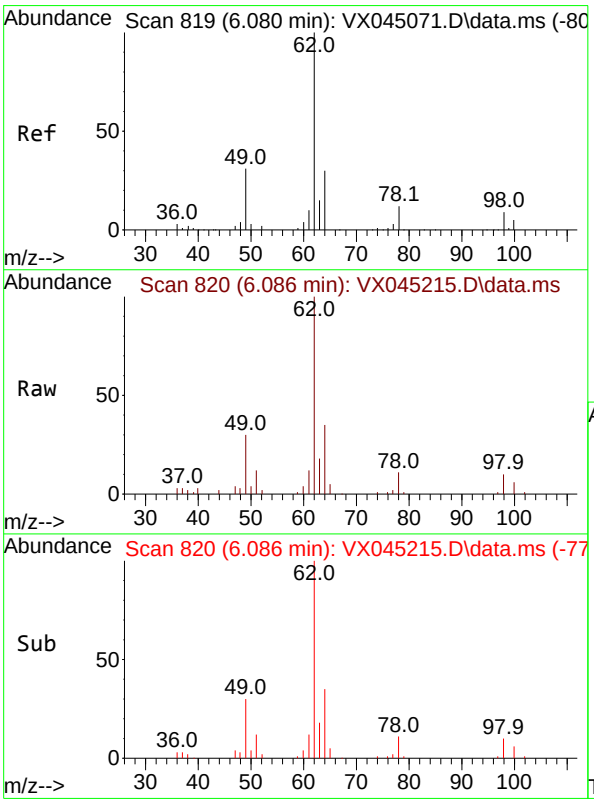
Ion	Ratio	Lower	Upper
41	100		
39	57.7	44.6	67.0
67	68.5	53.9	80.9
52	30.3	23.3	34.9



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

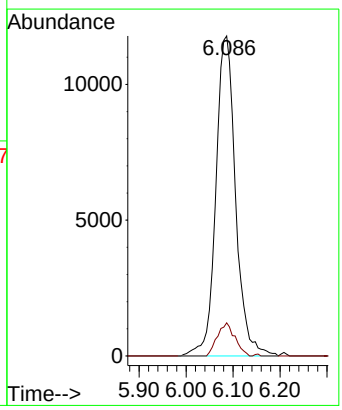
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

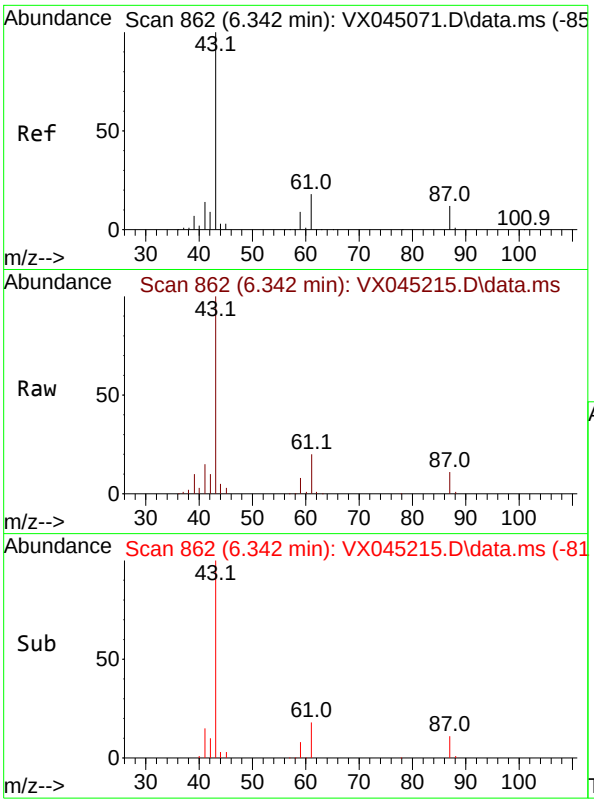


#42
1,2-Dichloroethane
Concen: 19.864 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 62 Resp: 34432

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2





#43
Isopropyl Acetate
Concen: 19.925 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

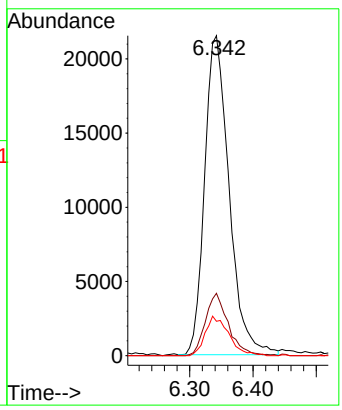
Tgt Ion: 43 Resp: 5787

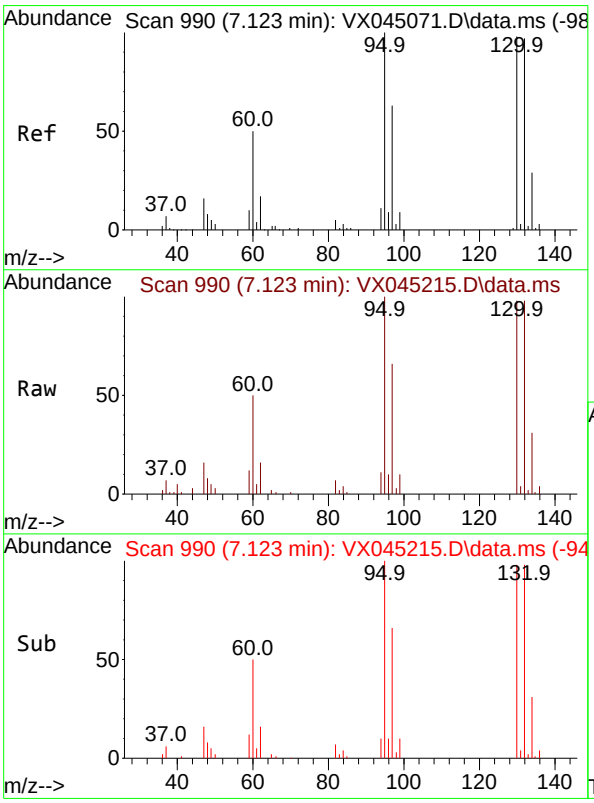
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.9	22.3
87	11.9	9.4	14.2

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

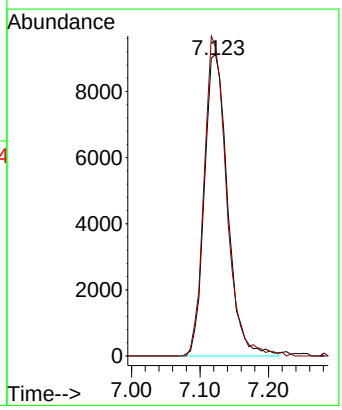


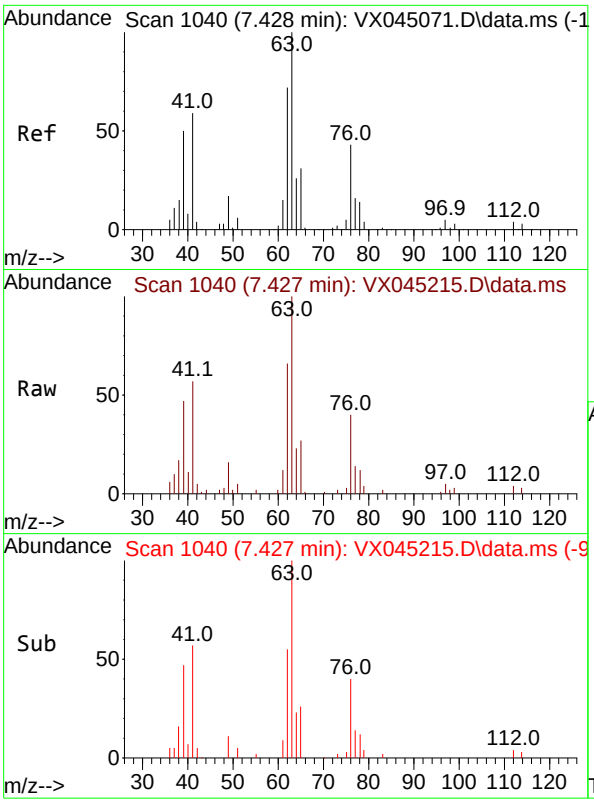


#44
Trichloroethene
Concen: 19.021 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:130 Resp: 21499

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	205.0





#45
1,2-Dichloropropane
Concen: 19.071 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

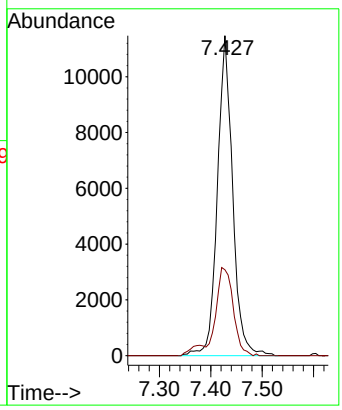
Tgt Ion: 63 Resp: 2360

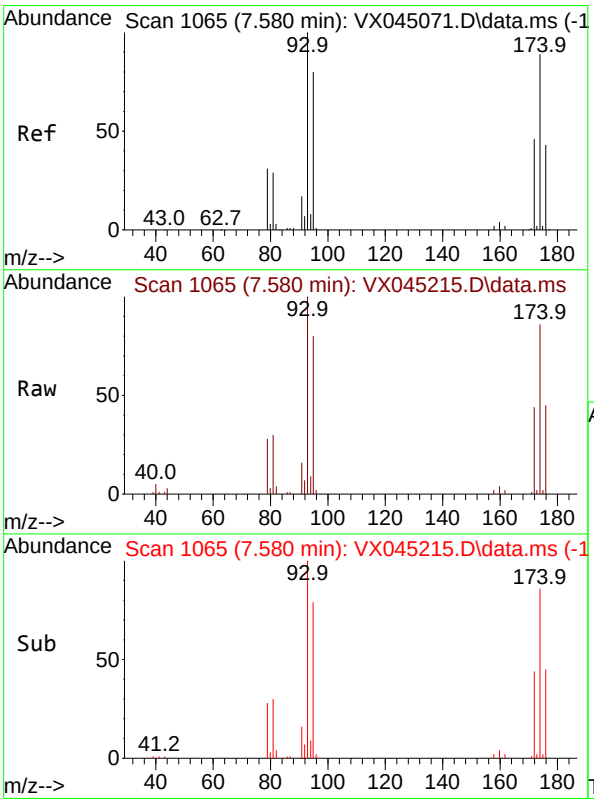
Ion	Ratio	Lower	Upper
63	100		
65	26.8	24.7	37.1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

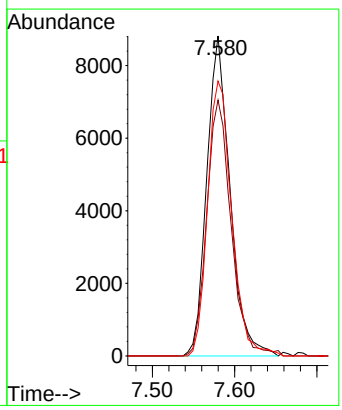


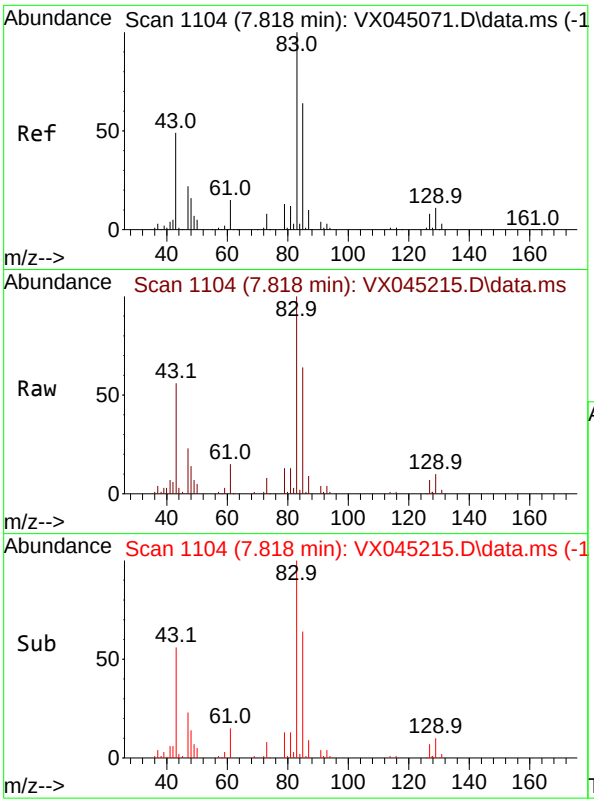


#46
Dibromomethane
Concen: 19.824 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 93 Resp: 17341

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.8	98.8
174	89.0	72.2	108.2

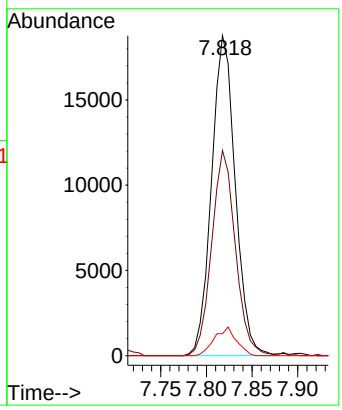




#47
Bromodichloromethane
Concen: 19.769 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 83 Resp: 3392

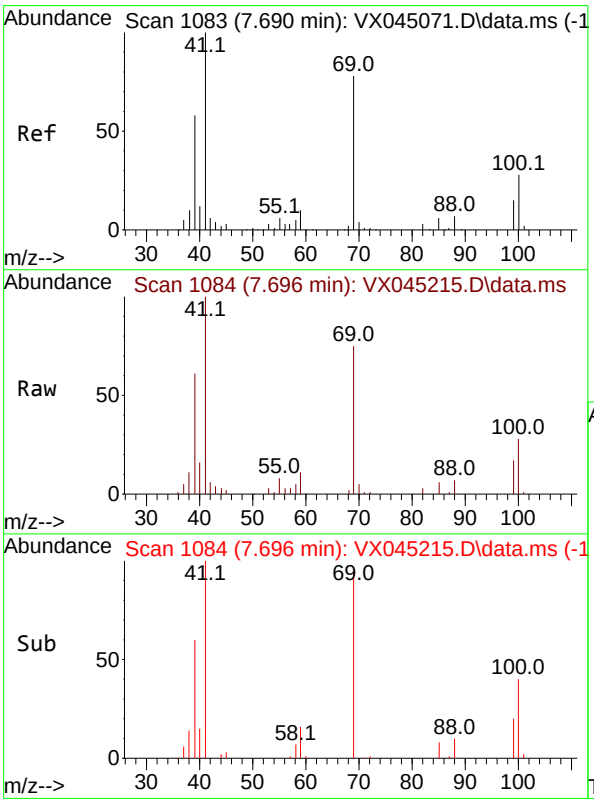
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	6.8	6.4	9.6



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

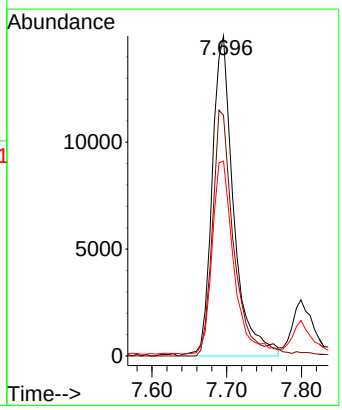
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

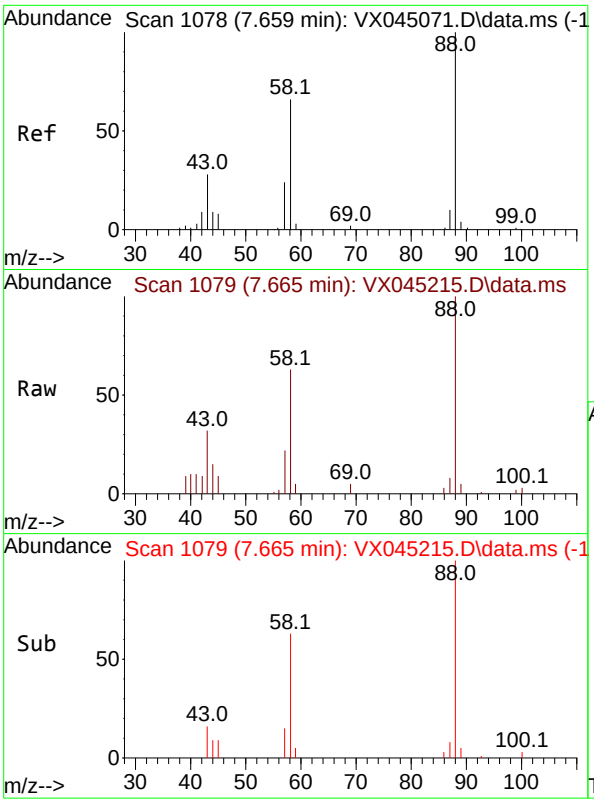


#48
Methyl methacrylate
Concen: 20.560 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 41 Resp: 29960

Ion	Ratio	Lower	Upper
41	100		
69	76.1	63.0	94.6
39	60.6	47.5	71.3





#49
1,4-Dioxane
Concen: 372.504 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

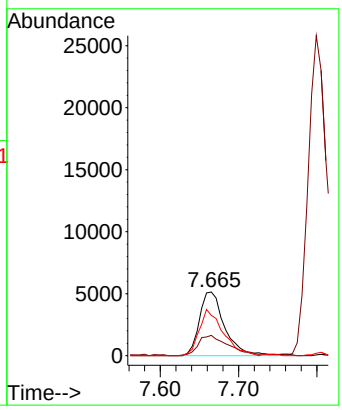
Tgt Ion: 88 Resp: 1145

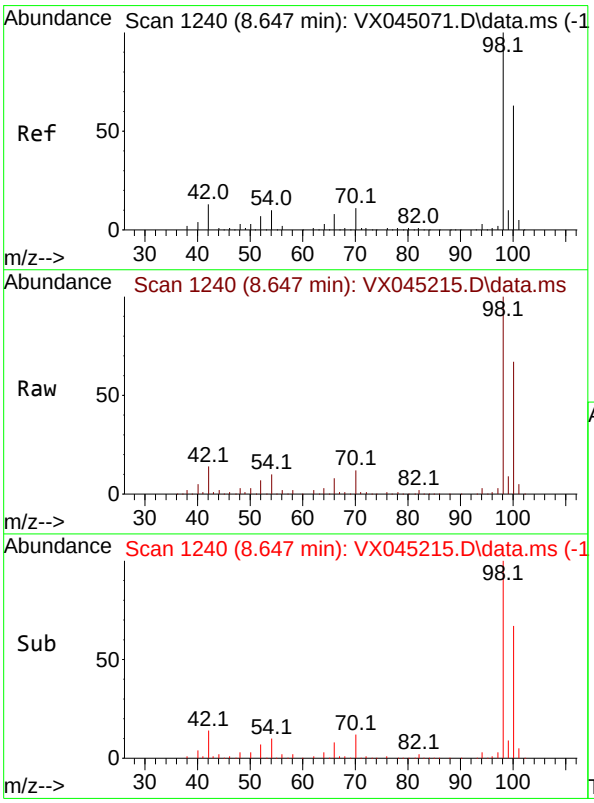
Ion	Ratio	Lower	Upper
88	100		
43	39.7	28.7	43.1
58	69.0	55.8	83.8

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

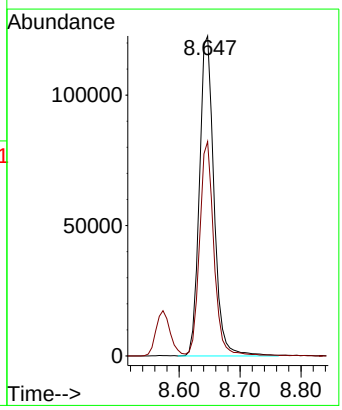


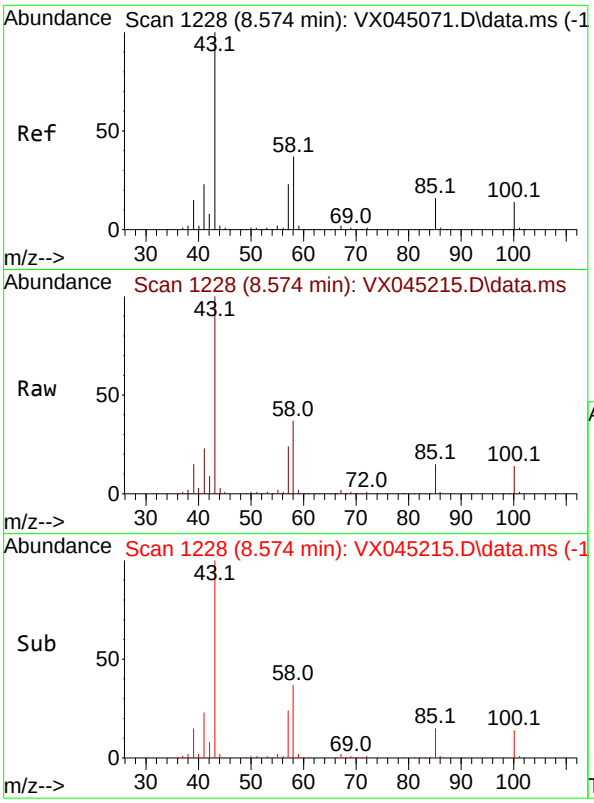


#50
Toluene-d8
Concen: 50.659 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 98 Resp: 204141

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0





#51
4-Methyl-2-Pentanone
Concen: 108.934 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

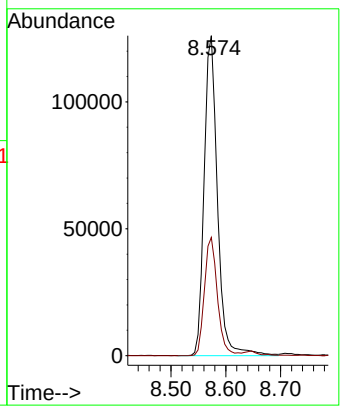
Tgt Ion: 43 Resp: 21244

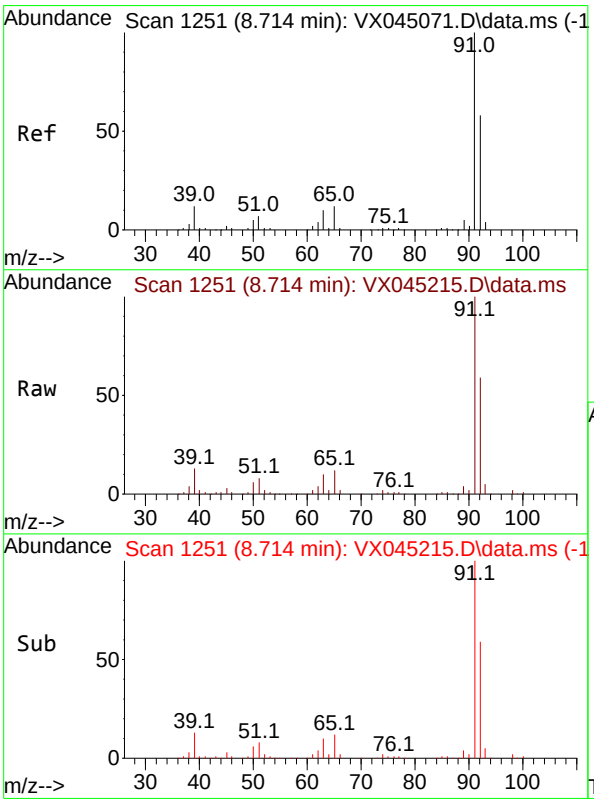
Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.2	43.8

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

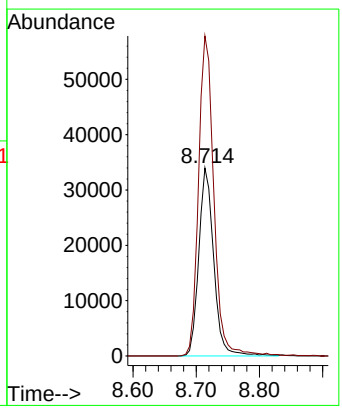


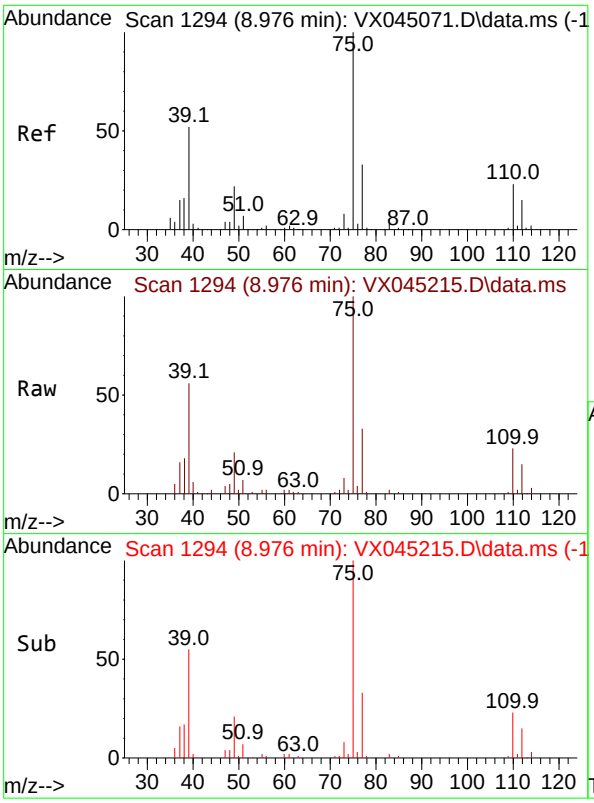


#52
Toluene
Concen: 19.831 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 92 Resp: 56008

Ion	Ratio	Lower	Upper
92	100		
91	174.5	138.9	208.3

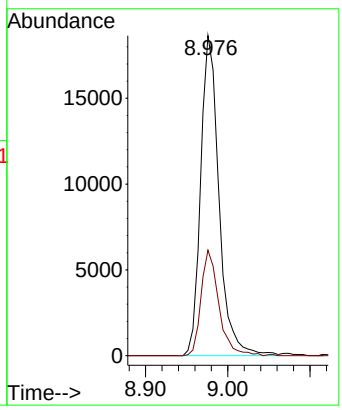




#53
t-1,3-Dichloropropene
Concen: 20.143 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 75 Resp: 2889

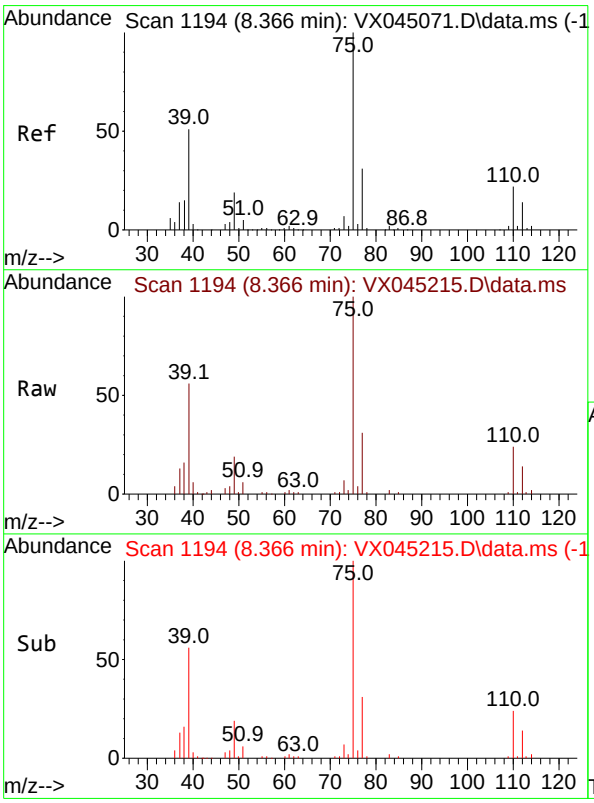
Ion	Ratio	Lower	Upper
75	100		
77	33.0	26.5	39.7



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

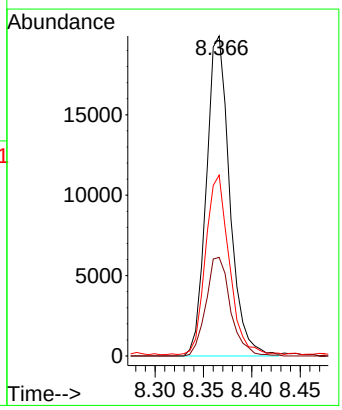
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

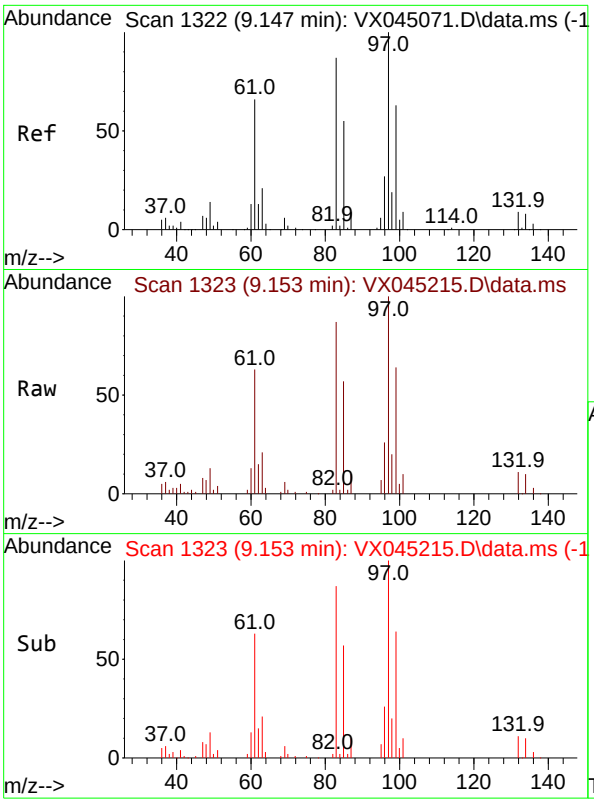


#54
cis-1,3-Dichloropropene
Concen: 20.066 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 75 Resp: 33564

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.7	37.1
39	56.0	40.7	61.1

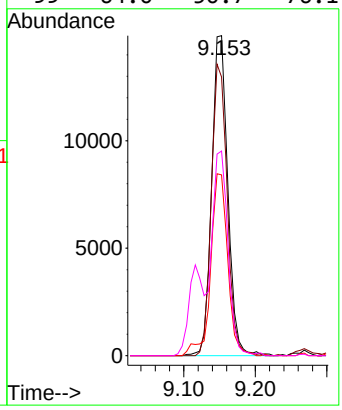




#55
1,1,2-Trichloroethane
Concen: 20.024 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 97 Resp: 2328

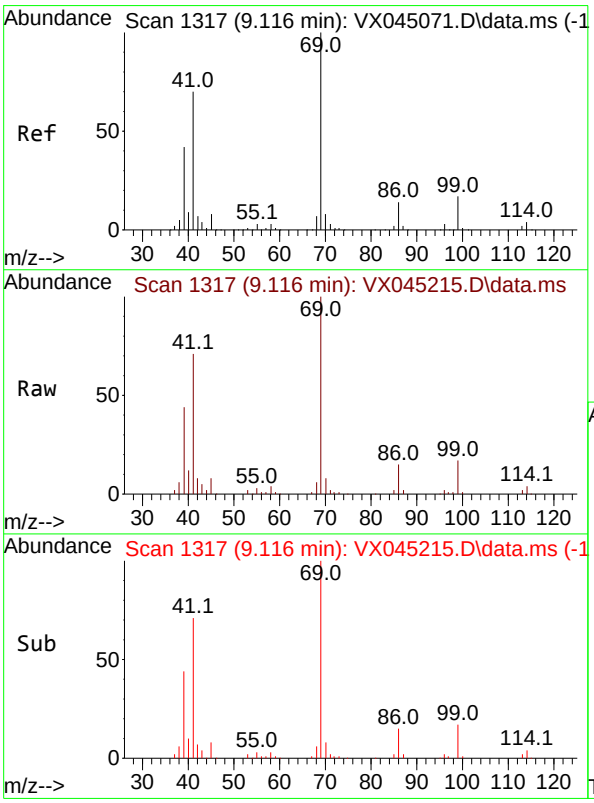
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.4	104.2
85	56.5	44.1	66.1
99	64.0	50.7	76.1



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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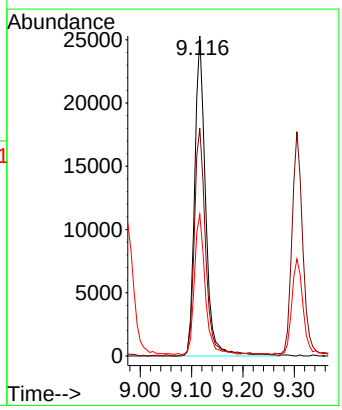
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

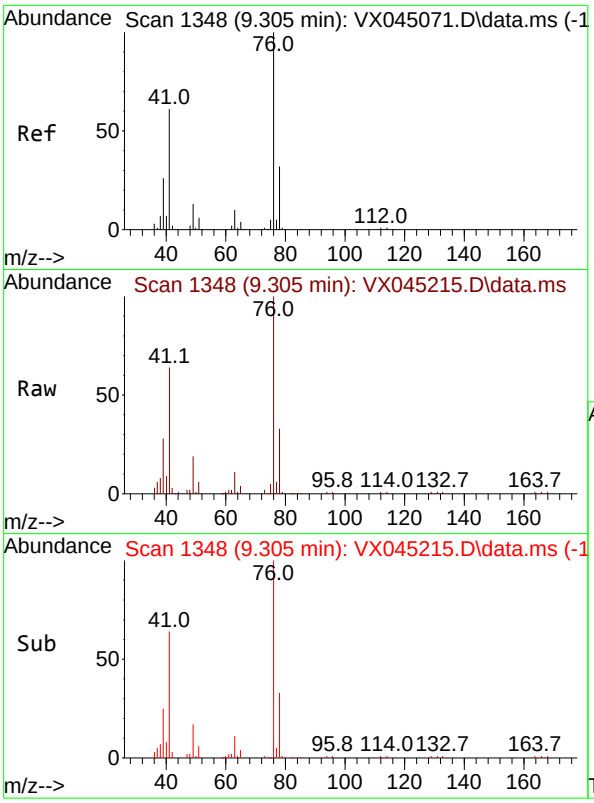


#56
Ethyl methacrylate
Concen: 21.080 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 69 Resp: 37256

Ion	Ratio	Lower	Upper
69	100		
41	73.2	57.0	85.4
39	43.5	34.2	51.4





#57
1,3-Dichloropropane
Concen: 20.649 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

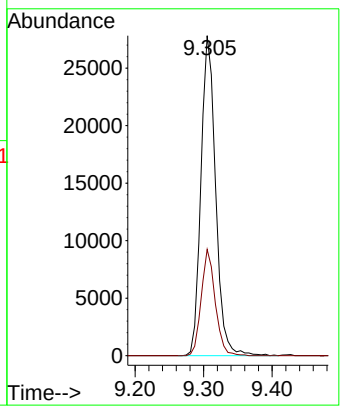
Tgt Ion: 76 Resp: 4154

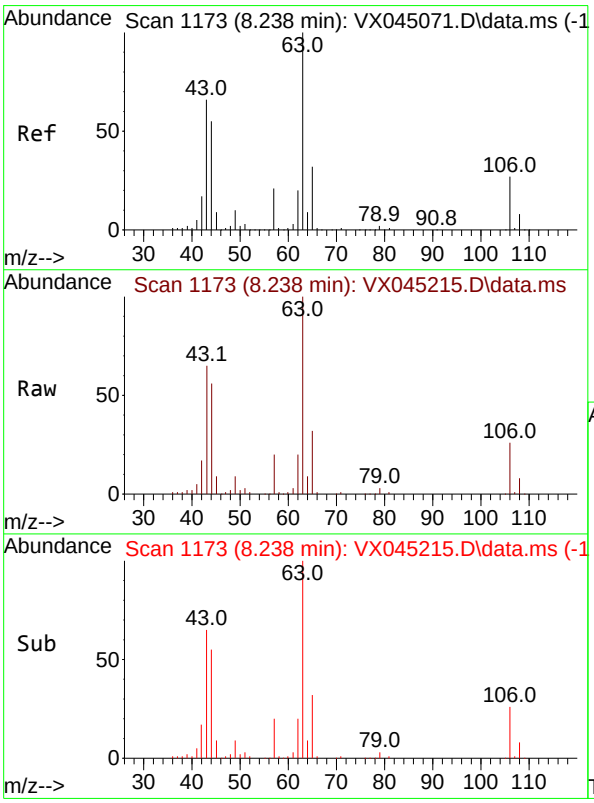
Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

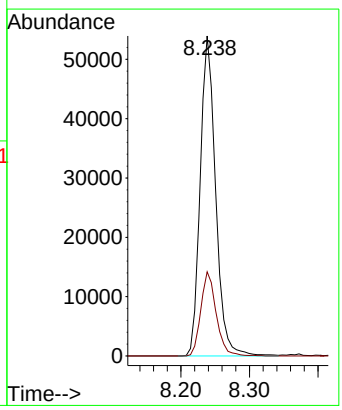


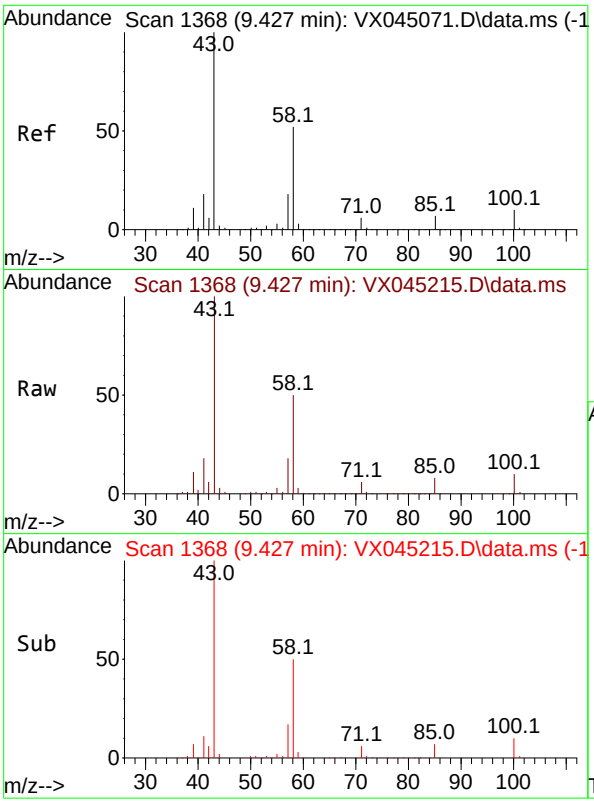


#58
2-Chloroethyl Vinyl ether
Concen: 98.289 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 63 Resp: 84737

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.5	32.3





#59
2-Hexanone
Concen: 109.453 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

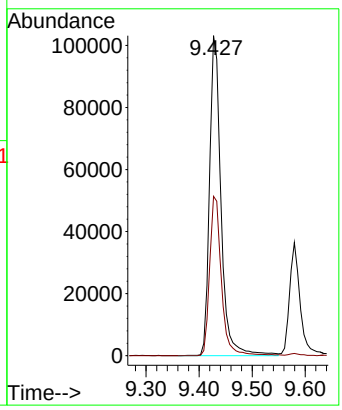
Tgt Ion: 43 Resp: 15466

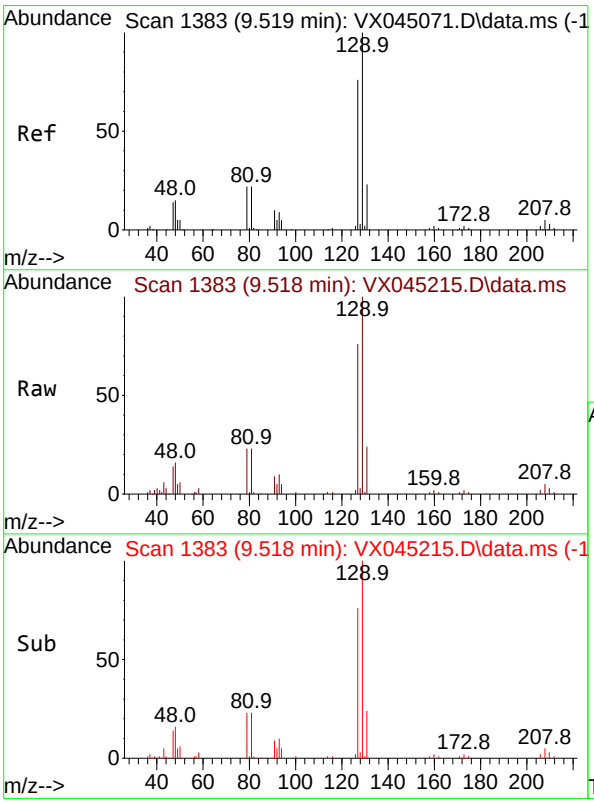
Ion	Ratio	Lower	Upper
43	100		
58	51.2	25.9	77.6

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

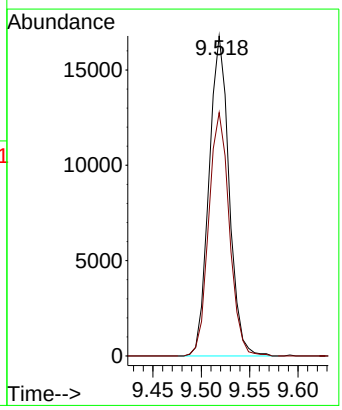


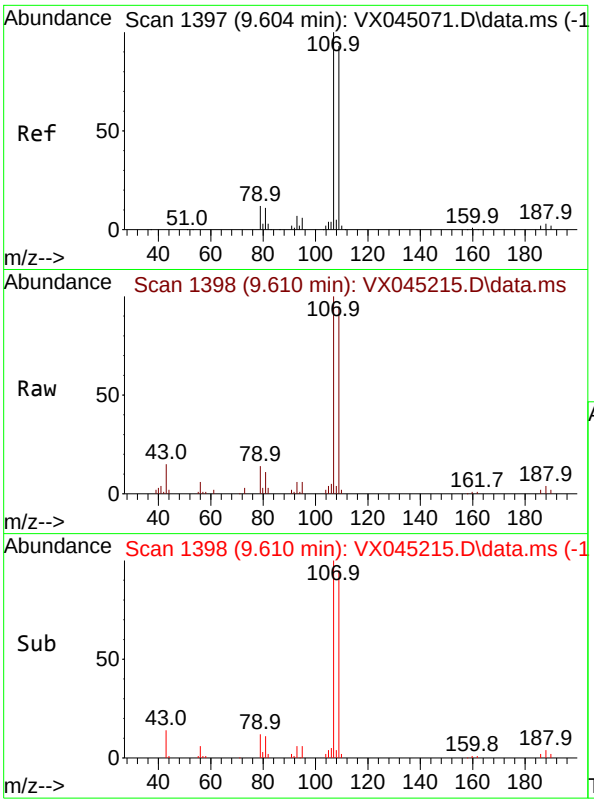


#60
Dibromochloromethane
Concen: 19.914 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:129 Resp: 24209

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.5





#61
1,2-Dibromoethane
Concen: 20.662 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

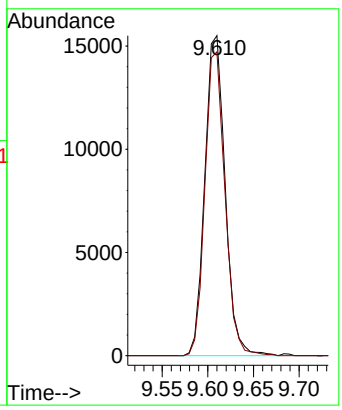
Tgt Ion:107 Resp: 2398

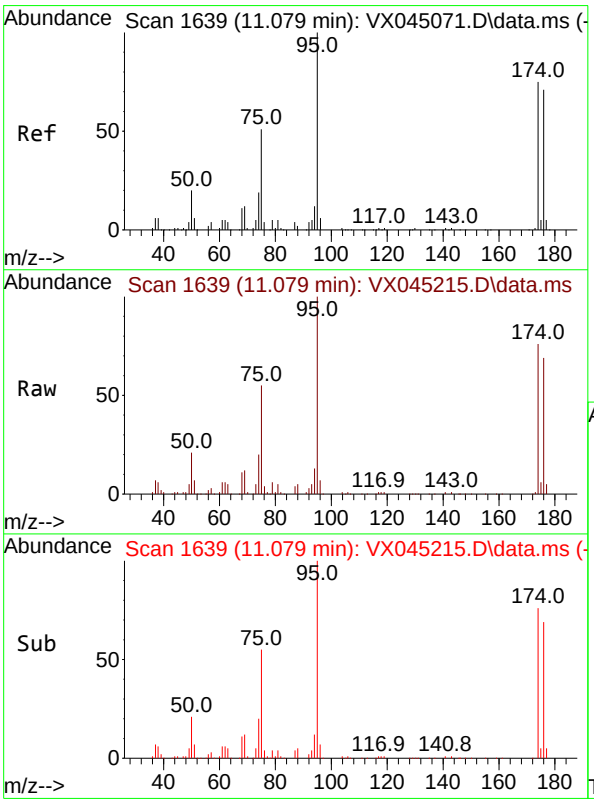
Ion	Ratio	Lower	Upper
107	100		
109	93.5	76.1	114.1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

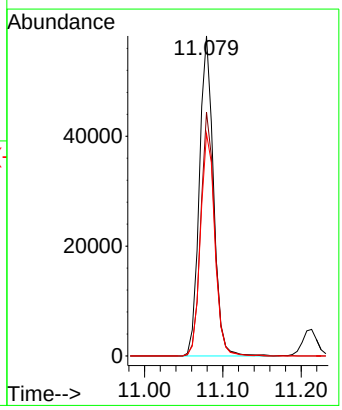


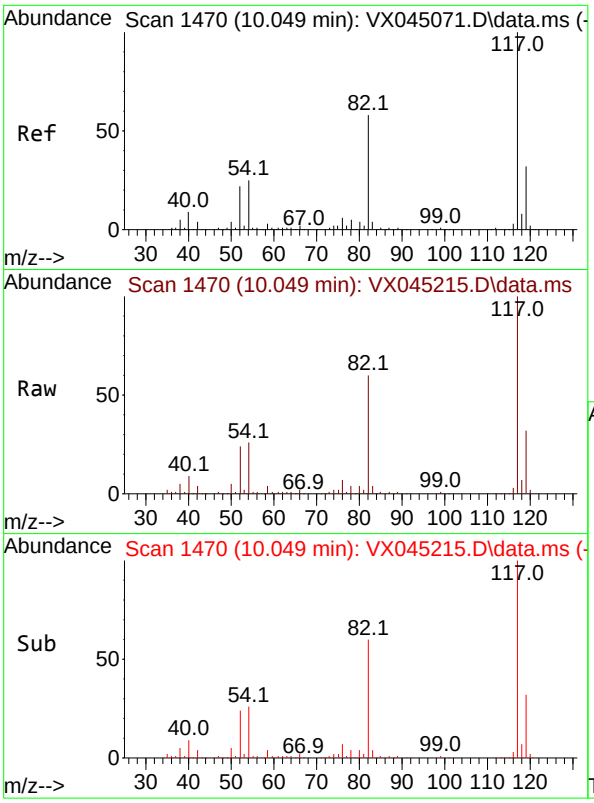


#62
4-Bromofluorobenzene
Concen: 54.440 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 95 Resp: 72695

Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	148.2
176	70.5	0.0	141.4

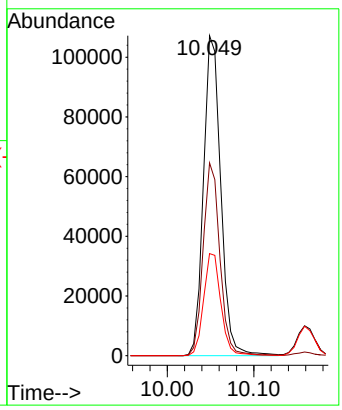




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:117 Resp: 14894

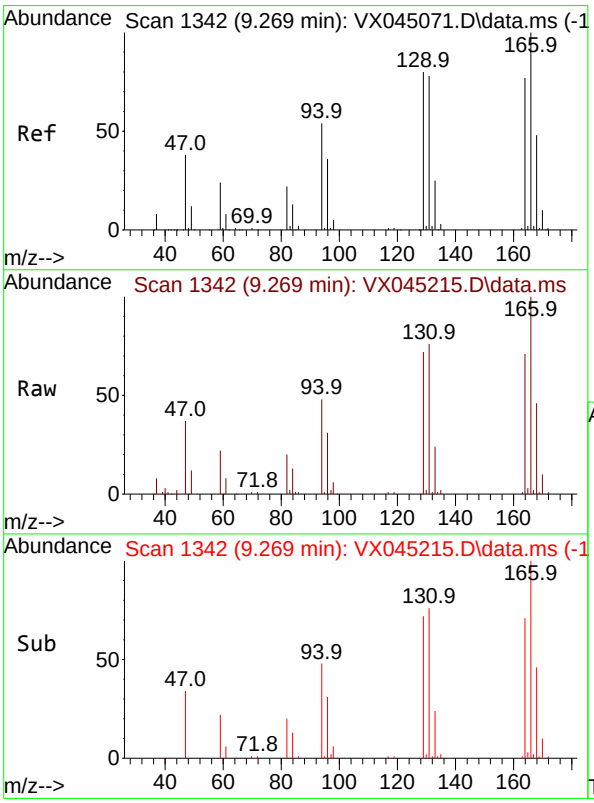
Ion	Ratio	Lower	Upper
117	100		
82	60.3	46.3	69.5
119	31.9	25.7	38.5



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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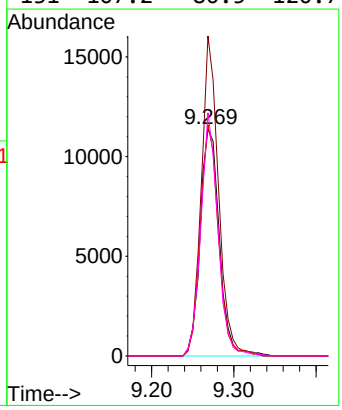
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

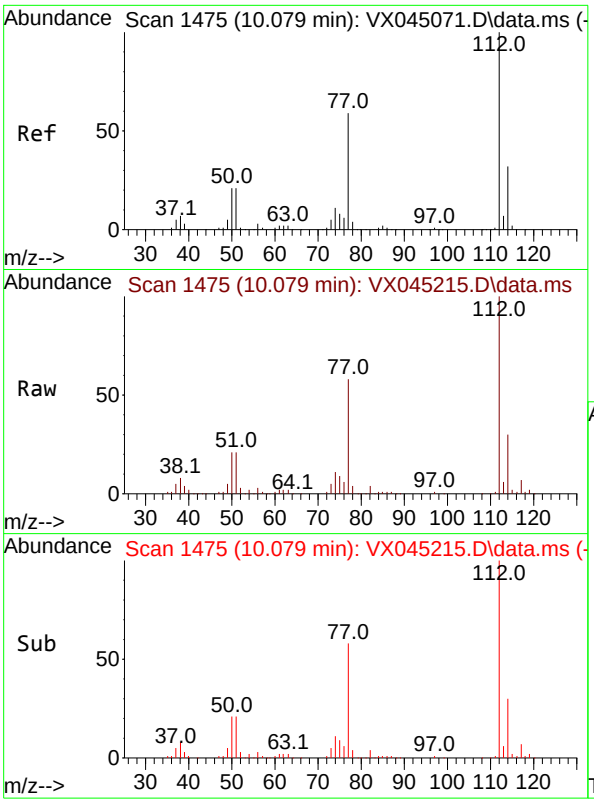


#64
Tetrachloroethene
Concen: 19.341 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:164 Resp: 18450

Ion	Ratio	Lower	Upper
164	100		
166	141.1	103.6	155.4
129	102.0	82.7	124.1
131	107.2	80.5	120.7

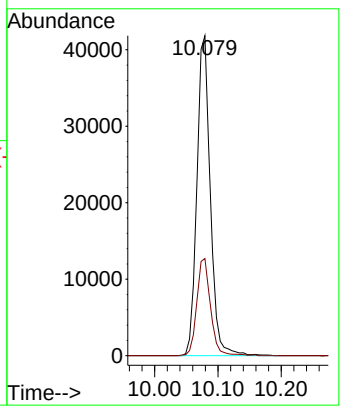




#65
Chlorobenzene
Concen: 19.633 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:112 Resp: 6187

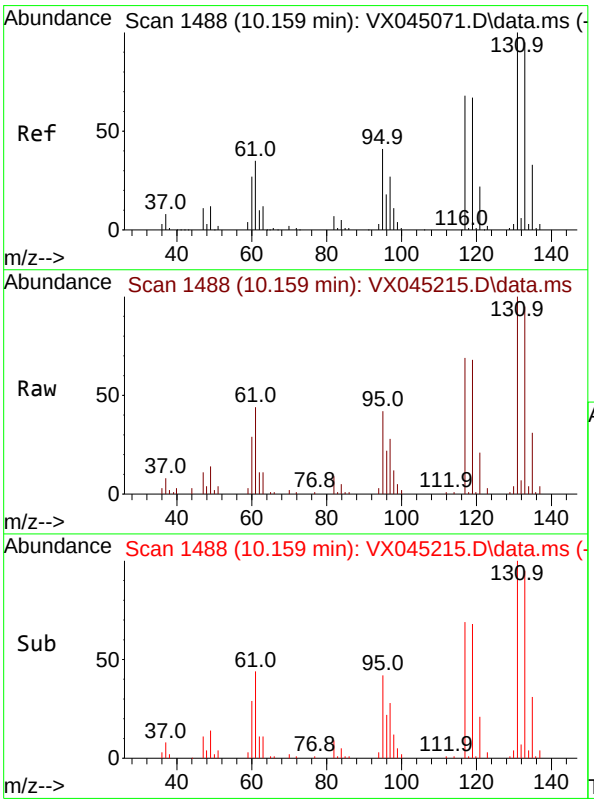
Ion	Ratio	Lower	Upper
112	100		
114	30.3	26.0	39.0



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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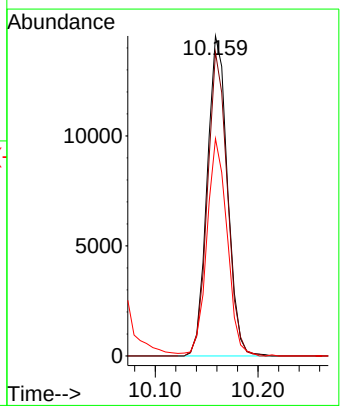
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

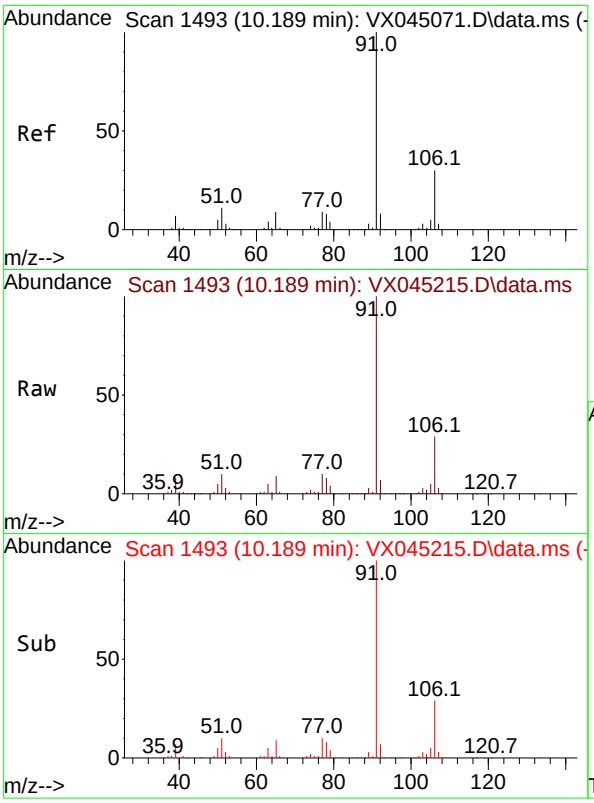


#66
1,1,1,2-Tetrachloroethane
Concen: 19.035 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:131 Resp: 19978

Ion	Ratio	Lower	Upper
131	100		
133	92.8	48.6	145.9
119	67.9	33.9	101.7





#67
Ethyl Benzene
Concen: 19.710 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

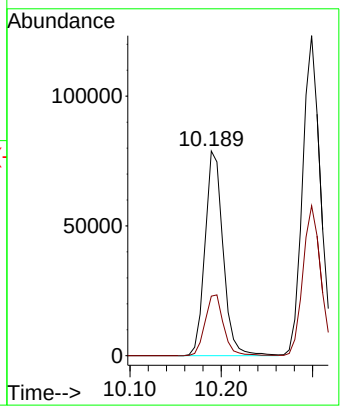
Tgt Ion: 91 Resp: 10823

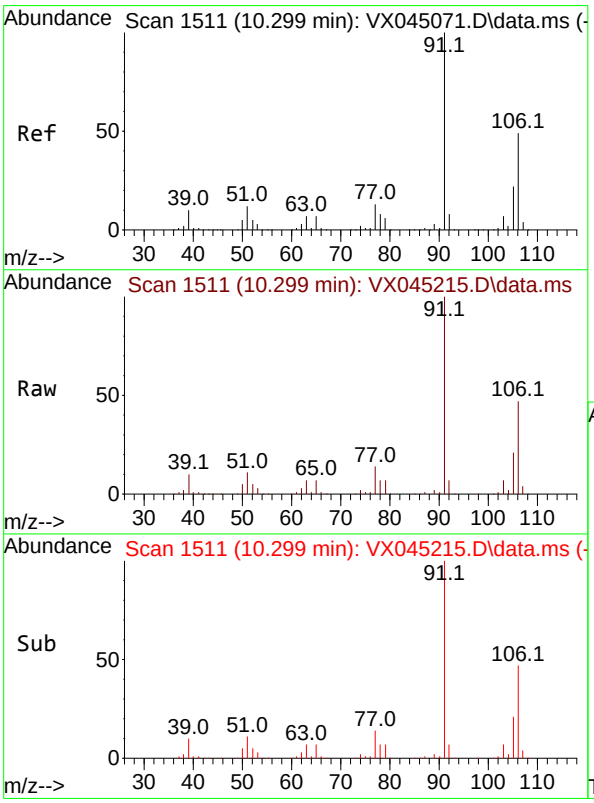
Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.9	35.9

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

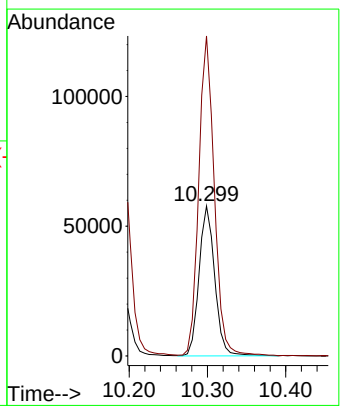


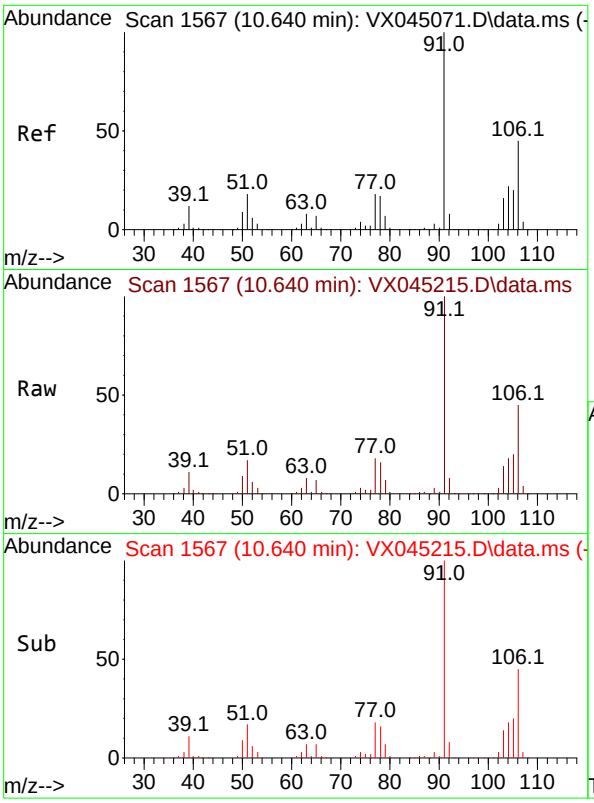


#68
m/p-Xylenes
Concen: 39.941 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:106 Resp: 80292

Ion	Ratio	Lower	Upper
106	100		
91	211.5	165.4	248.0

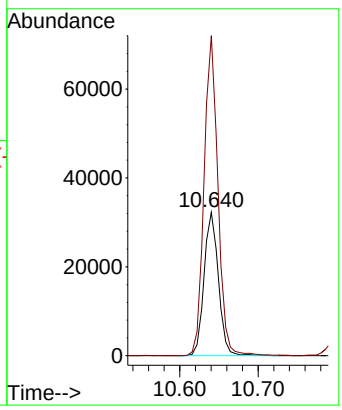




#69
o-Xylene
Concen: 20.185 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:106 Resp: 4092

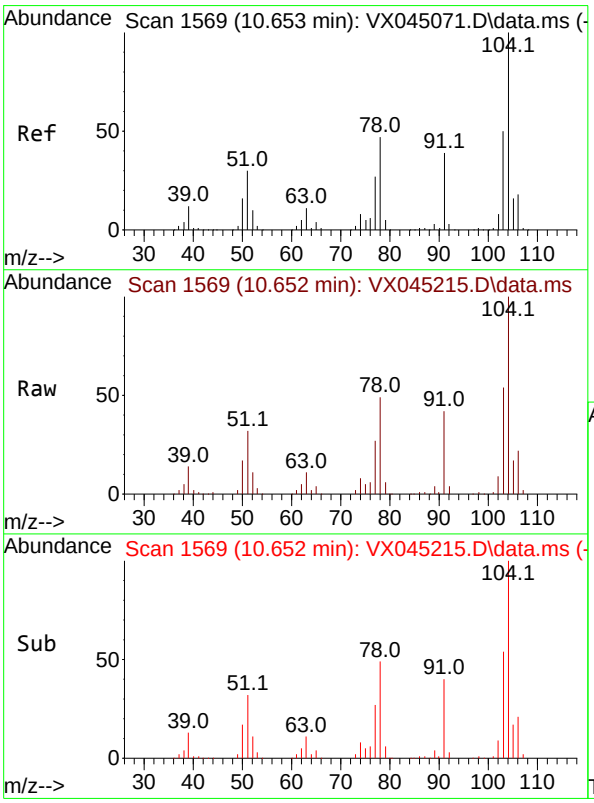
Ion	Ratio	Lower	Upper
106	100		
91	215.9	109.9	329.6



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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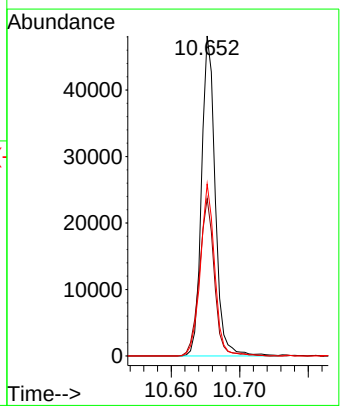
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

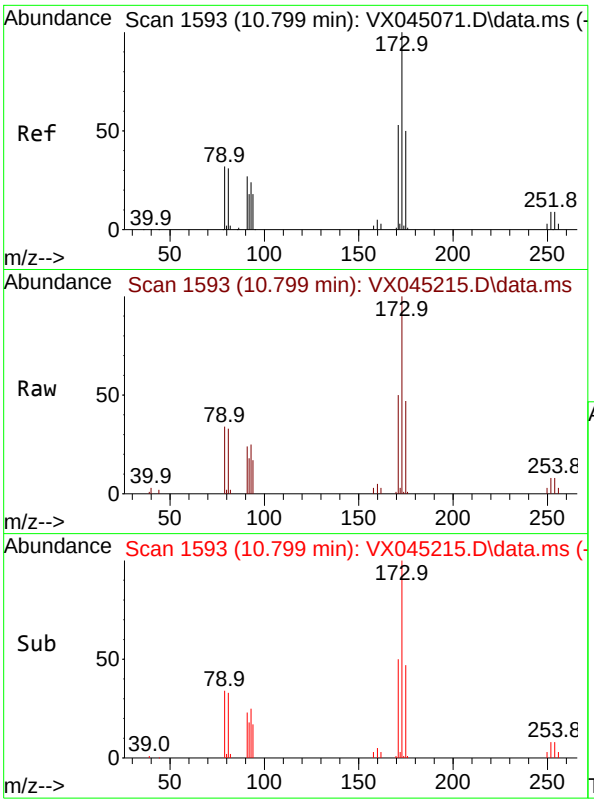


#70
Styrene
Concen: 20.469 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:104 Resp: 67151

Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.2	63.4
103	56.2	43.8	65.8

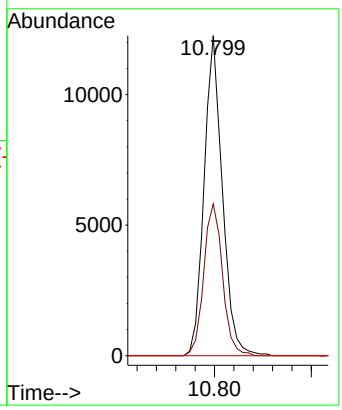




#71
Bromoform
Concen: 20.340 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:173 Resp: 1609

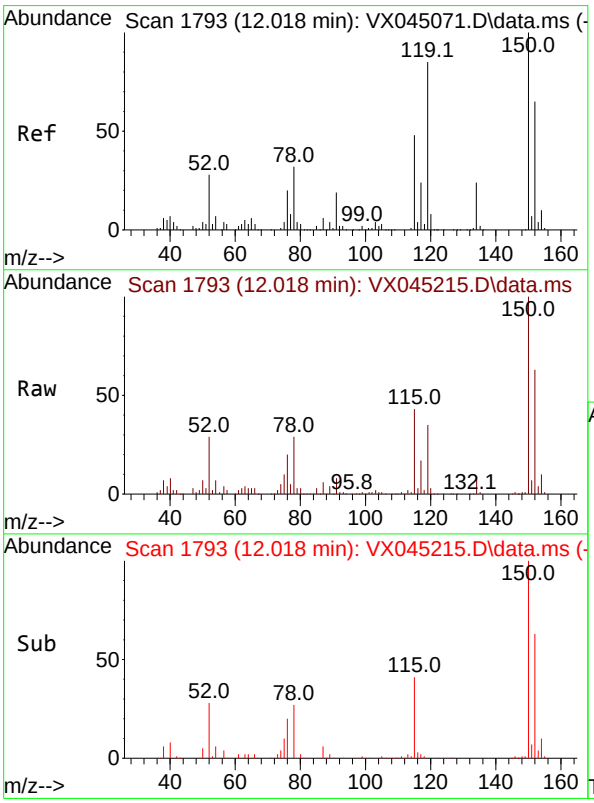
Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	73.6
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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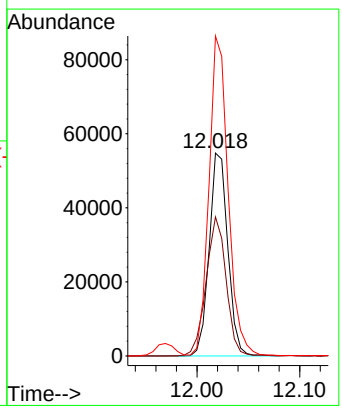
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

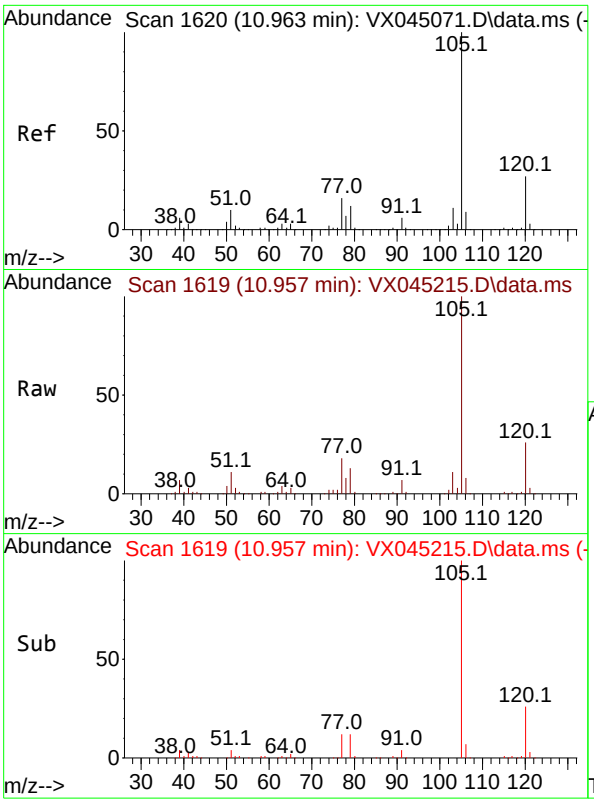


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:152 Resp: 68861

Ion	Ratio	Lower	Upper
152	100		
115	73.8	44.2	132.6
150	161.8	0.0	349.0

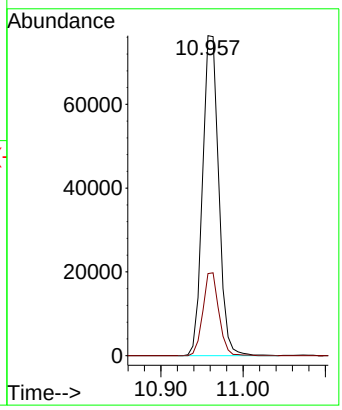




#73
Isopropylbenzene
Concen: 19.390 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:105 Resp: 10421

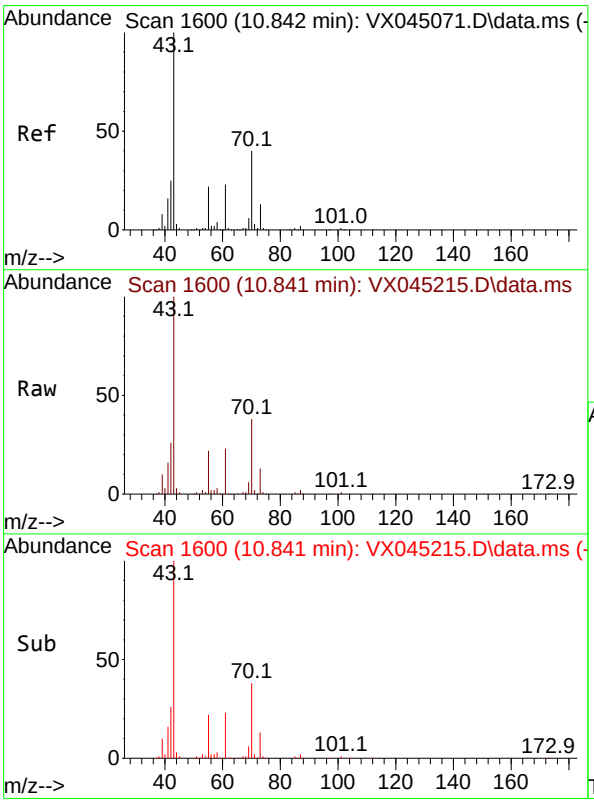
Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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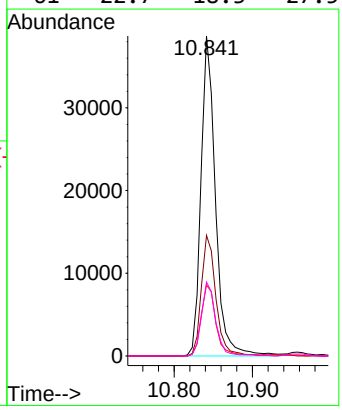
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

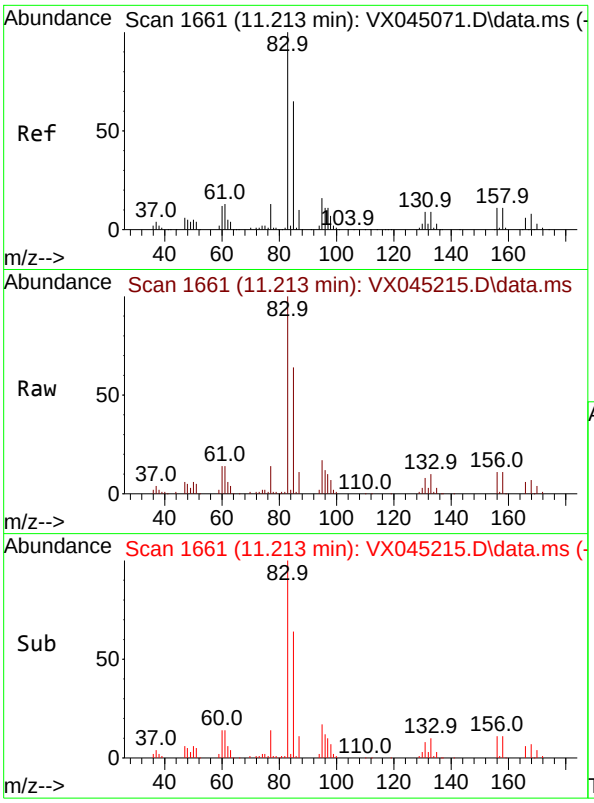


#74
N-amyl acetate
Concen: 19.707 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 43 Resp: 49701

Ion	Ratio	Lower	Upper
43	100		
70	38.0	31.8	47.6
55	22.9	18.3	27.5
61	22.7	18.3	27.5





#75
1,1,2,2-Tetrachloroethane
Concen: 19.653 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

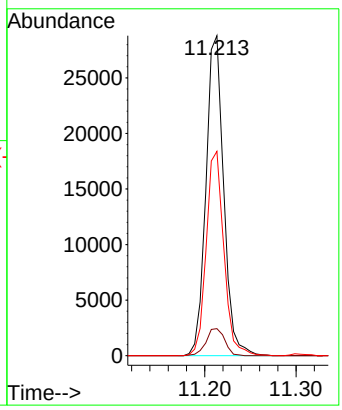
Tgt Ion: 83 Resp: 3876

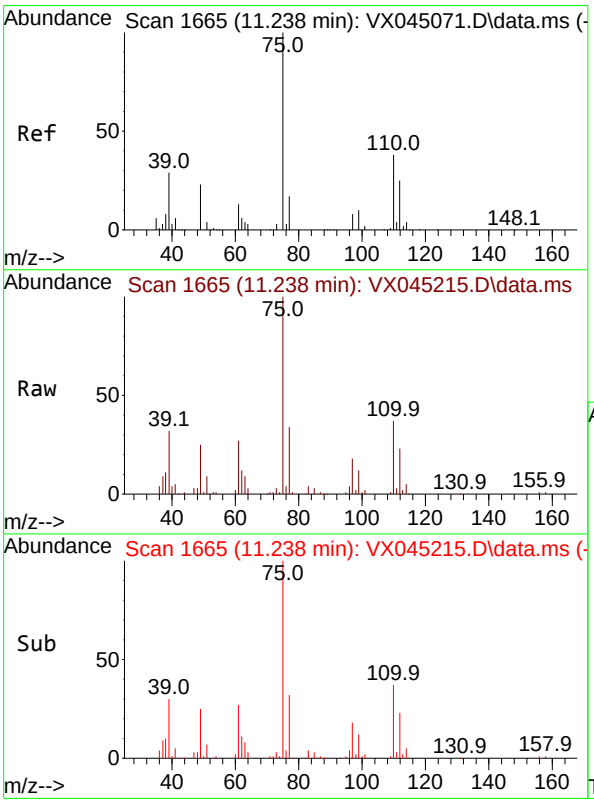
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.4	31.7	95.1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

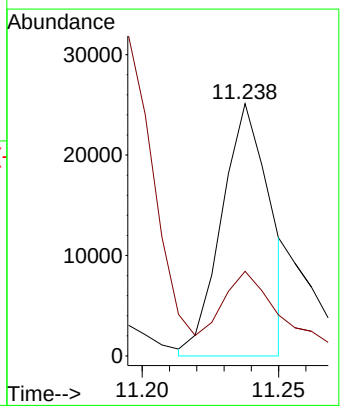


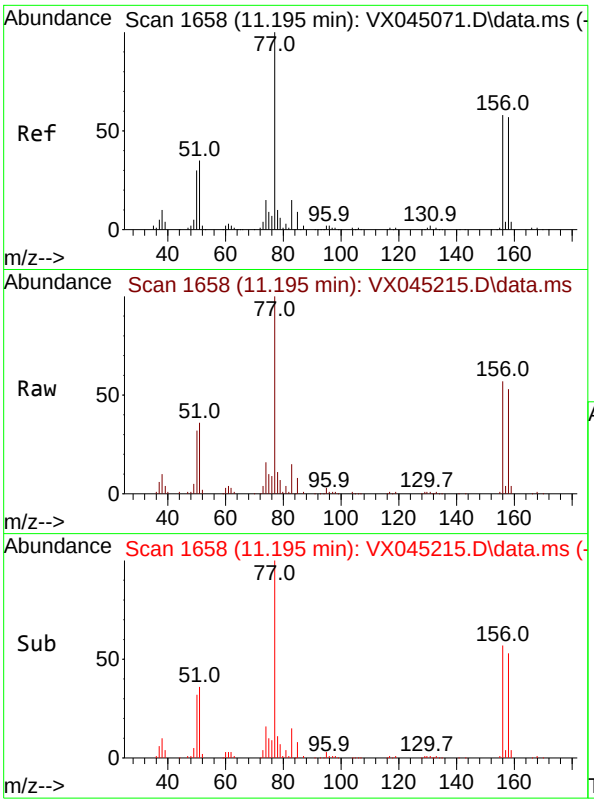


#76
1,2,3-Trichloropropane
Concen: 19.234 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 75 Resp: 30828

Ion	Ratio	Lower	Upper
75	100		
77	42.8	20.7	62.1





#77
Bromobenzene
Concen: 19.428 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

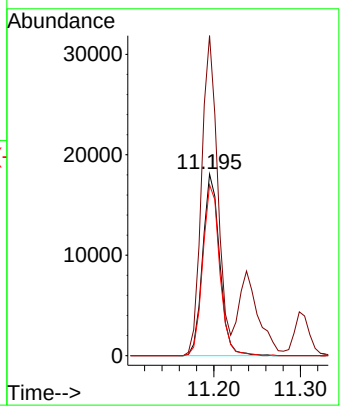
Tgt Ion:156 Resp: 2463

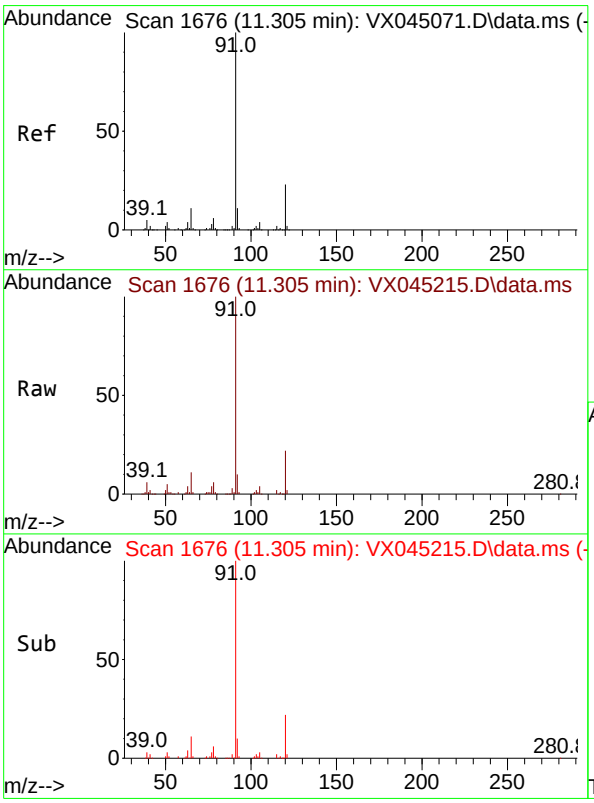
Ion	Ratio	Lower	Upper
156	100		
77	167.5	85.8	257.4
158	93.7	48.4	145.2

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

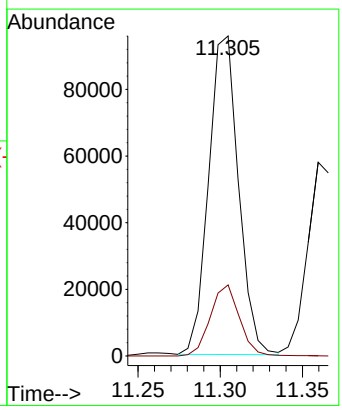


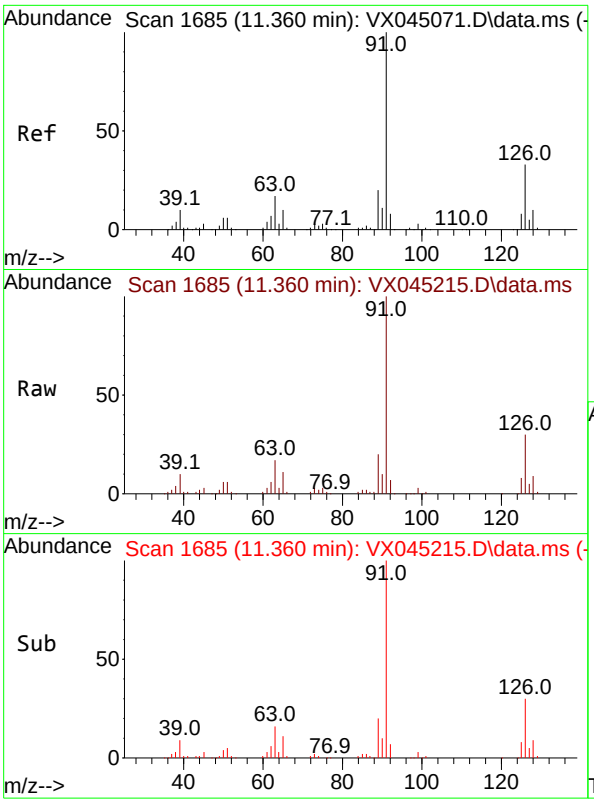


#78
n-propylbenzene
Concen: 19.934 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 91 Resp: 121031

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6





#79
2-Chlorotoluene
Concen: 19.344 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

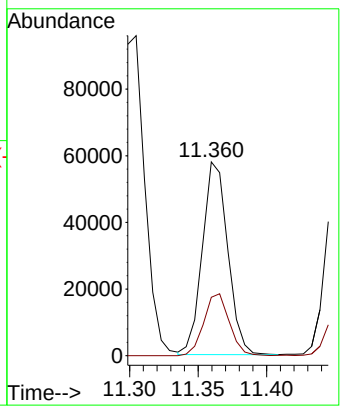
Tgt Ion: 91 Resp: 7480

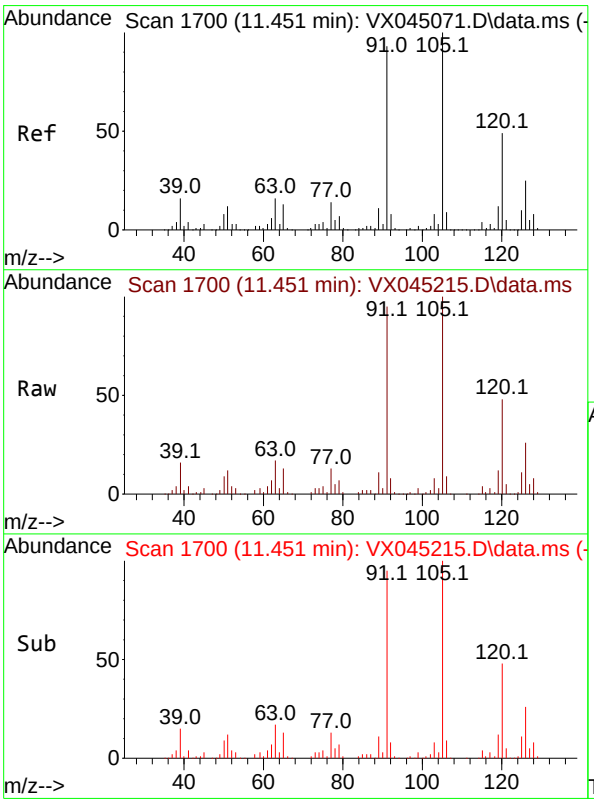
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

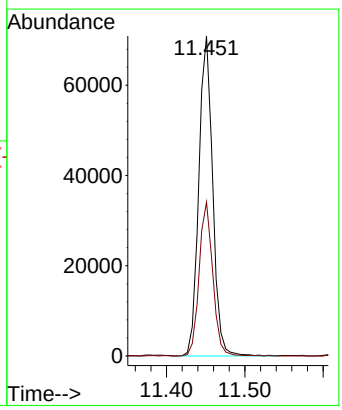


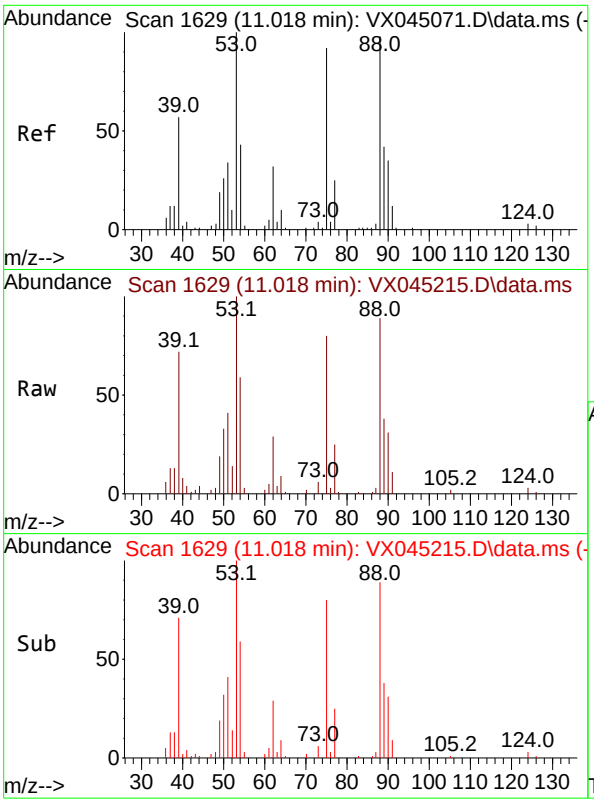


#80
1,3,5-Trimethylbenzene
Concen: 20.096 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:105 Resp: 87336

Ion	Ratio	Lower	Upper
105	100		
120	47.2	24.1	72.2





#81
trans-1,4-Dichloro-2-butene
Concen: 19.112 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

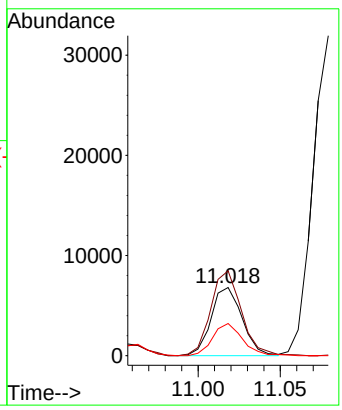
Tgt Ion: 75 Resp: 895

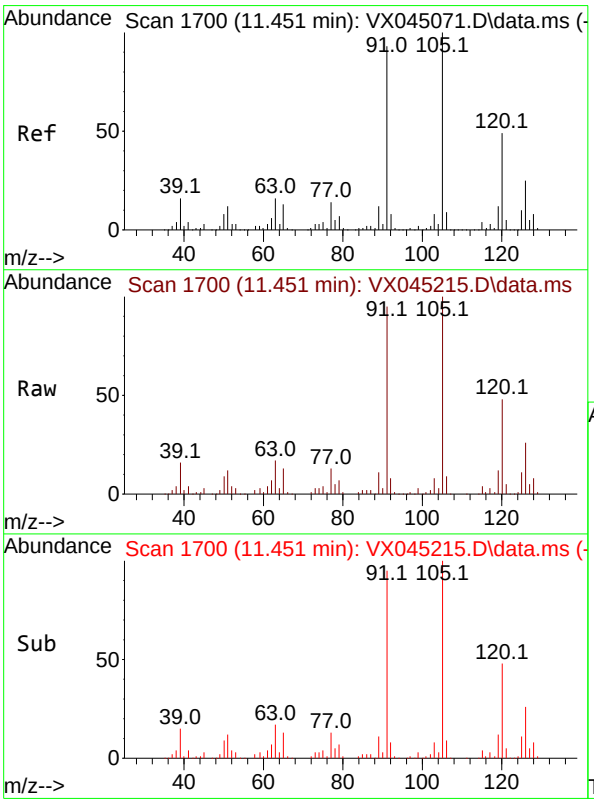
Ion	Ratio	Lower	Upper
75	100		
53	123.0	88.5	132.7
89	45.2	36.2	54.4

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

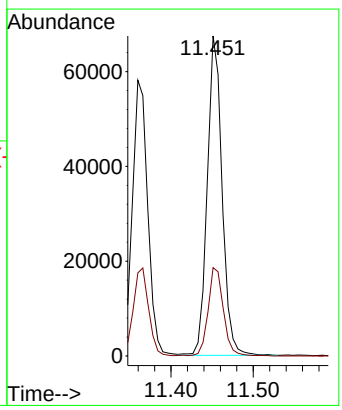


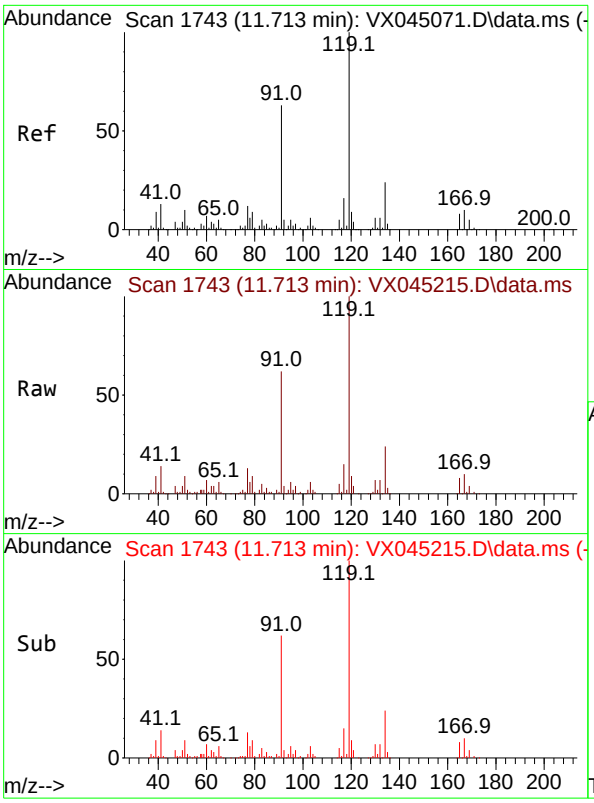


#82
4-Chlorotoluene
Concen: 20.030 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 91 Resp: 84411

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.1	42.4

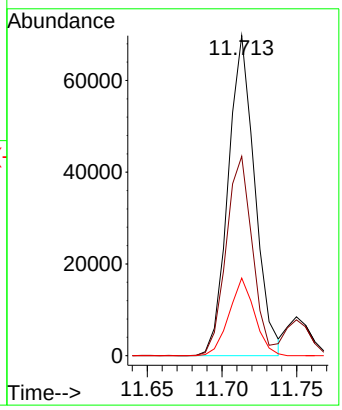




#83
tert-Butylbenzene
Concen: 19.342 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:119 Resp: 8636

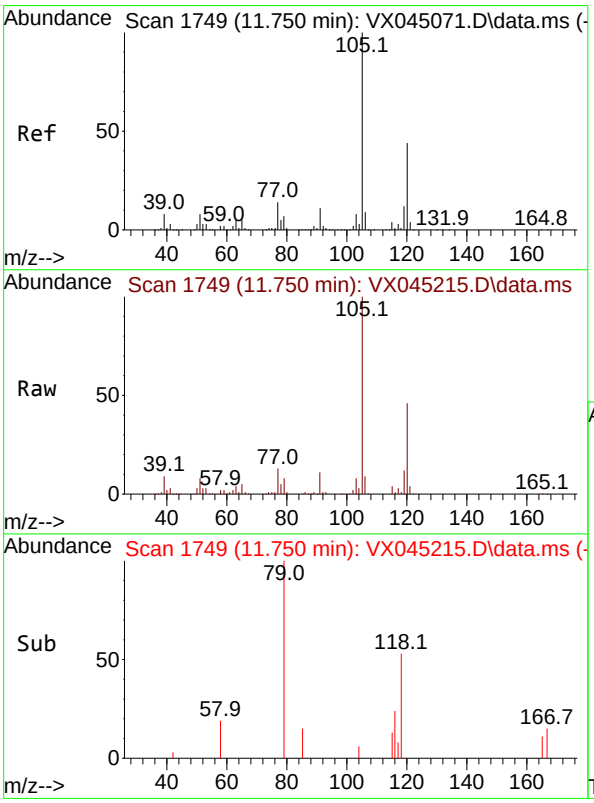
Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.7	92.1
134	23.3	11.7	35.0



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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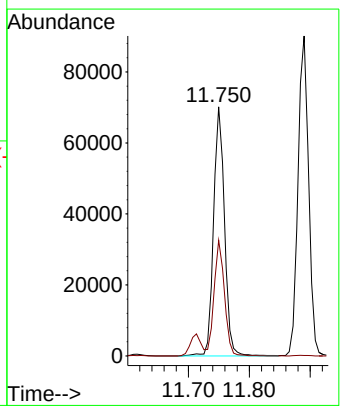
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

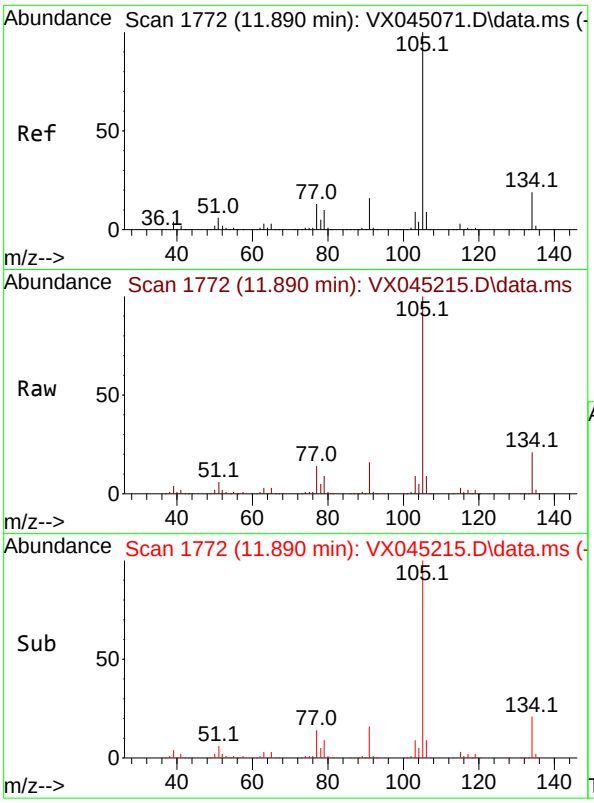


#84
1,2,4-Trimethylbenzene
Concen: 20.023 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:105 Resp: 87556

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1

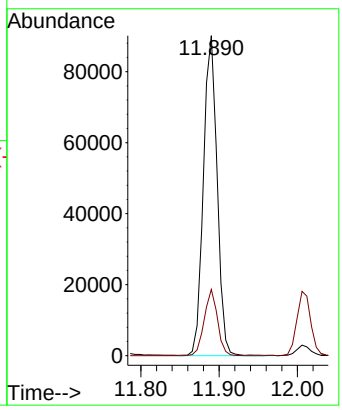




#85
sec-Butylbenzene
Concen: 20.477 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:105 Resp: 10952

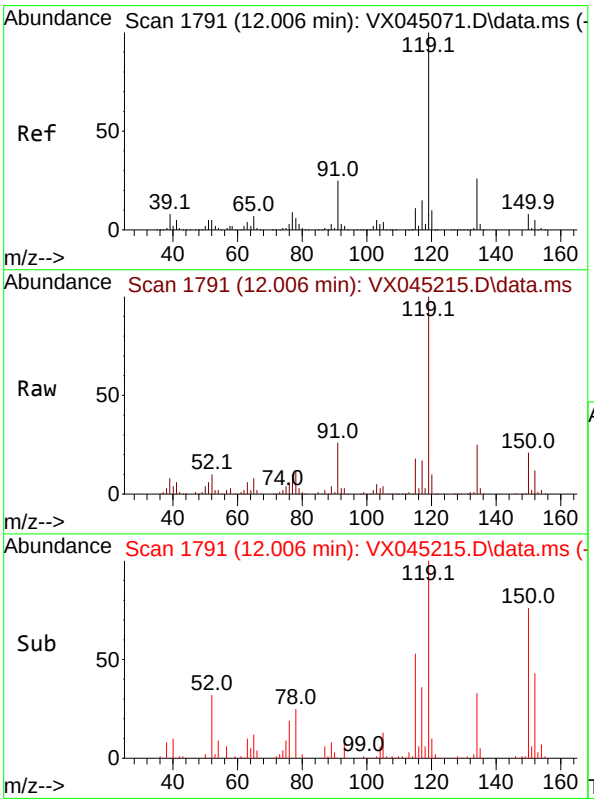
Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.4



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

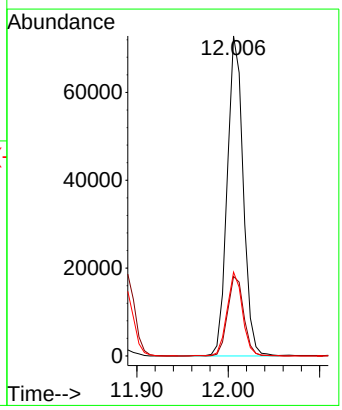
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

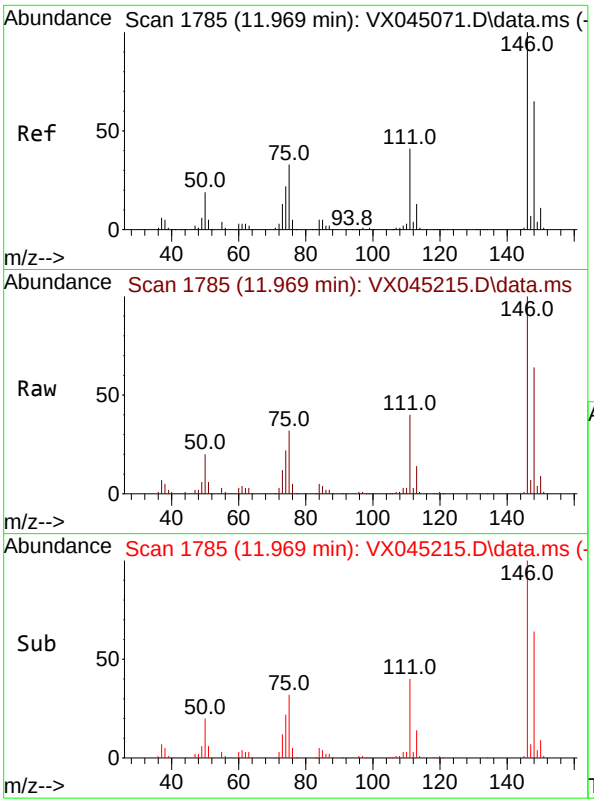


#86
p-Isopropyltoluene
Concen: 20.483 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:119 Resp: 88543

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	25.4	12.7	38.0

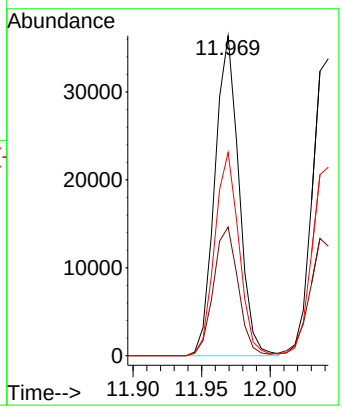




#87
1,3-Dichlorobenzene
Concen: 19.615 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:146 Resp: 4437

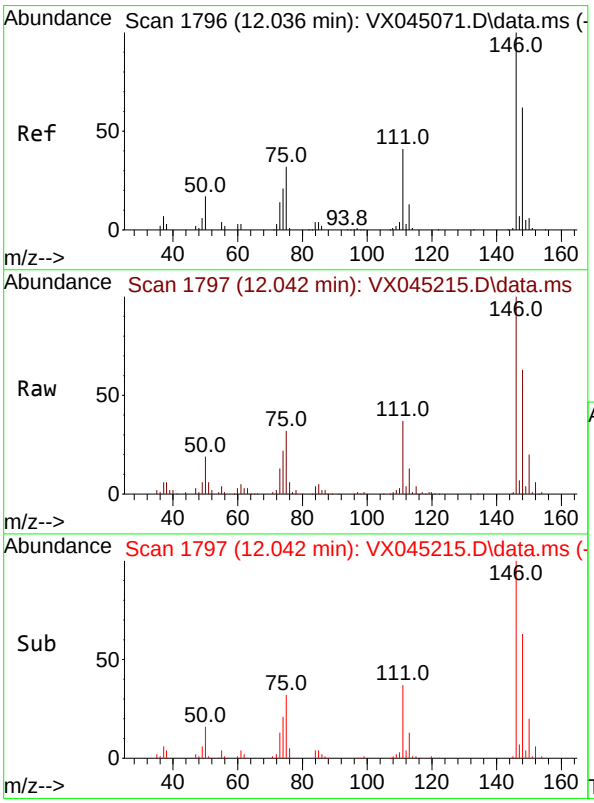
Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.4
148	64.2	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

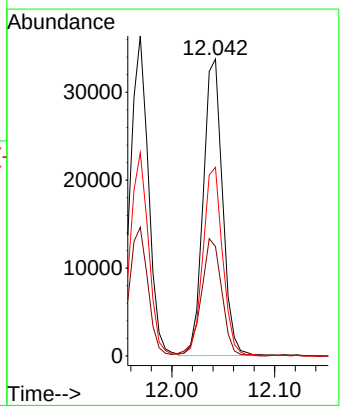
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

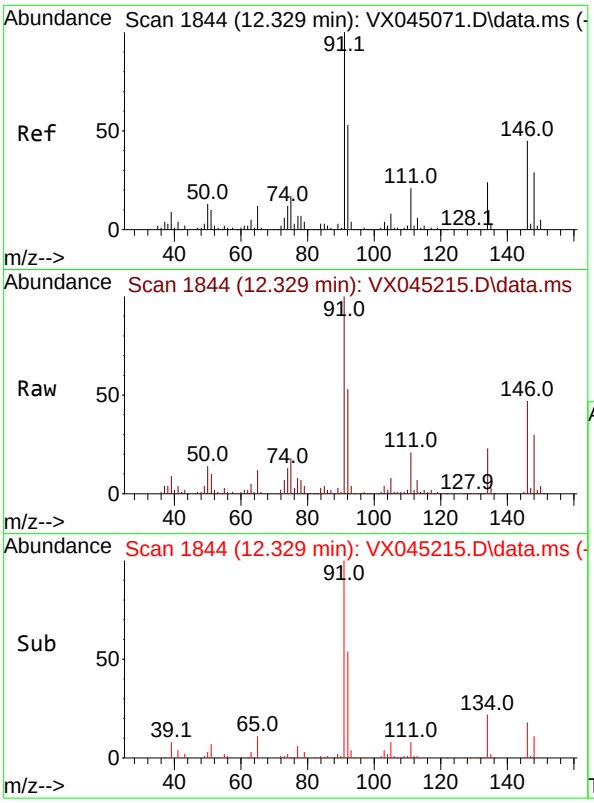


#88
1,4-Dichlorobenzene
Concen: 19.217 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:146 Resp: 43983

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.2	60.5
148	64.7	31.9	95.9





#89
n-Butylbenzene
Concen: 20.636 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

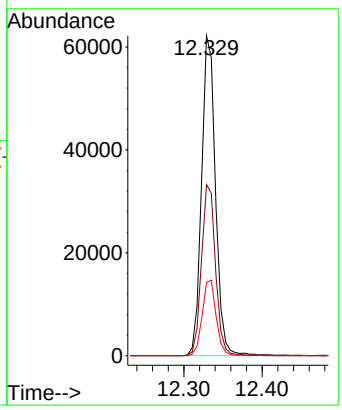
Tgt Ion: 91 Resp: 7682

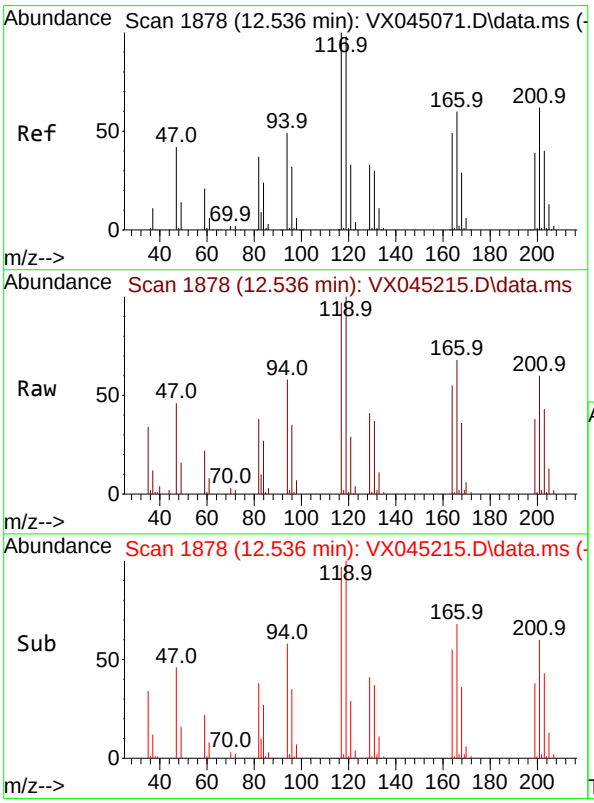
Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.7	80.0
134	23.6	12.2	36.6

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

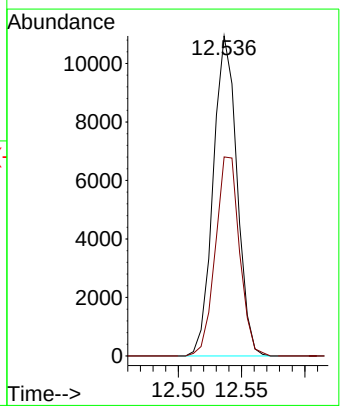


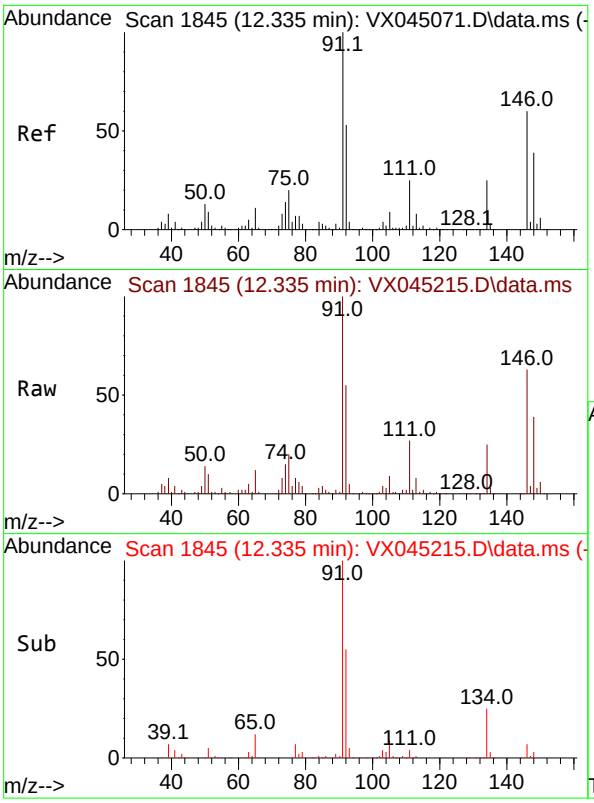


#90
Hexachloroethane
Concen: 18.273 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:117 Resp: 14287

Ion	Ratio	Lower	Upper
117	100		
201	63.3	31.9	95.9





#91
1,2-Dichlorobenzene
Concen: 19.759 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

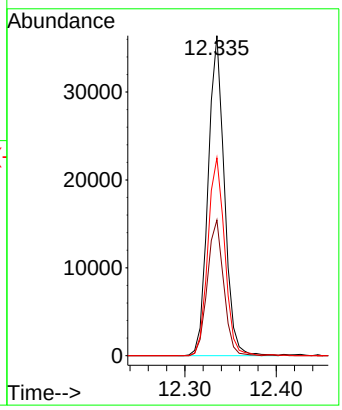
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

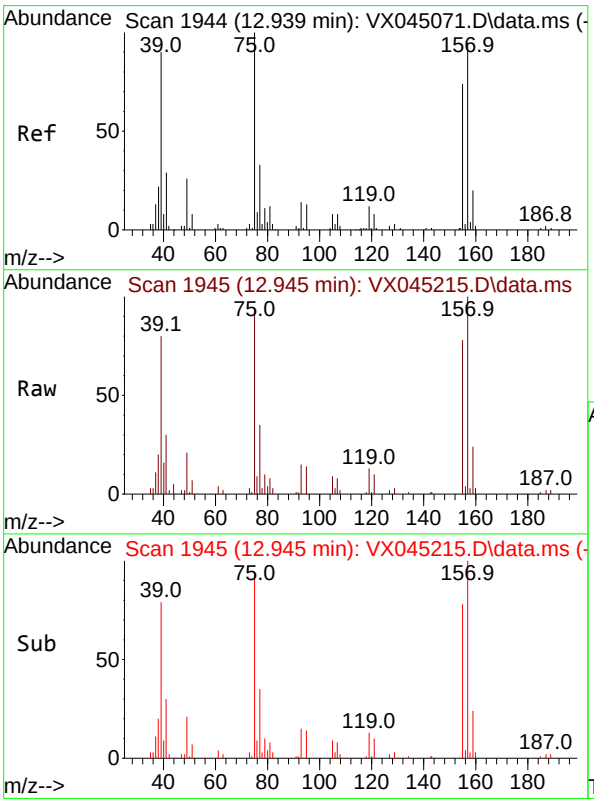
Tgt Ion:146 Resp: 4484

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.6	65.0
148	63.9	31.9	95.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

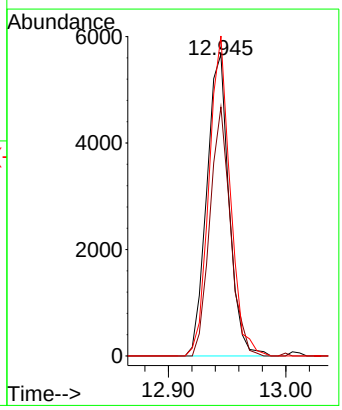


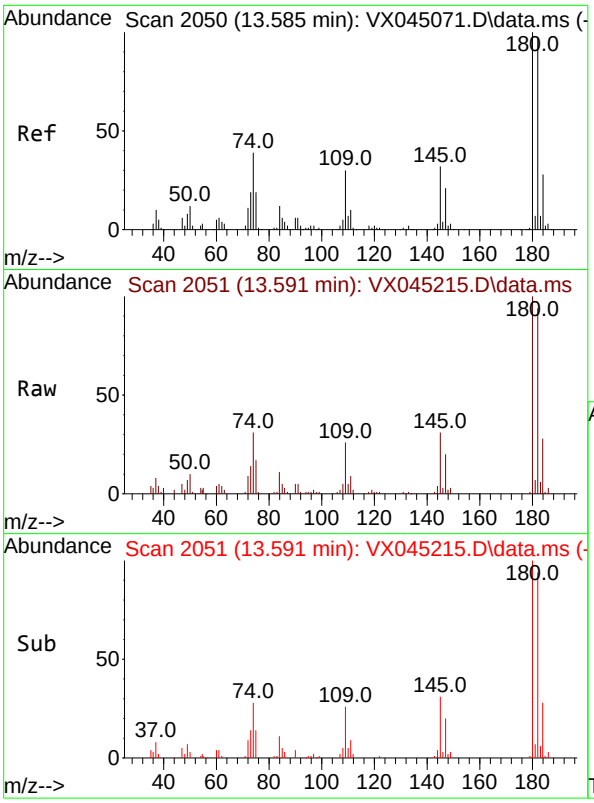


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.352 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 75 Resp: 7436

Ion	Ratio	Lower	Upper
75	100		
155	76.2	39.6	118.7
157	100.8	51.1	153.4





#93
1,2,4-Trichlorobenzene
Concen: 19.453 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

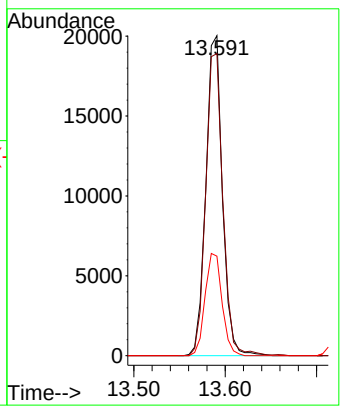
Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

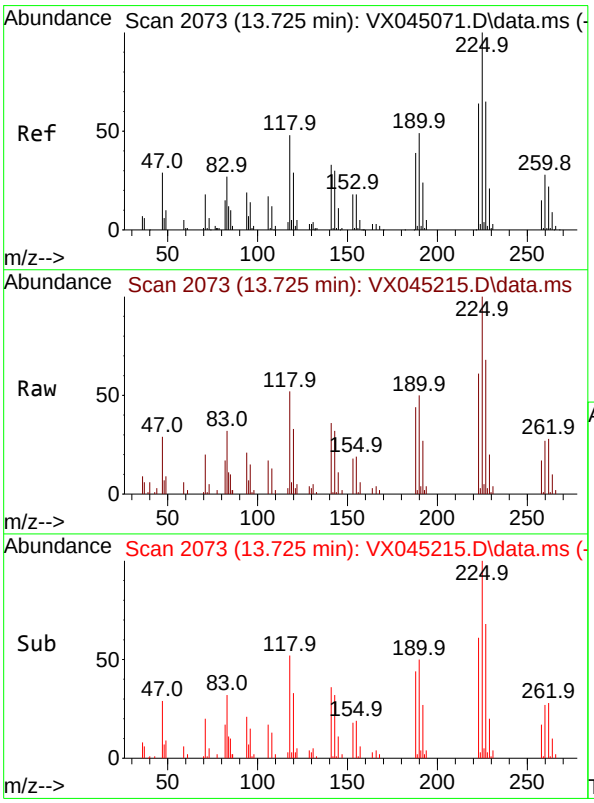
Tgt Ion:180 Resp: 2513

Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.3	141.9
145	32.8	16.3	48.9

Manual Integrations
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Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025

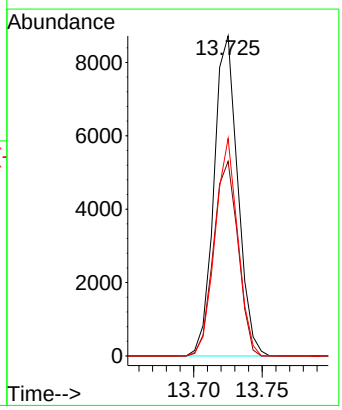


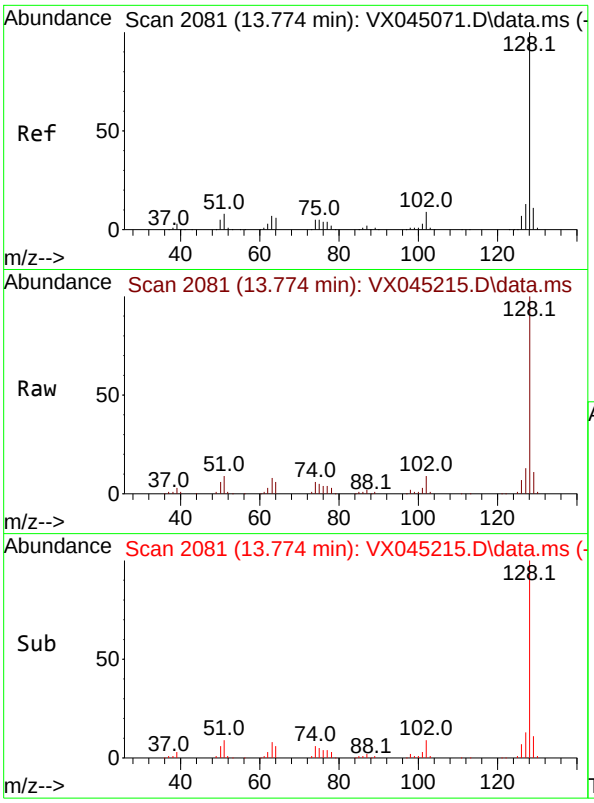


#94
Hexachlorobutadiene
Concen: 19.880 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:225 Resp: 10532

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.9	95.7
227	64.8	31.4	94.0

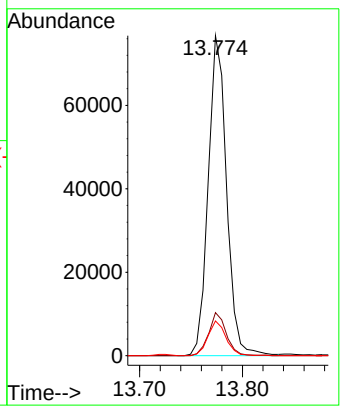




#95
Naphthalene
Concen: 19.175 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:128 Resp: 9520

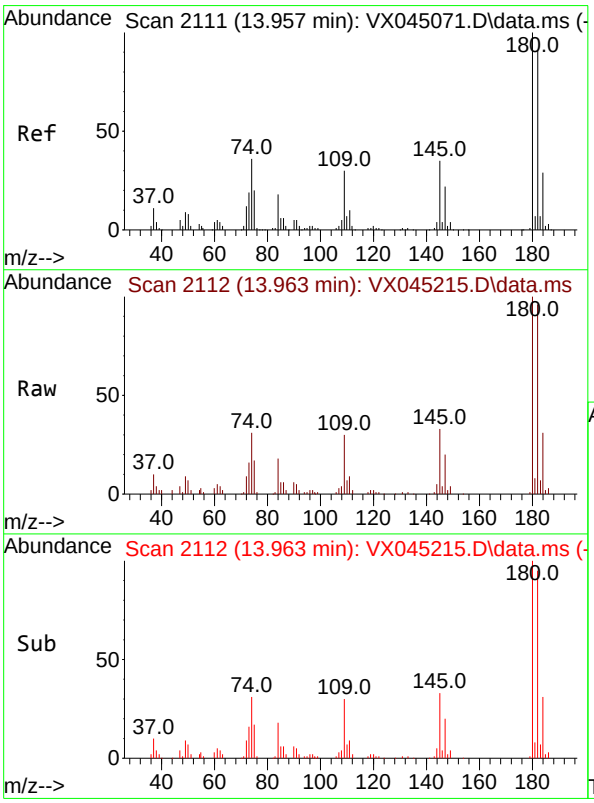
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.8	8.7	13.1



Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Manual Integrations
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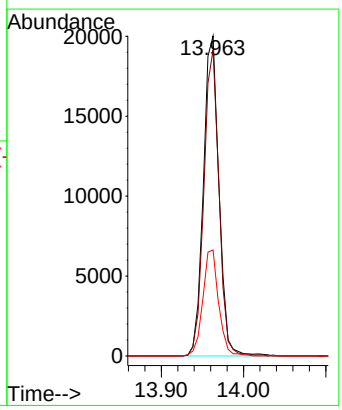
Reviewed By :John Carlone 03/12/2025
Supervised By :Mahesh Dadoda 03/12/2025



#96
1,2,3-Trichlorobenzene
Concen: 19.287 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:180 Resp: 26292

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.5	142.6
145	33.8	17.0	50.9



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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
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:	VX031025	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045183.D	1,2,3-Trichloropropane	JOHN	3/11/2025 9:57:12 AM	MMDadoda	3/11/2025 1:03:13 PM	Peak Integrated by Software
VX0310WBS01	VX045186.D	1,2,3-Trichloropropane	JOHN	3/11/2025 9:57:17 AM	MMDadoda	3/11/2025 1:03:17 PM	Peak Integrated by Software
VSTDCCC050	VX045209.D	1,2,3-Trichloropropane	JOHN	3/11/2025 9:57:32 AM	MMDadoda	3/11/2025 1:03:29 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX031125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045211.D	1,2,3-Trichloropropane	JOHN	3/12/2025 9:52:29 AM	MMDadoda	3/12/2025 3:17:16 PM	Peak Integrated by Software
VX0311WBS01	VX045214.D	1,2,3-Trichloropropane	JOHN	3/12/2025 9:52:33 AM	MMDadoda	3/12/2025 3:17:16 PM	Peak Integrated by Software
VX0311WBSD01	VX045215.D	1,2,3-Trichloropropane	JOHN	3/12/2025 9:52:37 AM	MMDadoda	3/12/2025 3:17:18 PM	Peak Integrated by Software
VSTDCCC050	VX045236.D	1,2,3-Trichloropropane	JOHN	3/12/2025 9:53:00 AM	MMDadoda	3/12/2025 3:17:20 PM	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

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031025

Review By	John Carlone	Review On	3/11/2025 10:07:40 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/11/2025 3:09:07 PM		
SubDirectory	VX031025	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133235
Initial Calibration Stds	
CCC	VP133236,VP133237
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045182.D	10 Mar 2025 09:38	JC/MD	Ok
2	VSTDCCC050	VX045183.D	10 Mar 2025 10:06	JC/MD	Ok,M
3	VX0310MBL01	VX045184.D	10 Mar 2025 10:34	JC/MD	Ok
4	VX0310WBL01	VX045185.D	10 Mar 2025 10:57	JC/MD	Ok
5	VX0310WBS01	VX045186.D	10 Mar 2025 11:20	JC/MD	Ok,M
6	Q1531-01	VX045187.D	10 Mar 2025 11:47	JC/MD	Ok
7	Q1500-08	VX045188.D	10 Mar 2025 12:10	JC/MD	Ok
8	Q1500-01	VX045189.D	10 Mar 2025 12:33	JC/MD	Ok
9	Q1500-02	VX045190.D	10 Mar 2025 12:57	JC/MD	Ok
10	Q1500-03	VX045191.D	10 Mar 2025 13:20	JC/MD	Ok
11	Q1500-04	VX045192.D	10 Mar 2025 13:43	JC/MD	Dilution
12	Q1500-05	VX045193.D	10 Mar 2025 14:06	JC/MD	Ok
13	Q1500-06	VX045194.D	10 Mar 2025 14:29	JC/MD	Ok
14	Q1500-07	VX045195.D	10 Mar 2025 14:53	JC/MD	Dilution
15	Q1531-02	VX045196.D	10 Mar 2025 15:16	JC/MD	ReRun
16	Q1531-03	VX045197.D	10 Mar 2025 15:39	JC/MD	Dilution
17	Q1531-04	VX045198.D	10 Mar 2025 16:02	JC/MD	Ok
18	Q1531-05	VX045199.D	10 Mar 2025 16:25	JC/MD	Dilution
19	Q1531-10	VX045200.D	10 Mar 2025 16:48	JC/MD	Ok
20	Q1531-11	VX045201.D	10 Mar 2025 17:12	JC/MD	Dilution
21	Q1531-13	VX045202.D	10 Mar 2025 17:35	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031025

Review By	John Carlone	Review On	3/11/2025 10:07:40 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/11/2025 3:09:07 PM		
SubDirectory	VX031025	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133235
Initial Calibration Stds	
CCC	VP133236,VP133237
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1531-14	VX045203.D	10 Mar 2025 17:58	JC/MD	Ok
23	Q1531-16	VX045204.D	10 Mar 2025 18:21	JC/MD	Dilution
24	Q1531-17	VX045205.D	10 Mar 2025 18:44	JC/MD	Dilution
25	Q1531-07	VX045206.D	10 Mar 2025 19:07	JC/MD	Dilution
26	Q1531-08MS	VX045207.D	10 Mar 2025 19:31	JC/MD	Ok,M
27	Q1531-09MSD	VX045208.D	10 Mar 2025 19:54	JC/MD	Ok,M
28	VSTDCCC050	VX045209.D	10 Mar 2025 20:17	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031125

Review By	John Carlone	Review On	3/12/2025 10:04:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/12/2025 3:17:22 PM		
SubDirectory	VX031125	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133244
Initial Calibration Stds	
CCC	VP133245,VP133246
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045210.D	11 Mar 2025 09:30	JC/MD	Ok
2	VSTDCCC050	VX045211.D	11 Mar 2025 09:59	JC/MD	Ok,M
3	VX0311MBL01	VX045212.D	11 Mar 2025 10:27	JC/MD	Ok
4	VX0311WBL01	VX045213.D	11 Mar 2025 10:51	JC/MD	Ok
5	VX0311WBS01	VX045214.D	11 Mar 2025 11:14	JC/MD	Ok,M
6	VX0311WBSD01	VX045215.D	11 Mar 2025 11:40	JC/MD	Ok,M
7	Q1502-01	VX045216.D	11 Mar 2025 12:03	JC/MD	Ok
8	IBLK	VX045217.D	11 Mar 2025 12:27	JC/MD	Ok
9	Q1500-07DL	VX045218.D	11 Mar 2025 12:50	JC/MD	Ok
10	Q1531-16DL	VX045219.D	11 Mar 2025 13:13	JC/MD	Ok
11	Q1500-04DL	VX045220.D	11 Mar 2025 13:36	JC/MD	Ok
12	Q1531-03DL	VX045221.D	11 Mar 2025 14:00	JC/MD	Ok
13	Q1531-05DL	VX045222.D	11 Mar 2025 14:23	JC/MD	Ok
14	Q1531-11DL	VX045223.D	11 Mar 2025 14:46	JC/MD	Ok
15	Q1531-17DL	VX045224.D	11 Mar 2025 15:09	JC/MD	Ok
16	Q1531-07DL	VX045225.D	11 Mar 2025 15:33	JC/MD	Ok
17	Q1531-18	VX045226.D	11 Mar 2025 15:56	JC/MD	Ok
18	Q1531-21	VX045227.D	11 Mar 2025 16:19	JC/MD	Ok
19	Q1531-02	VX045228.D	11 Mar 2025 16:43	JC/MD	Ok
20	Q1541-01	VX045229.D	11 Mar 2025 17:06	JC/MD	Ok
21	Q1531-19	VX045230.D	11 Mar 2025 17:29	JC/MD	Dilution

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031125

Review By	John Carlone	Review On	3/12/2025 10:04:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/12/2025 3:17:22 PM		
SubDirectory	VX031125	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133244
Initial Calibration Stds	
CCC	VP133245,VP133246
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1531-20	VX045231.D	11 Mar 2025 17:52	JC/MD	ReRun
23	Q1531-12	VX045232.D	11 Mar 2025 18:16	JC/MD	Dilution
24	Q1531-15	VX045233.D	11 Mar 2025 18:39	JC/MD	Dilution
25	Q1531-06	VX045234.D	11 Mar 2025 19:02	JC/MD	Not Ok
26	Q1525-01	VX045235.D	11 Mar 2025 19:25	JC/MD	Ok,M
27	VSTDCCC050	VX045236.D	11 Mar 2025 19:49	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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031025

Review By	John Carlone	Review On	3/11/2025 10:07:40 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/11/2025 3:09:07 PM		
SubDirectory	VX031025	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133235
Initial Calibration Stds	
CCC	VP133236,VP133237
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	VX045182.D	10 Mar 2025 09:38		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045183.D	10 Mar 2025 10:06	pH#Lot#V12668	JC/MD	Ok,M
3	VX0310MBL01	VX0310MBL01	VX045184.D	10 Mar 2025 10:34		JC/MD	Ok
4	VX0310WBL01	VX0310WBL01	VX045185.D	10 Mar 2025 10:57		JC/MD	Ok
5	VX0310WBS01	VX0310WBS01	VX045186.D	10 Mar 2025 11:20		JC/MD	Ok,M
6	Q1531-01	RE122D2-20250305	VX045187.D	10 Mar 2025 11:47	vial A pH<2	JC/MD	Ok
7	Q1500-08	TB	VX045188.D	10 Mar 2025 12:10	vial A pH<2 TB	JC/MD	Ok
8	Q1500-01	RE114D2-20250304	VX045189.D	10 Mar 2025 12:33	vial A pH<2	JC/MD	Ok
9	Q1500-02	MW178S-20250305	VX045190.D	10 Mar 2025 12:57	vial A pH<2	JC/MD	Ok
10	Q1500-03	MW178I-20250305	VX045191.D	10 Mar 2025 13:20	vial A pH<2	JC/MD	Ok
11	Q1500-04	MW178I1-20250305	VX045192.D	10 Mar 2025 13:43	vial A pH<2 Need 10X	JC/MD	Dilution
12	Q1500-05	MW179D1-20250305	VX045193.D	10 Mar 2025 14:06	vial A pH<2	JC/MD	Ok
13	Q1500-06	MW179D2-20250305	VX045194.D	10 Mar 2025 14:29	vial A pH<2	JC/MD	Ok
14	Q1500-07	MW179D-20250305	VX045195.D	10 Mar 2025 14:53	vial A pH<2 Need 4X	JC/MD	Dilution
15	Q1531-02	RE122D3-20250305	VX045196.D	10 Mar 2025 15:16	vial A pH<2 E flage in previous sample	JC/MD	ReRun
16	Q1531-03	RE122D1-20250305	VX045197.D	10 Mar 2025 15:39	vial A pH<2 Need 10X	JC/MD	Dilution
17	Q1531-04	RE126D1-20250306	VX045198.D	10 Mar 2025 16:02	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031025

Review By	John Carlone	Review On	3/11/2025 10:07:40 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/11/2025 3:09:07 PM		
SubDirectory	VX031025	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133235
Initial Calibration Stds	
CCC	VP133236,VP133237
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1531-05	RE126D2-20250306	VX045199.D	10 Mar 2025 16:25	vial A pH<2 Need 10X	JC/MD	Dilution
19	Q1531-10	RE103D3-20250306	VX045200.D	10 Mar 2025 16:48	vial A pH<2	JC/MD	Ok
20	Q1531-11	RE103D2-20250306	VX045201.D	10 Mar 2025 17:12	vial A pH<2 Need 10X	JC/MD	Dilution
21	Q1531-13	RE108D1-20250306	VX045202.D	10 Mar 2025 17:35	vial A pH<2	JC/MD	Ok
22	Q1531-14	RE105D1-20250306	VX045203.D	10 Mar 2025 17:58	vial A pH<2	JC/MD	Ok
23	Q1531-16	RE125D1-20250307	VX045204.D	10 Mar 2025 18:21	vial A pH<2 Need 4X	JC/MD	Dilution
24	Q1531-17	RE125D2-20250307	VX045205.D	10 Mar 2025 18:44	vial A pH<2 Need 10X	JC/MD	Dilution
25	Q1531-07	RE103D1-20250306	VX045206.D	10 Mar 2025 19:07	vial A pH<2 Need 20X	JC/MD	Dilution
26	Q1531-08MS	RE103D1-20250306MS	VX045207.D	10 Mar 2025 19:31	vial A pH<2	JC/MD	Ok,M
27	Q1531-09MSD	RE103D1-20250306MS	VX045208.D	10 Mar 2025 19:54	vial A pH<2	JC/MD	Ok,M
28	VSTDCCC050	VSTDCCC050EC	VX045209.D	10 Mar 2025 20:17		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031125

Review By	John Carlone	Review On	3/12/2025 10:04:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/12/2025 3:17:22 PM		
SubDirectory	VX031125	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133244
Initial Calibration Stds	
CCC	VP133245,VP133246
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	VX045210.D	11 Mar 2025 09:30		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045211.D	11 Mar 2025 09:59	CCAL failed low for comp. #11	JC/MD	Ok,M
3	VX0311MBL01	VX0311MBL01	VX045212.D	11 Mar 2025 10:27		JC/MD	Ok
4	VX0311WBL01	VX0311WBL01	VX045213.D	11 Mar 2025 10:51		JC/MD	Ok
5	VX0311WBS01	VX0311WBS01	VX045214.D	11 Mar 2025 11:14		JC/MD	Ok,M
6	VX0311WBSD01	VX0311WBSD01	VX045215.D	11 Mar 2025 11:40		JC/MD	Ok,M
7	Q1502-01	PT-VOA-WP	VX045216.D	11 Mar 2025 12:03	PT-VOA-WP (8260)	JC/MD	Ok
8	IBLK	IBLK	VX045217.D	11 Mar 2025 12:27		JC/MD	Ok
9	Q1500-07DL	MW179D-20250305DL	VX045218.D	11 Mar 2025 12:50	vial B pH<2	JC/MD	Ok
10	Q1531-16DL	RE125D1-20250307DL	VX045219.D	11 Mar 2025 13:13	vial B pH<2	JC/MD	Ok
11	Q1500-04DL	MW178I1-20250305DL	VX045220.D	11 Mar 2025 13:36	vial B pH<2	JC/MD	Ok
12	Q1531-03DL	RE122D1-20250305DL	VX045221.D	11 Mar 2025 14:00	vial B pH<2	JC/MD	Ok
13	Q1531-05DL	RE126D2-20250306DL	VX045222.D	11 Mar 2025 14:23	vial B pH<2	JC/MD	Ok
14	Q1531-11DL	RE103D2-20250306DL	VX045223.D	11 Mar 2025 14:46	vial B pH<2	JC/MD	Ok
15	Q1531-17DL	RE125D2-20250307DL	VX045224.D	11 Mar 2025 15:09	vial B pH<2	JC/MD	Ok
16	Q1531-07DL	RE103D1-20250306DL	VX045225.D	11 Mar 2025 15:33	vial B pH<2	JC/MD	Ok
17	Q1531-18	FB01	VX045226.D	11 Mar 2025 15:56	vial A pH<2 FB	JC/MD	Ok
18	Q1531-21	TB	VX045227.D	11 Mar 2025 16:19	vial A pH<2 TB	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX031125

Review By	John Carlone	Review On	3/12/2025 10:04:41 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/12/2025 3:17:22 PM		
SubDirectory	VX031125	HP Acquire Method		HP Processing Method	82X022825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133244
Initial Calibration Stds	
CCC	VP133245,VP133246
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1531-02	RE122D3-20250305	VX045228.D	11 Mar 2025 16:43	vial B pH<2	JC/MD	Ok
20	Q1541-01	205703	VX045229.D	11 Mar 2025 17:06	vial A pH<2	JC/MD	Ok
21	Q1531-19	RE104D2-20250307	VX045230.D	11 Mar 2025 17:29	vial A pH<2 Need 10X	JC/MD	Dilution
22	Q1531-20	RE104D3-20250307	VX045231.D	11 Mar 2025 17:52	vial A pH<2 E flage in previous sample	JC/MD	ReRun
23	Q1531-12	RE108D2-20250306	VX045232.D	11 Mar 2025 18:16	vial A pH<2 Need 40X	JC/MD	Dilution
24	Q1531-15	RE105D2-20250306	VX045233.D	11 Mar 2025 18:39	vial A pH<2 Need 40X	JC/MD	Dilution
25	Q1531-06	DUP01-20250306	VX045234.D	11 Mar 2025 19:02	run straight	JC/MD	Not Ok
26	Q1525-01	MW10	VX045235.D	11 Mar 2025 19:25	vial B pH<2	JC/MD	Ok,M
27	VSTDCCC050	VSTDCCC050EC	VX045236.D	11 Mar 2025 19:49		JC/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q1500

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX031025,VX031125,

Standard ID :
VP131746,VP131767,VP132035,VP132096,VP133036,VP133174,VP133178,VP133235,VP133236,VP133237,VP133244,VP133245,VP133246,

Chemical ID :
V13391,V13457,V13460,V13465,V13466,V13706,V14154,V14175,V14176,V14289,V14433,V14439,V14521,V14522,V14613,V14614,V14624,V14630,V14631,V14632,V14633,V14722,V14723,V14724,V14744,V14754,V14809,V14814,V14842,V14872,V14873,V14874,V14875,W3112,

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Fax : 908 789 8922

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
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133036	02/14/2025	03/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 02/18/2025

FROM 1.00000ml of V14872 + 1.00000ml of V14873 + 1.00000ml of V14874 + 1.00000ml of V14875 + 21.00000ml of V14624 = Final Quantity: 25.000 ml

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

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP133235	03/10/2025	03/11/2025	John Carlone	None	None	Romaben Patel 03/11/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP131767 = Final Quantity: 40.000 ml

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Fax : 908 789 8922

VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP133236	03/10/2025	03/11/2025	John Carlone	None	None	Romaben Patel 03/11/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = 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	VP133237	03/10/2025	03/11/2025	John Carlone	None	None	Romaben Patel 03/11/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = 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	VP133244	03/11/2025	03/12/2025	John Carlone	None	None	Romaben Patel 03/11/2025

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	VP133245	03/11/2025	03/12/2025	John Carlone	None	None	Romaben Patel 03/11/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = 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	VP133246	03/11/2025	03/12/2025	John Carlone	None	None	Romaben Patel 03/11/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP131746 + 0.01250ml of VP132035 + 0.01250ml of VP133036 + 0.01250ml of VP133178 = 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 #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	07/13/2025	01/13/2025 / SAM	11/26/2024 / SAM	V14624

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

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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	V14631

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

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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	08/27/2025	02/27/2025 / SAM	12/17/2024 / SAM	V14744

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 #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14872

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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)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	021325	03/13/2025	02/14/2025 / SAM	02/14/2025 / SAM	V14875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Bottles

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 Bottles

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier

Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

5 J14

Dec 02/14/25

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

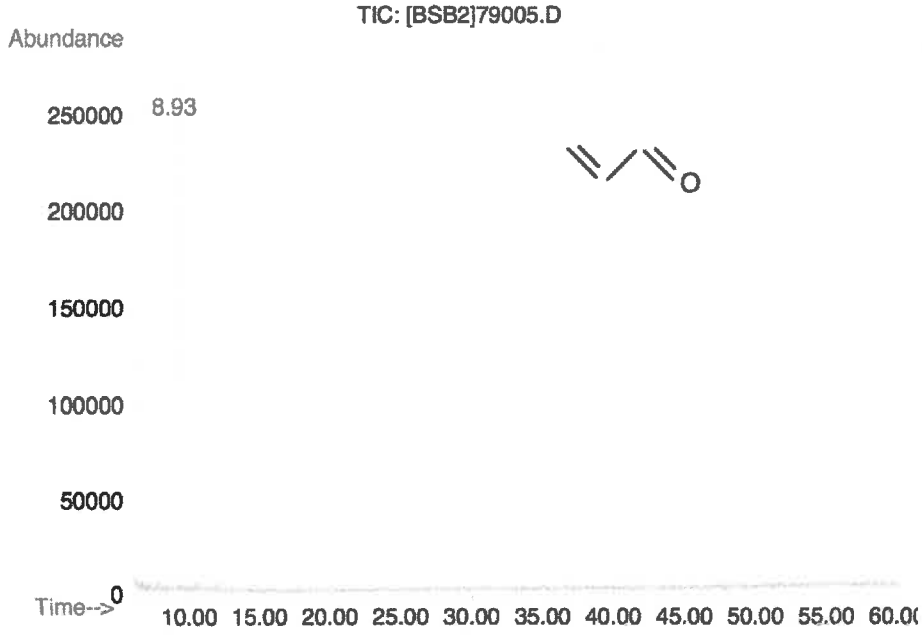
V14872 to
V14876

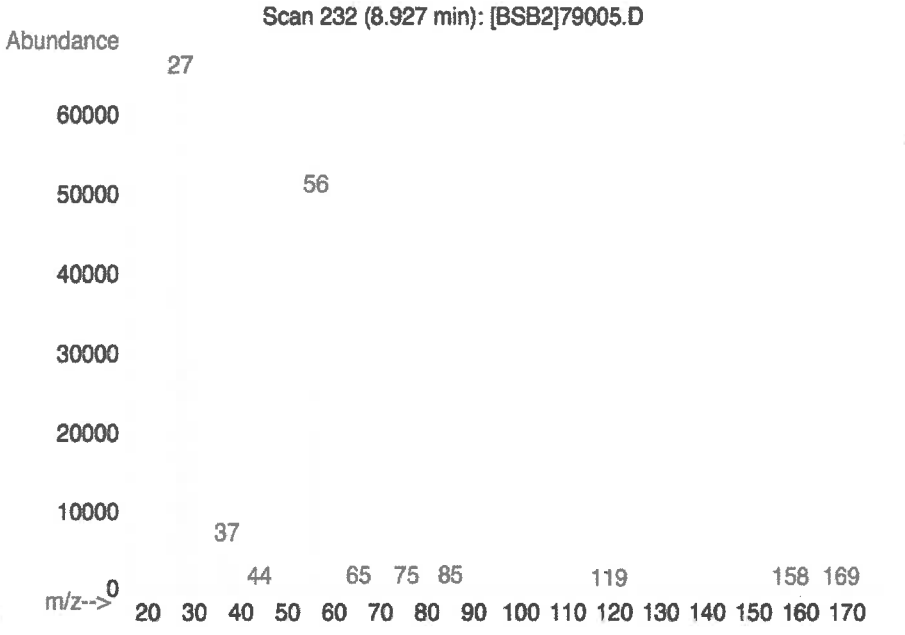
Formulated By:	Anthony Mahoney	021325 DATE
Reviewed By:	Pedro L. Rentas	021325 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated 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, 2024

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
www.absolutestandards.com

Certified Reference Material CRM

5 J14

Dec 02/14/25

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

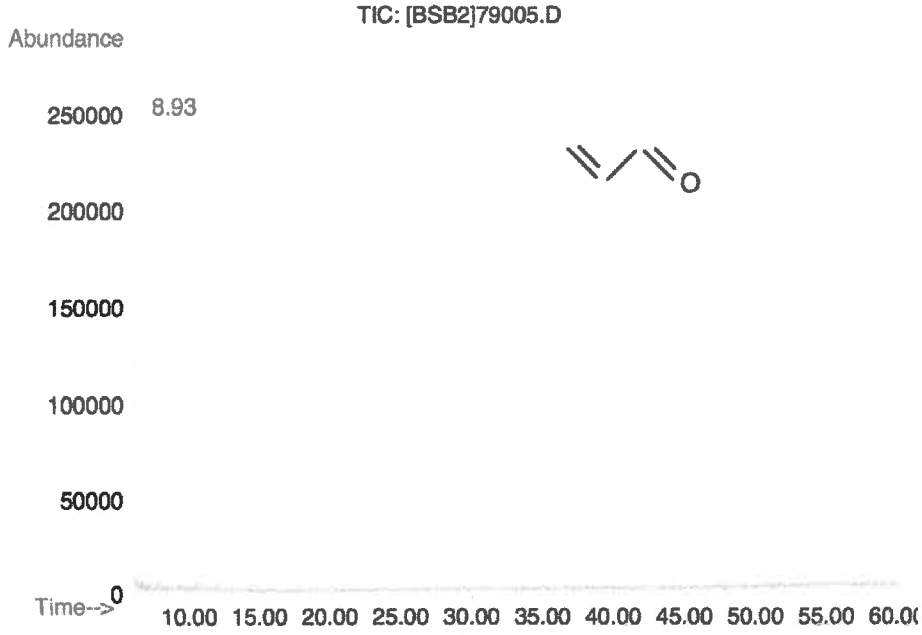
V14872 to
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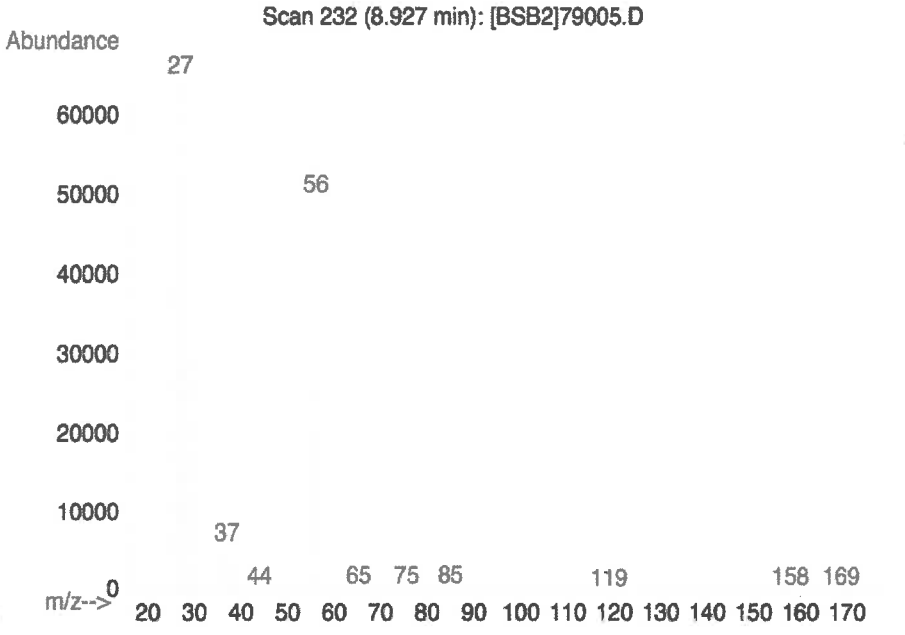
Formulated By:	Anthony Mahoney	021325 DATE
Reviewed By:	Pedro L. Rentas	021325 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated 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, 2024

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

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Certified Reference Material CRM

5 J14

Dec 02/14/25

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

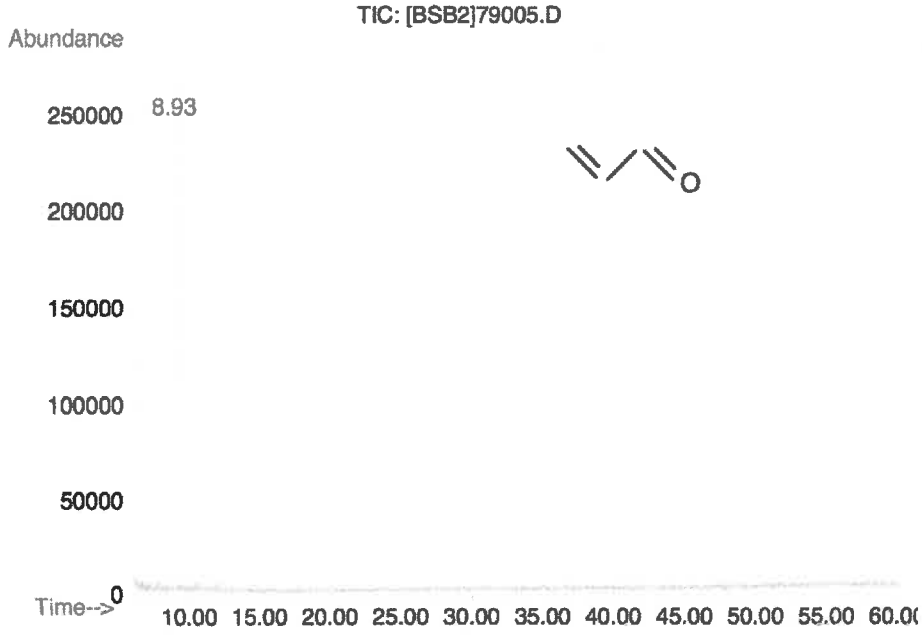
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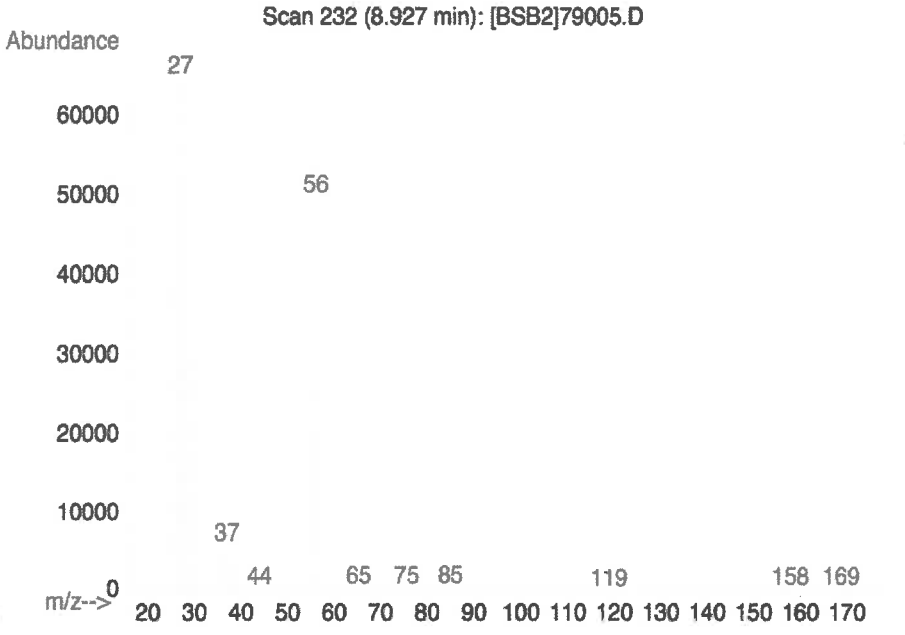
Formulated By:	Anthony Mahoney	021325 DATE
Reviewed By:	Pedro L. Rentas	021325 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Absolute Standards Inc.

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Safety Data Sheet (SDS) GHS/OSHA Compliant

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	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

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

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Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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.

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Dec 02/14/25

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 021325
Description: Acrolein

Expiration Date: 031325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

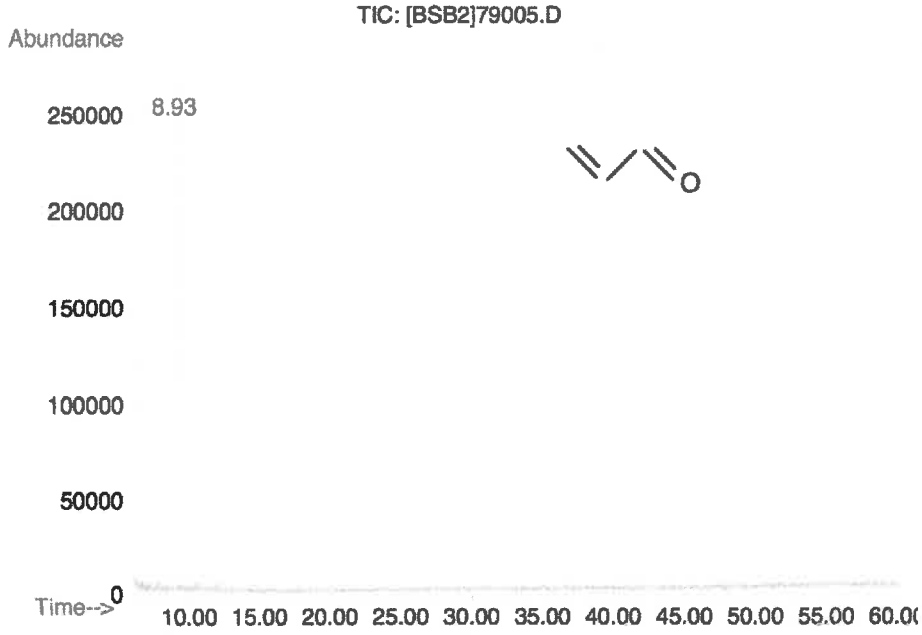
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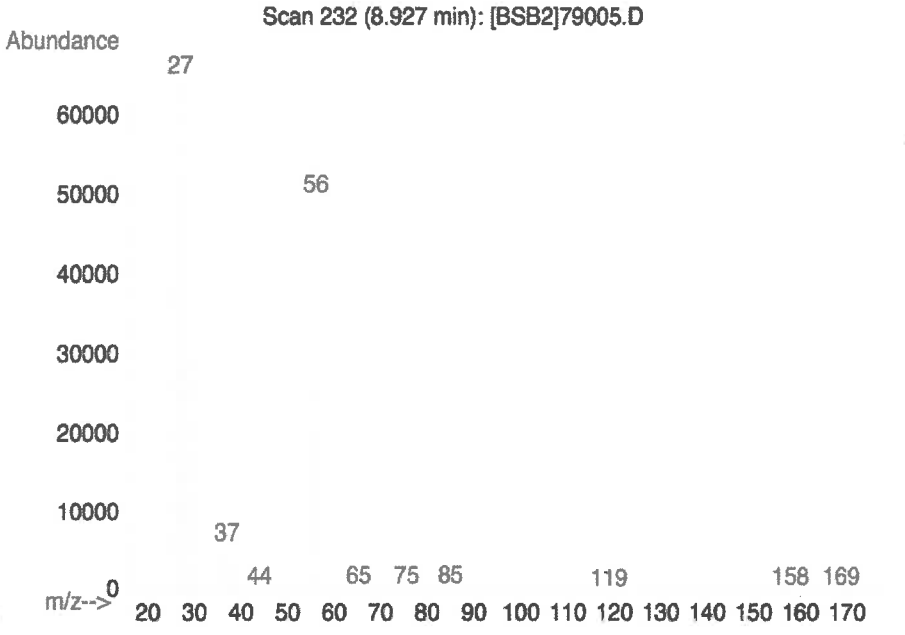
Formulated By:	Anthony Mahoney	021325 DATE
Reviewed By:	Pedro L. Rentas	021325 DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05178	5011.8	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

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.
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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.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty 5E-05 Balance Uncertainty

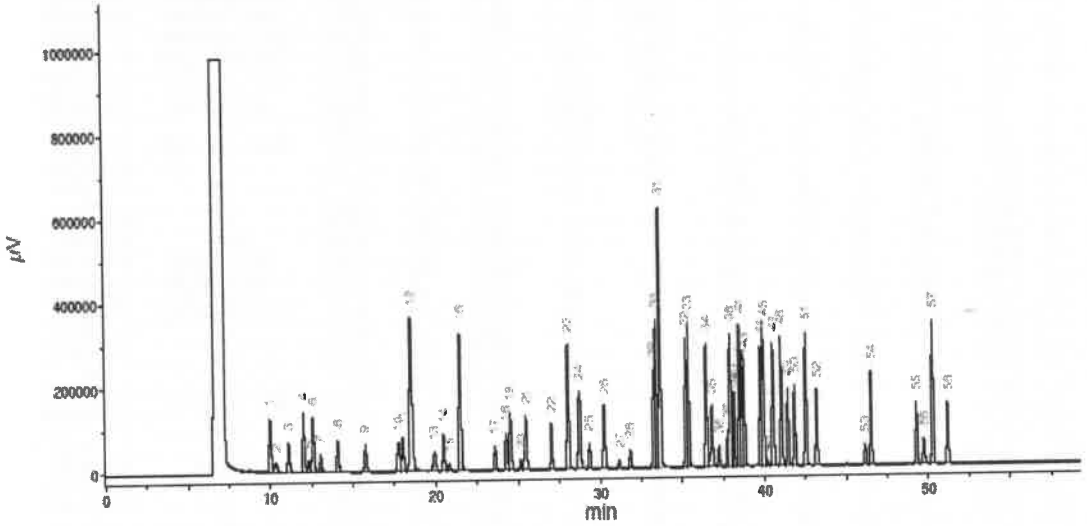
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	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	(0361)	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-Dibromoethane	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	46.48
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

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

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

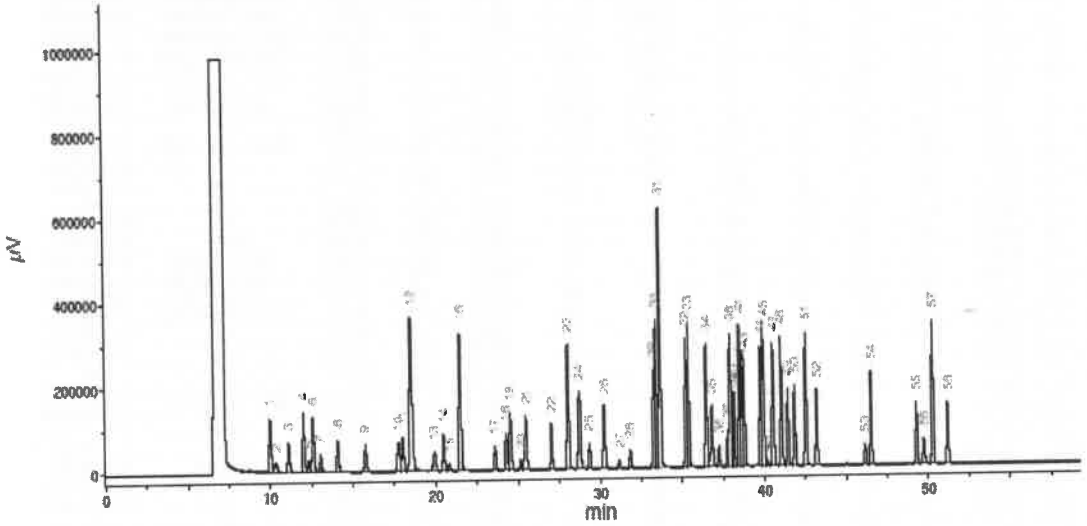
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(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	(0361)	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-Dibromoethane	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	46.48
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

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

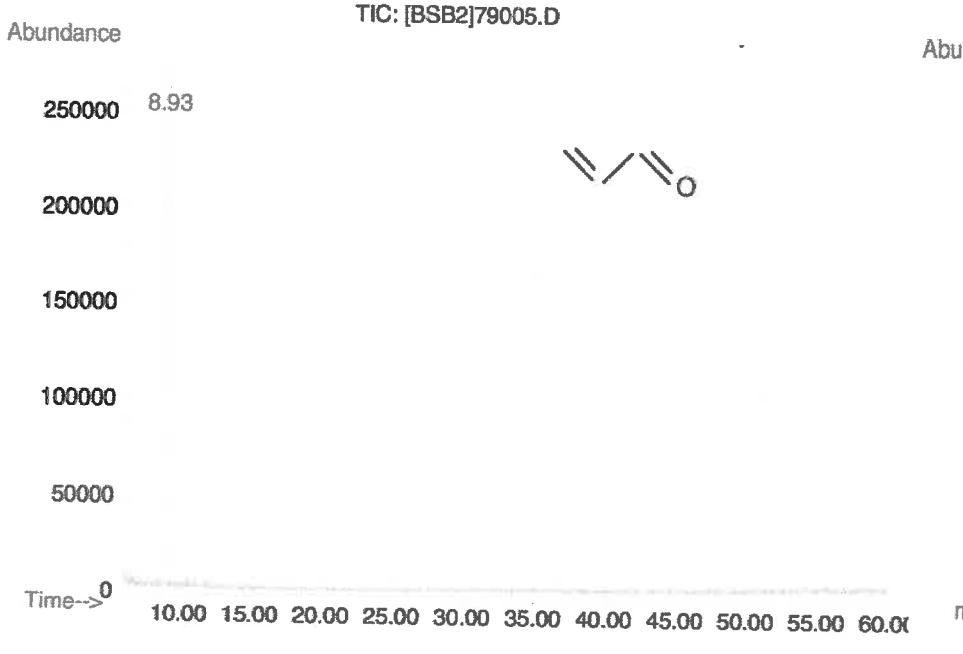
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

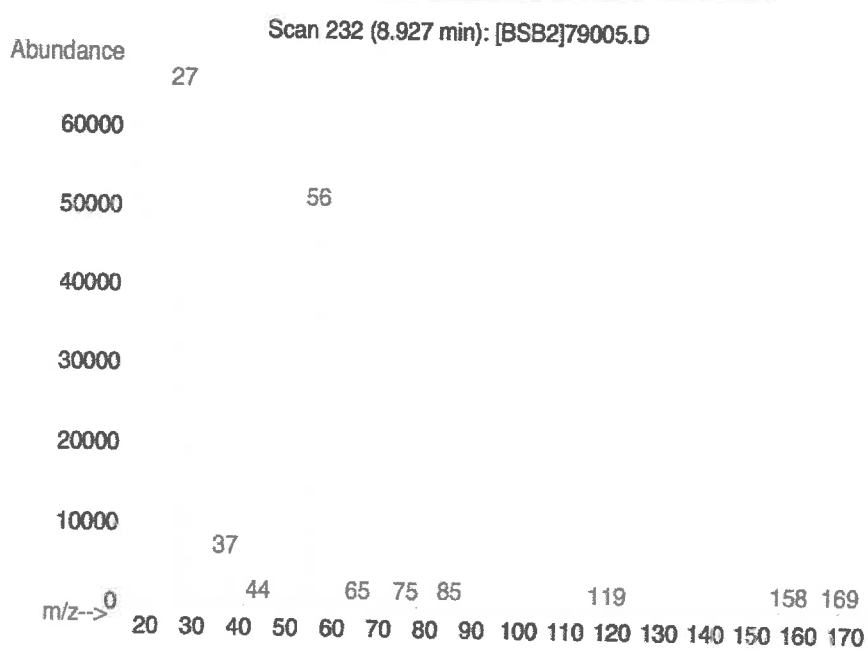
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

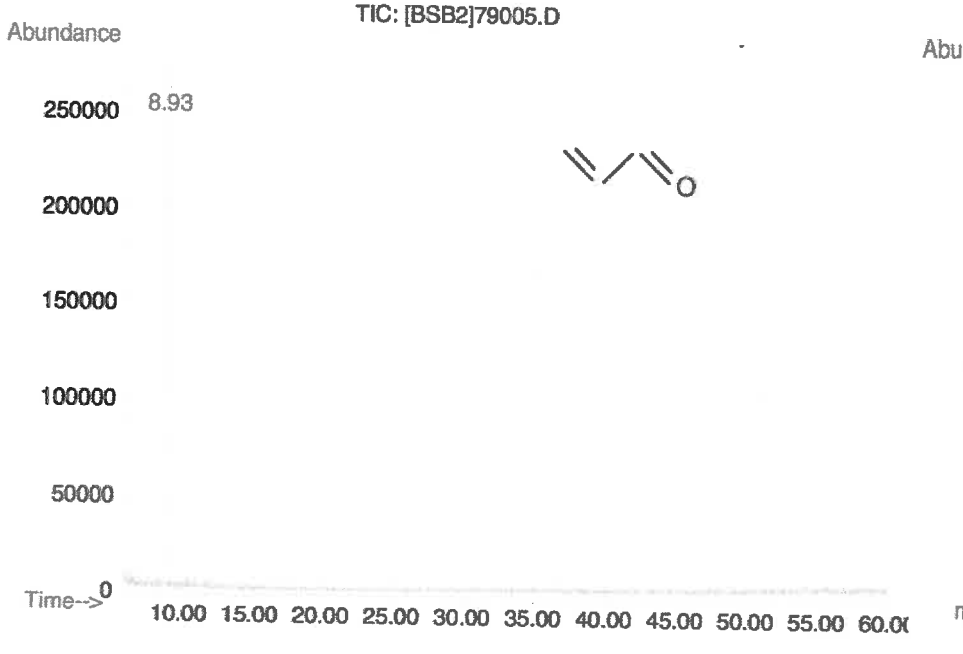
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

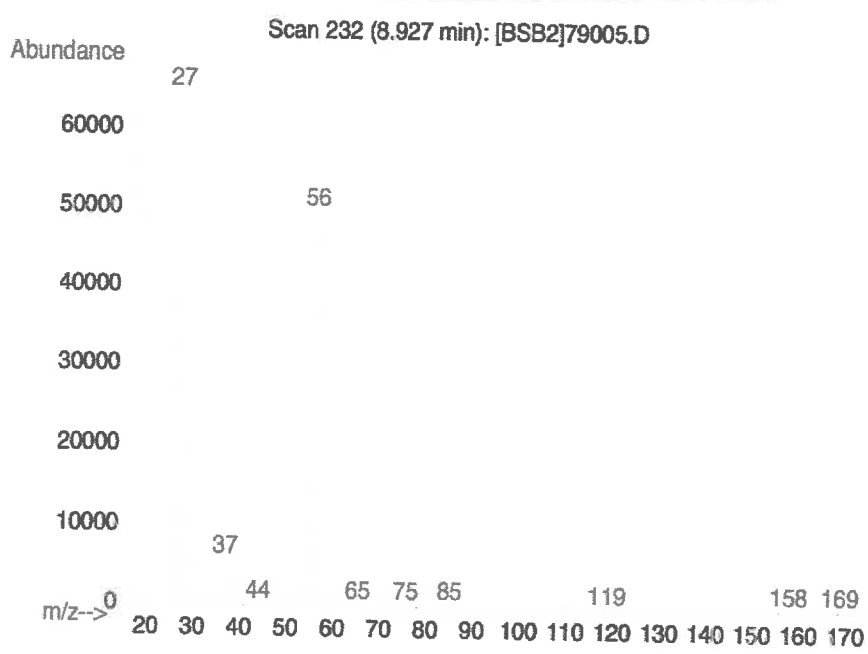
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

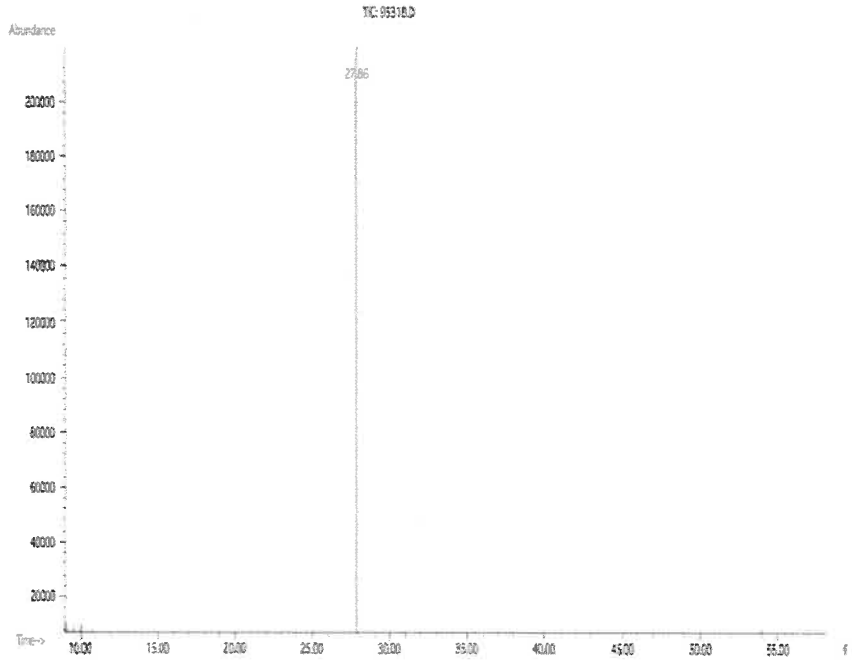
V14630 to V14649

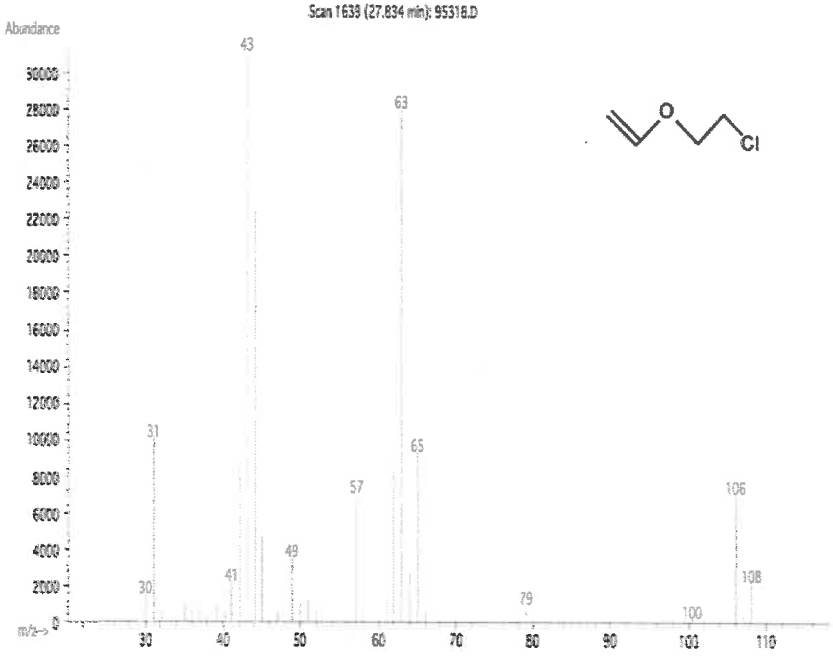
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
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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

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

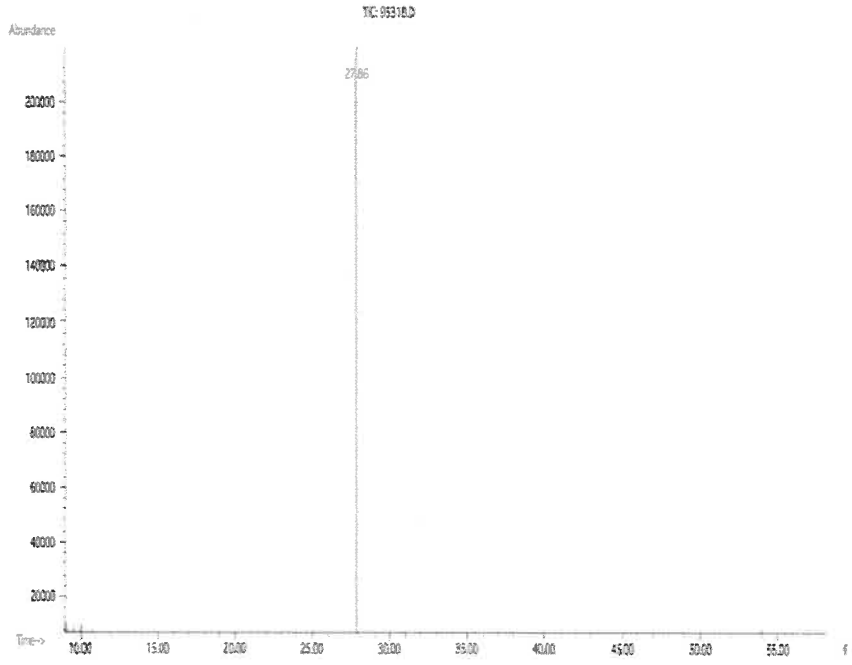
V14630 to V14649

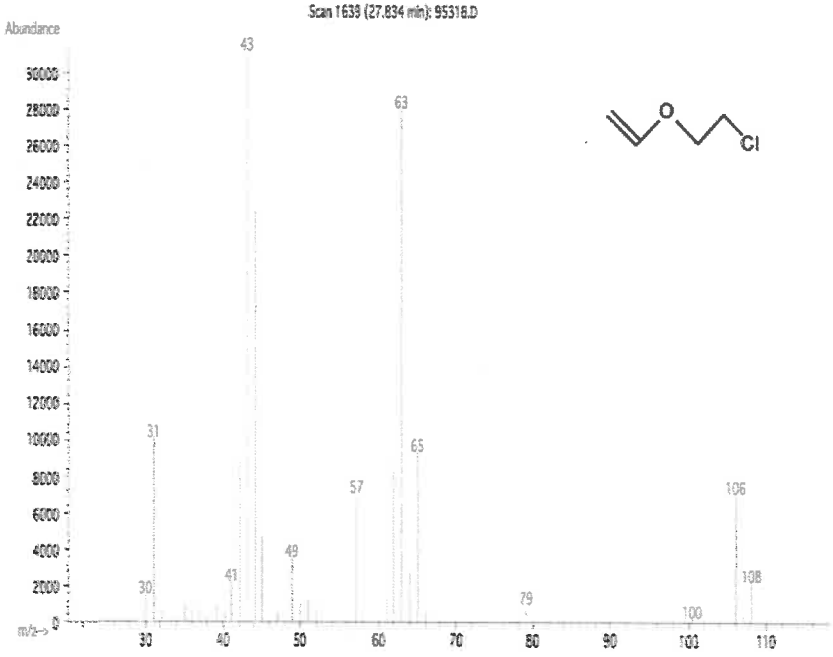
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

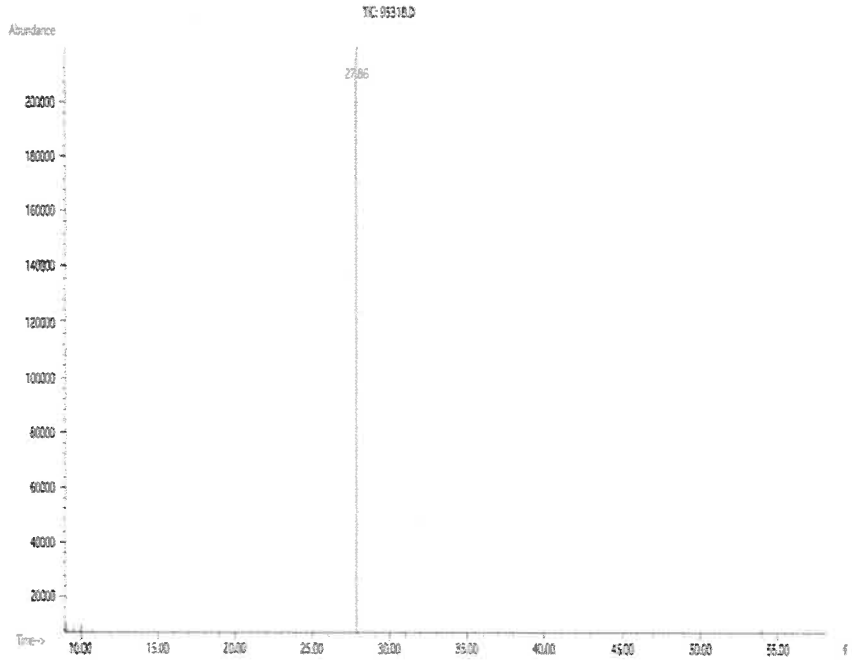
V14630 to V14649

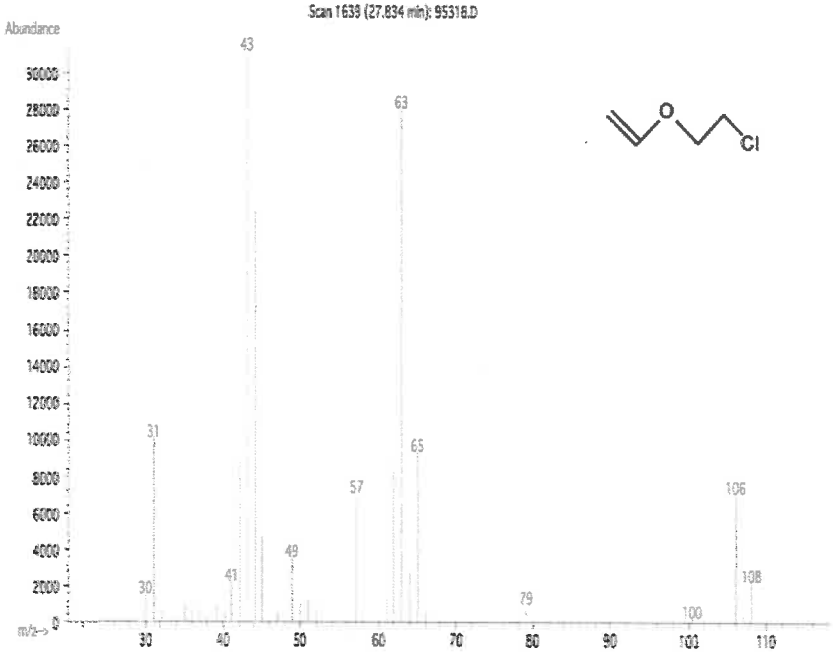
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
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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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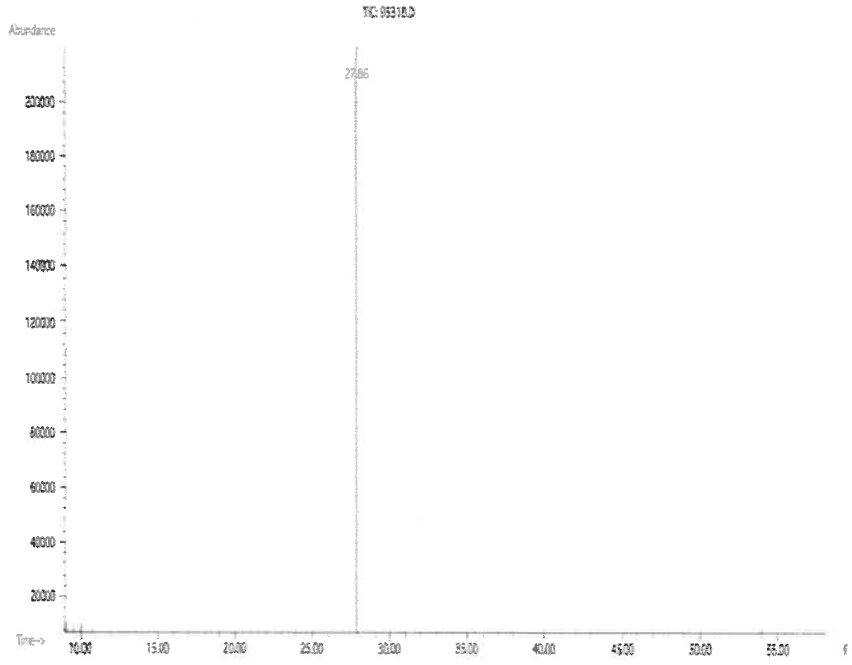
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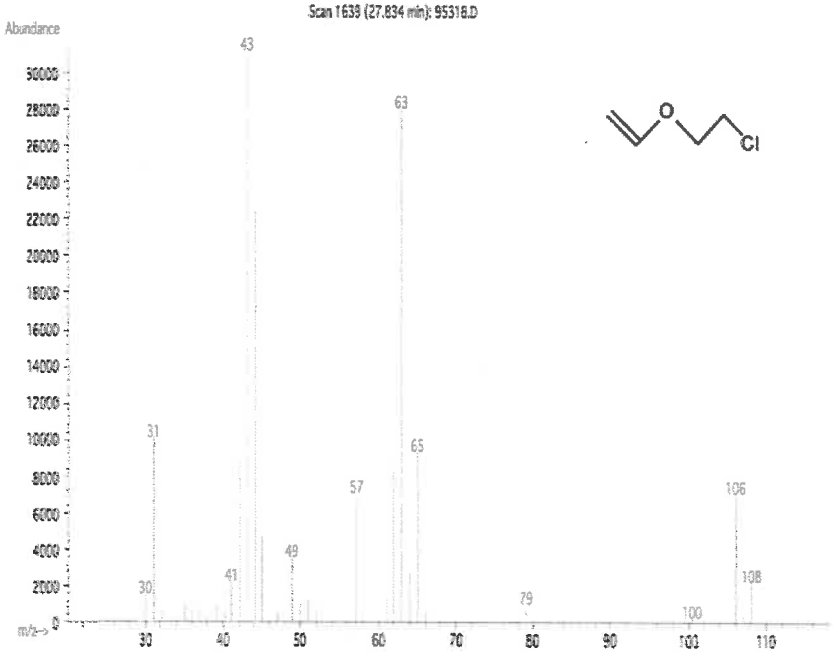
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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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)

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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

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General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
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Solubility in Water COMPLETE

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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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OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
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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

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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. : 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.)

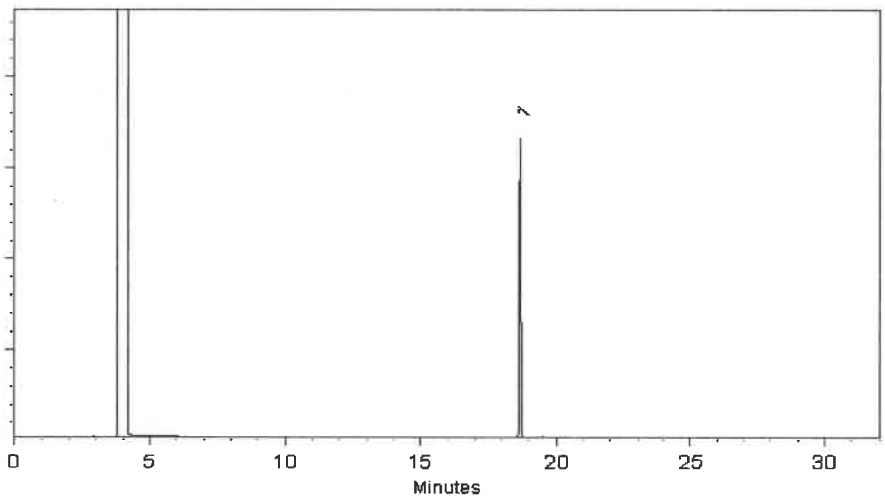
Inj. Temp:
200°C

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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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.)

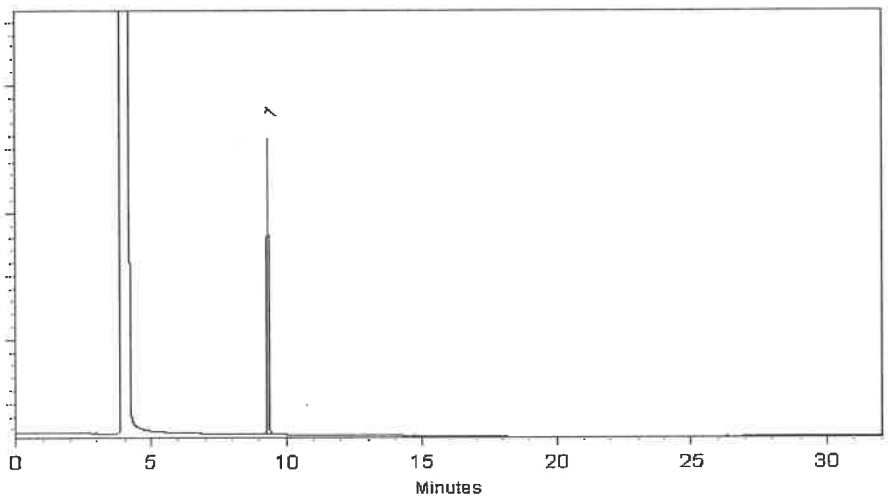
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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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- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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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.)

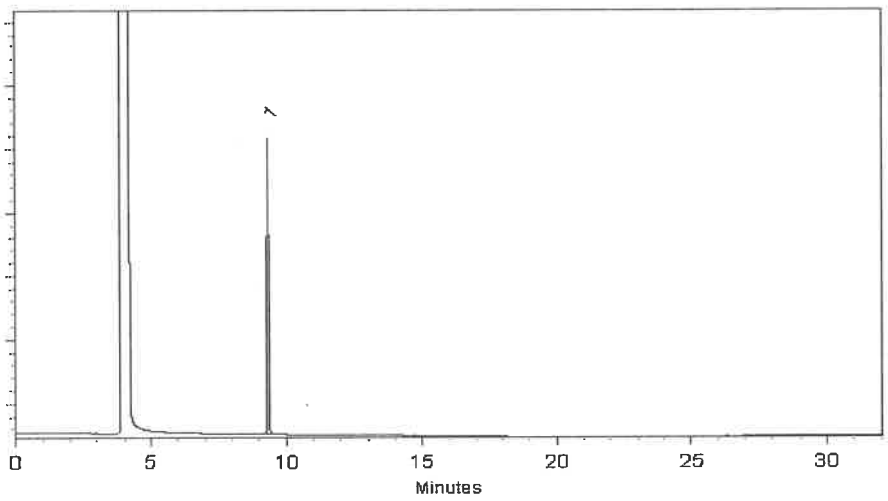
Inj. Temp:
200°C

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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Purity Notes:

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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:
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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.)

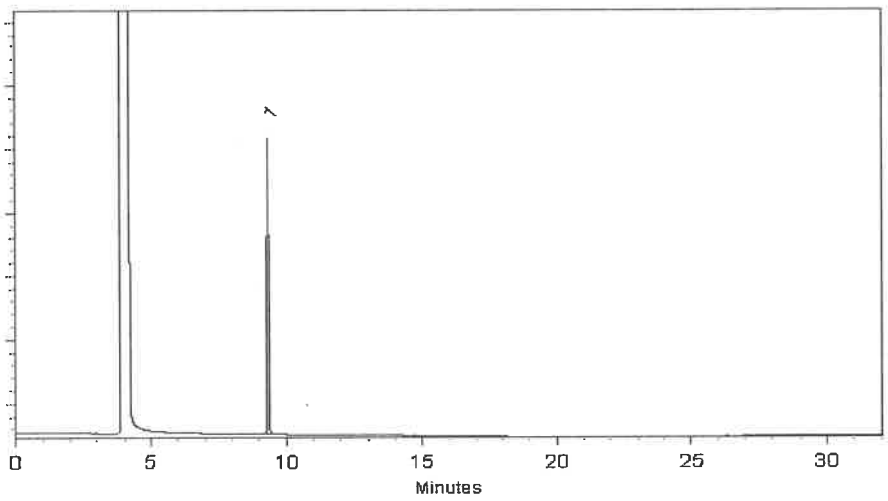
Inj. Temp:
200°C

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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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.)

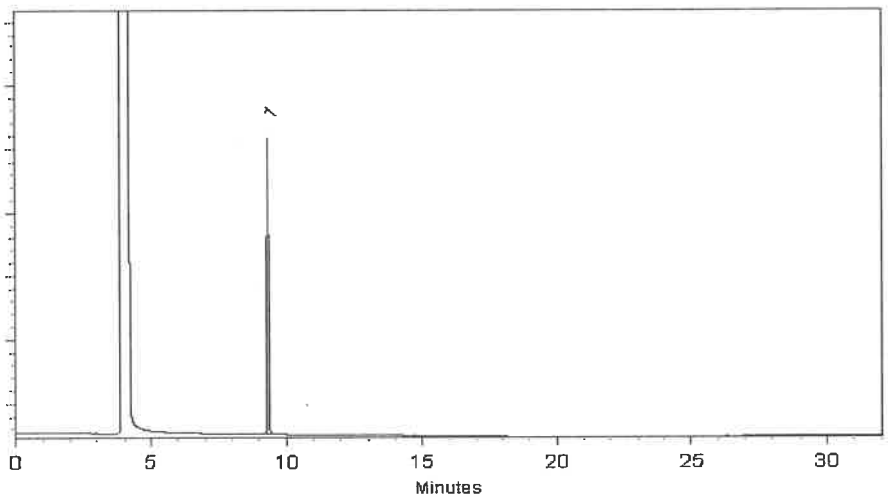
Inj. Temp:
200°C

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

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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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:

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

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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. : 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.)

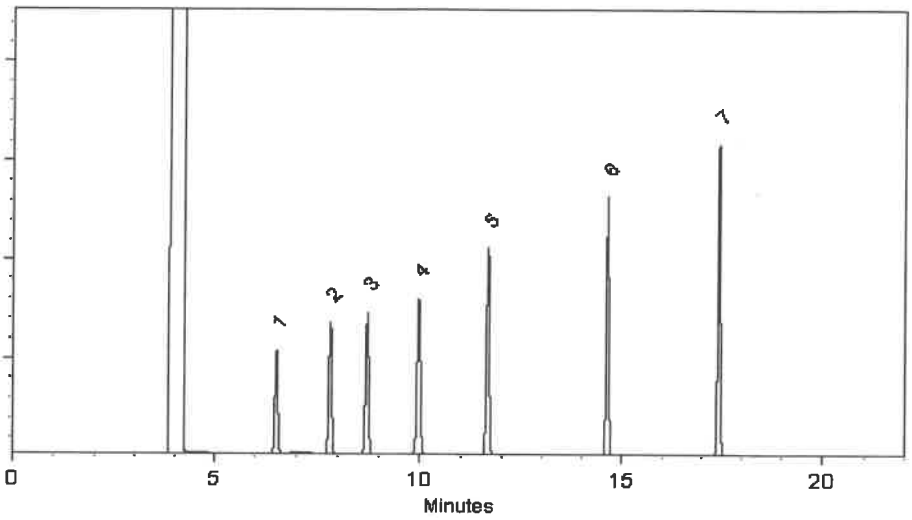
Inj. Temp:
200°C

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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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.)

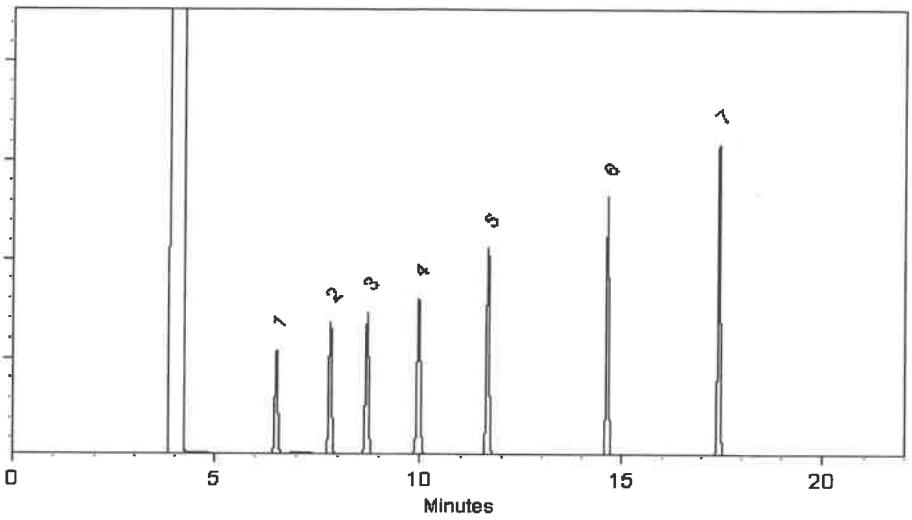
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  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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Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

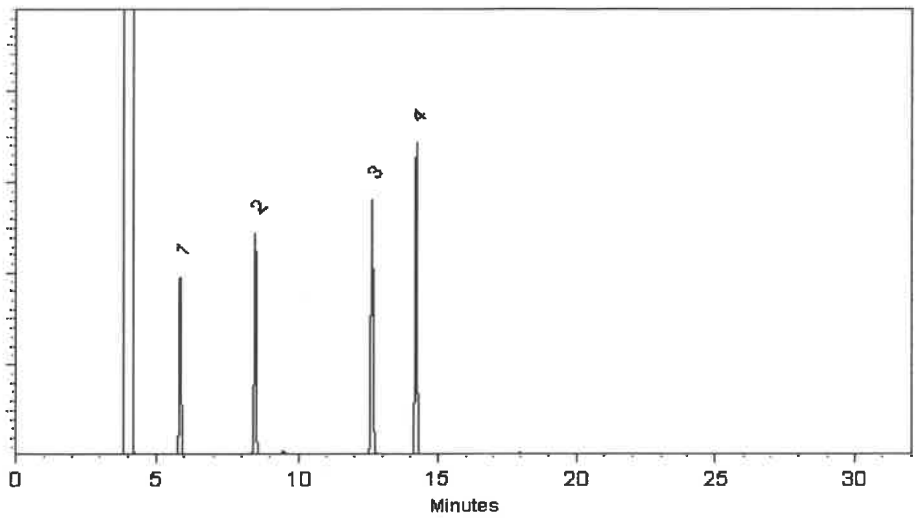
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  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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Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

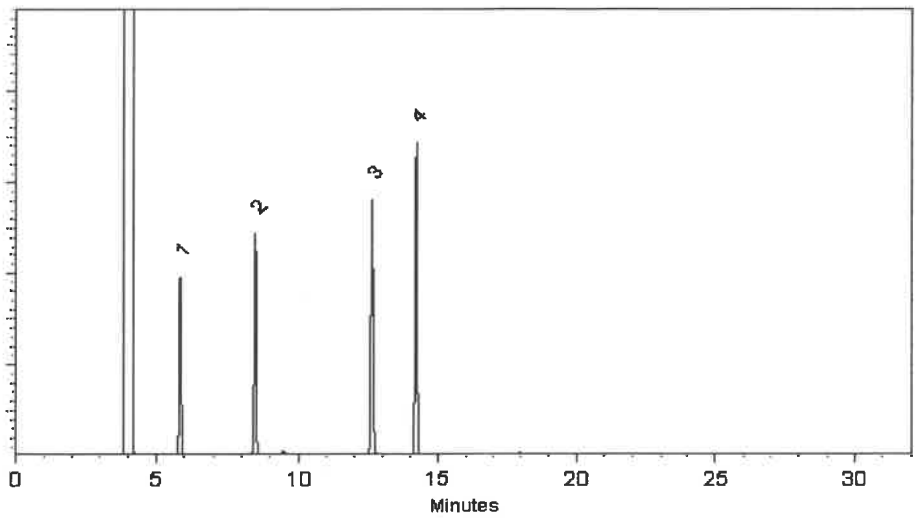
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
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.)

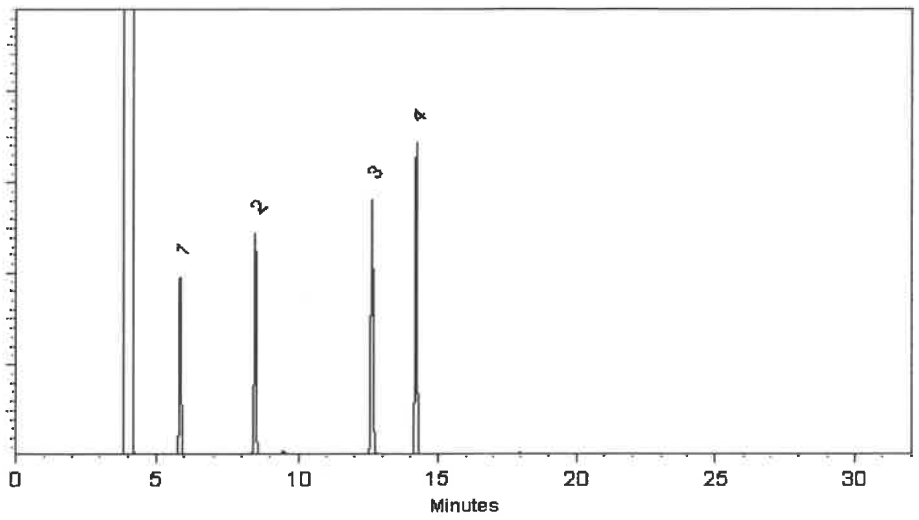
Inj. Temp:
200°C

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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V14727 to
V14756

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

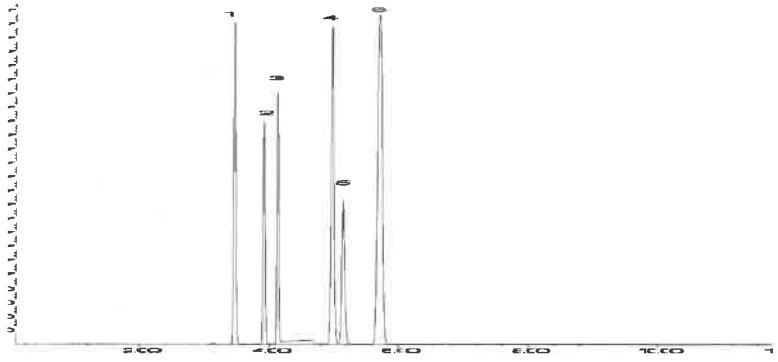
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.

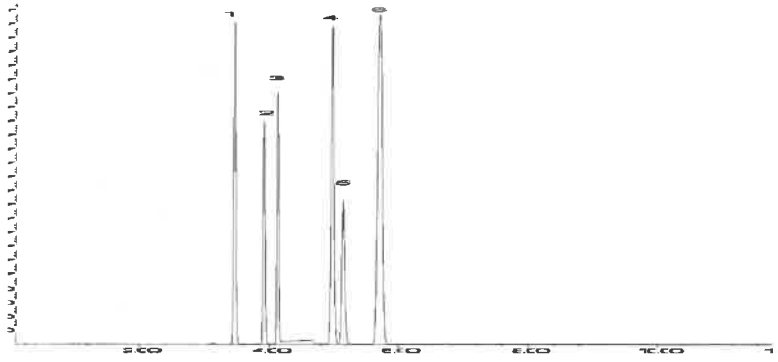
Inj. Temp:
200°C

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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Certificate of Analysis

chromatographic plus

J14842 to 14846

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

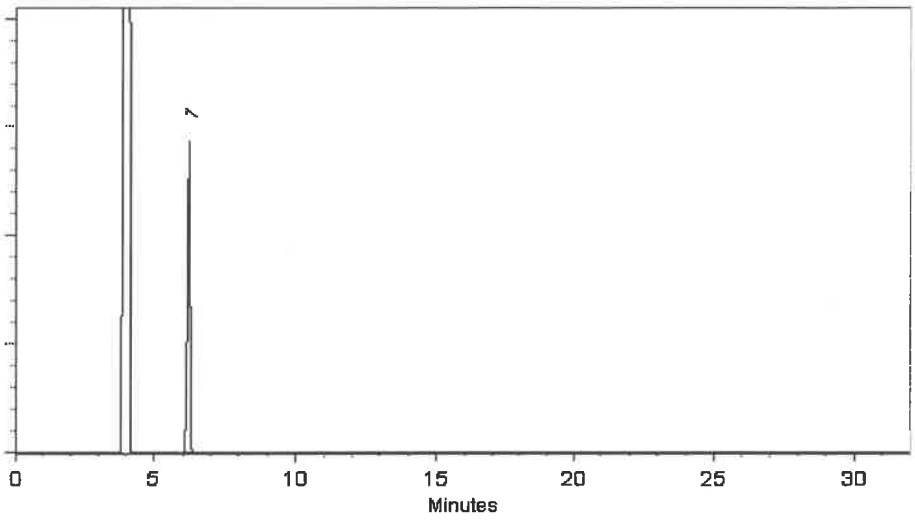
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

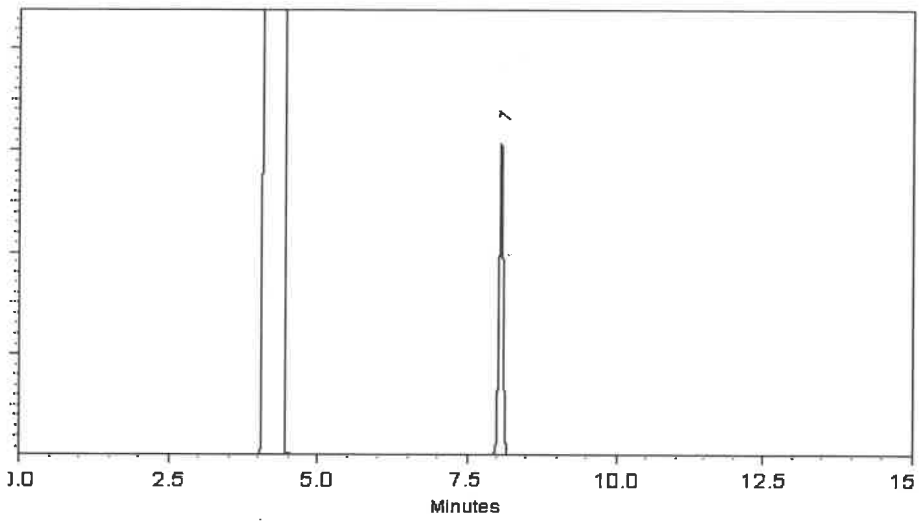
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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:

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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

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.)

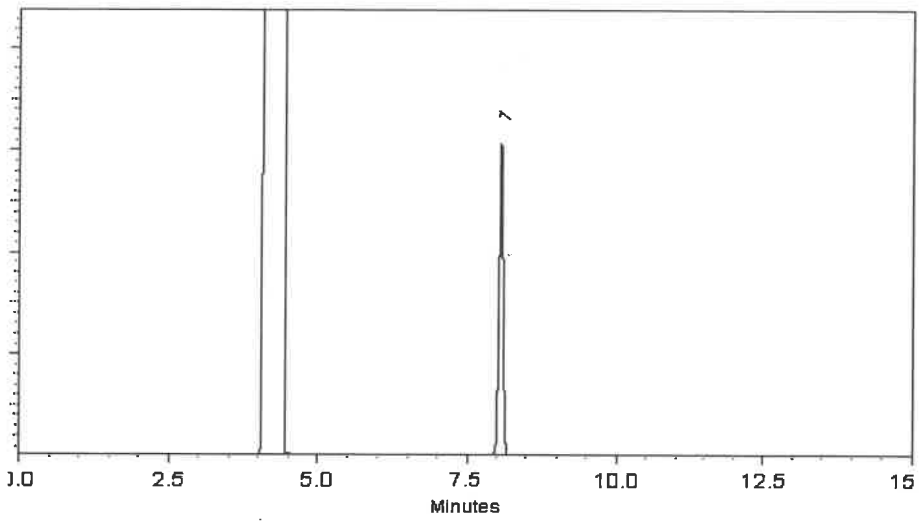
Inj. Temp:
200°C

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

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. Q1500
COC Number 2041502

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.: 60731872 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 PLACE
CITY OSSINING STATE: NY ZIP: 10563
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 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☒ EDD FORMAT NYSDEC EDD CAT B

ANALYSIS

1 VOCs 8260
2 14 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	2	3	4	5	6	7	8	9
1.	RE114D2-20250304	GW		X	3-4-25	1540	3	2	1							
2.	MW178S-20250305	GW		X	3-5-25	0935	3	2	1							
3.	MW178I-20250305	GW		X	"	0945	3	2	1							
4.	MW178I1-20250305	GW		X	"	1100	3	2	1							
5.	MW179D1-20250305	GW		X	"	0930	3	2	1							
6.	MW179D2-20250305	GW		X	"	0945	3	2	1							
7.	MW179D-20250305	GW		X	"	1115	3	2	1							
8.	TB	DW		X	3-4-25	—	2	2								
9.																
10.																

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	3-5-25 1400	1.	3-5-25 1400
2.		2.	
3.	3-5-25 1645	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.8 °C
Comments:

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1500 AECO15
Client Name : AECOM Technical Service
Client Contact : Eleanor Vivadou
Invoice Name : AECOM Technical Service
Invoice Contact : Eleanor Vivadou

Order Date : 3/5/2025 2:13:00 PM
Project Name : NAVFAC NWIRP Bethpag
Receive DateTime : 3/5/2025 ~~2:00:00~~ PM 16:45
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
Q1500-01	RE114D2-20250304	Water	03/04/2025	15:40					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1500-02	MW178S-20250305	Water	03/05/2025	09:35					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1500-03	MW178I-20250305	Water	03/05/2025	09:45					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1500-04	MW178I1-20250305	Water	03/05/2025	11:00					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1500-05	MW178D1-20250305	Water	03/05/2025	09:30					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1500-06	MW178D2-20250305	Water	03/05/2025	09:45					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1500-07	MW179D-20250305	Water	03/05/2025	11:15					
					VOCMS Group1		8260-Low		10 Bus. Days
Q1500-08	TB	Water	03/05/2025	~~15:40~~ 00:00					

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

LOGIN REPORT/SAMPLE TRANSFER

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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

Relinguished By :
Date / Time : 3-6-25 0925

Received By :
Date / Time : 03/06/25

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

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)

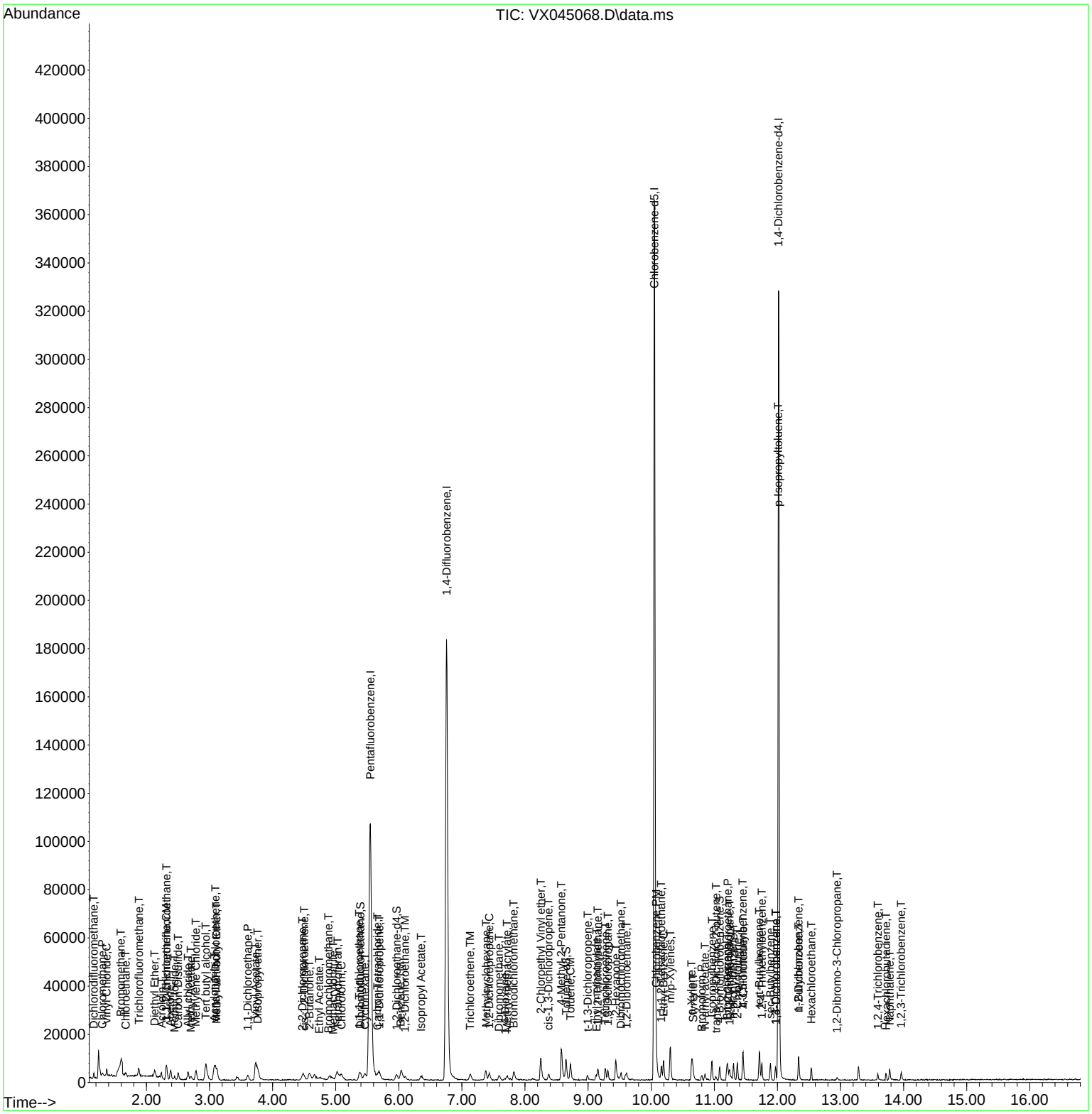
(#) = qualifier out of range (m) = manual integration (+) = signals summed

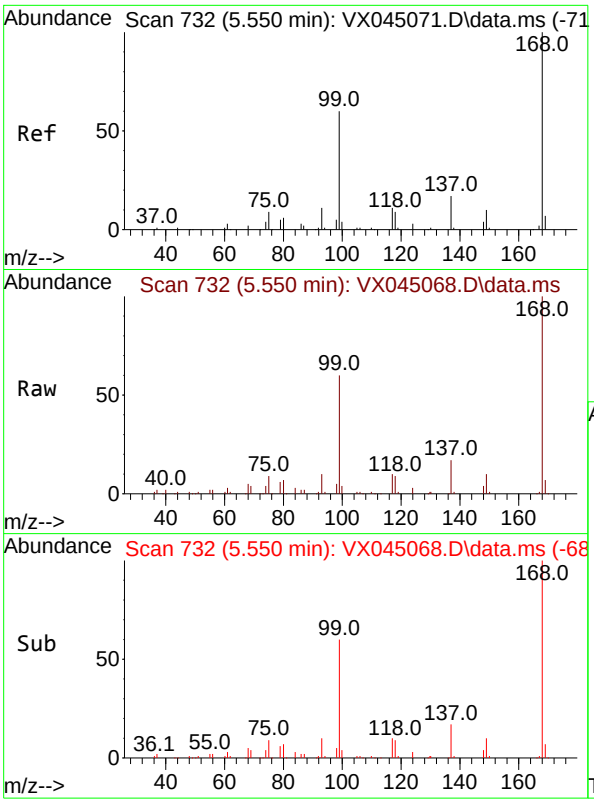
Quantitation Report (Not Reviewed)

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Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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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



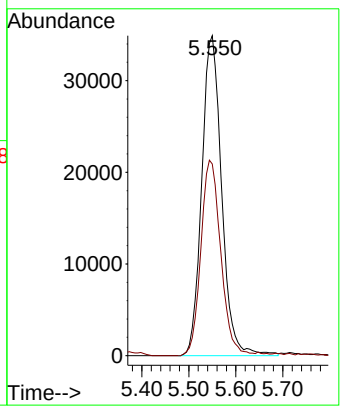


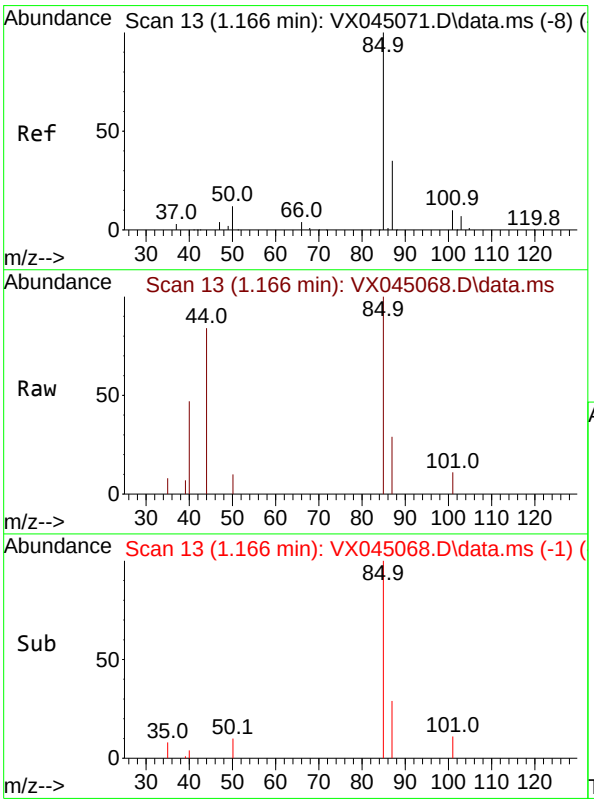
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 102761

Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.2	72.4

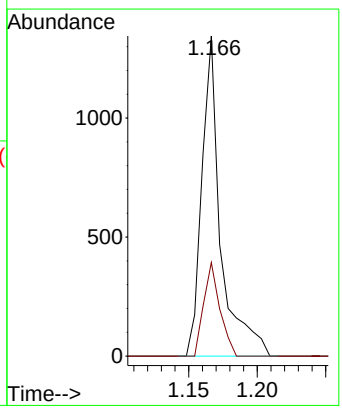


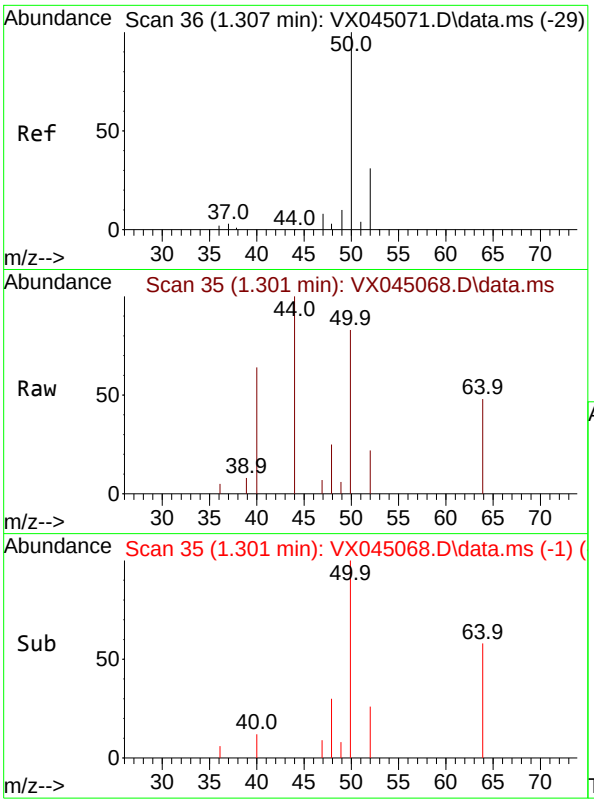


#2
Dichlorodifluoromethane
Concen: 1.007 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 85 Resp: 1282

Ion	Ratio	Lower	Upper
85	100		
87	29.2	17.4	52.3



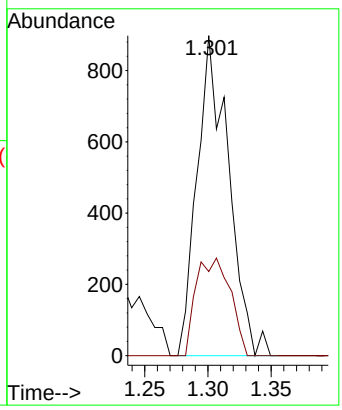


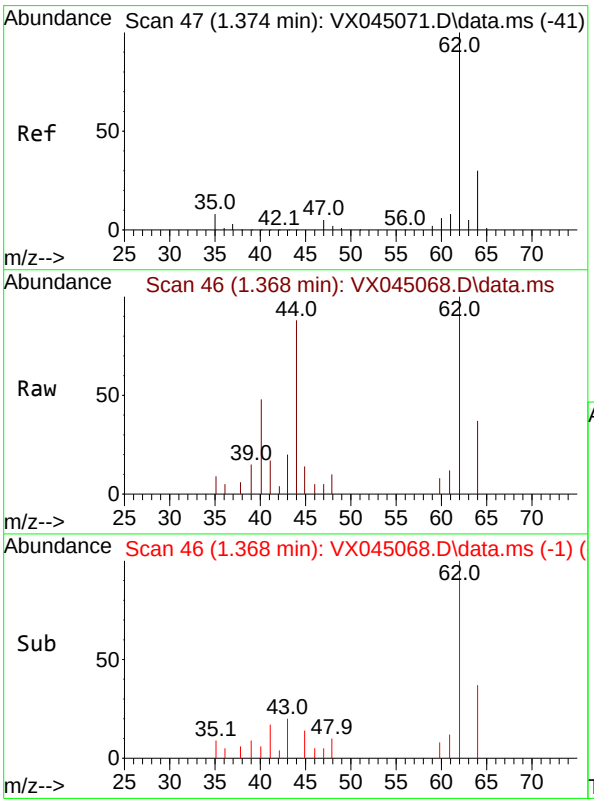
#3
Chloromethane
Concen: 0.975 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 1552

Ion	Ratio	Lower	Upper
50	100		
52	26.3	25.0	37.4

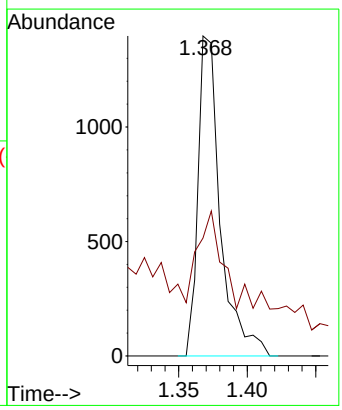


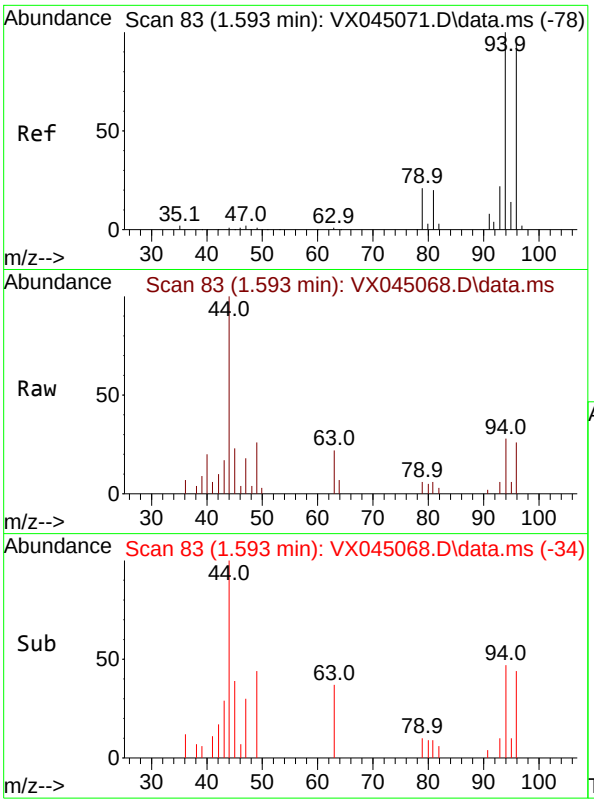


#4
Vinyl Chloride
Concen: 1.008 ug/l
RT: 1.368 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1588

Ion	Ratio	Lower	Upper
62	100		
64	22.0	24.3	36.5#



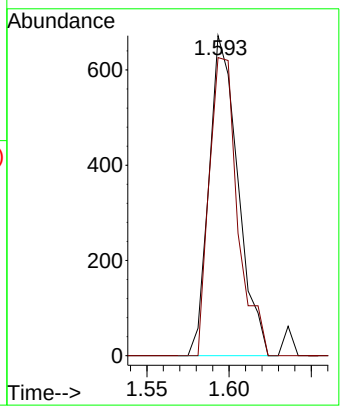


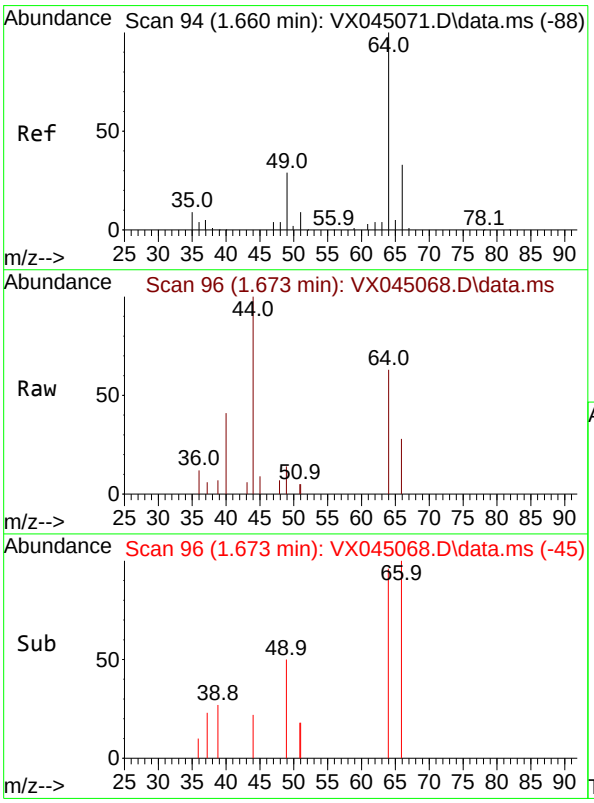
#5
Bromomethane
Concen: 1.335 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 824

Ion	Ratio	Lower	Upper
94	100		
96	93.2	75.0	112.4

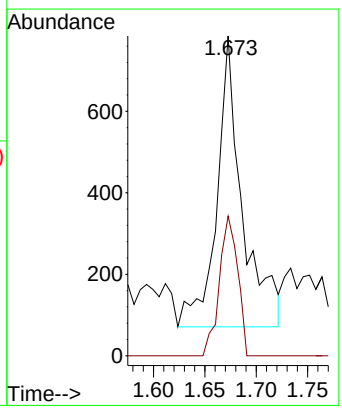


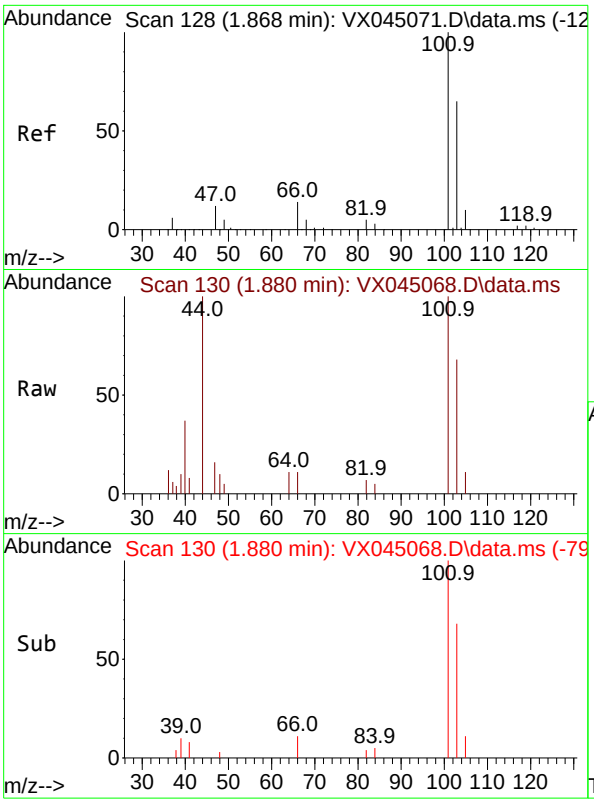


#6
Chloroethane
Concen: 1.591 ug/l
RT: 1.673 min Scan# 96
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 64 Resp: 1228

Ion	Ratio	Lower	Upper
64	100		
66	48.0	26.7	40.1#



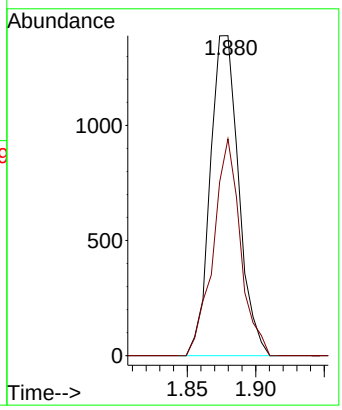


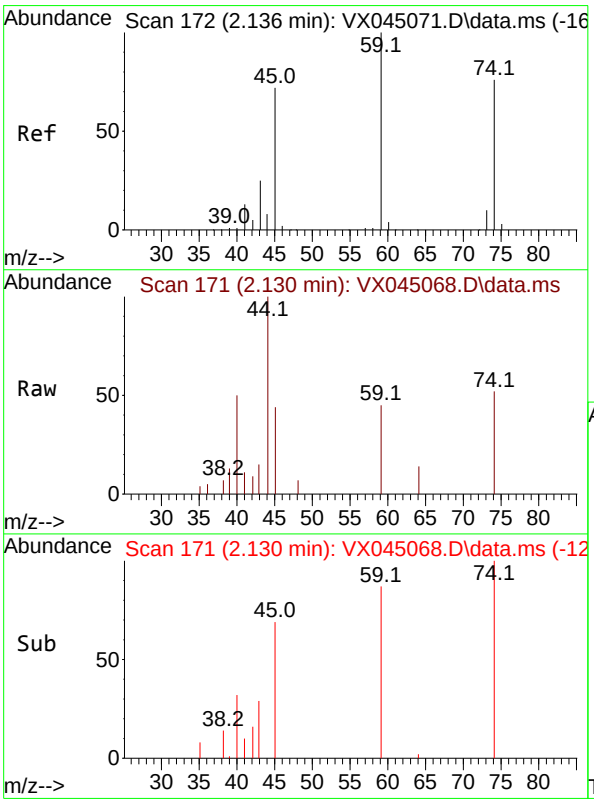
#7
Trichlorofluoromethane
Concen: 0.957 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 2011

Ion	Ratio	Lower	Upper
101	100		
103	67.8	52.1	78.1

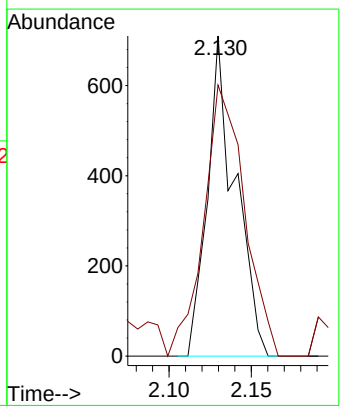


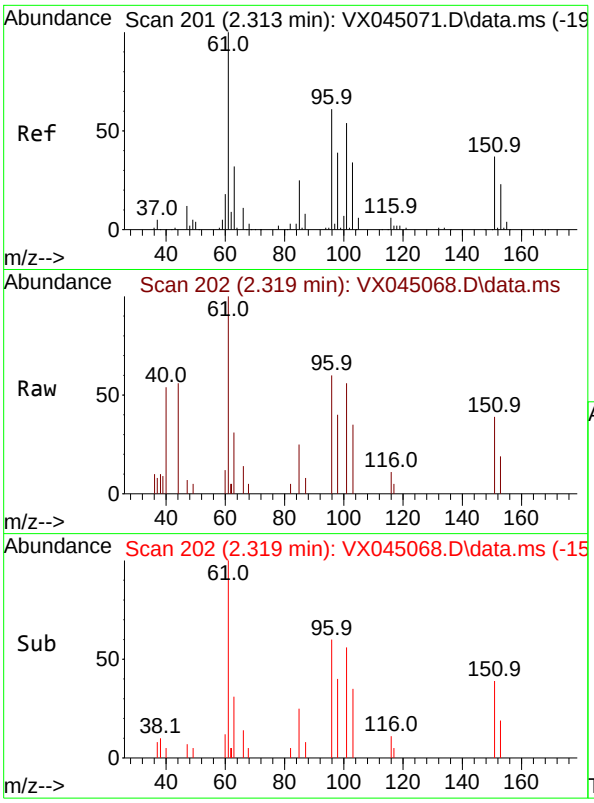


#8
Diethyl Ether
Concen: 1.045 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 74 Resp: 835

Ion	Ratio	Lower	Upper
74	100		
45	123.5	51.5	154.5



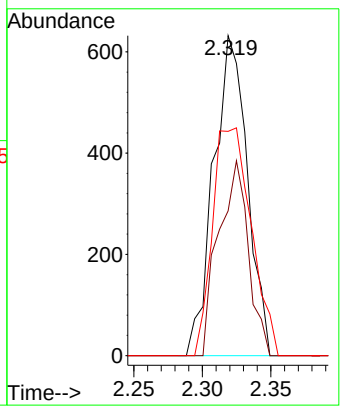


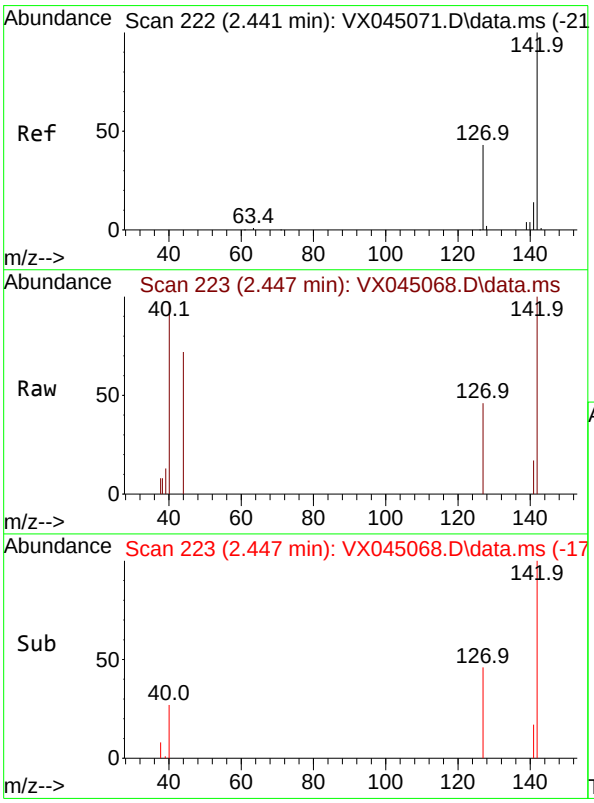
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.884 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

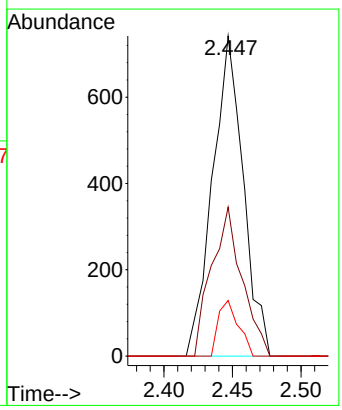


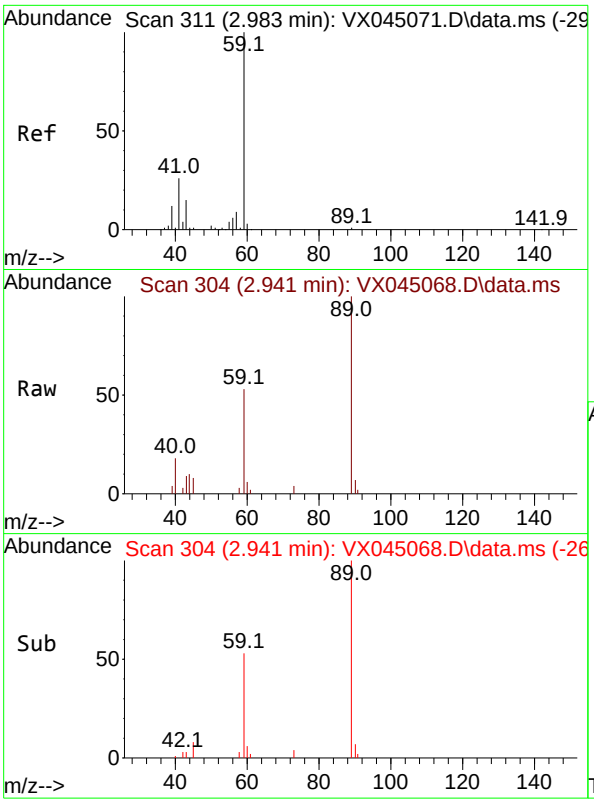


#10
Methyl Iodide
Concen: 0.775 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



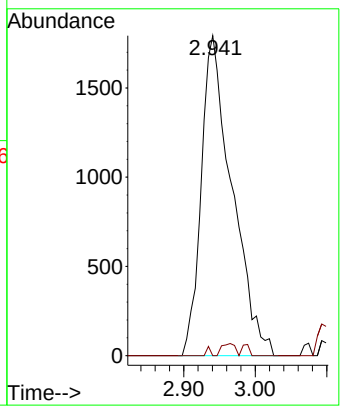


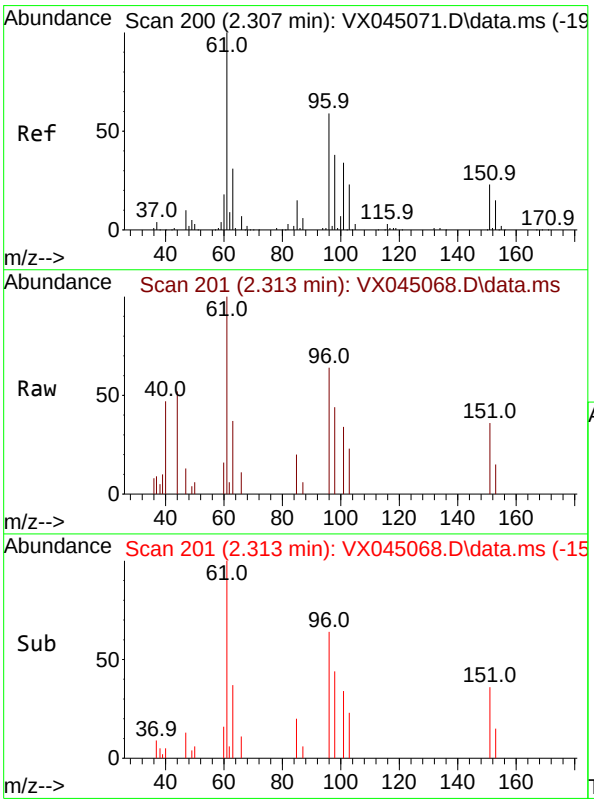
#11
Tert butyl alcohol
Concen: 17.299 ug/l
RT: 2.941 min Scan# 3
Delta R.T. -0.043 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 5356

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

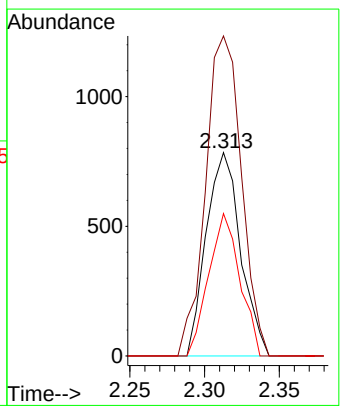


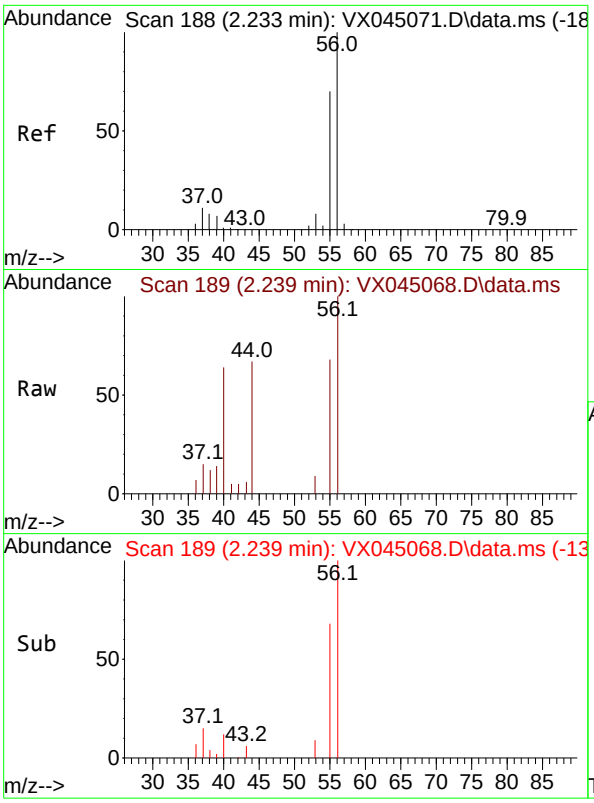


#12
1,1-Dichloroethene
Concen: 0.991 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



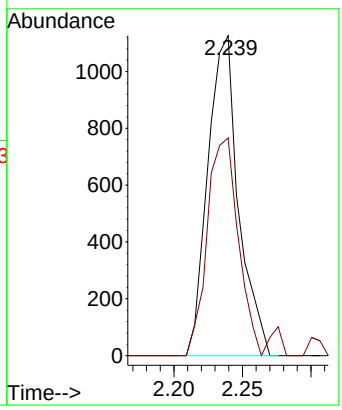


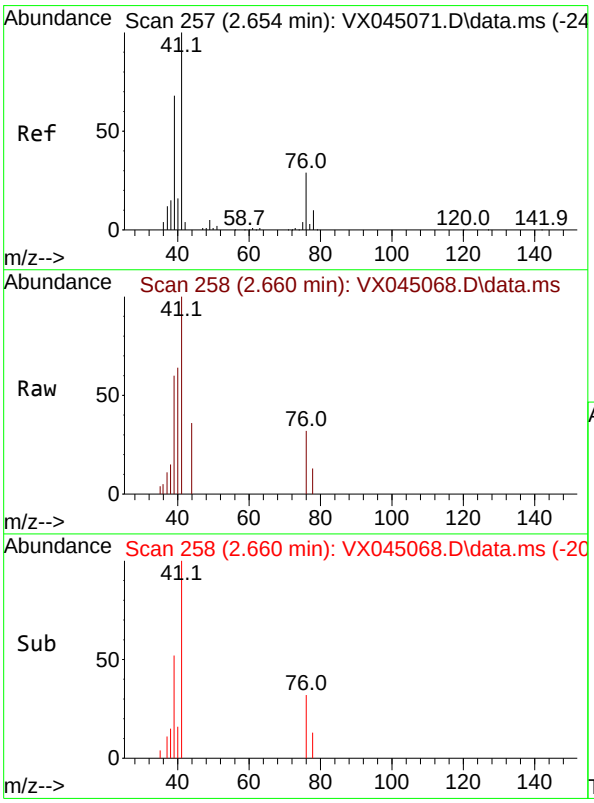
#13
Acrolein
Concen: 4.906 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1756

Ion	Ratio	Lower	Upper
56	100		
55	68.8	56.2	84.4

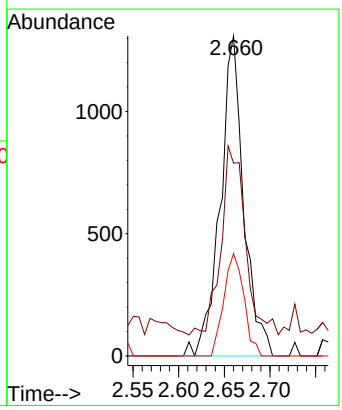


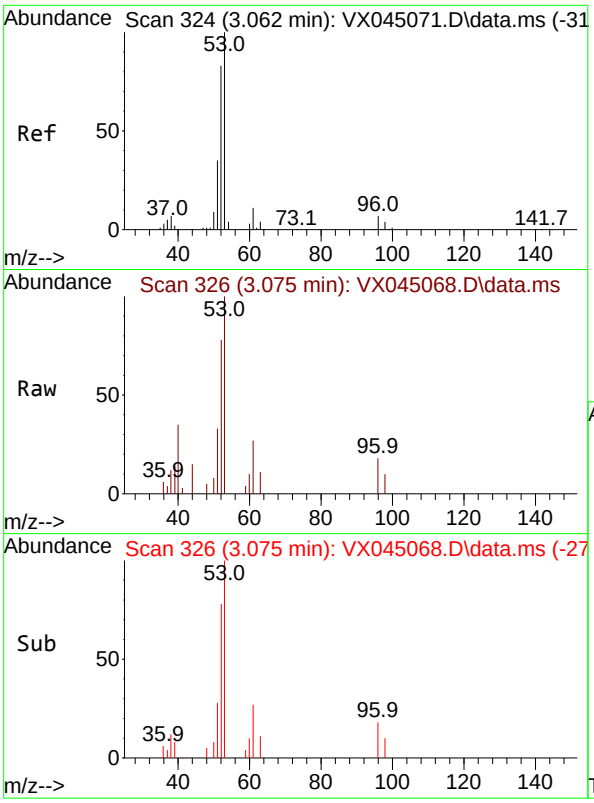


#14
Allyl chloride
Concen: 1.055 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



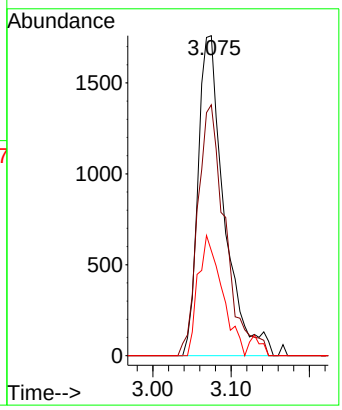


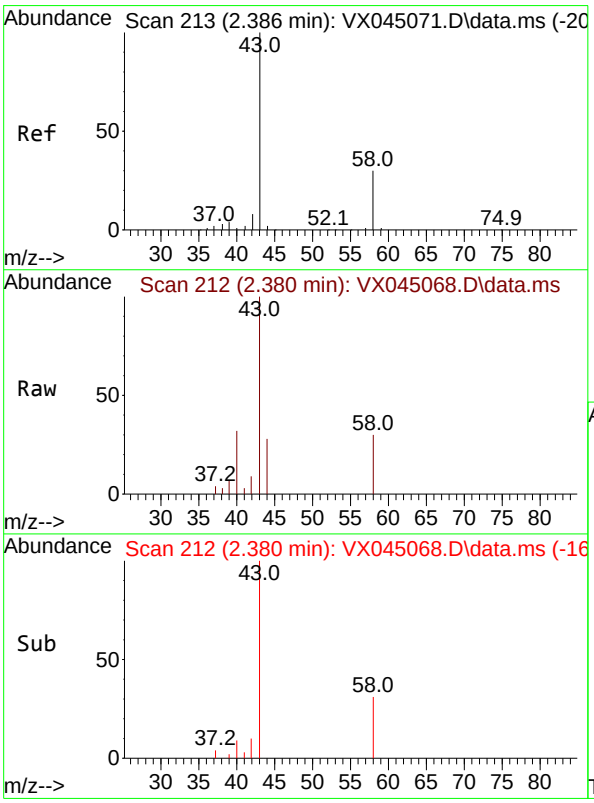
#15
Acrylonitrile
Concen: 4.931 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

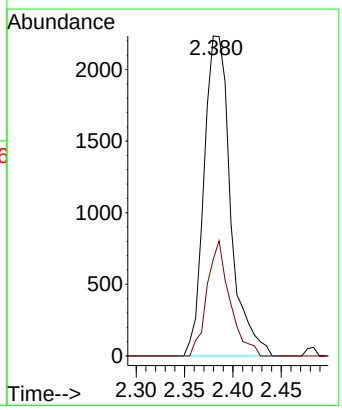


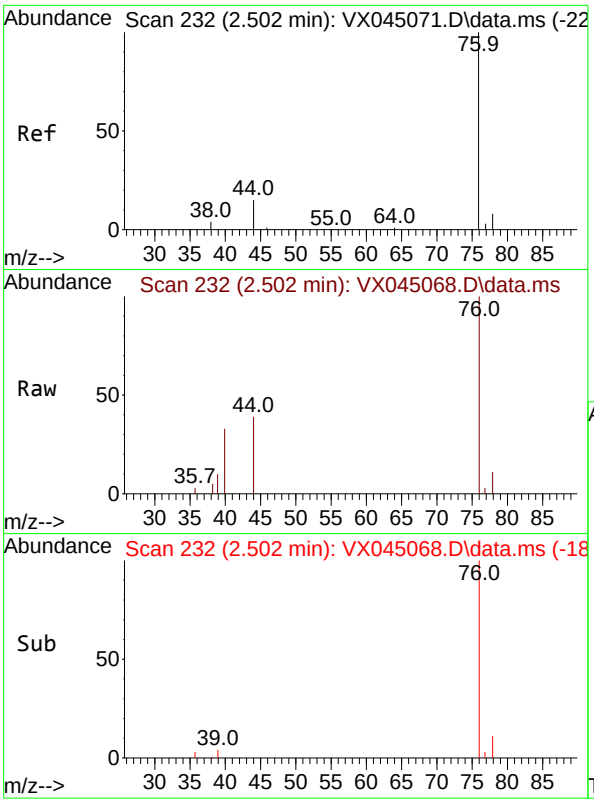


#16
Acetone
Concen: 5.635 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 4259

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.4



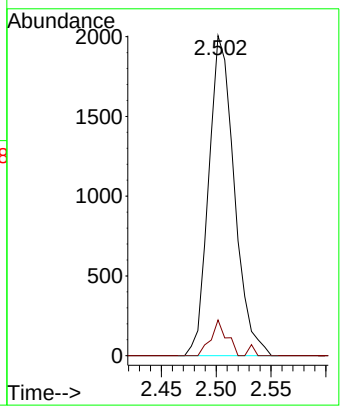


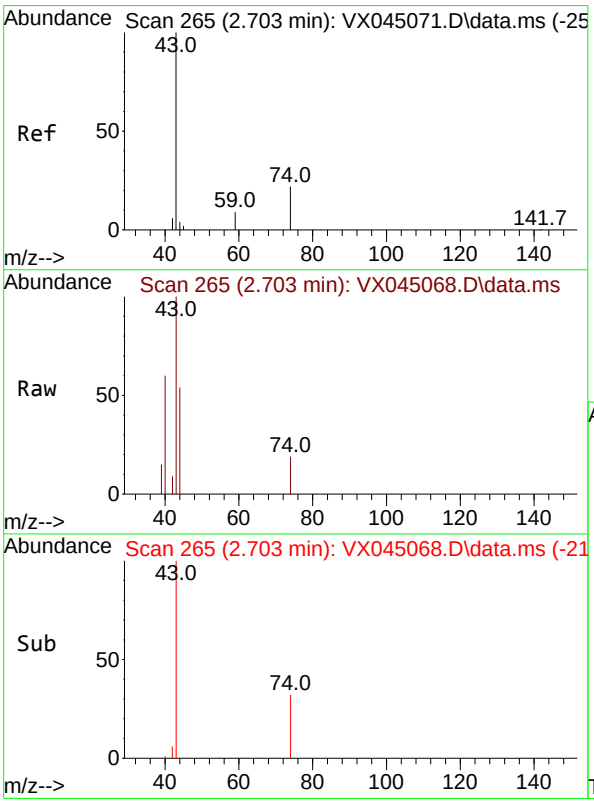
#17
Carbon Disulfide
Concen: 0.956 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 3256

Ion	Ratio	Lower	Upper
76	100		
78	11.2	6.6	9.8#

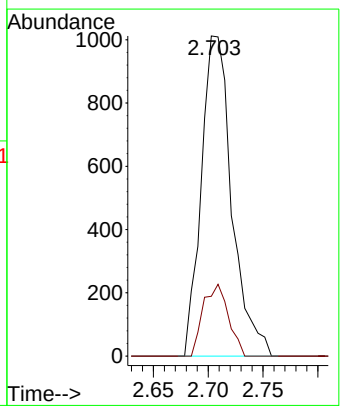


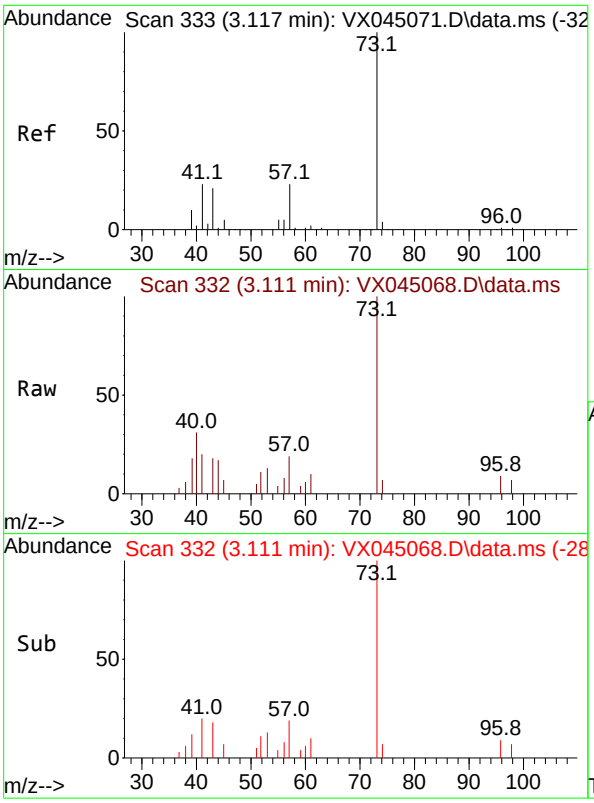


#18
Methyl Acetate
Concen: 1.066 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 43 Resp: 1960

Ion	Ratio	Lower	Upper
43	100		
74	18.5	17.4	26.2



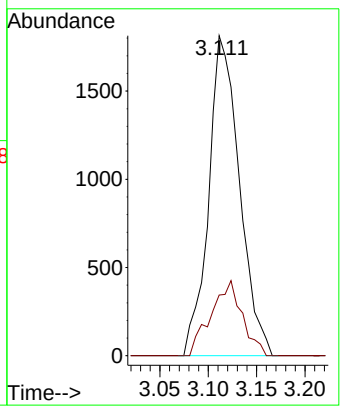


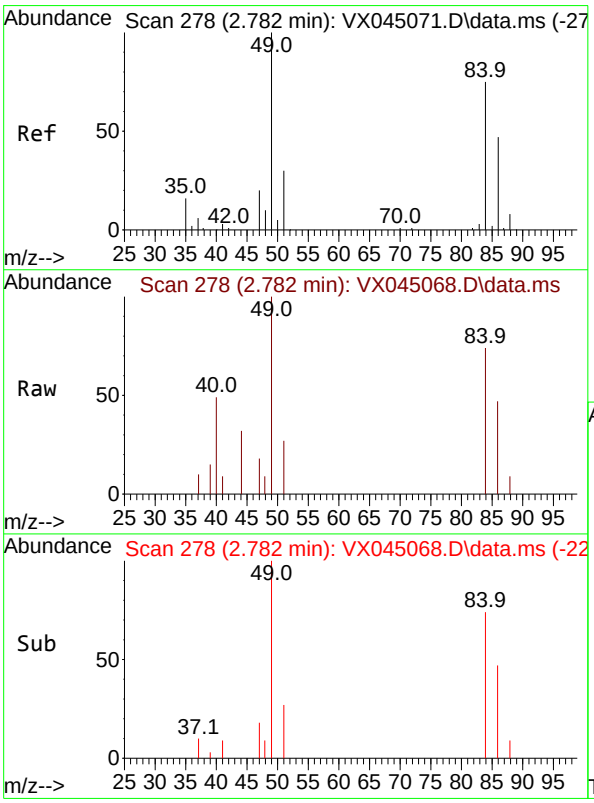
#19
Methyl tert-butyl Ether
Concen: 0.943 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 4017

Ion	Ratio	Lower	Upper
73	100		
57	19.0	18.5	27.7

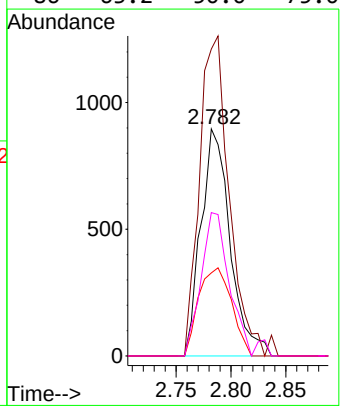


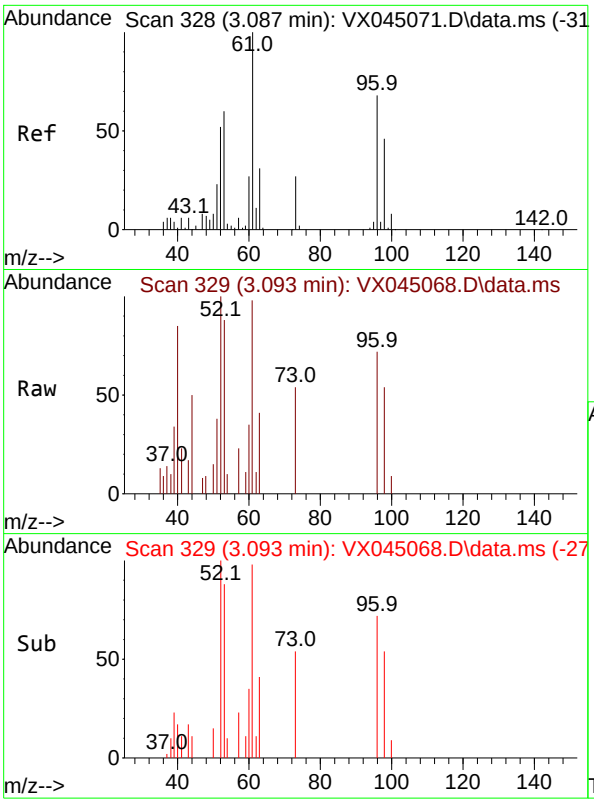


#20
Methylene Chloride
Concen: 1.095 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



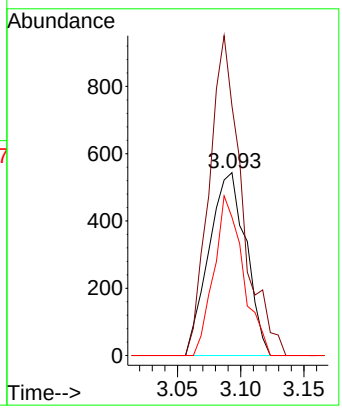


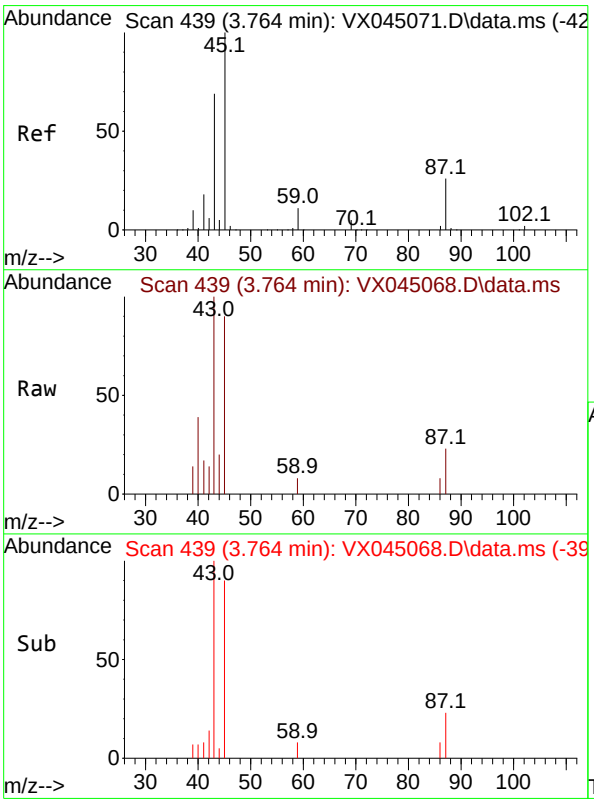
#21
trans-1,2-Dichloroethene
Concen: 0.869 ug/l
RT: 3.093 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

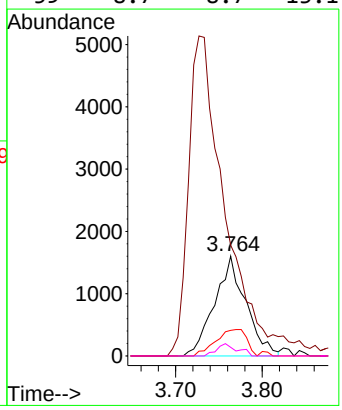


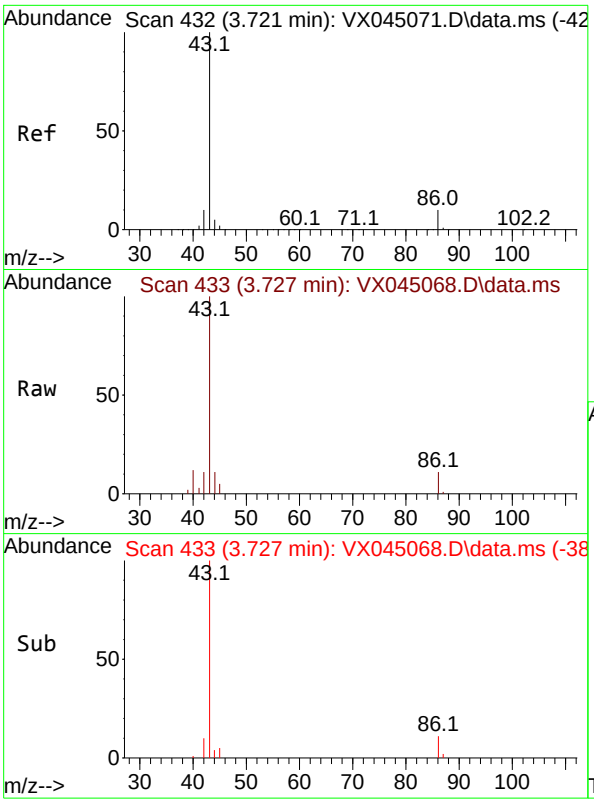


#22
Diisopropyl ether
Concen: 0.871 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



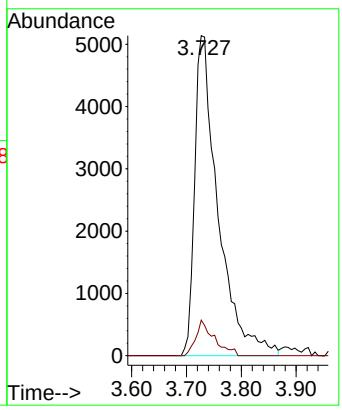


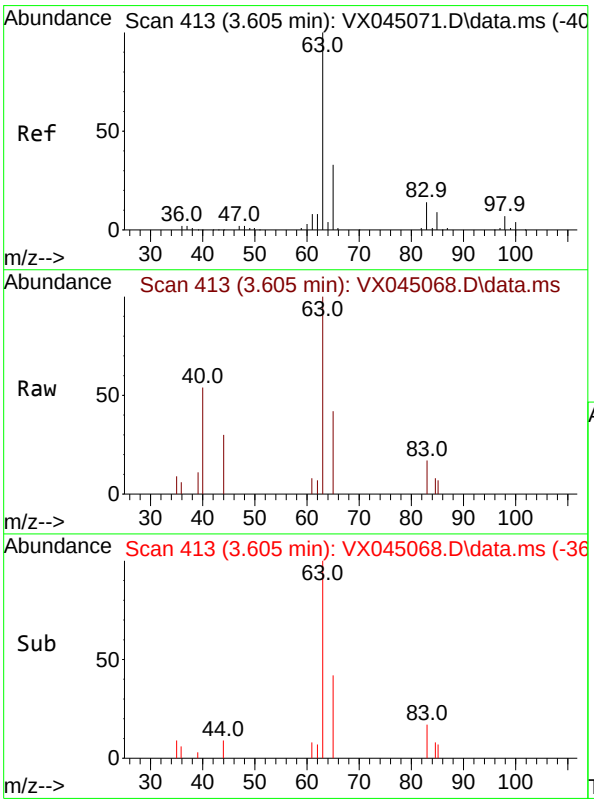
#23
Vinyl Acetate
Concen: 3.971 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 15271

Ion	Ratio	Lower	Upper
43	100		
86	11.1	8.1	12.1

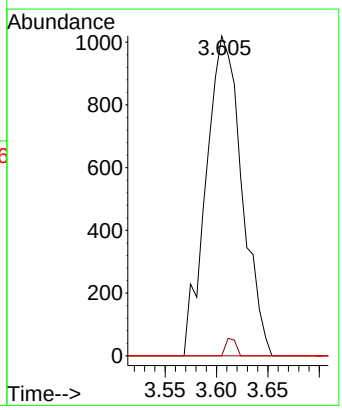


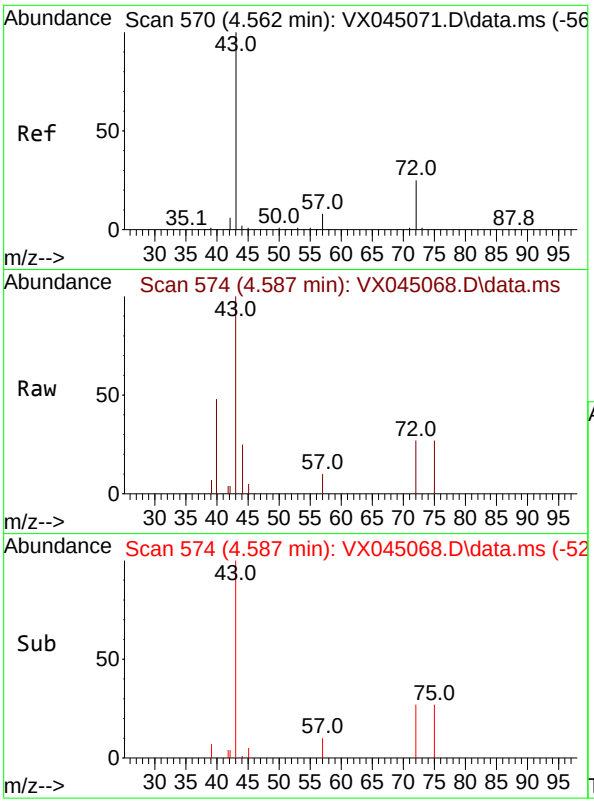


#24
1,1-Dichloroethane
Concen: 0.958 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



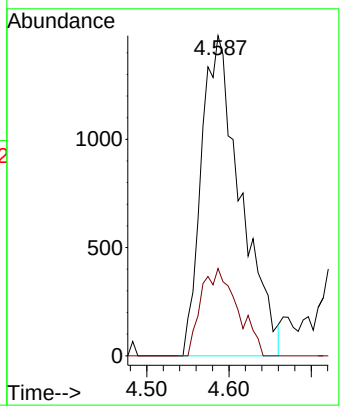


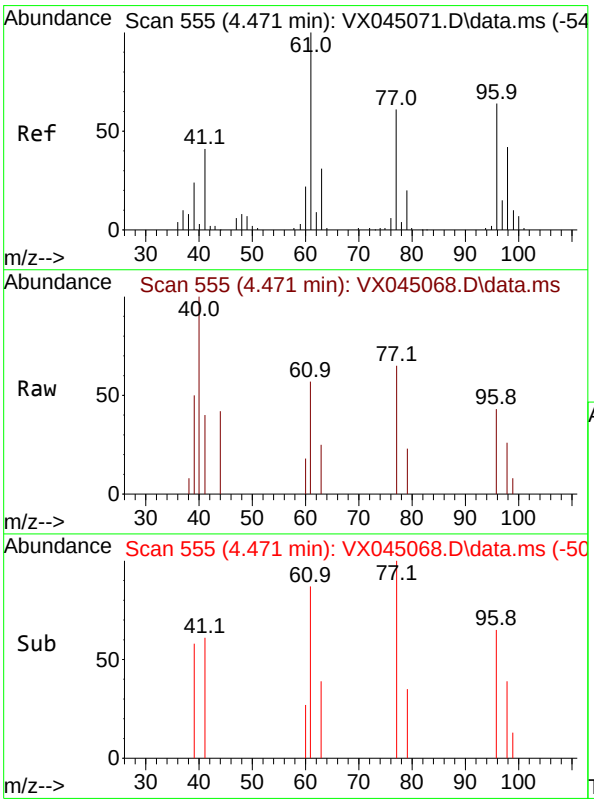
#25
2-Butanone
Concen: 4.252 ug/l
RT: 4.587 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 4894

Ion	Ratio	Lower	Upper
43	100		
72	27.2	20.0	30.0

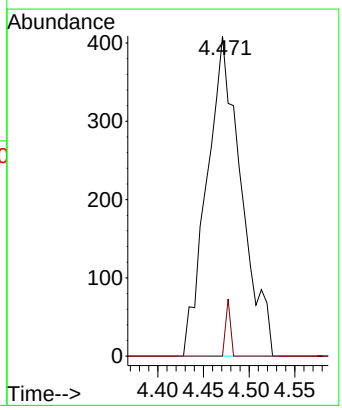


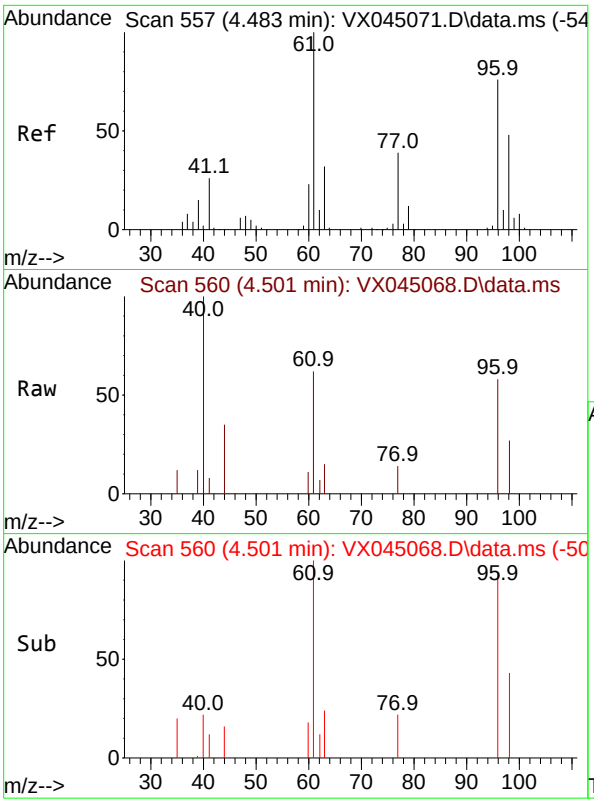


#26
2,2-Dichloropropane
Concen: 0.872 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 77 Resp: 1066

Ion	Ratio	Lower	Upper
77	100		
97	2.5	12.4	37.0#



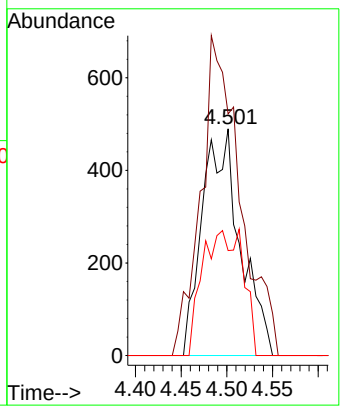


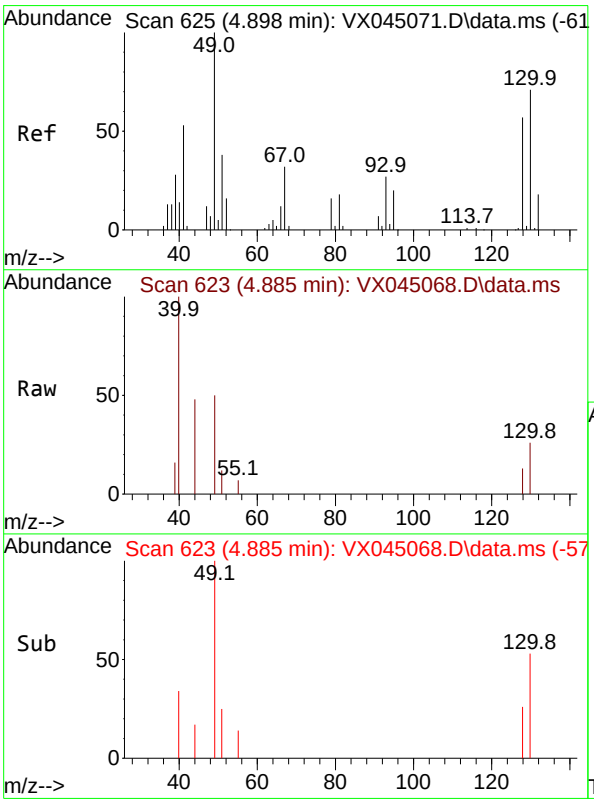
#27
cis-1,2-Dichloroethene
Concen: 0.902 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

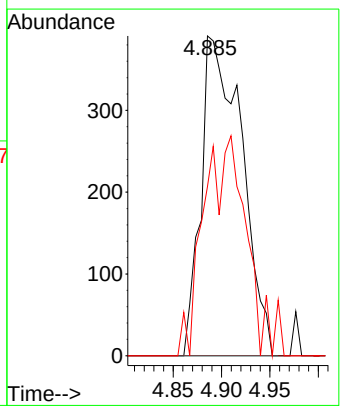


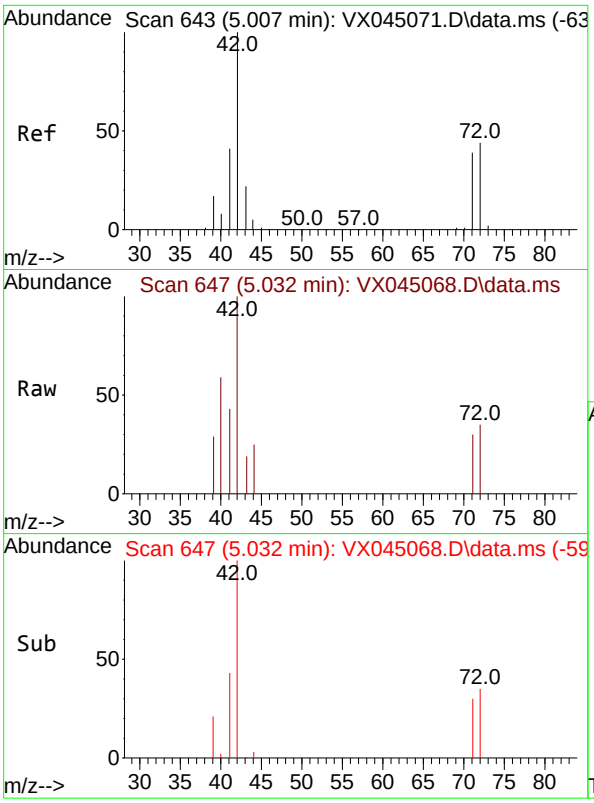


#28
Bromochloromethane
Concen: 0.958 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



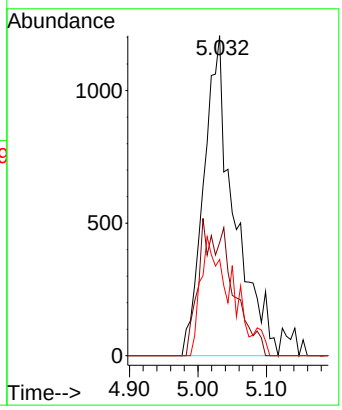


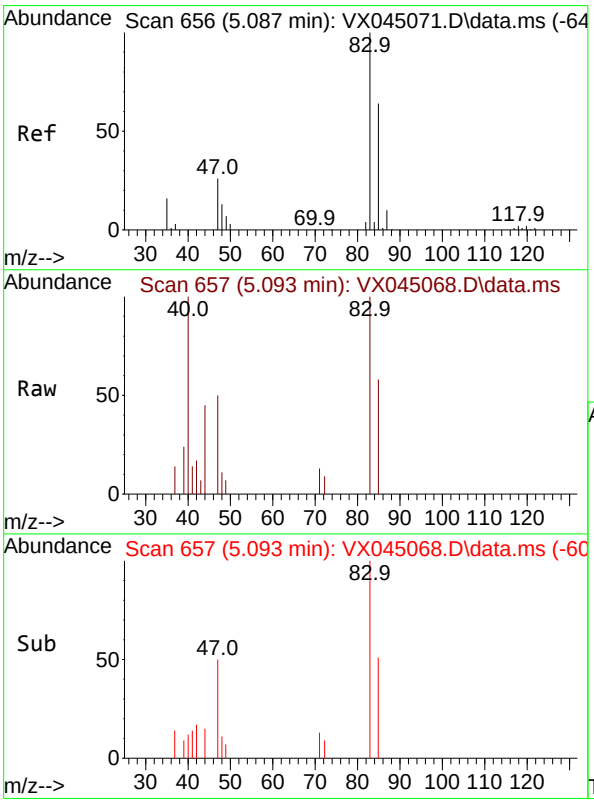
#29
Tetrahydrofuran
Concen: 4.809 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

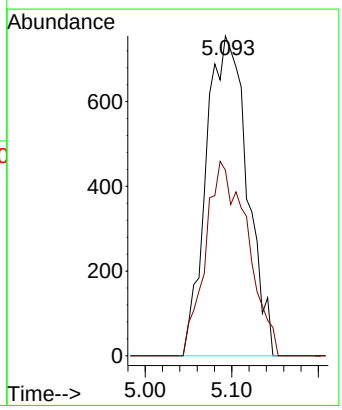


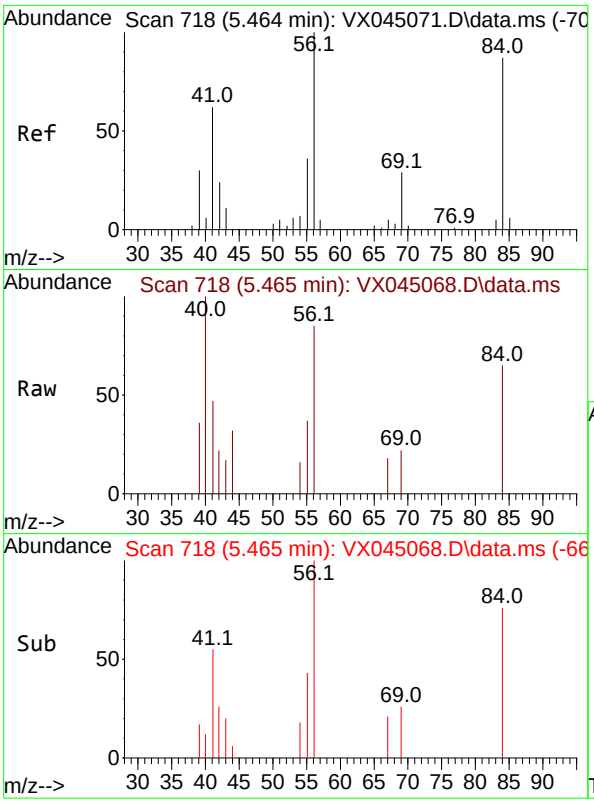


#30
Chloroform
Concen: 0.978 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 83 Resp: 2478

Ion	Ratio	Lower	Upper
83	100		
85	58.0	51.4	77.2



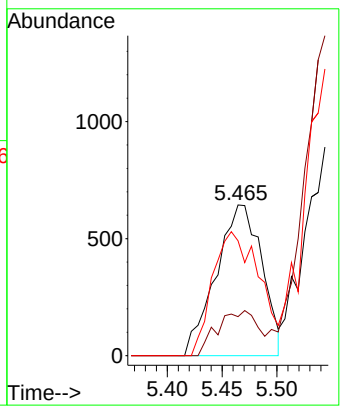


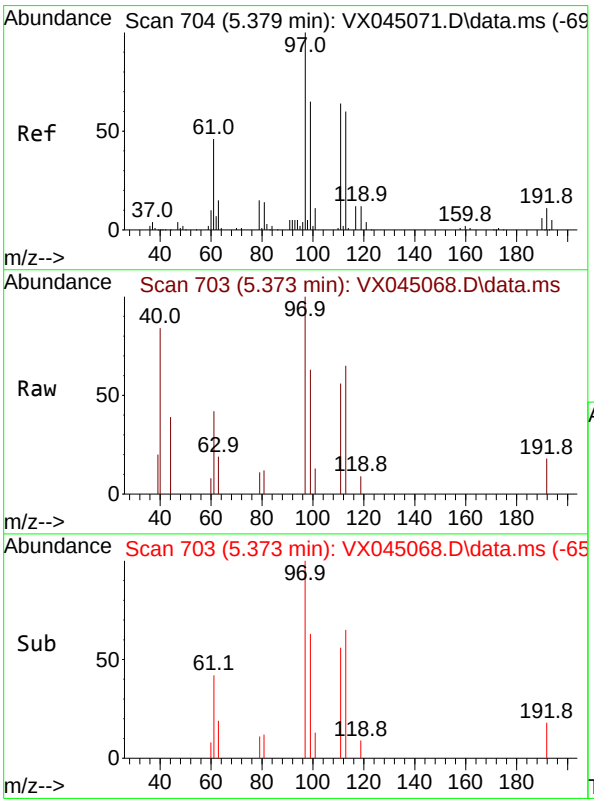
#31
Cyclohexane
Concen: 0.843 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

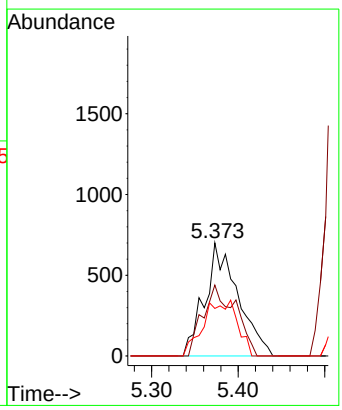


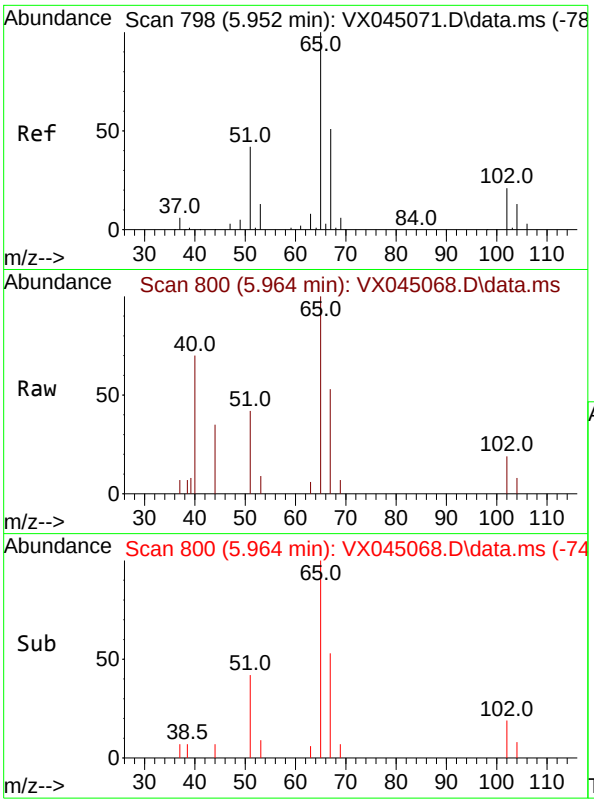


#32
1,1,1-Trichloroethane
Concen: 0.893 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



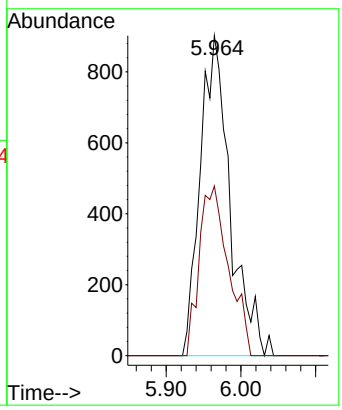


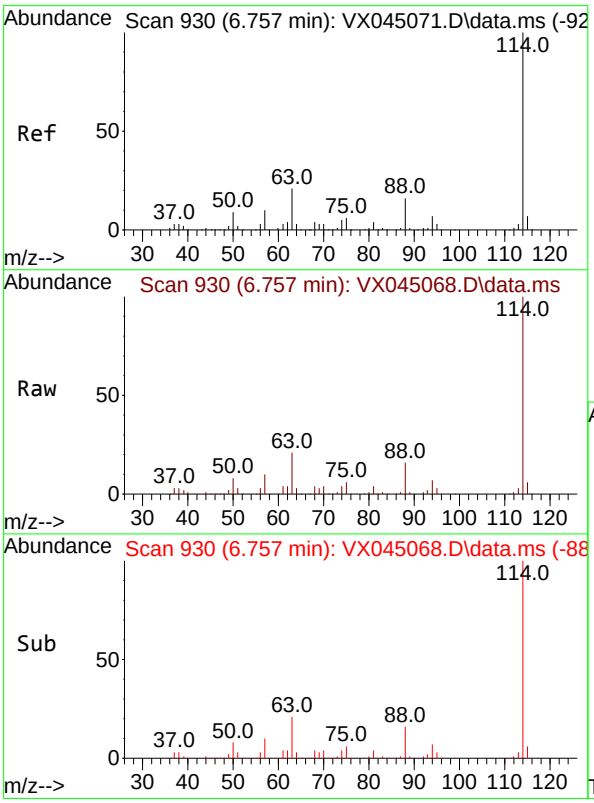
#33
1,2-Dichloroethane-d4
Concen: 1.537 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2512

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.2

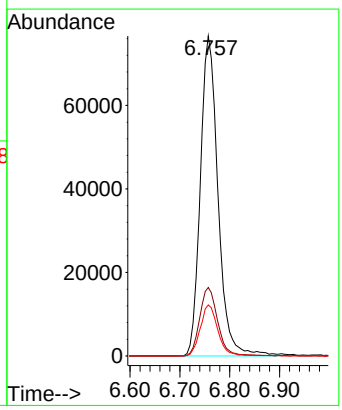


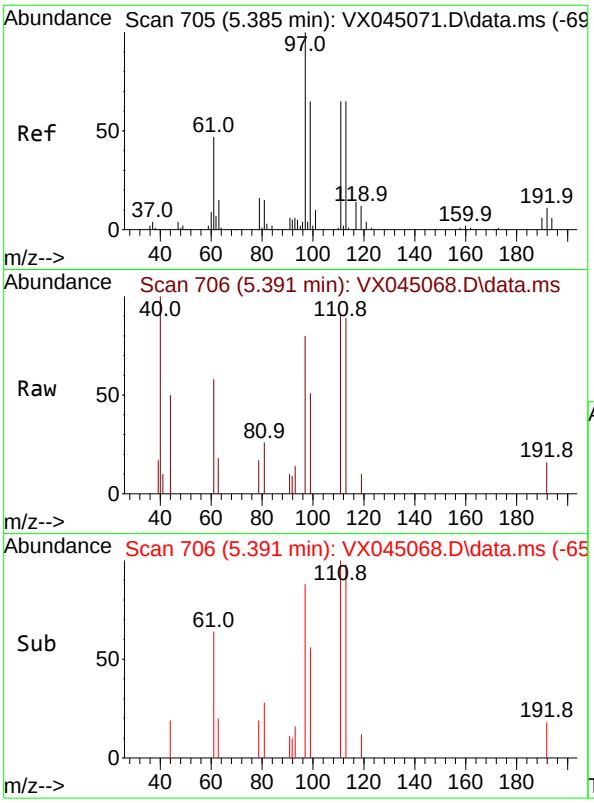


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



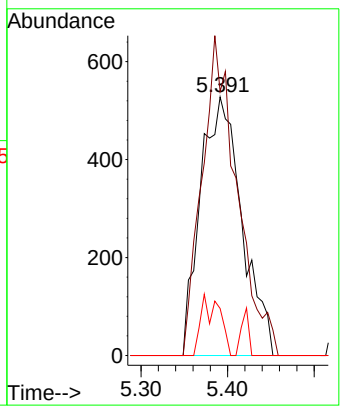


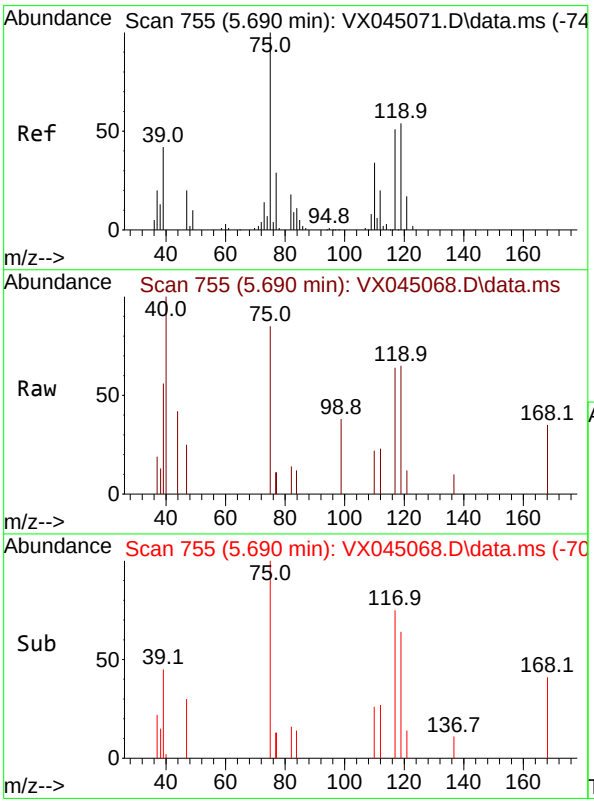
#35
Dibromofluoromethane
Concen: 1.389 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

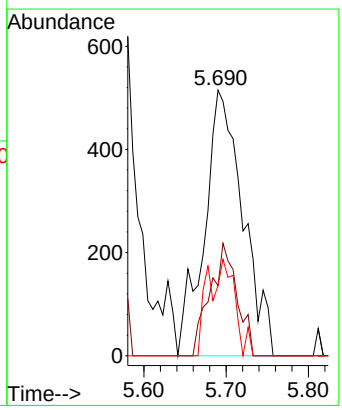


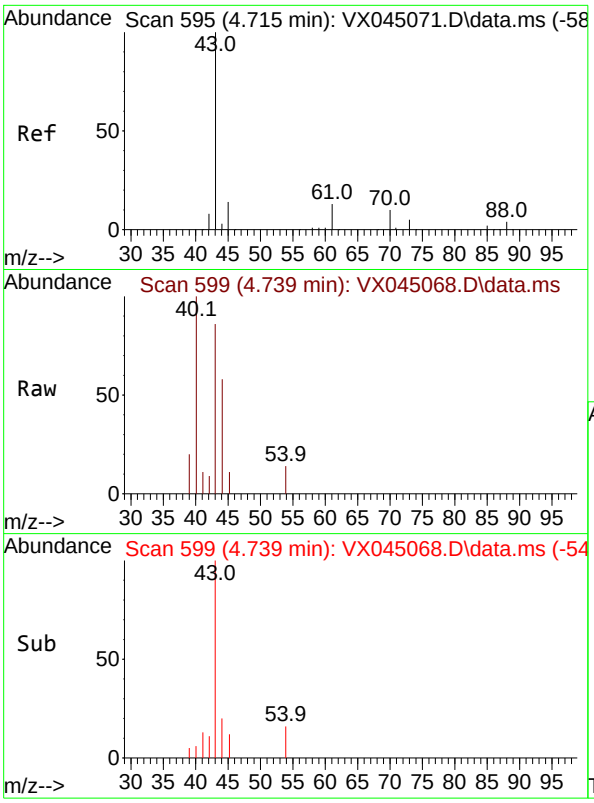


#36
1,1-Dichloropropene
Concen: 0.967 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



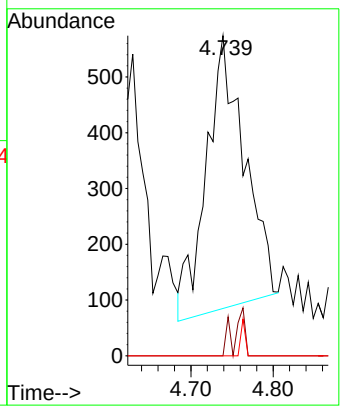


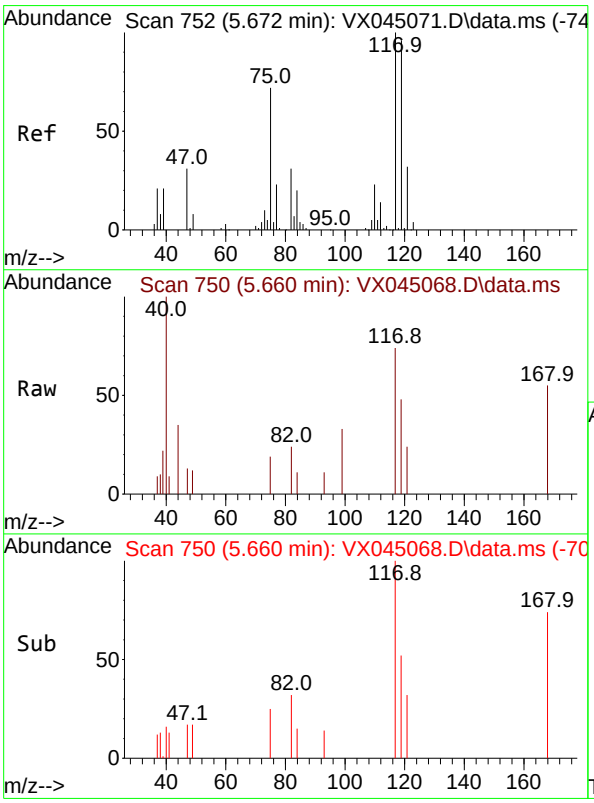
#37
Ethyl Acetate
Concen: 0.703 ug/l
RT: 4.739 min Scan# 5
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

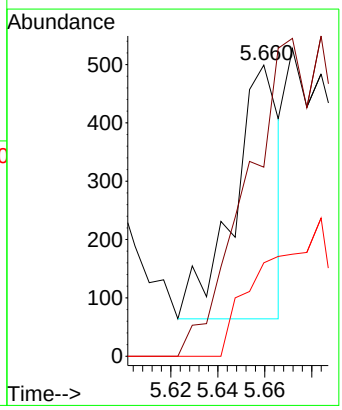


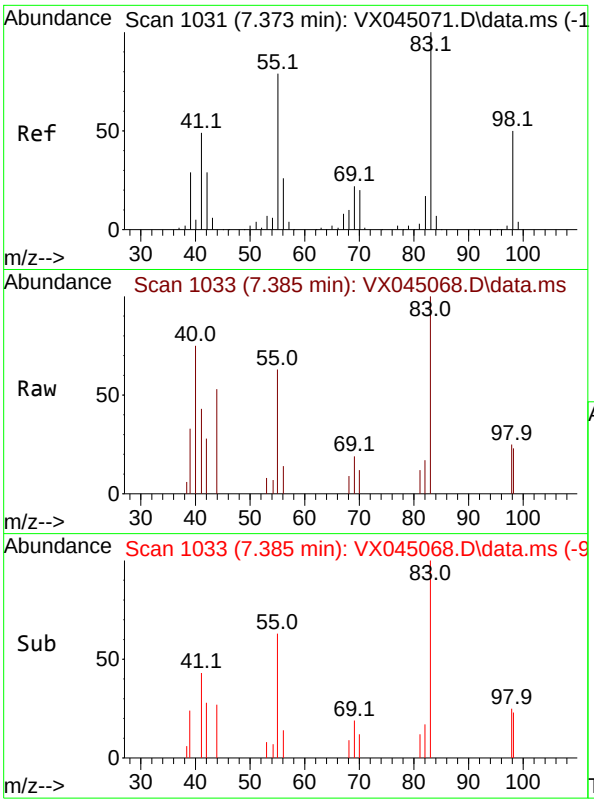


#38
Carbon Tetrachloride
Concen: 0.332 ug/l
RT: 5.660 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



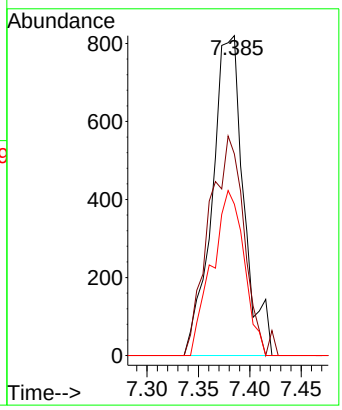


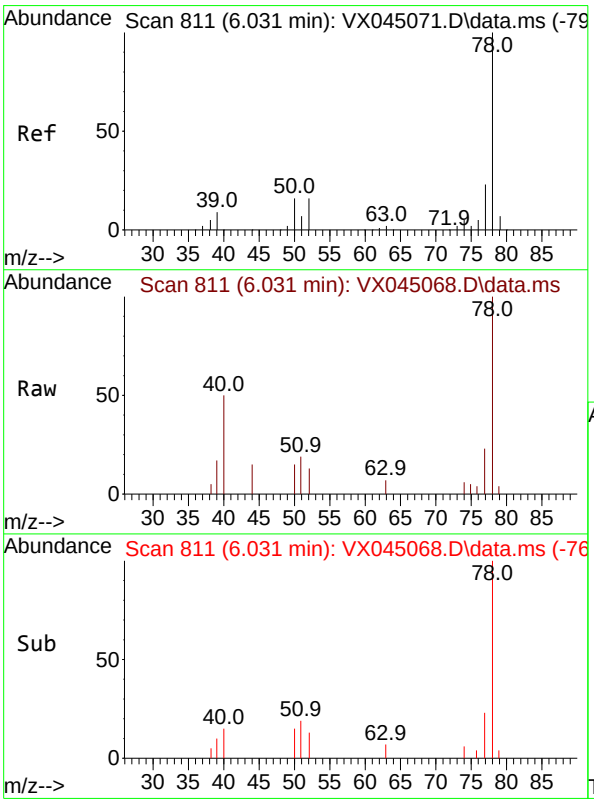
#39
Methylcyclohexane
Concen: 0.831 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

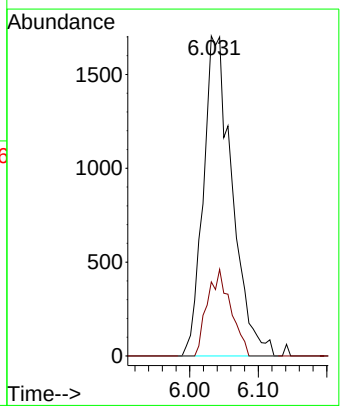


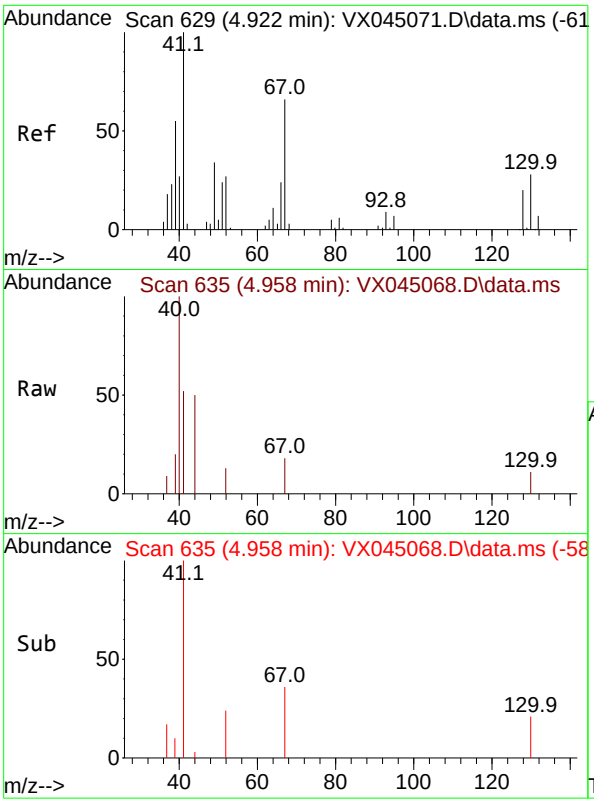


#40
Benzene
Concen: 0.907 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 78 Resp: 4984

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2



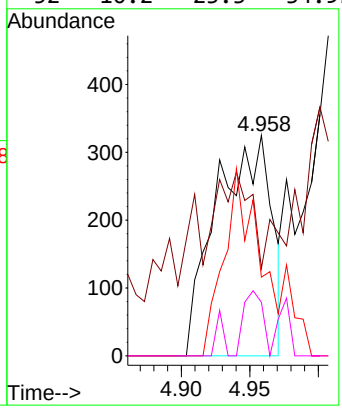


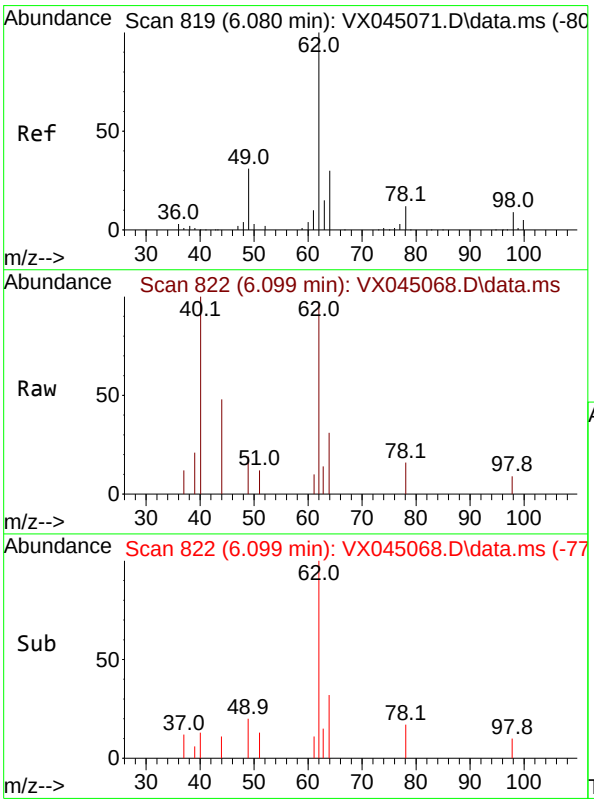
#41
Methacrylonitrile
Concen: 0.748 ug/l
RT: 4.958 min Scan# 6
Delta R.T. 0.037 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

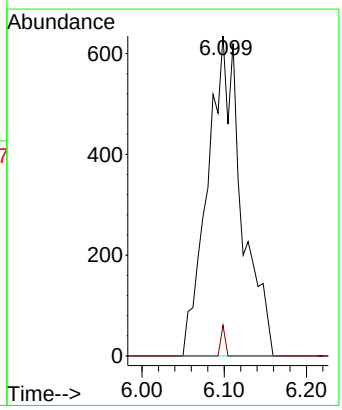


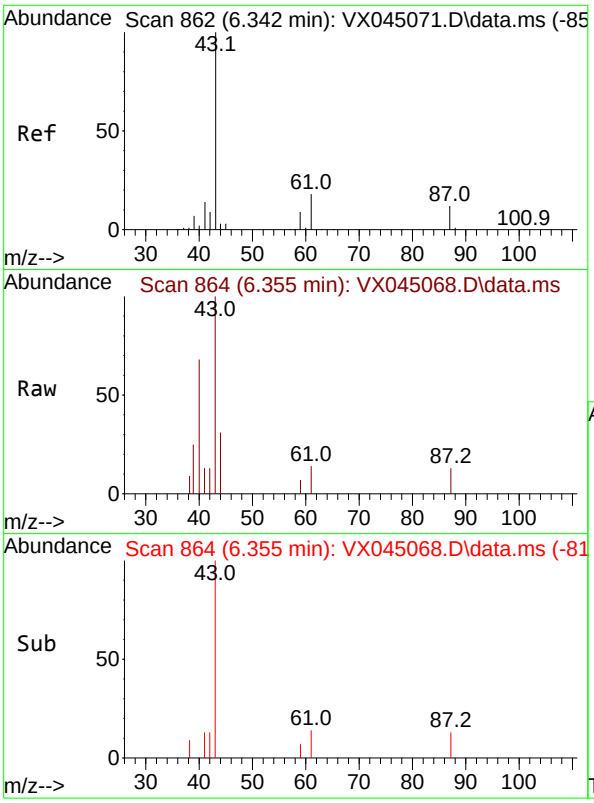


#42
1,2-Dichloroethane
Concen: 0.924 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 62 Resp: 1837

Ion	Ratio	Lower	Upper
62	100		
98	1.2	0.0	18.2



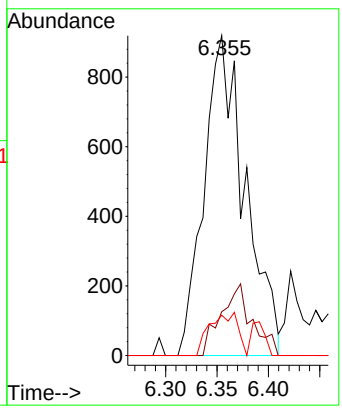


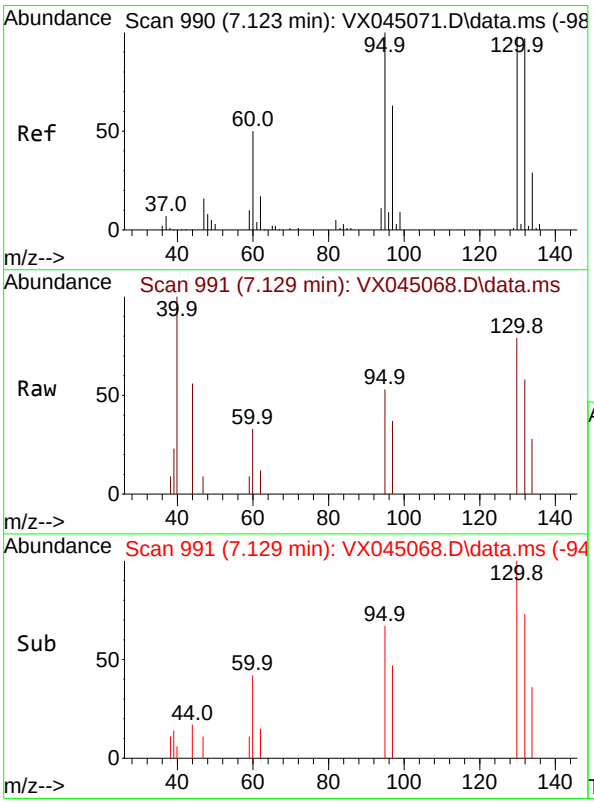
#43
Isopropyl Acetate
Concen: 0.767 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

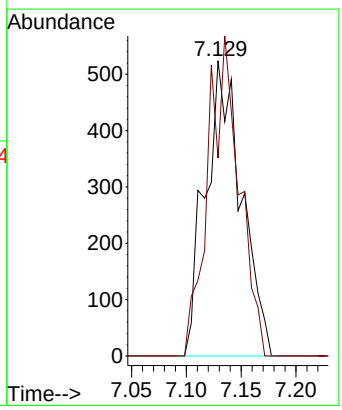


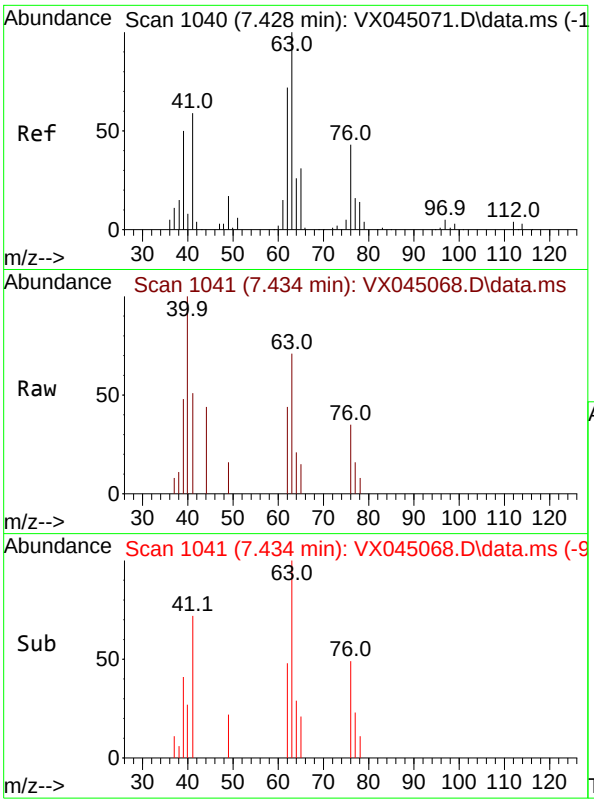


#44
Trichloroethene
Concen: 0.933 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:130 Resp: 1202

Ion	Ratio	Lower	Upper
130	100		
95	67.0	0.0	205.0



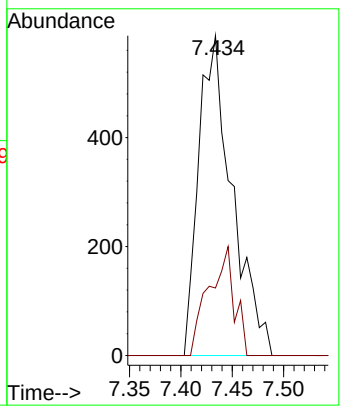


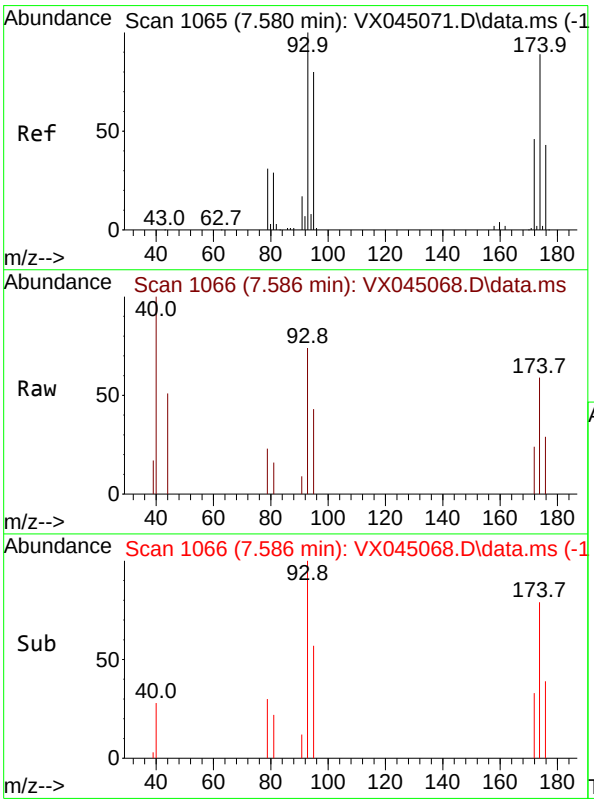
#45
1,2-Dichloropropane
Concen: 0.971 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1334

Ion	Ratio	Lower	Upper
63	100		
65	21.1	24.7	37.1#

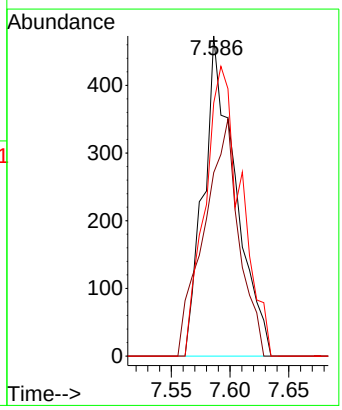


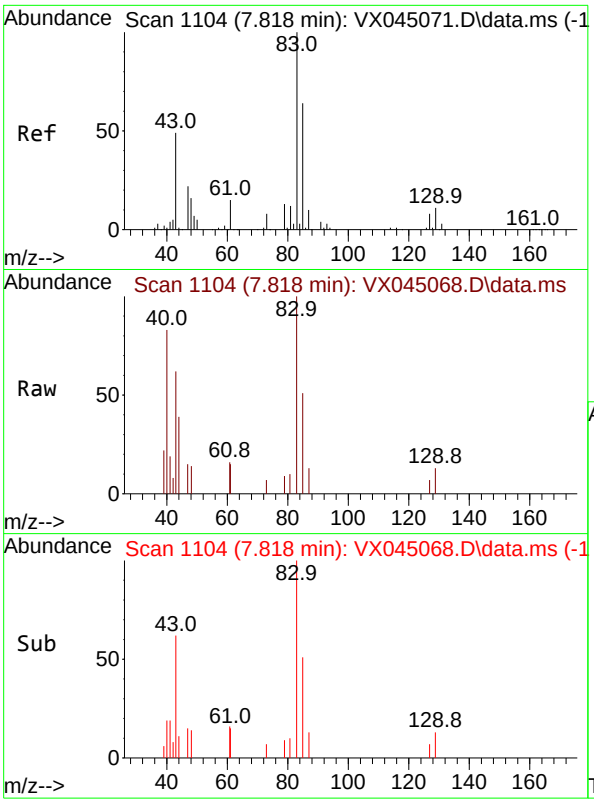


#46
Dibromomethane
Concen: 0.897 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



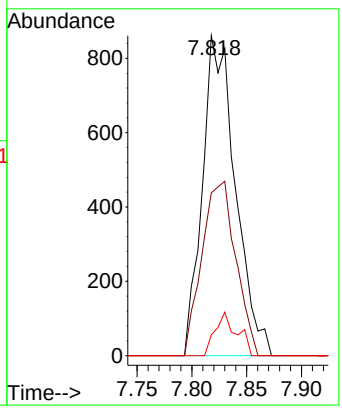


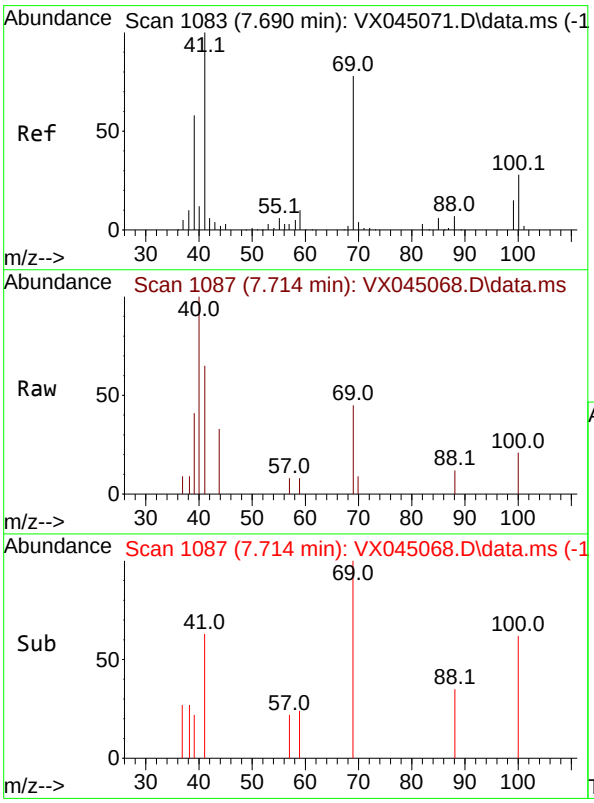
#47
Bromodichloromethane
Concen: 0.927 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

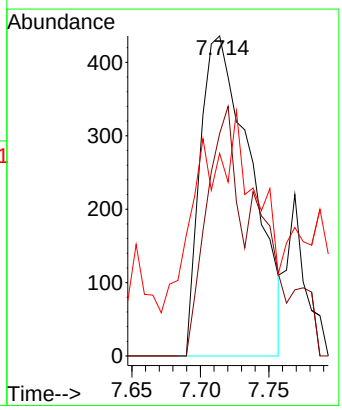


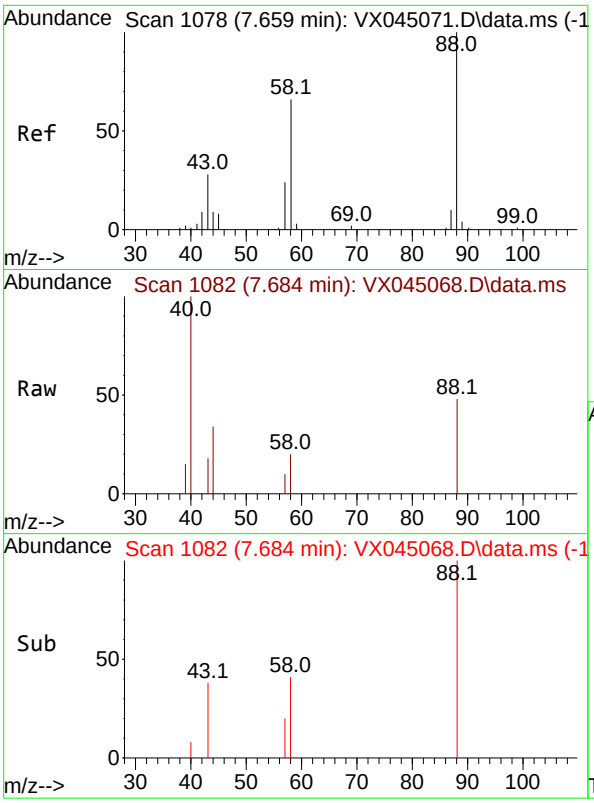


#48
Methyl methacrylate
Concen: 0.699 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



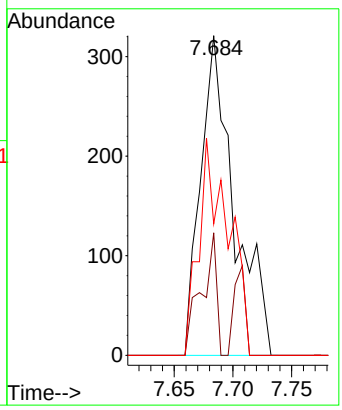


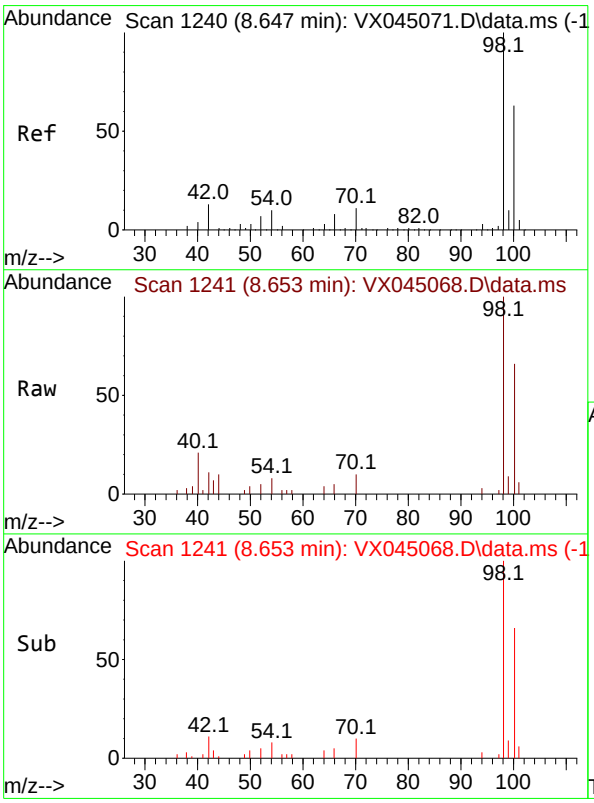
#49
1,4-Dioxane
Concen: 18.144 ug/l
RT: 7.684 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

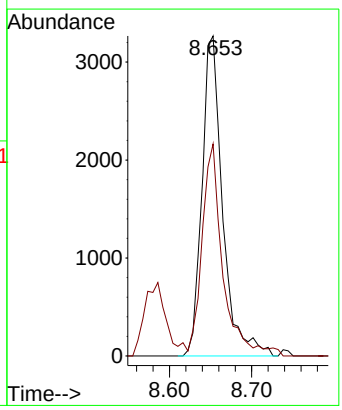


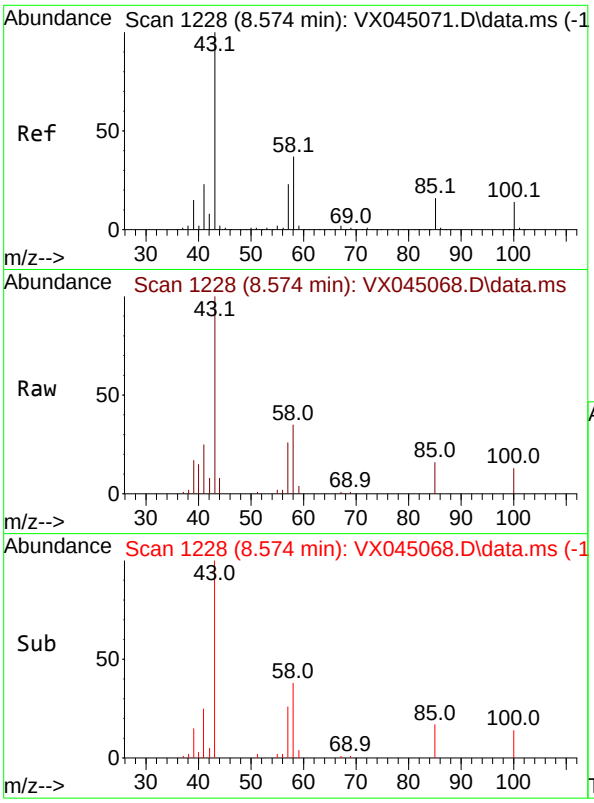


#50
Toluene-d8
Concen: 1.244 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 98 Resp: 5691

Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.0	78.0



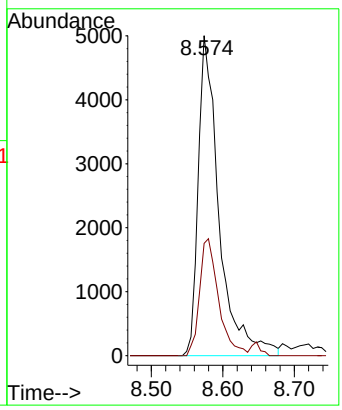


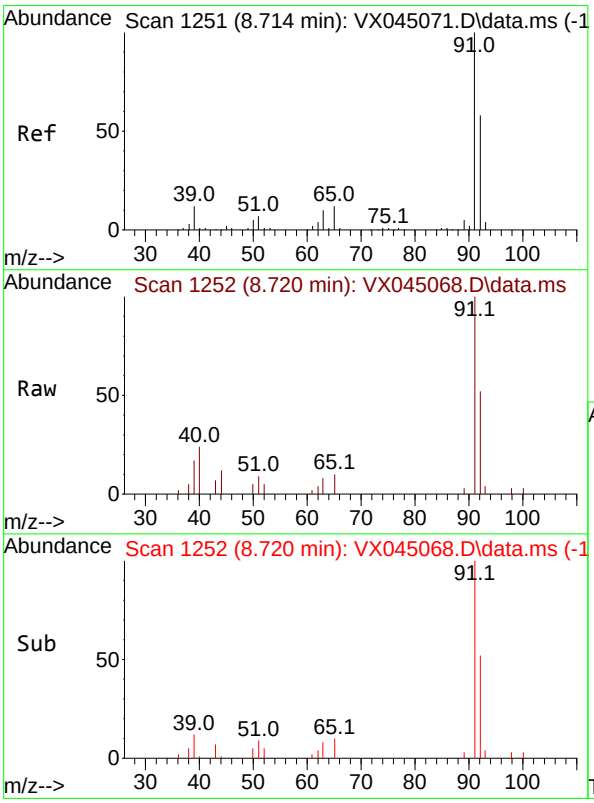
#51
4-Methyl-2-Pentanone
Concen: 4.567 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 10091

Ion	Ratio	Lower	Upper
43	100		
58	33.5	29.2	43.8

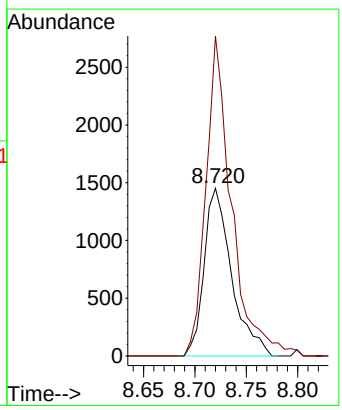


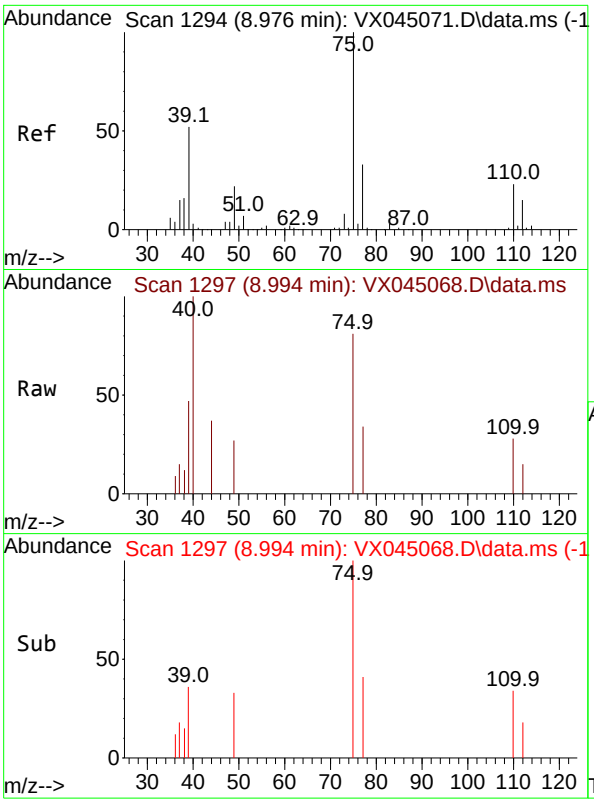


#52
Toluene
Concen: 0.841 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 92 Resp: 2700

Ion	Ratio	Lower	Upper
92	100		
91	177.7	138.9	208.3



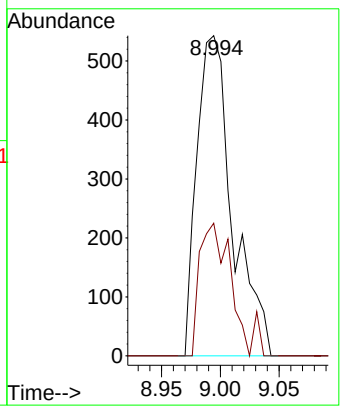


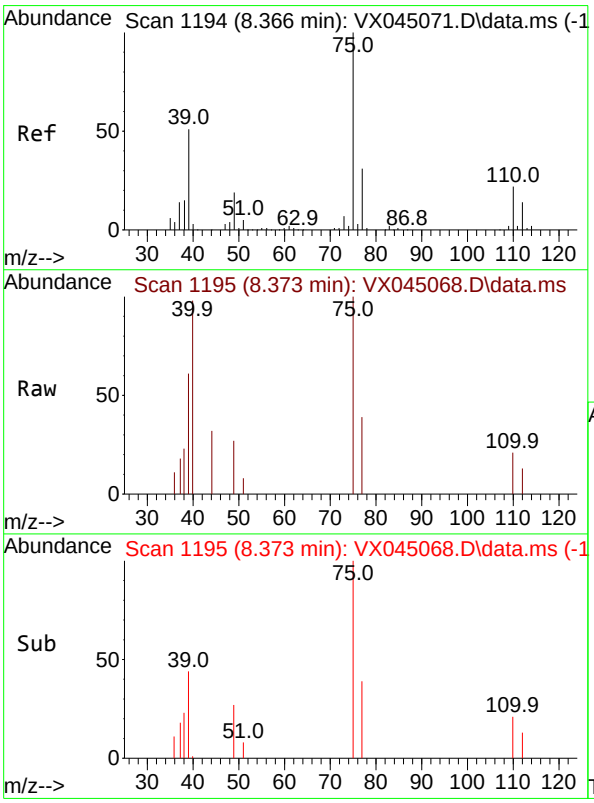
#53
t-1,3-Dichloropropene
Concen: 0.700 ug/l
RT: 8.994 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1147

Ion	Ratio	Lower	Upper
75	100		
77	41.4	26.5	39.7#

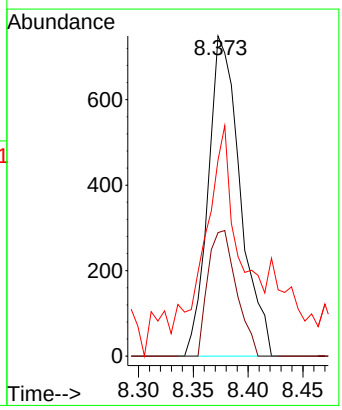


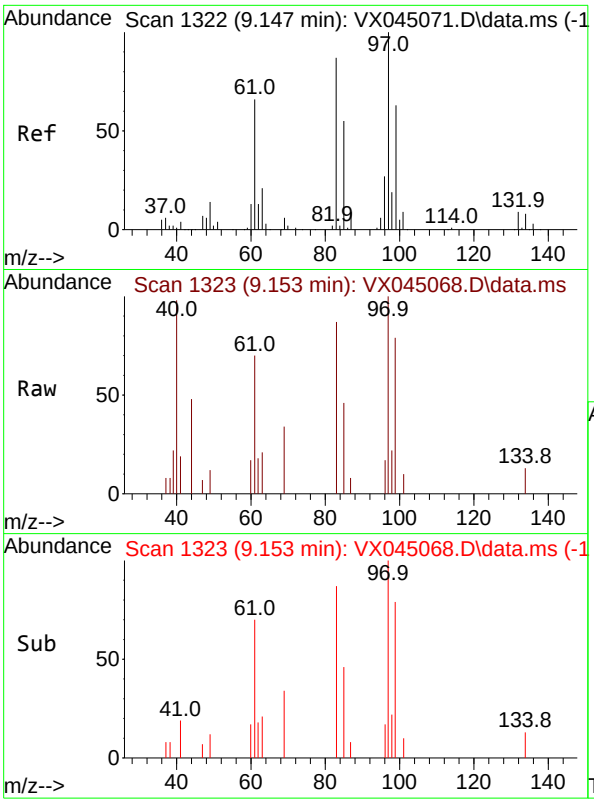


#54
cis-1,3-Dichloropropene
Concen: 0.804 ug/l
RT: 8.373 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



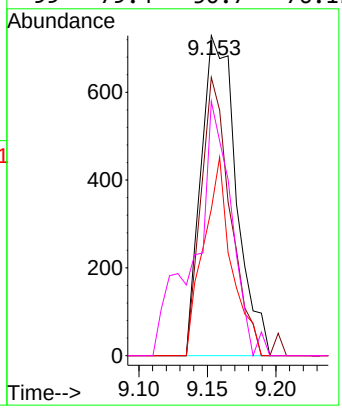


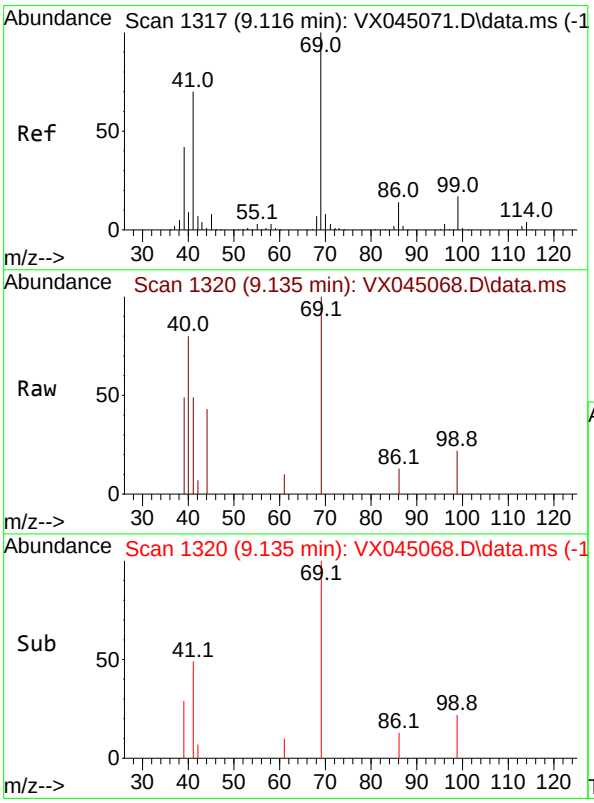
#55
1,1,2-Trichloroethane
Concen: 1.004 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

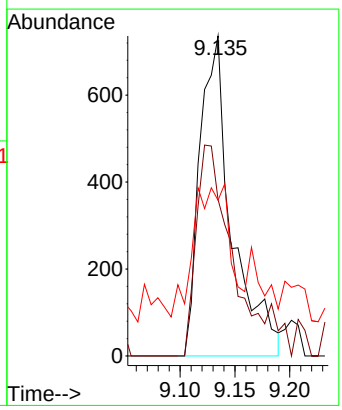


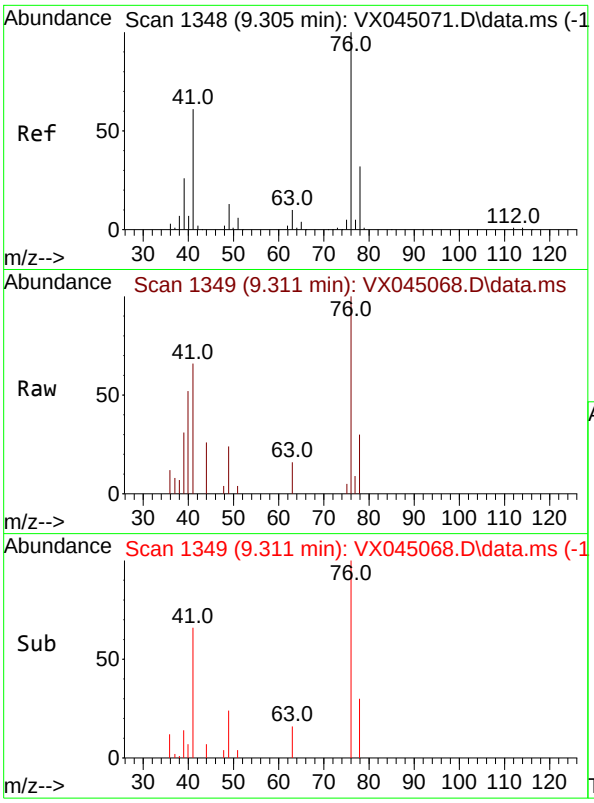


#56
Ethyl methacrylate
Concen: 0.748 ug/l
RT: 9.135 min Scan# 1320
Delta R.T. 0.018 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



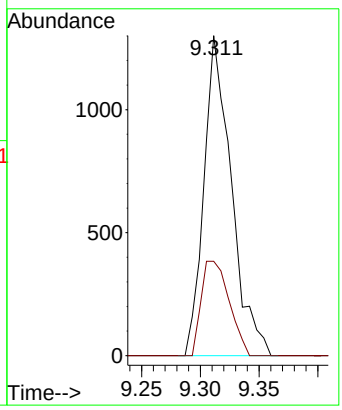


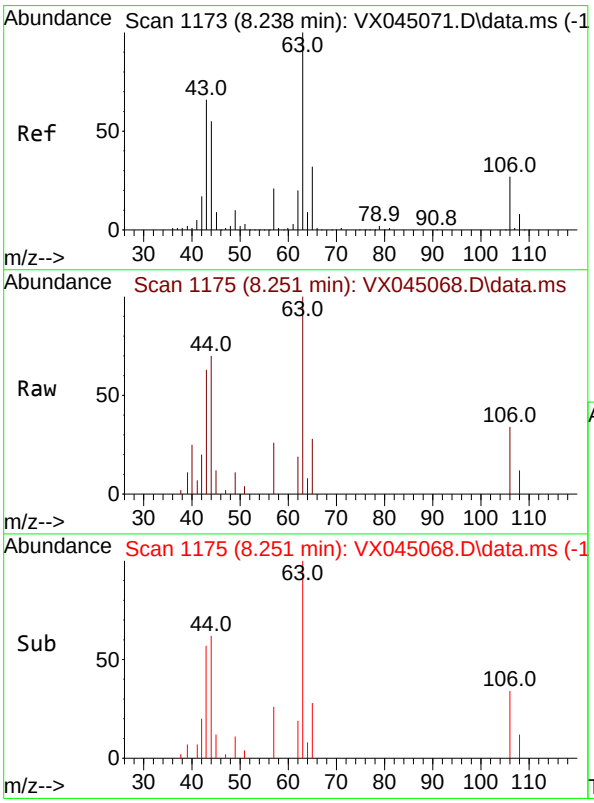
#57
1,3-Dichloropropane
Concen: 0.920 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2112

Ion	Ratio	Lower	Upper
76	100		
78	30.1	25.5	38.3

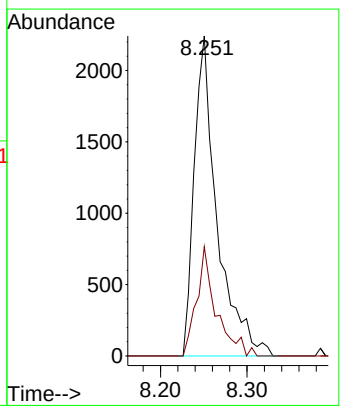


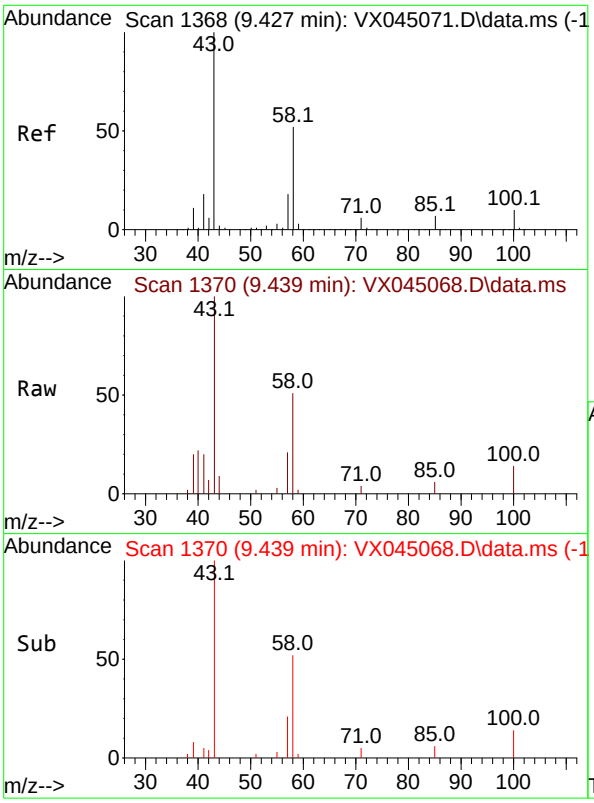


#58
2-Chloroethyl Vinyl ether
Concen: 4.320 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 63 Resp: 4115

Ion	Ratio	Lower	Upper
63	100		
106	29.2	21.5	32.3



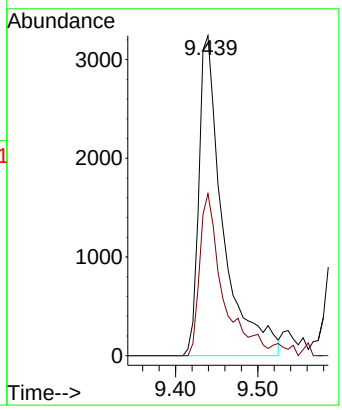


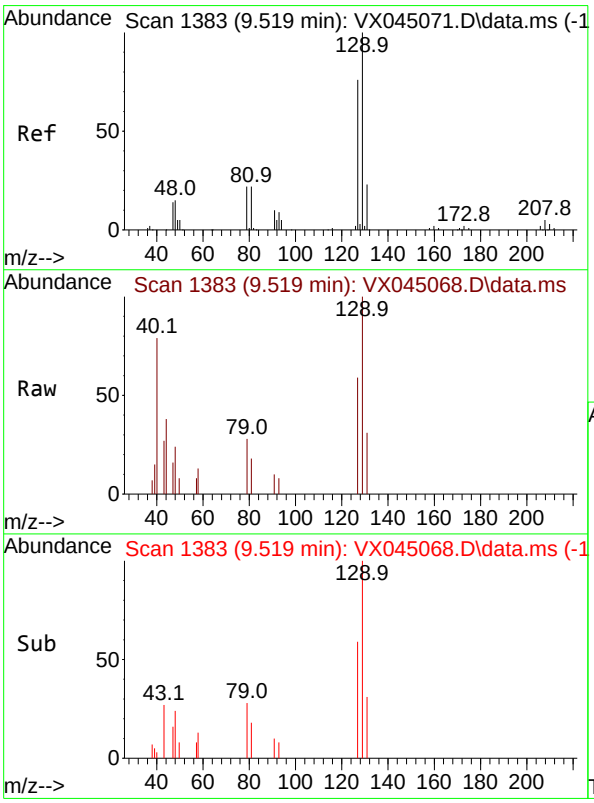
#59
2-Hexanone
Concen: 4.153 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6582

Ion	Ratio	Lower	Upper
43	100		
58	48.7	25.9	77.6

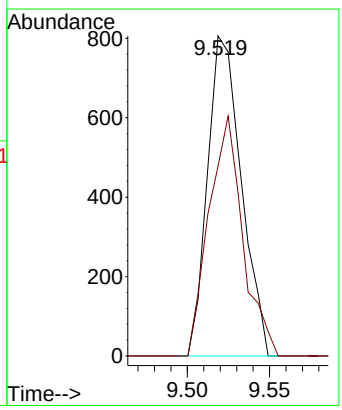


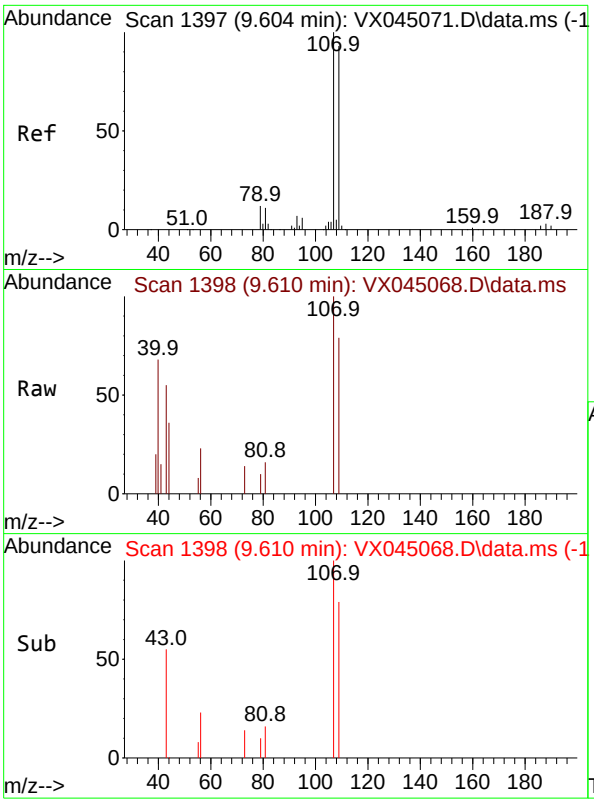


#60
Dibromochloromethane
Concen: 0.835 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:129 Resp: 1152

Ion	Ratio	Lower	Upper
129	100		
127	75.2	38.5	115.5



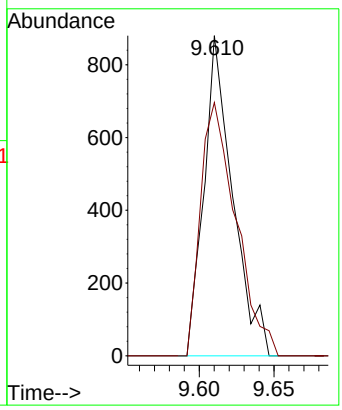


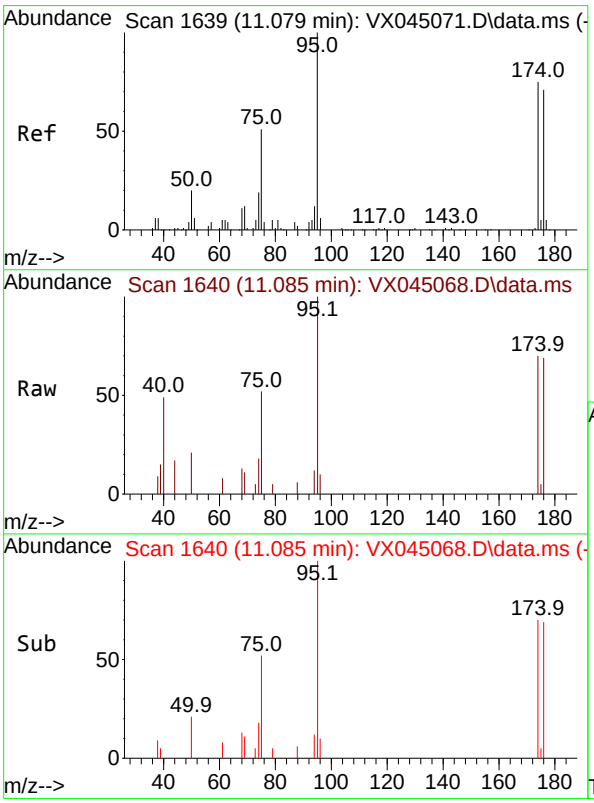
#61
1,2-Dibromoethane
Concen: 0.890 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1174

Ion	Ratio	Lower	Upper
107	100		
109	97.6	76.1	114.1

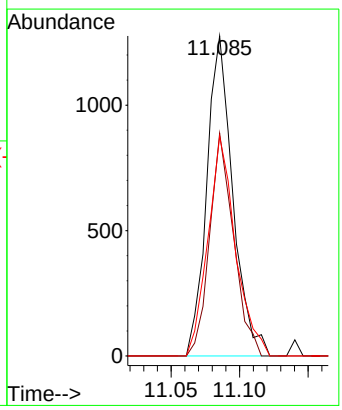


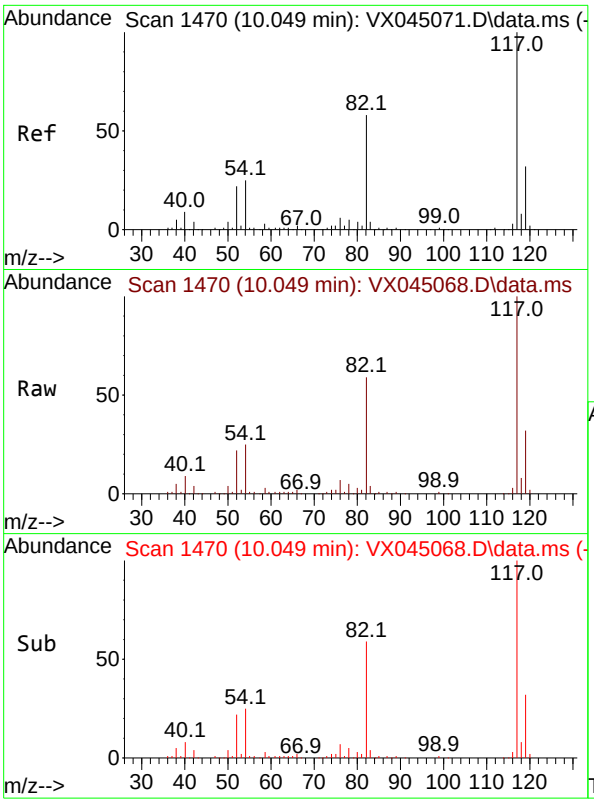


#62
4-Bromofluorobenzene
Concen: 1.112 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



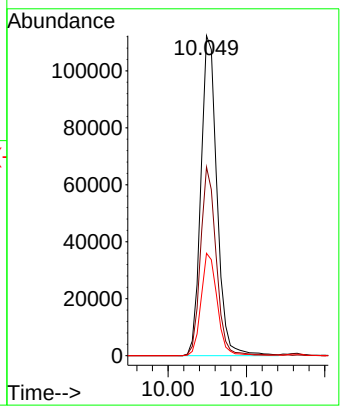


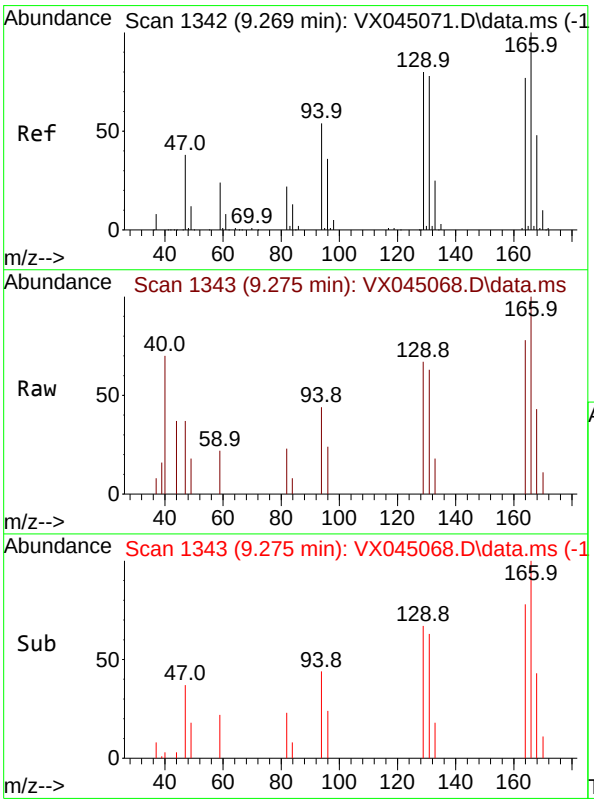
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

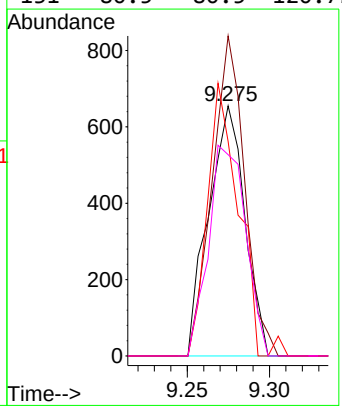


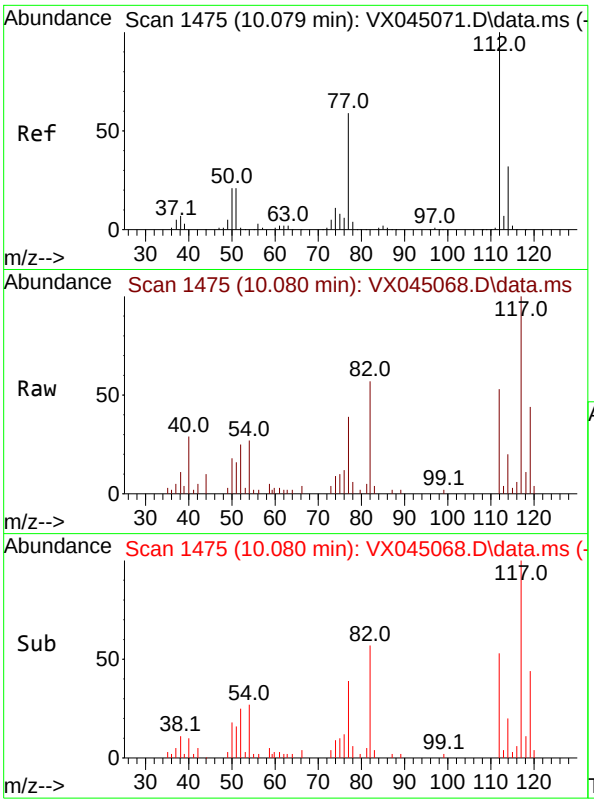


#64
Tetrachloroethene
Concen: 0.986 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



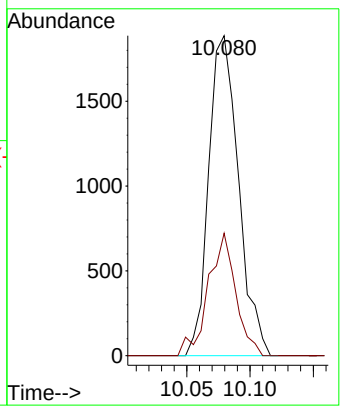


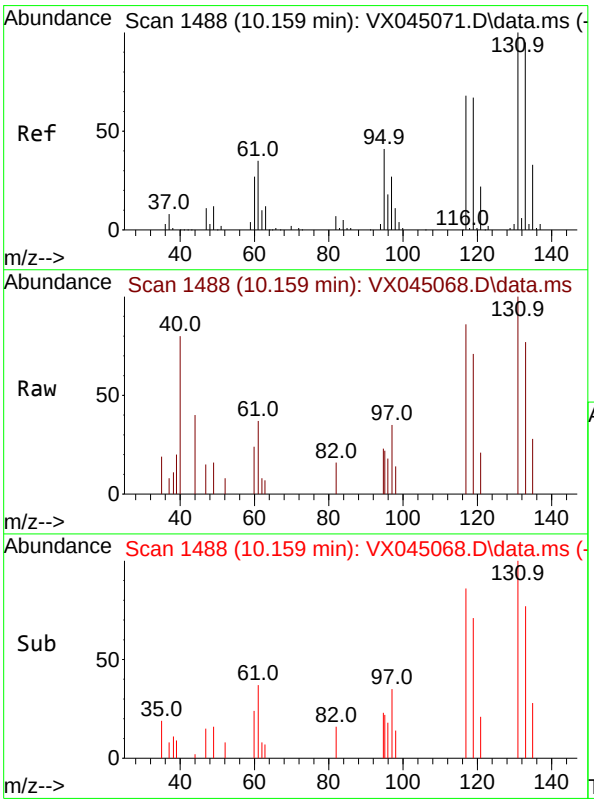
#65
Chlorobenzene
Concen: 0.908 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 3094

Ion	Ratio	Lower	Upper
112	100		
114	38.3	26.0	39.0

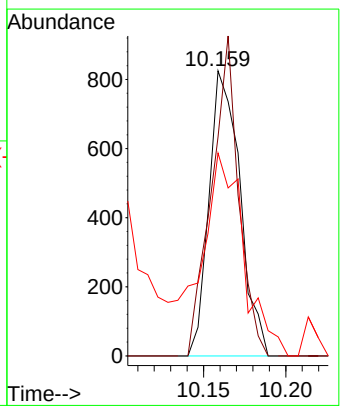


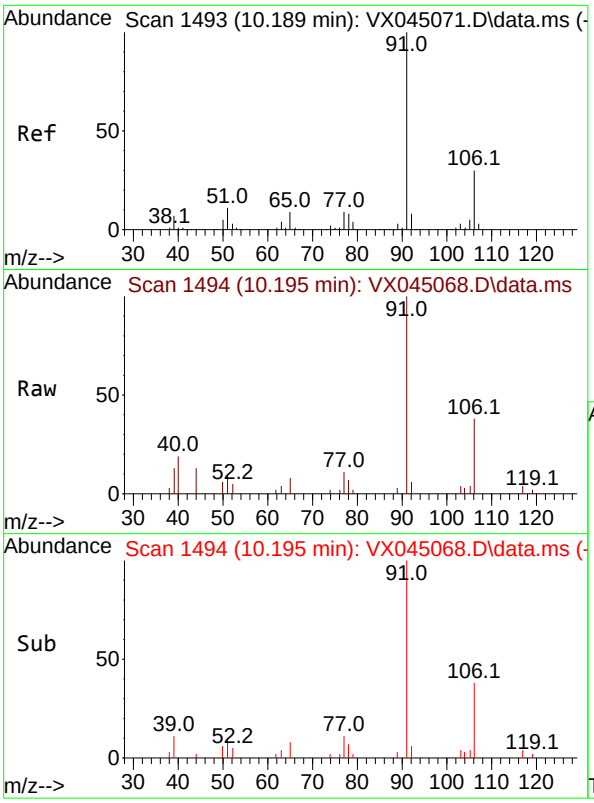


#66
1,1,1,2-Tetrachloroethane
Concen: 0.978 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



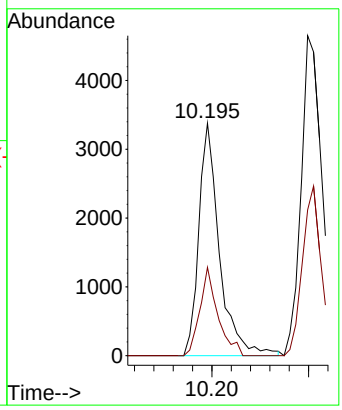


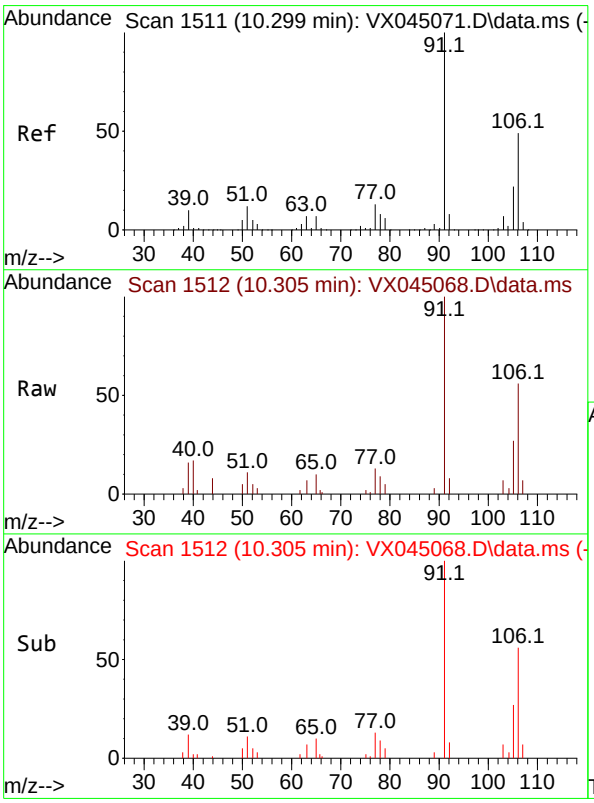
#67
Ethyl Benzene
Concen: 0.846 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5008

Ion	Ratio	Lower	Upper
91	100		
106	38.0	23.9	35.9#

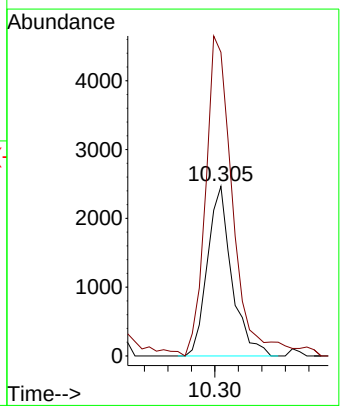


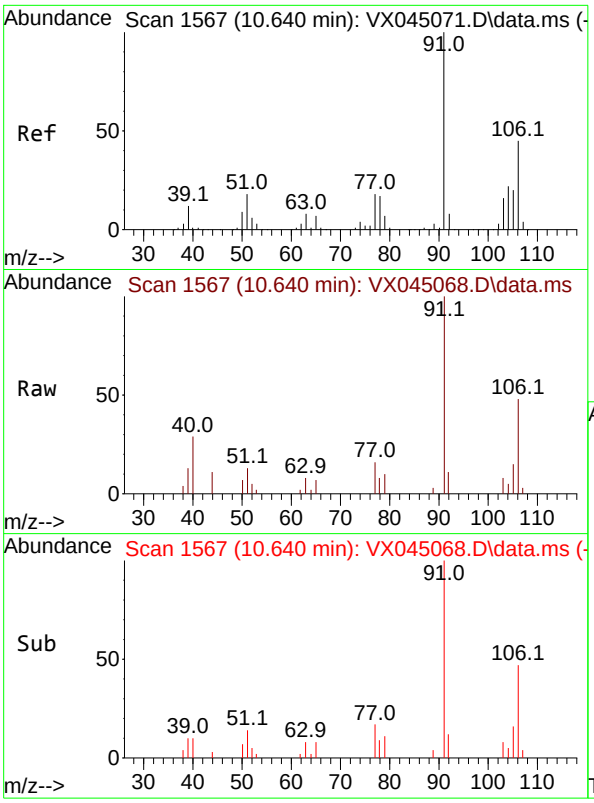


#68
m/p-Xylenes
Concen: 1.630 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:106 Resp: 3552

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



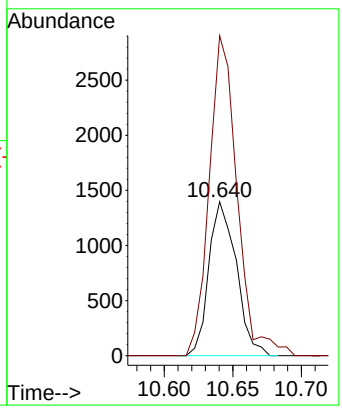


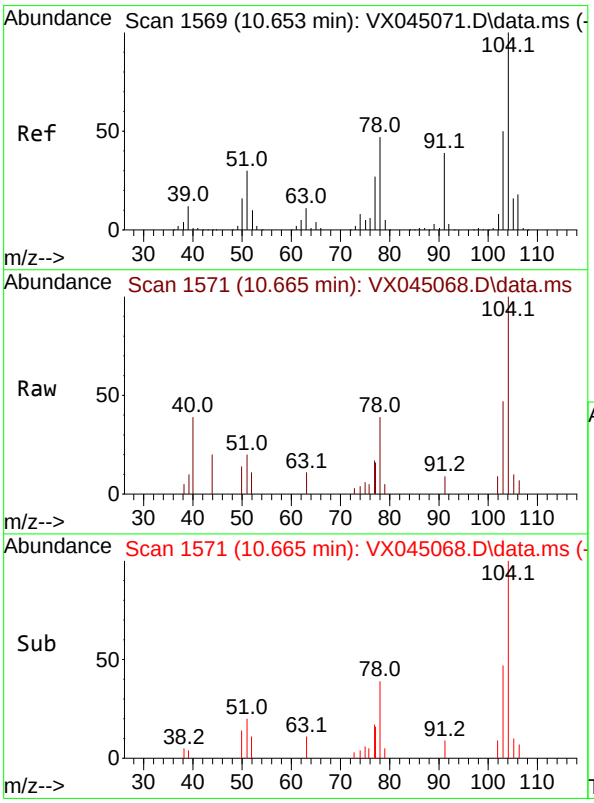
#69
o-Xylene
Concen: 0.891 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 1949

Ion	Ratio	Lower	Upper
106	100		
91	211.0	109.9	329.6

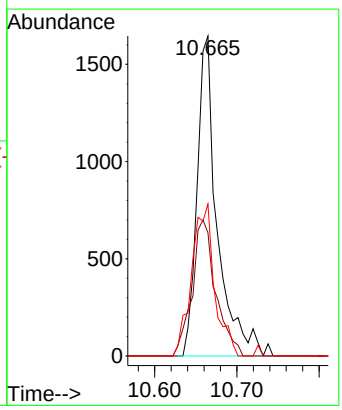


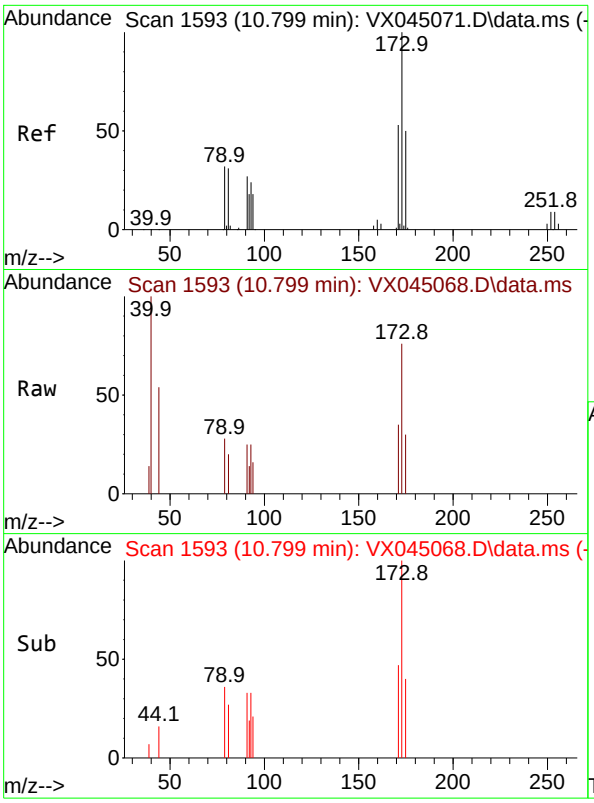


#70
Styrene
Concen: 0.802 ug/l
RT: 10.665 min Scan# 1571
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



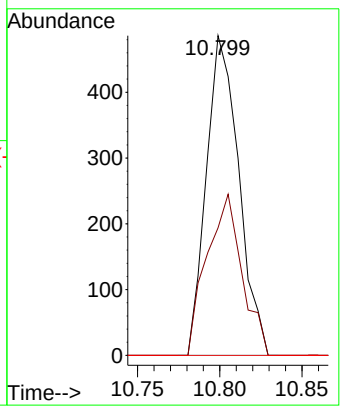


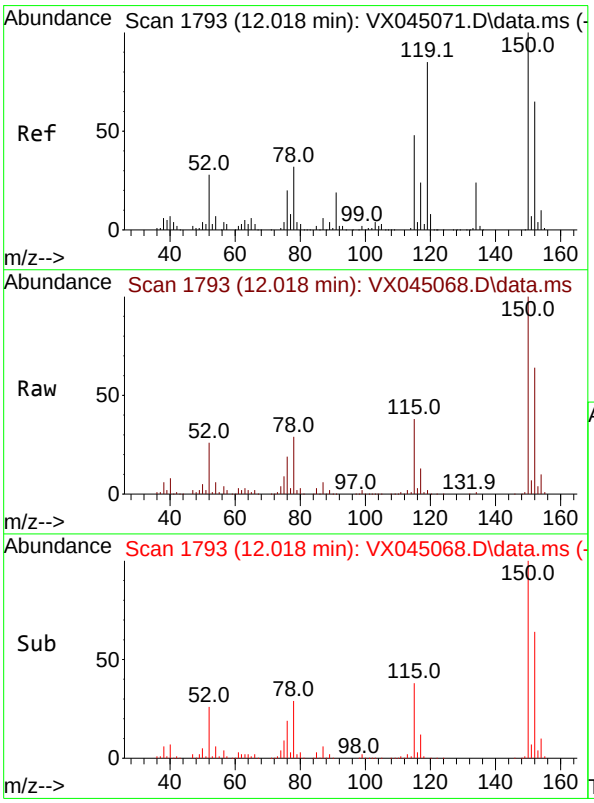
#71
Bromoform
Concen: 0.768 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

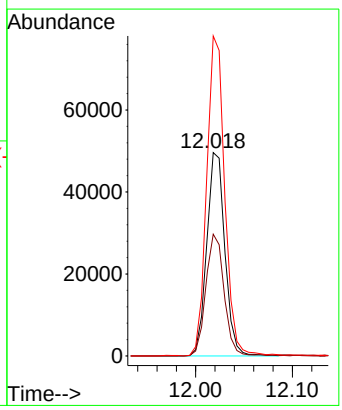


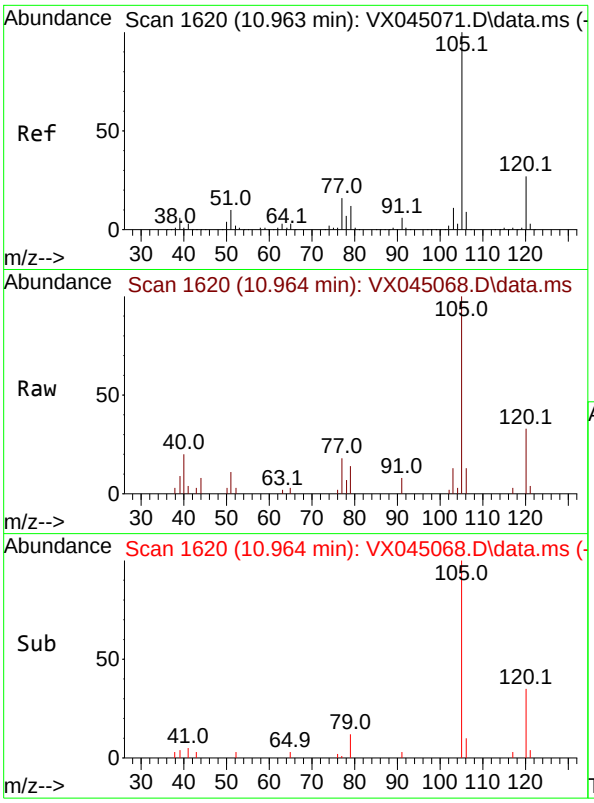


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



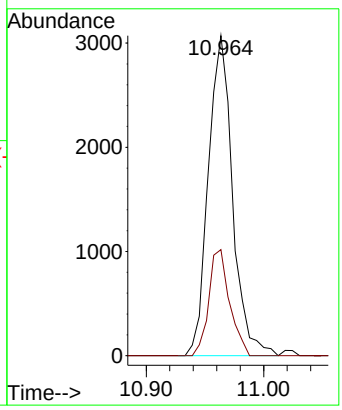


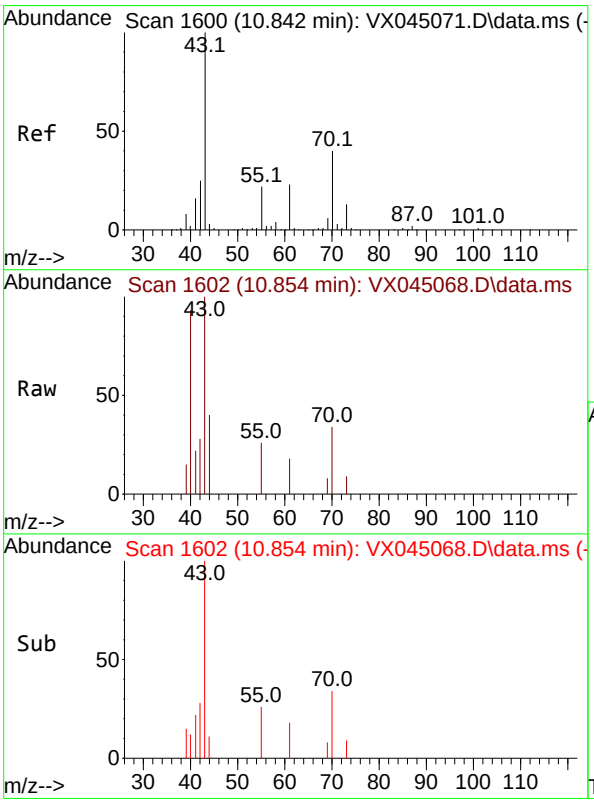
#73
Isopropylbenzene
Concen: 0.858 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 4405

Ion	Ratio	Lower	Upper
105	100		
120	28.5	13.2	39.5

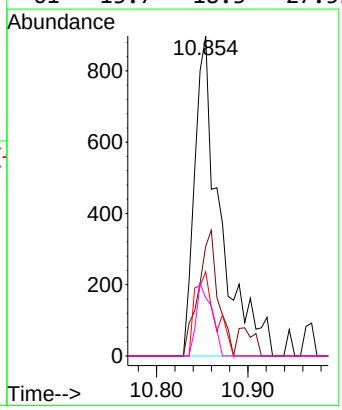


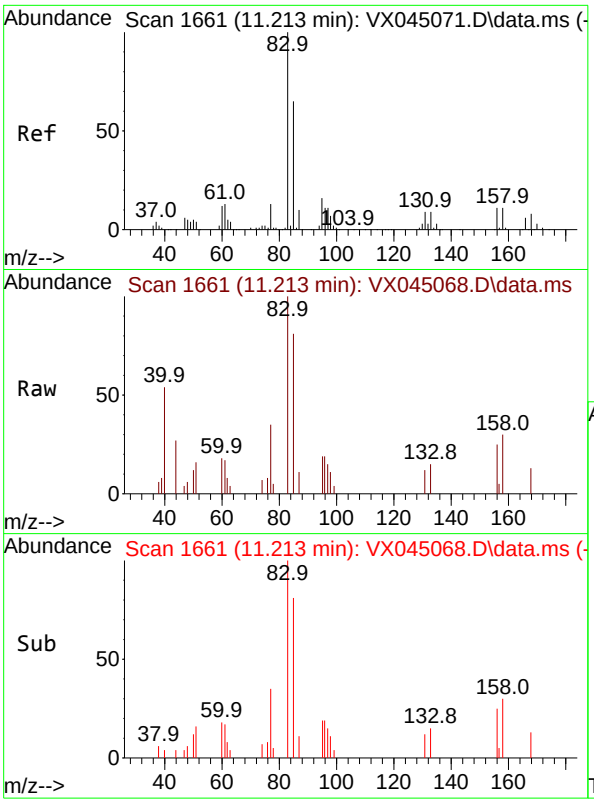


#74
N-amyl acetate
Concen: 0.732 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#



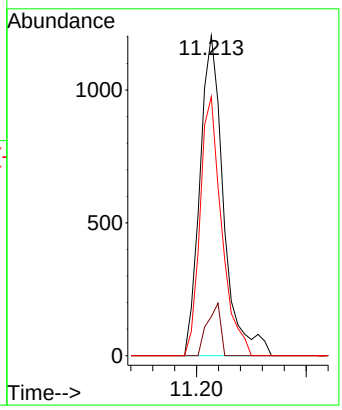


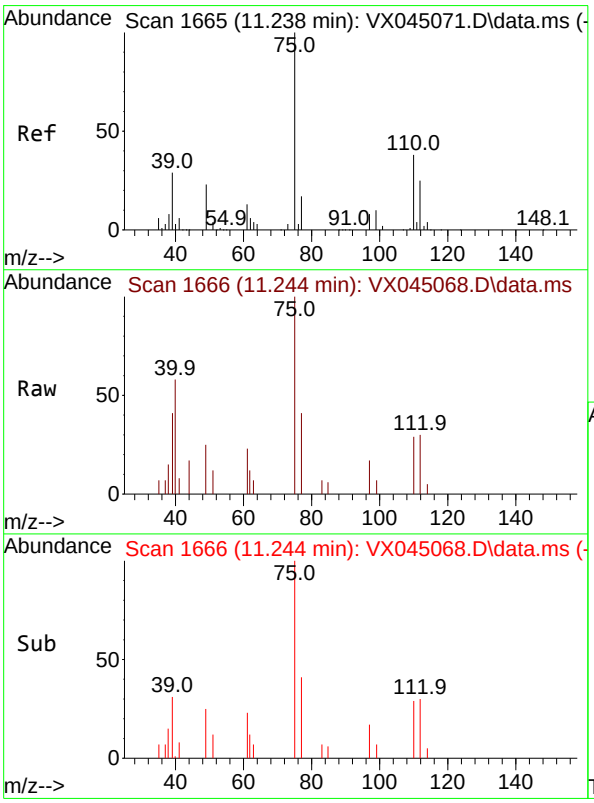
#75
1,1,2,2-Tetrachloroethane
Concen: 0.954 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

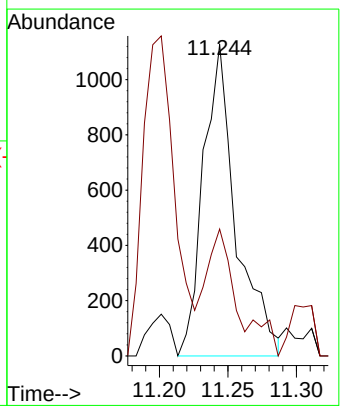


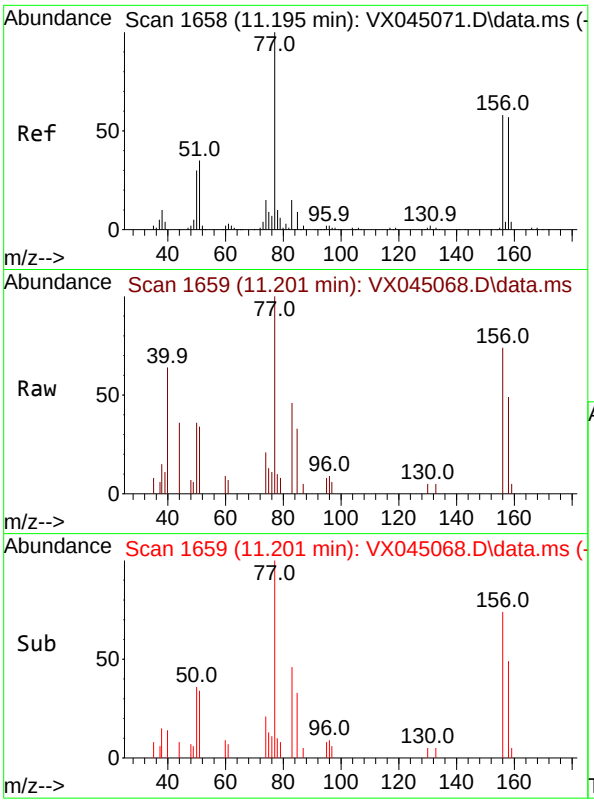


#76
1,2,3-Trichloropropane
Concen: 1.246 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 75 Resp: 1878

Ion	Ratio	Lower	Upper
75	100		
77	32.6	20.7	62.1



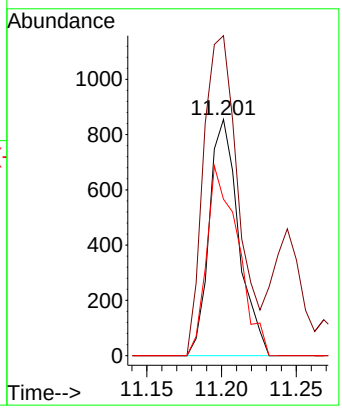


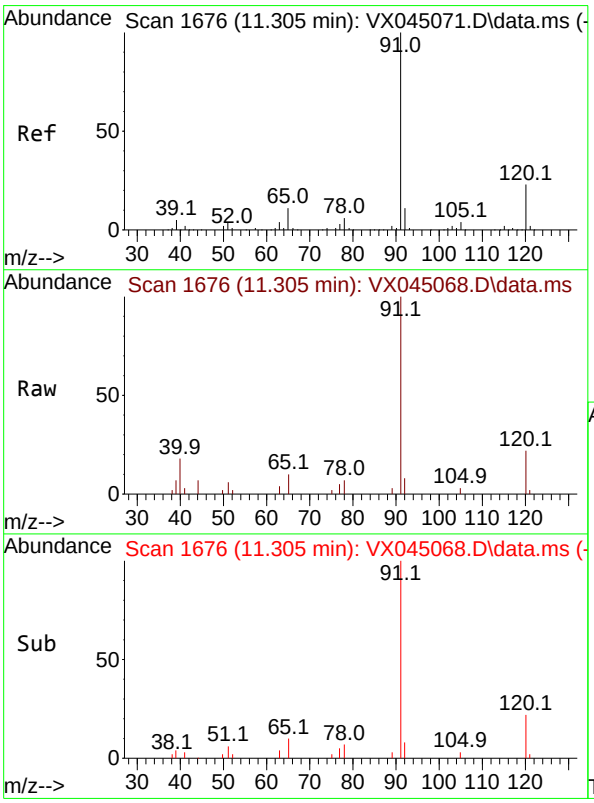
#77
Bromobenzene
Concen: 0.972 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

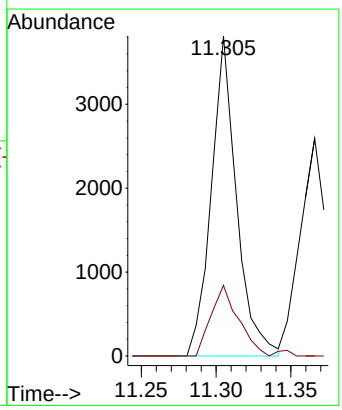


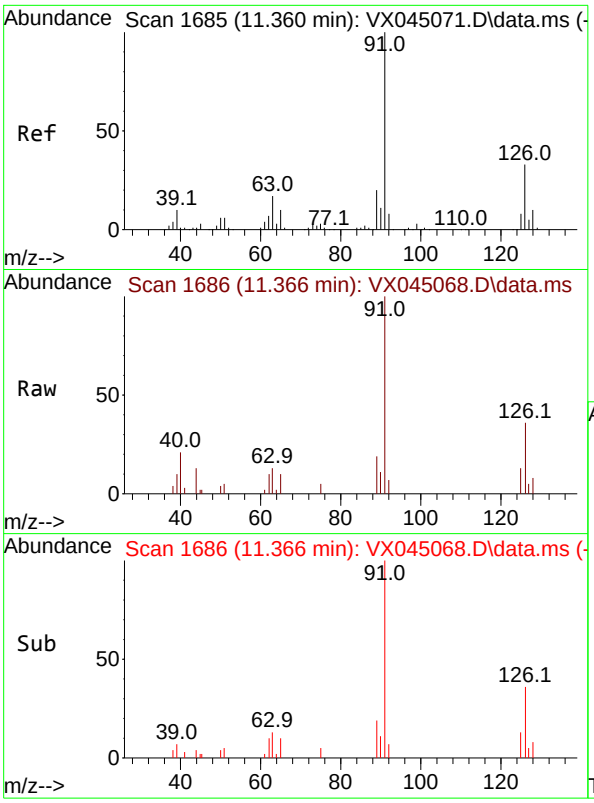


#78
n-propylbenzene
Concen: 0.773 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 4475

Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.2	33.6



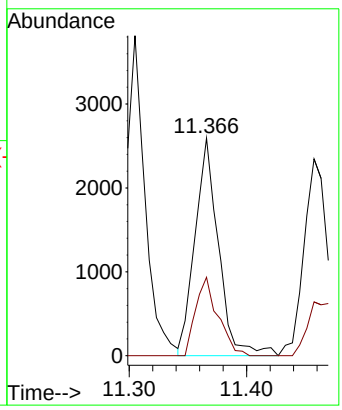


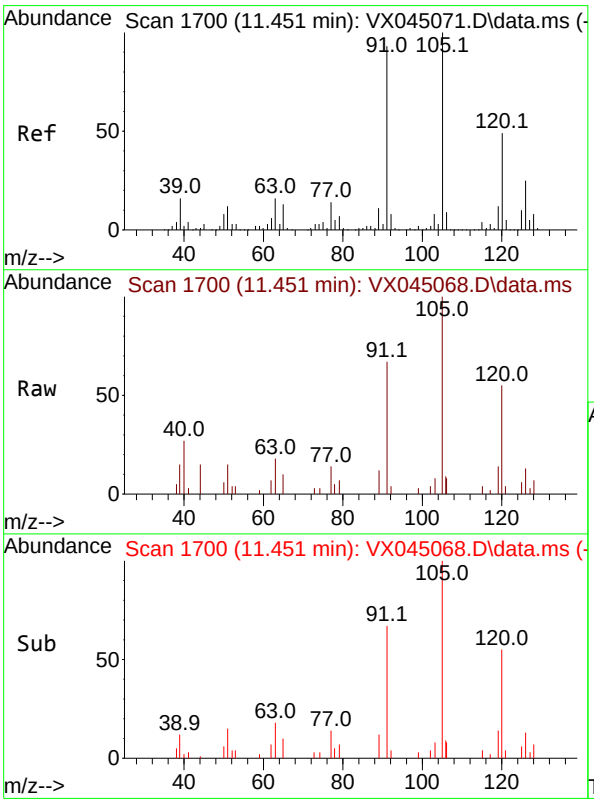
#79
2-Chlorotoluene
Concen: 0.986 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3616

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.4

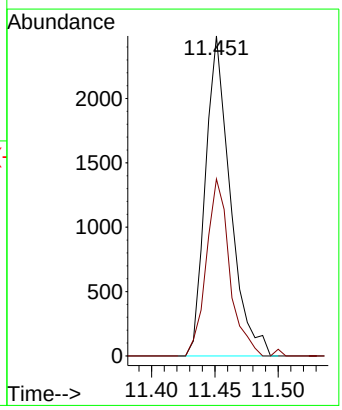


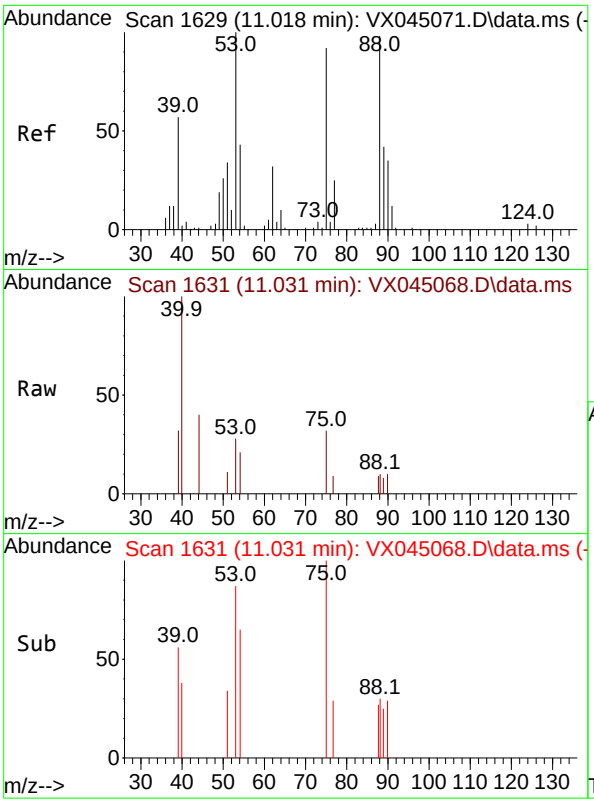


#80
1,3,5-Trimethylbenzene
Concen: 0.815 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3386

Ion	Ratio	Lower	Upper
105	100		
120	52.2	24.1	72.2



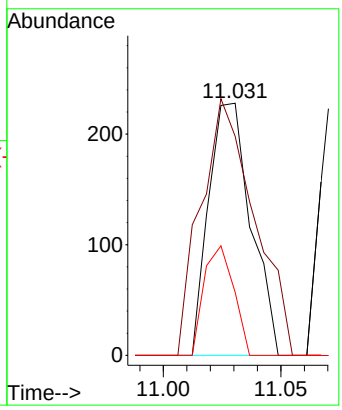


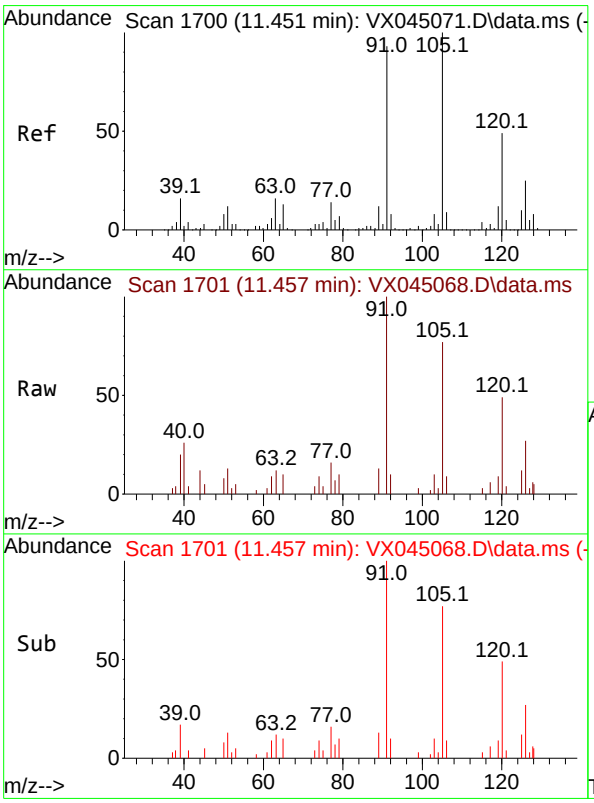
#81
trans-1,4-Dichloro-2-butene
Concen: 0.646 ug/l
RT: 11.031 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

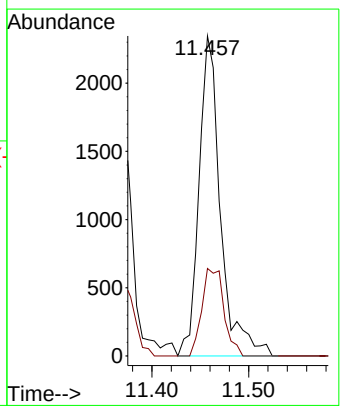


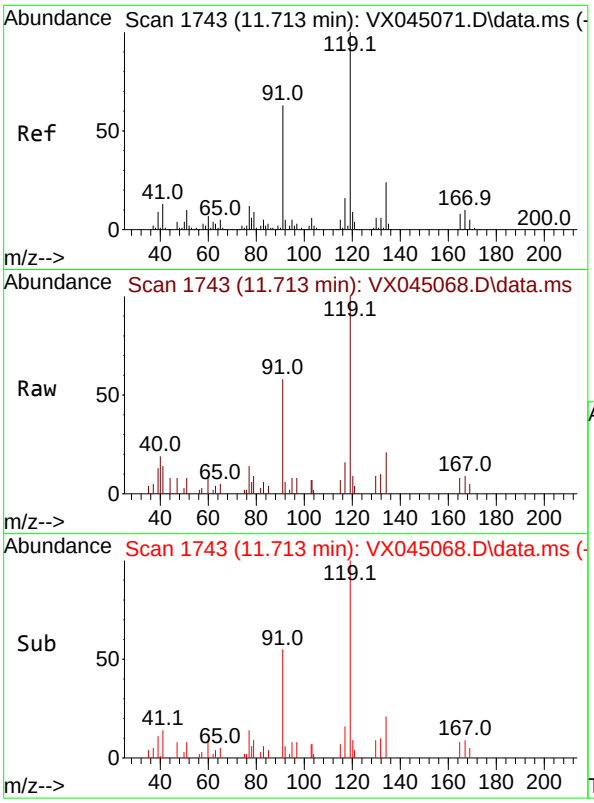


#82
4-Chlorotoluene
Concen: 0.904 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion: 91 Resp: 3631

Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.1	42.4



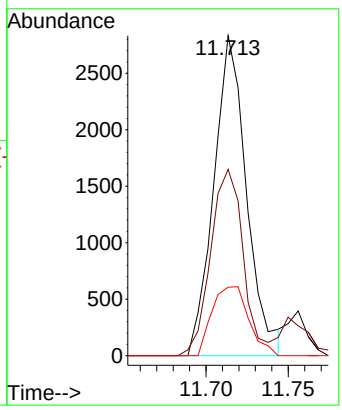


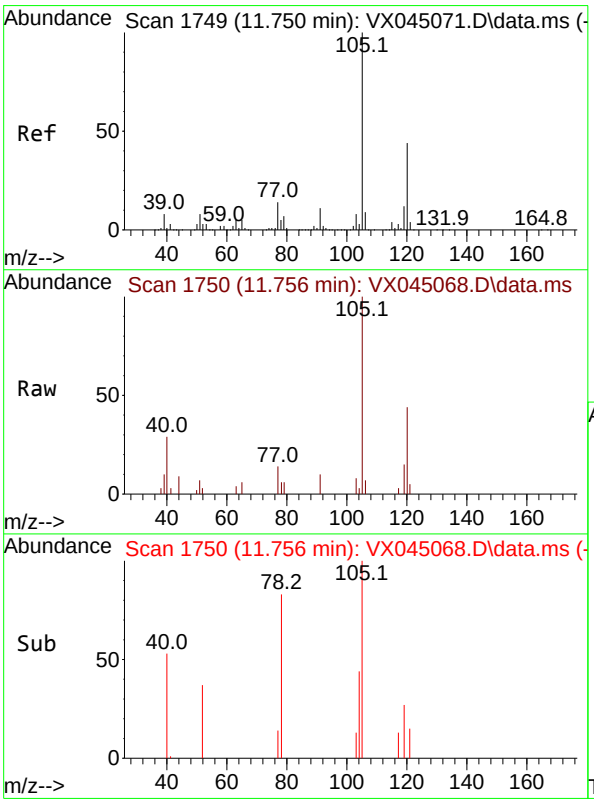
#83
tert-Butylbenzene
Concen: 0.929 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

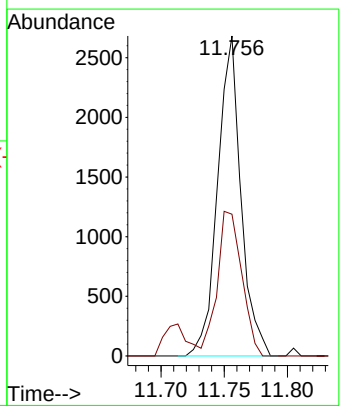


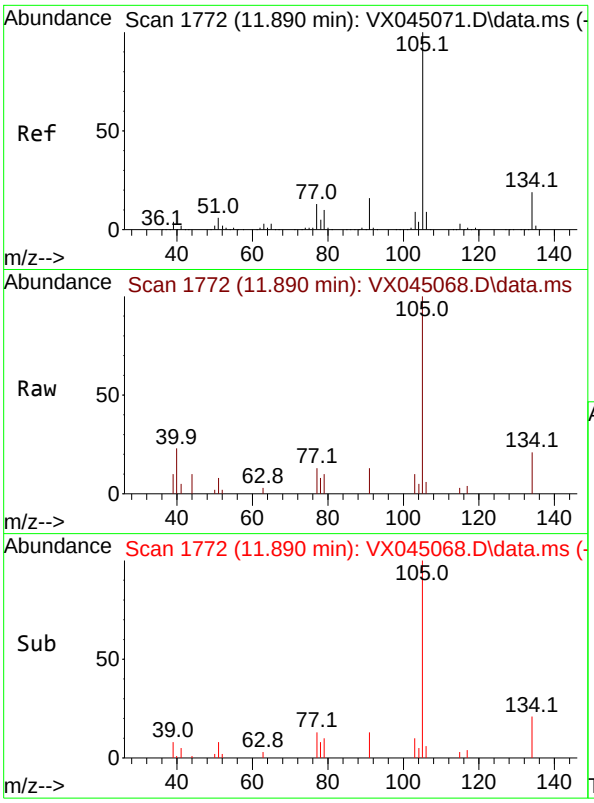


#84
1,2,4-Trimethylbenzene
Concen: 0.827 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:105 Resp: 3432

Ion	Ratio	Lower	Upper
105	100		
120	47.5	22.1	66.1



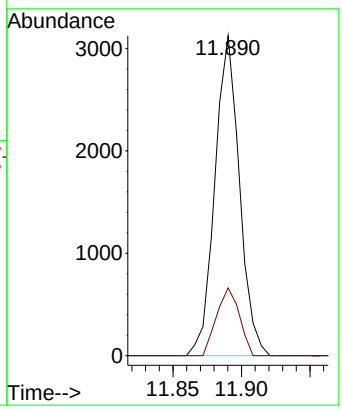


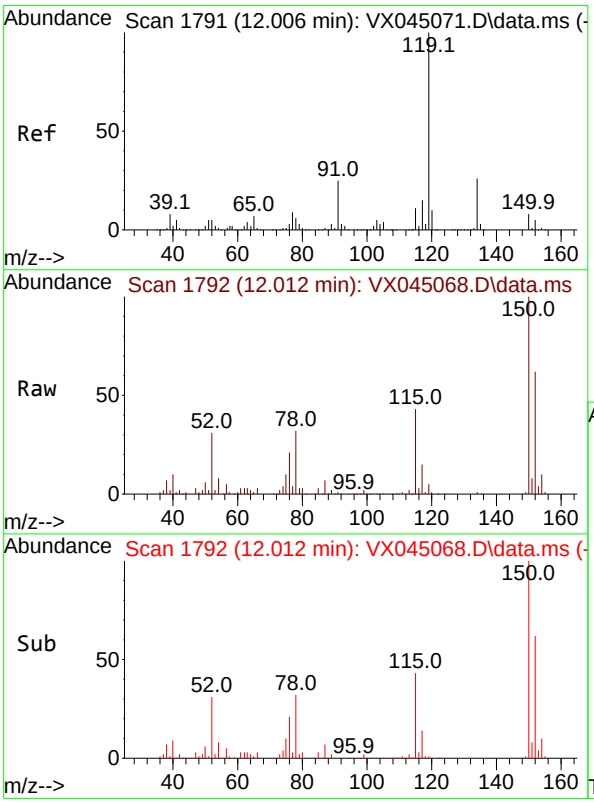
#85
sec-Butylbenzene
Concen: 0.752 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 3891

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

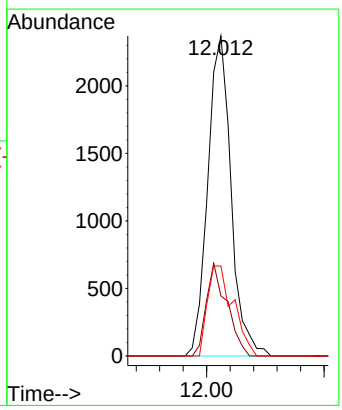


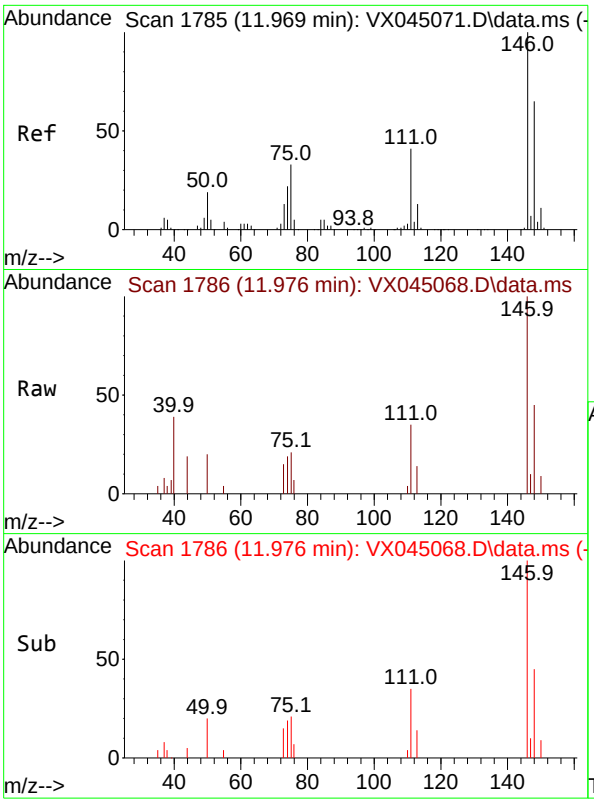


#86
p-Isopropyltoluene
Concen: 0.797 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



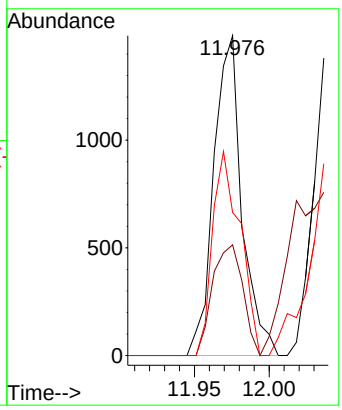


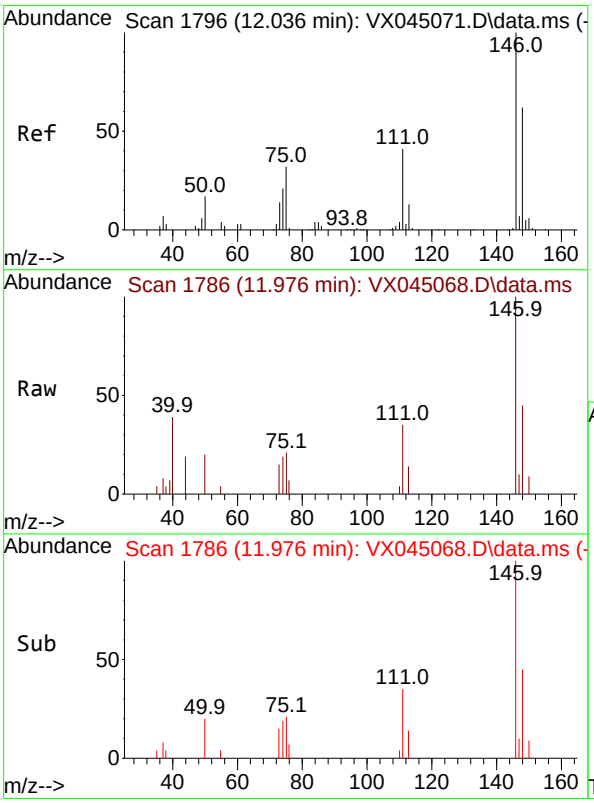
#87
1,3-Dichlorobenzene
Concen: 0.913 ug/l
RT: 11.976 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

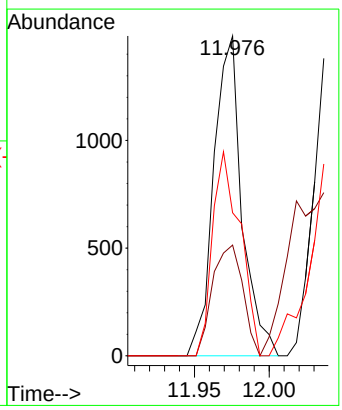


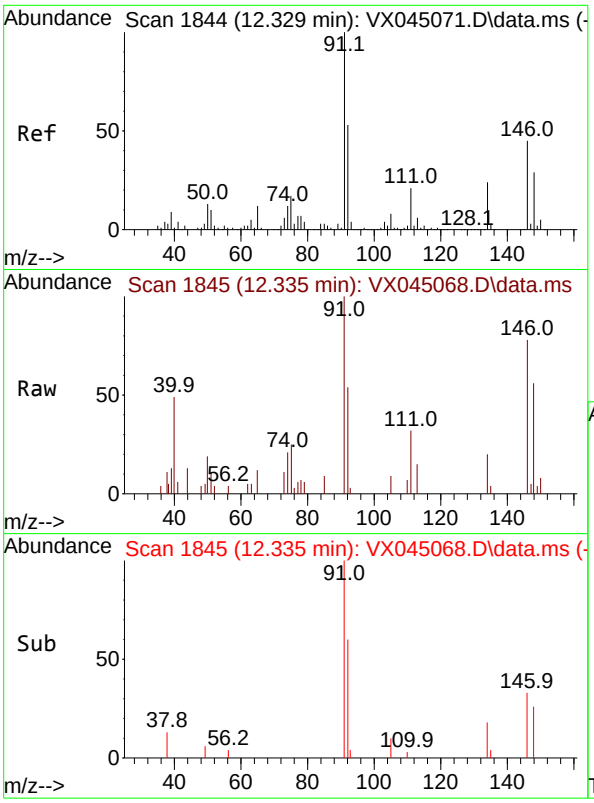


#88
1,4-Dichlorobenzene
Concen: 0.900 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. -0.061 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



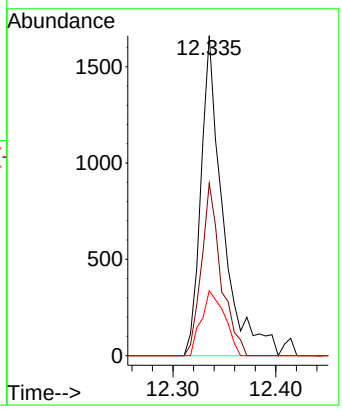


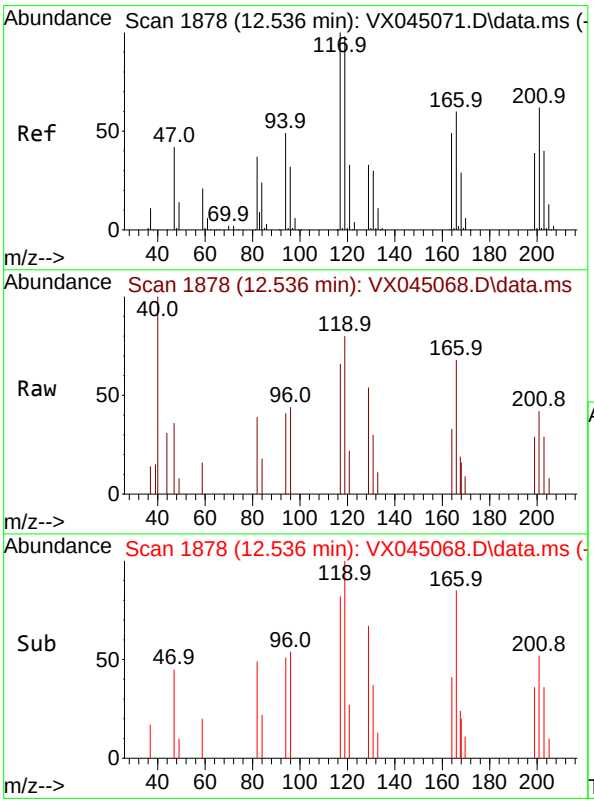
#89
n-Butylbenzene
Concen: 0.691 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

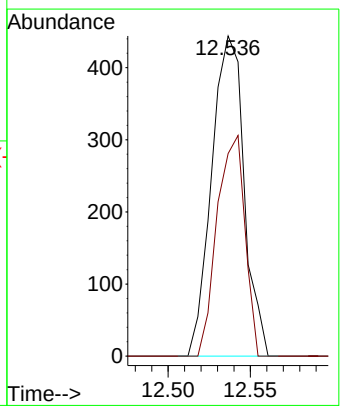


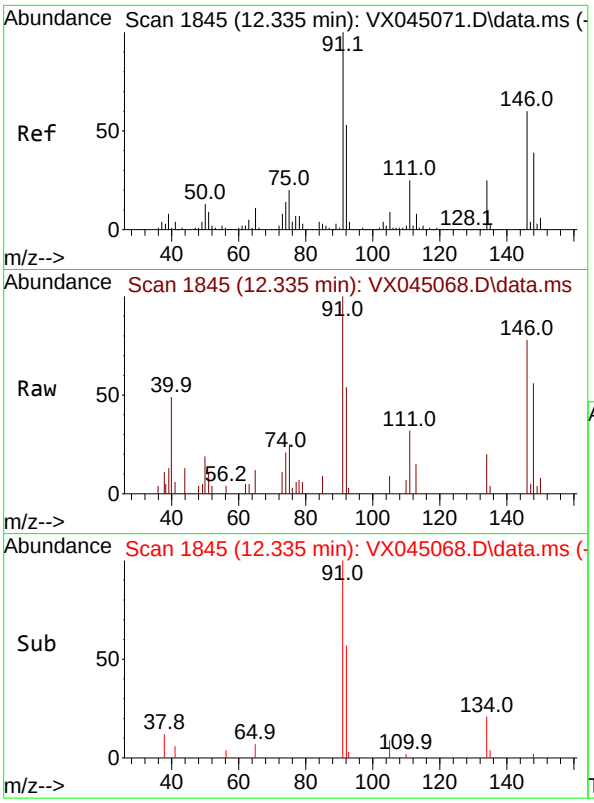


#90
Hexachloroethane
Concen: 0.805 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

Tgt Ion:117 Resp: 609

Ion	Ratio	Lower	Upper
117	100		
201	58.9	31.9	95.9



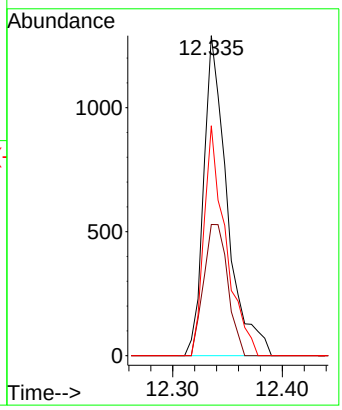


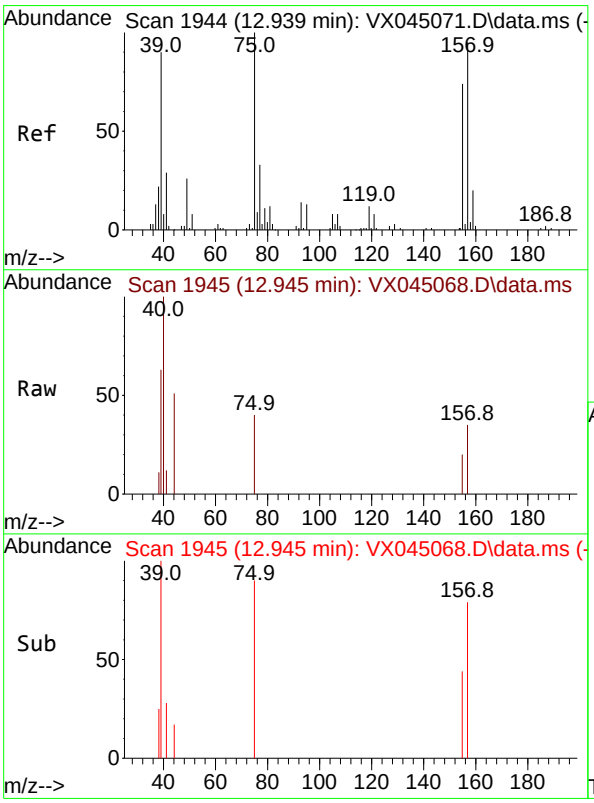
#91
1,2-Dichlorobenzene
Concen: 0.890 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

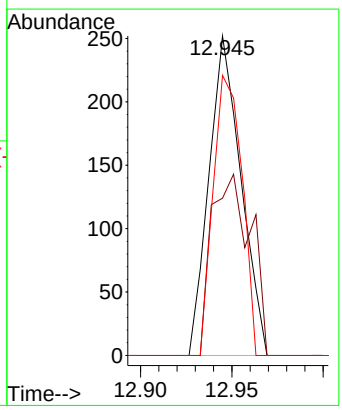


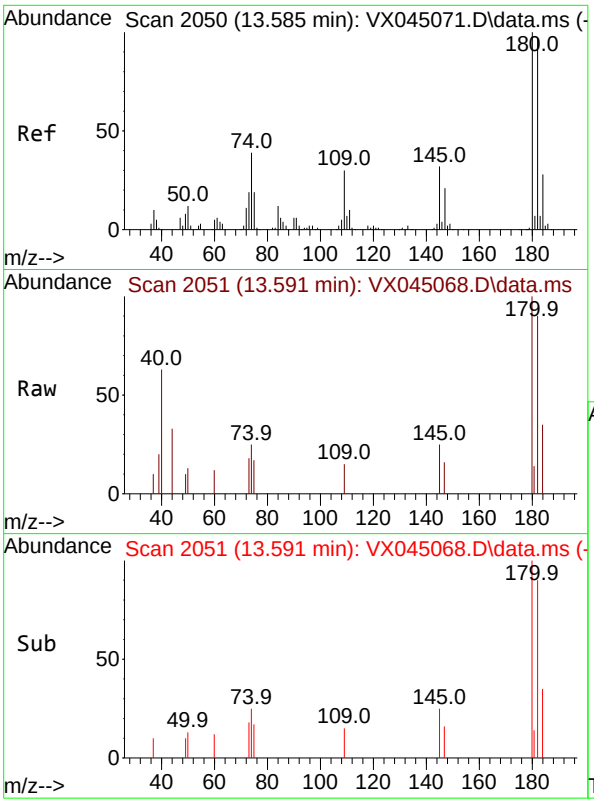


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.859 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



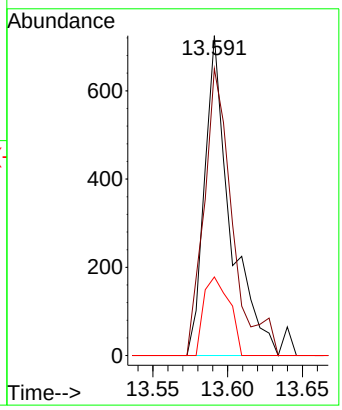


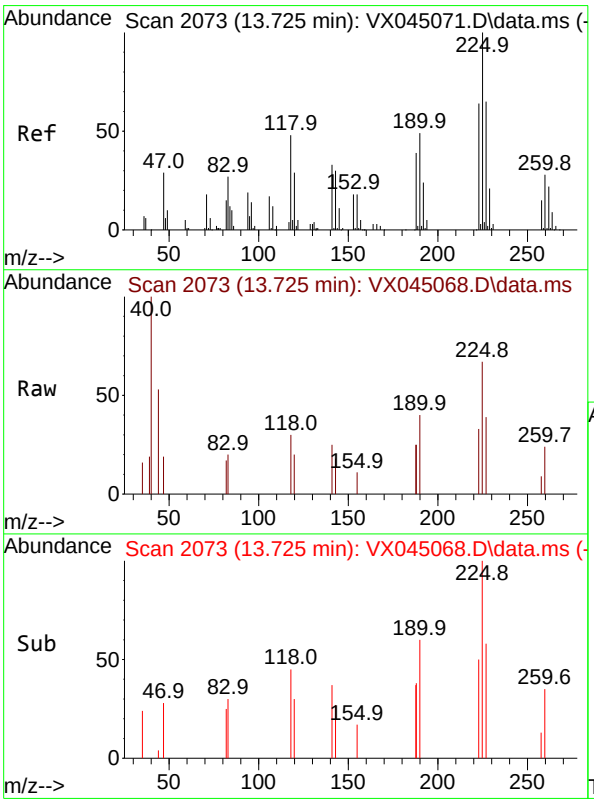
#93
1,2,4-Trichlorobenzene
Concen: 0.706 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

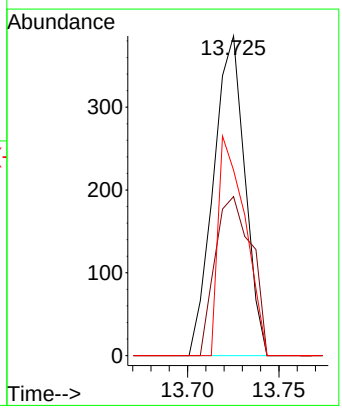


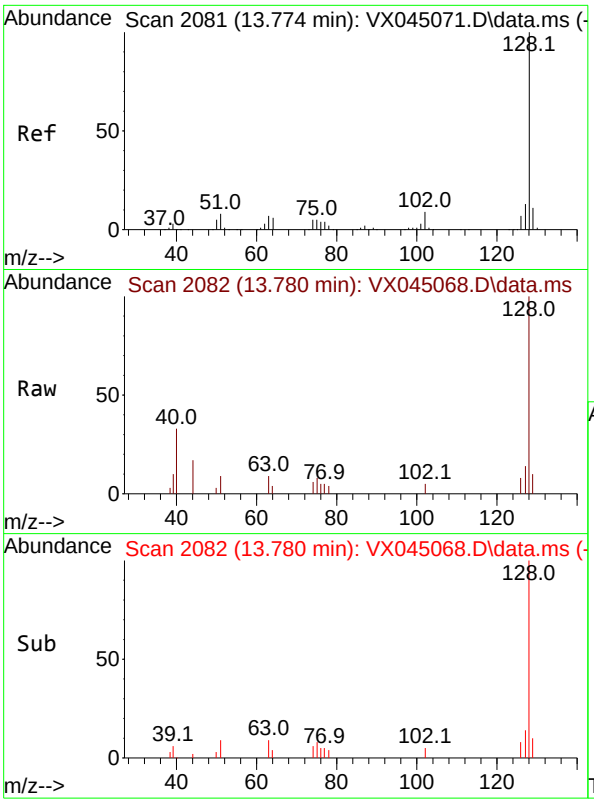


#94
Hexachlorobutadiene
Concen: 0.917 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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



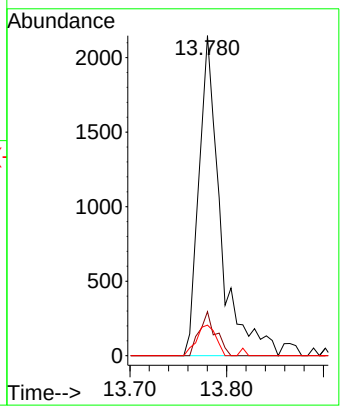


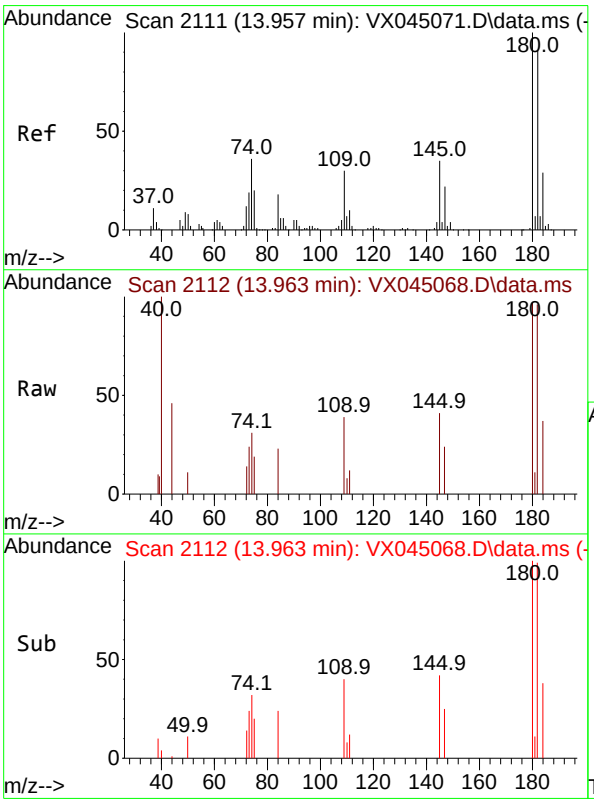
#95
Naphthalene
Concen: 0.707 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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#

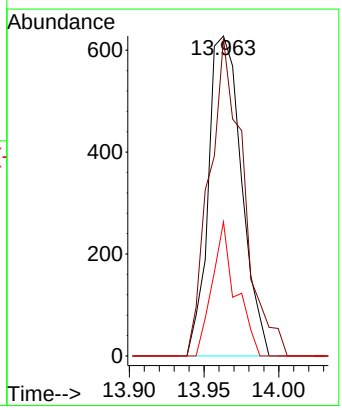




#96
1,2,3-Trichlorobenzene
Concen: 0.759 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045068.D
Acq: 28 Feb 2025 01:27

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

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)

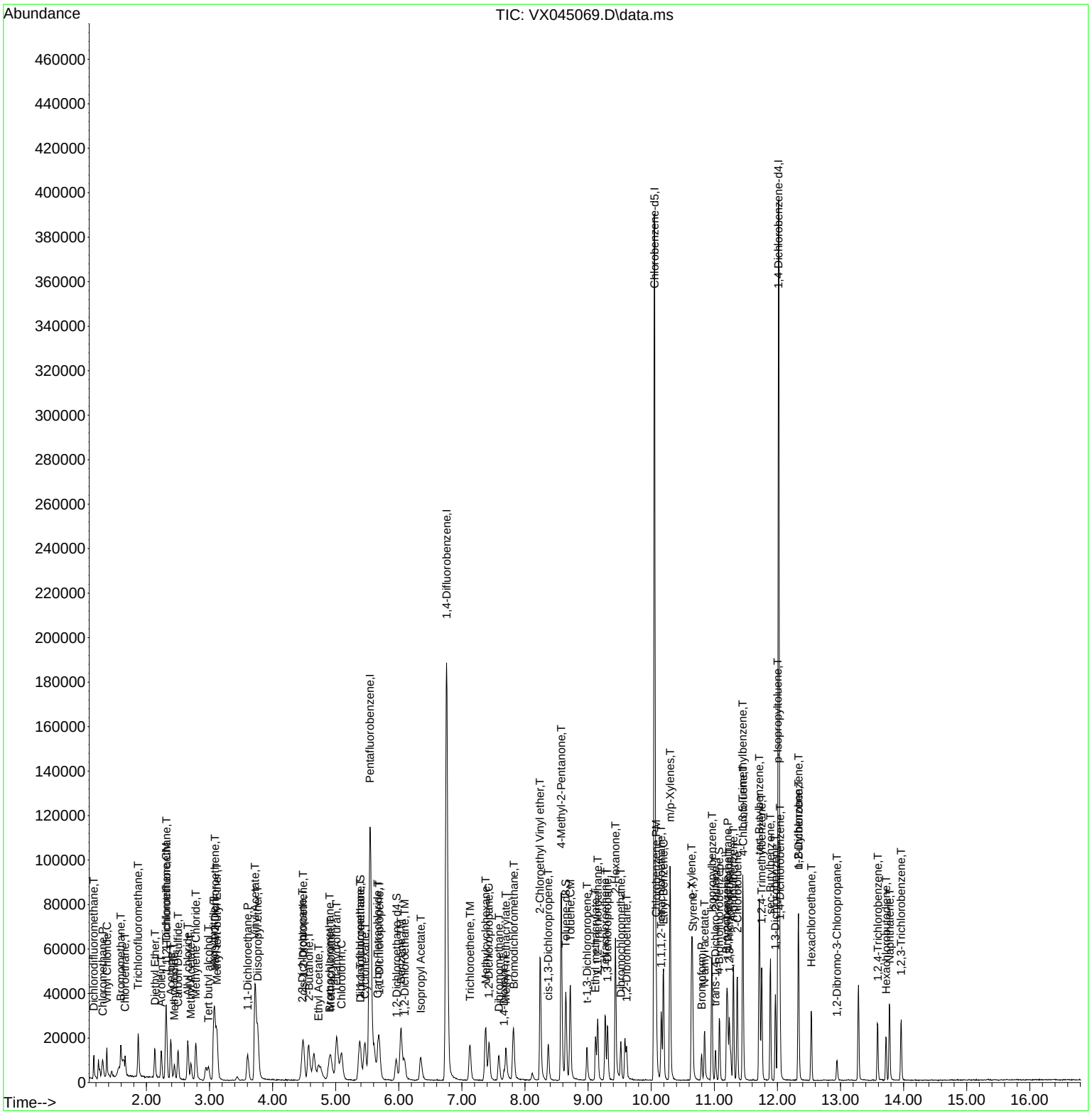
(#) = qualifier out of range (m) = manual integration (+) = signals summed

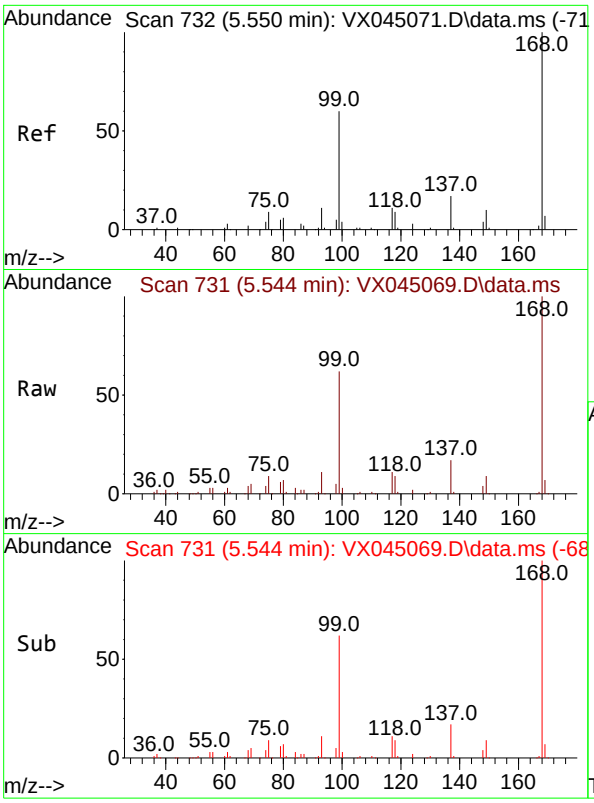
Quantitation Report (Not Reviewed)

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



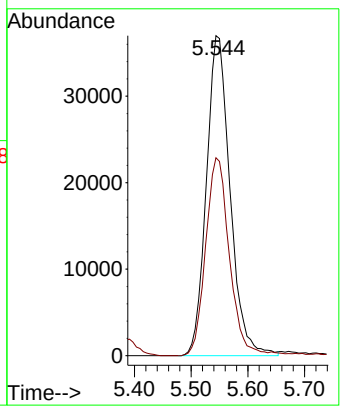


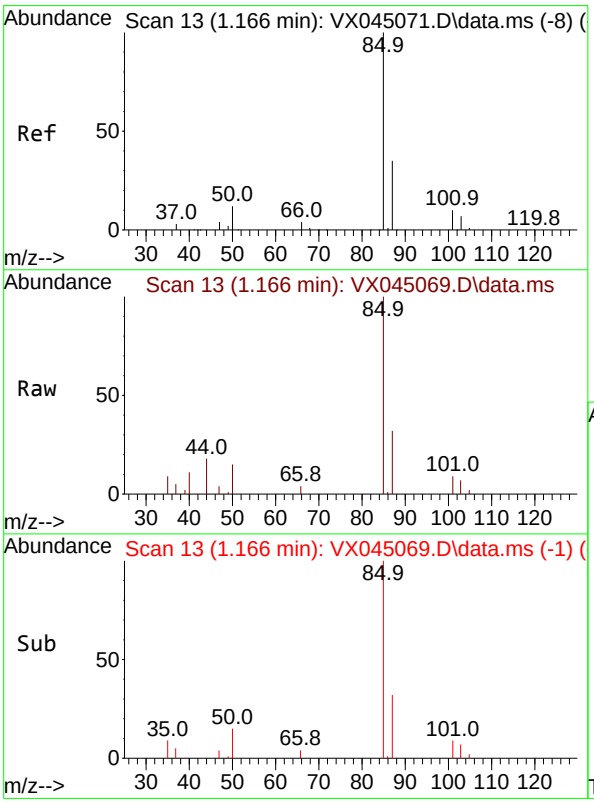
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 107391

Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.2	72.4

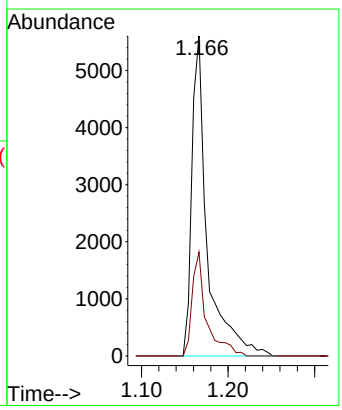


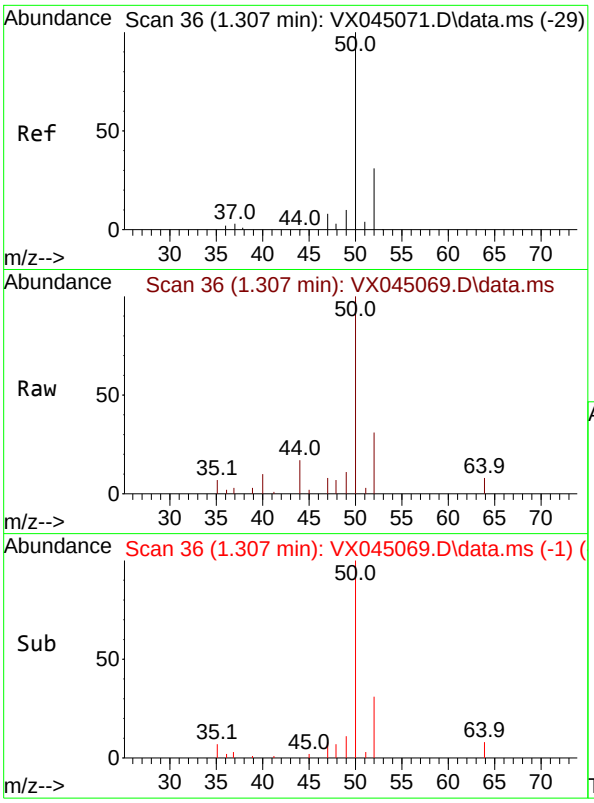


#2
Dichlorodifluoromethane
Concen: 4.689 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 85 Resp: 6941

Ion	Ratio	Lower	Upper
85	100		
87	32.4	17.4	52.3



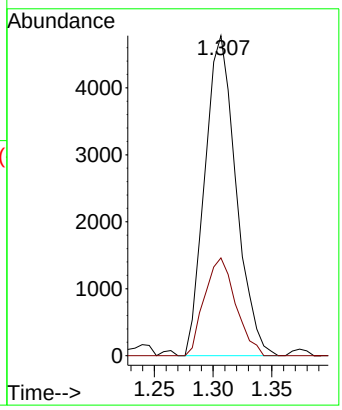


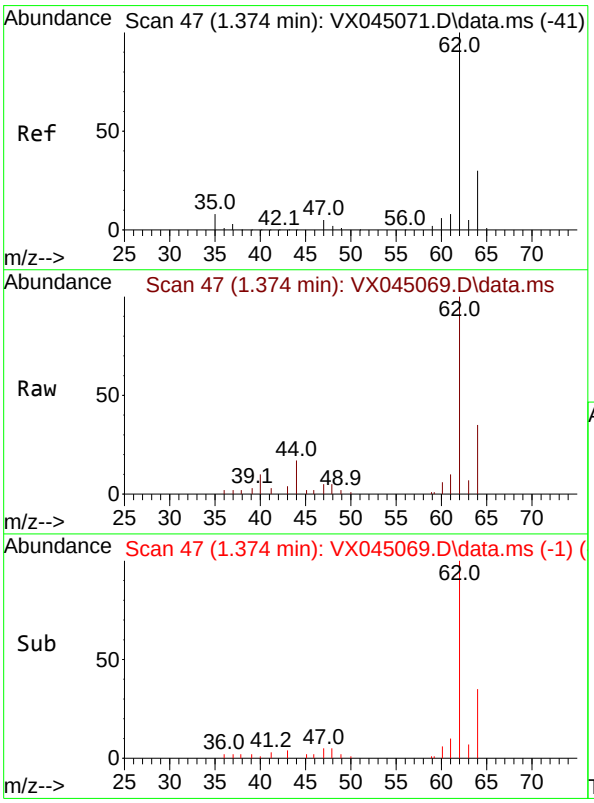
#3
Chloromethane
Concen: 4.896 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 8819

Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.0	37.4

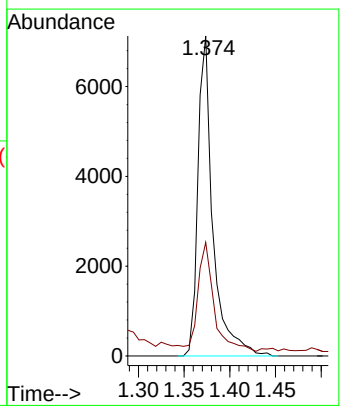


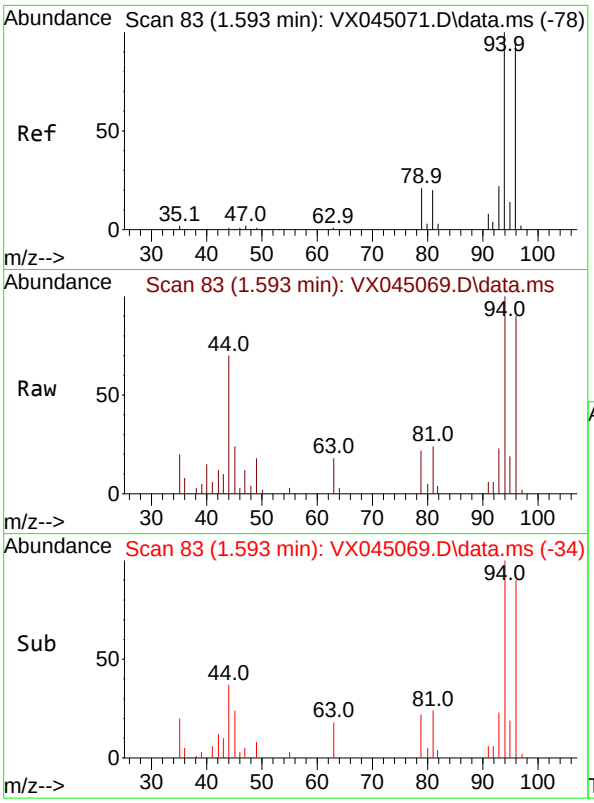


#4
Vinyl Chloride
Concen: 4.608 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 8106

Ion	Ratio	Lower	Upper
62	100		
64	33.9	24.3	36.5



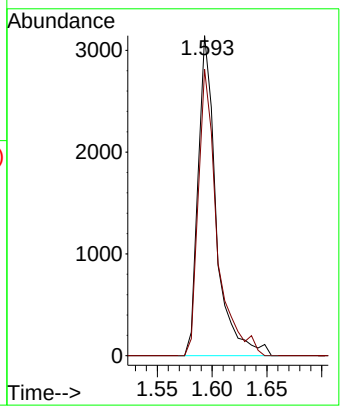


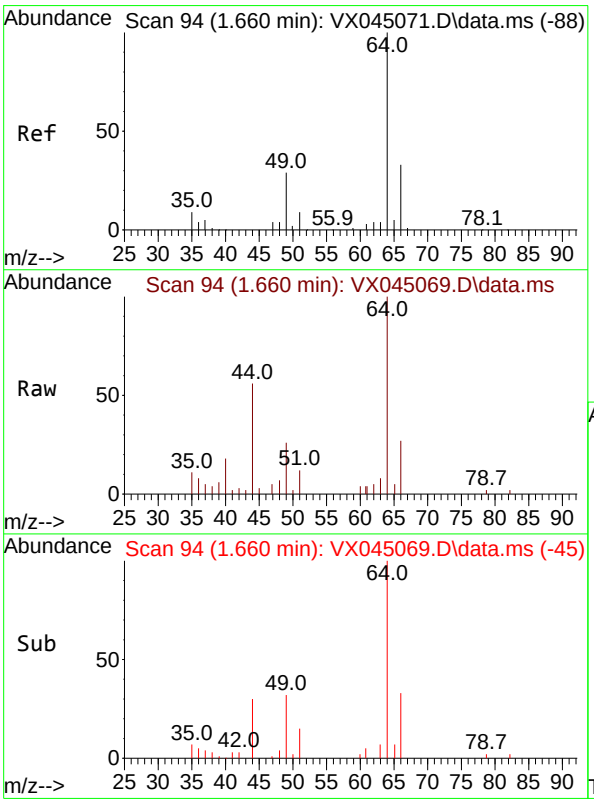
#5
Bromomethane
Concen: 6.582 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 3620

Ion	Ratio	Lower	Upper
94	100		
96	89.5	75.0	112.4

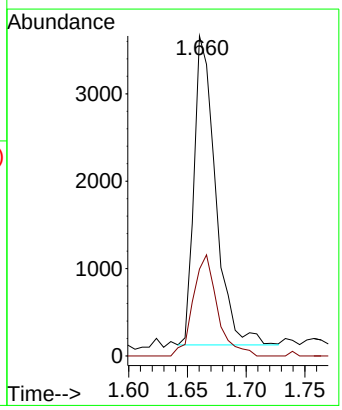


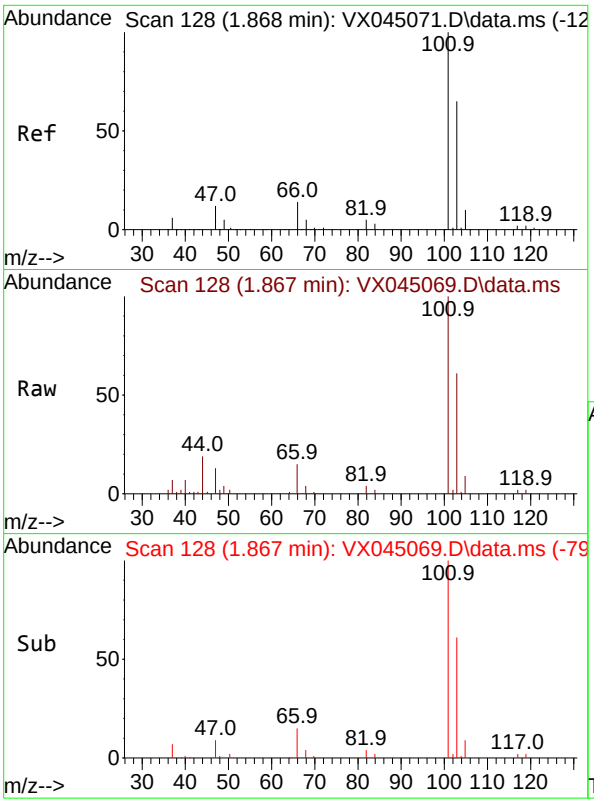


#6
Chloroethane
Concen: 6.746 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 64 Resp: 4517

Ion	Ratio	Lower	Upper
64	100		
66	28.1	26.7	40.1



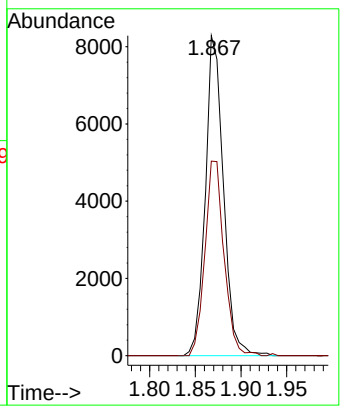


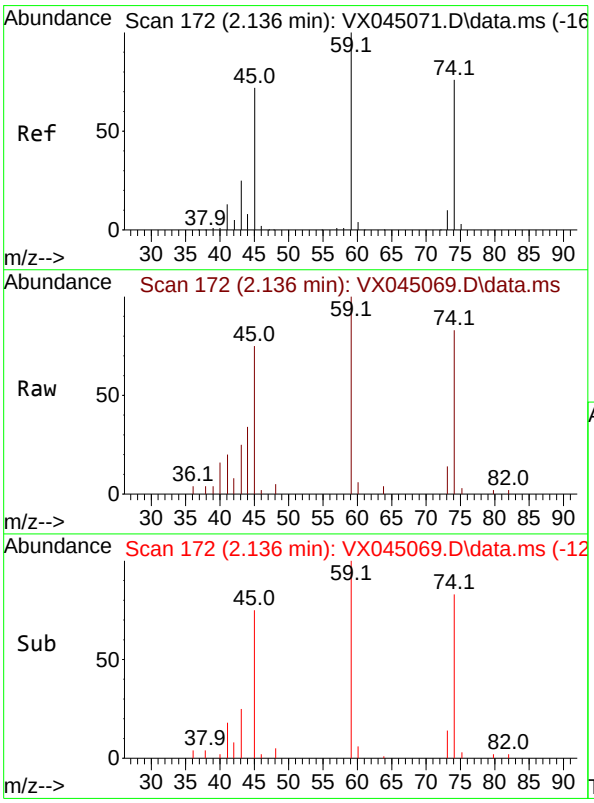
#7
Trichlorofluoromethane
Concen: 5.056 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 11392

Ion	Ratio	Lower	Upper
101	100		
103	60.8	52.1	78.1

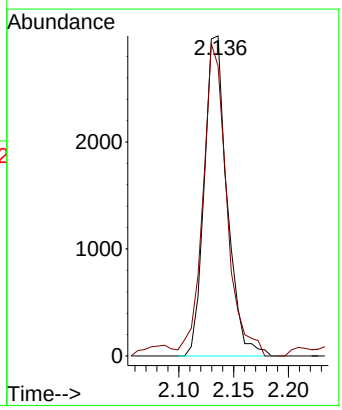


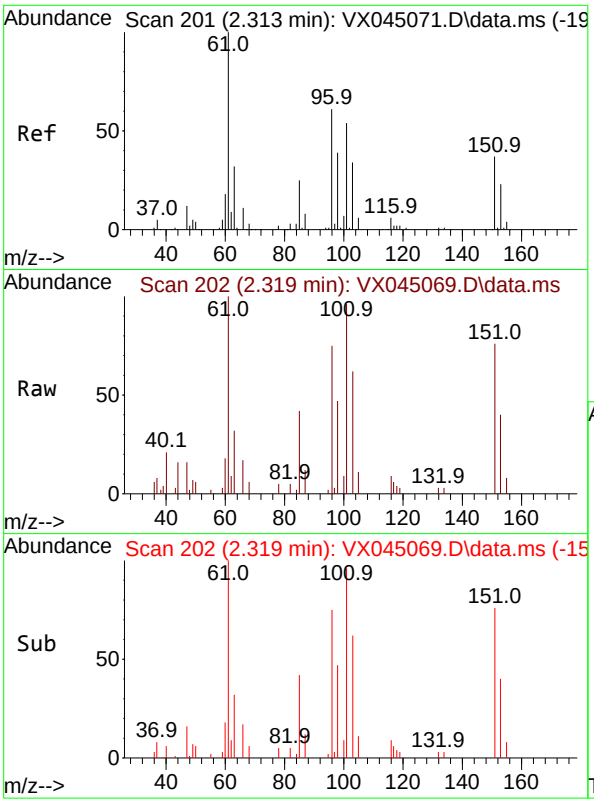


#8
Diethyl Ether
Concen: 5.268 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 74 Resp: 4314

Ion	Ratio	Lower	Upper
74	100		
45	101.9	51.5	154.5



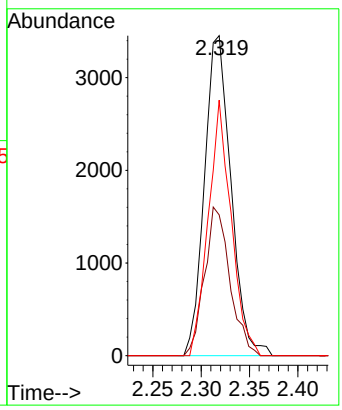


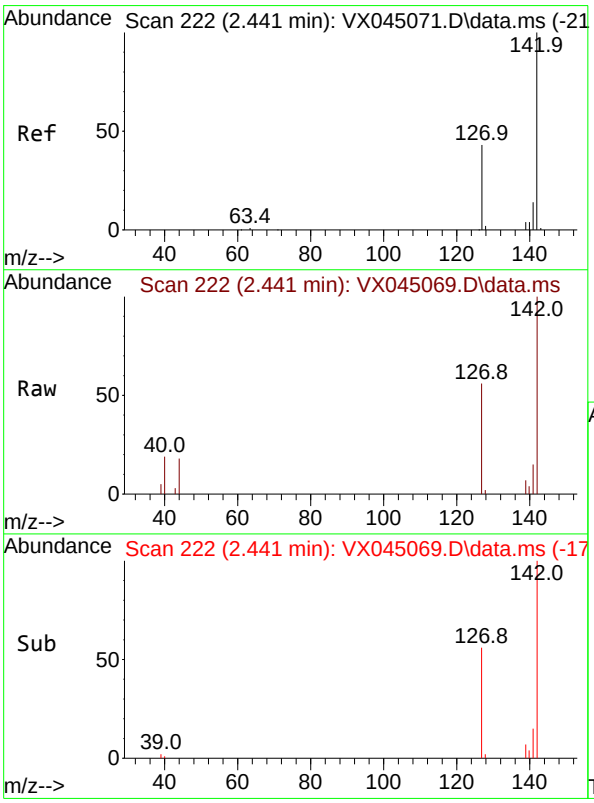
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.894 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

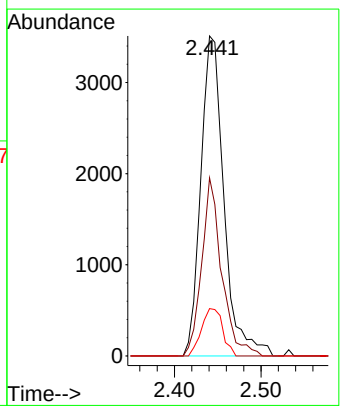


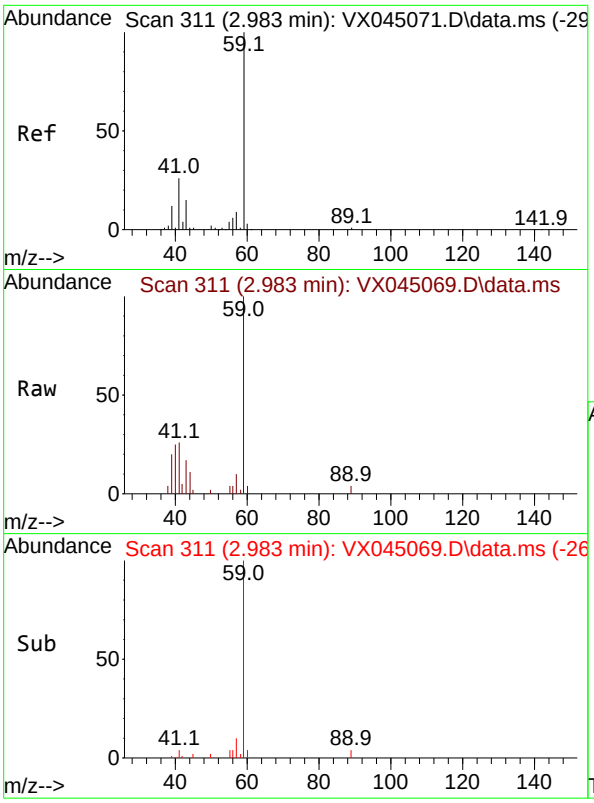


#10
Methyl Iodide
Concen: 3.780 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



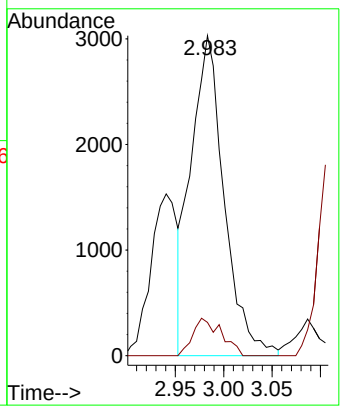


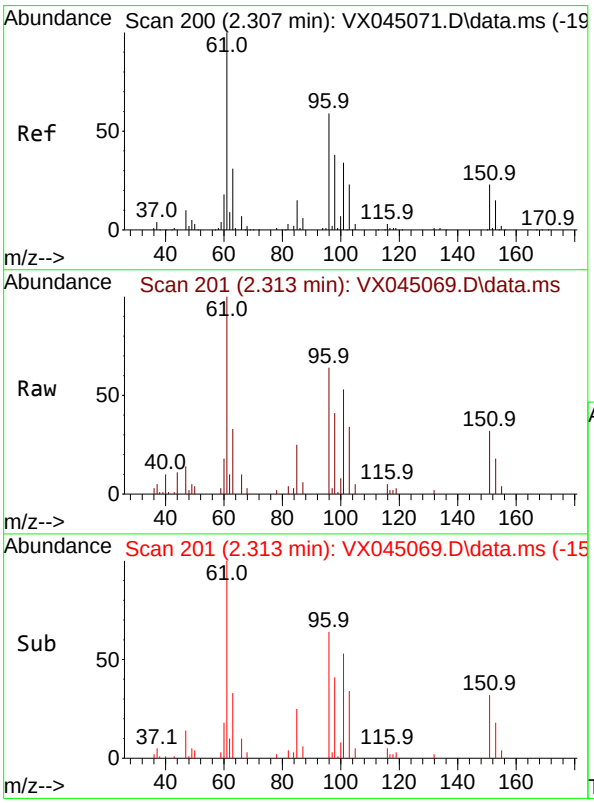
#11
Tert butyl alcohol
Concen: 24.859 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 7224

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8

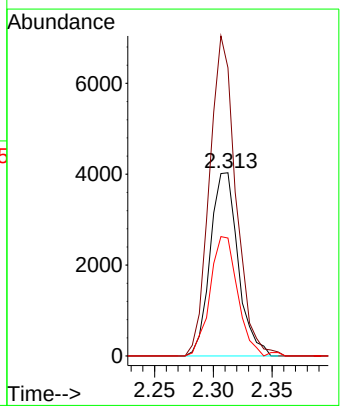


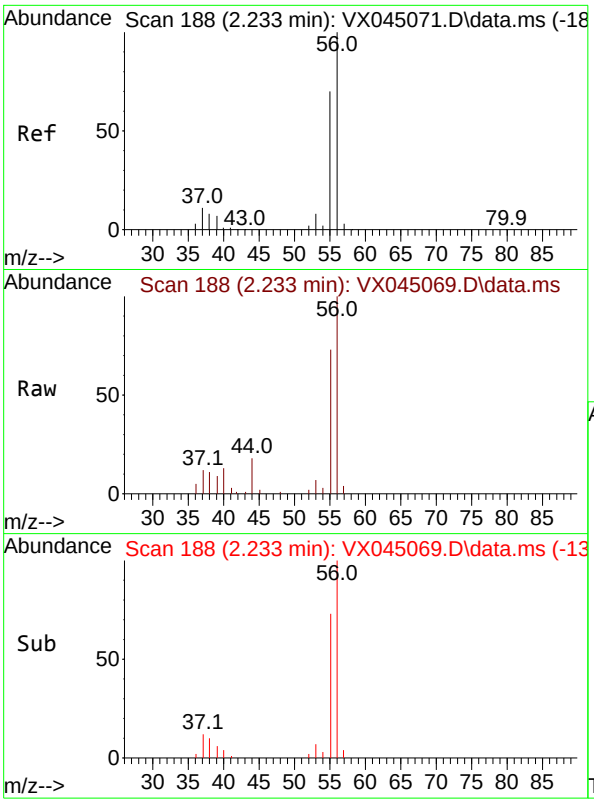


#12
1,1-Dichloroethene
Concen: 4.819 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



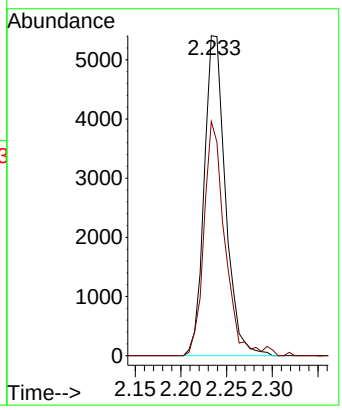


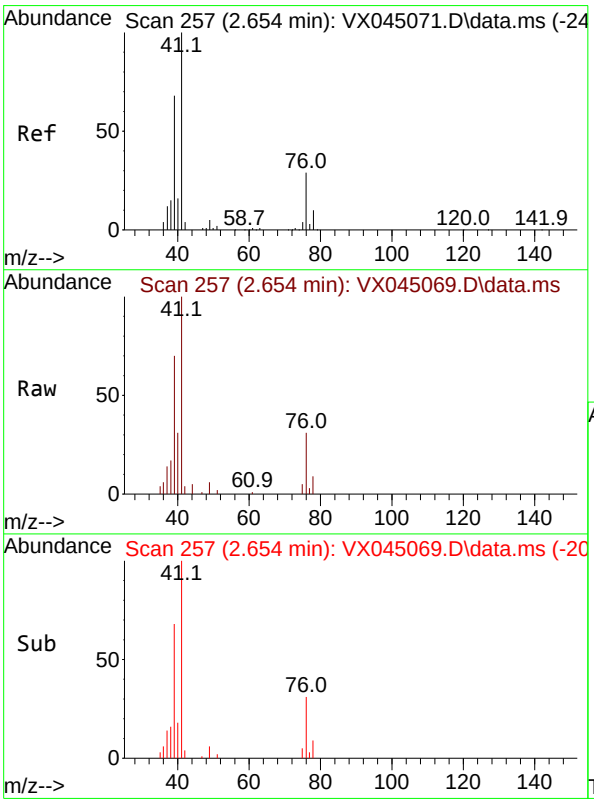
#13
Acrolein
Concen: 27.725 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 8725

Ion	Ratio	Lower	Upper
56	100		
55	72.4	56.2	84.4

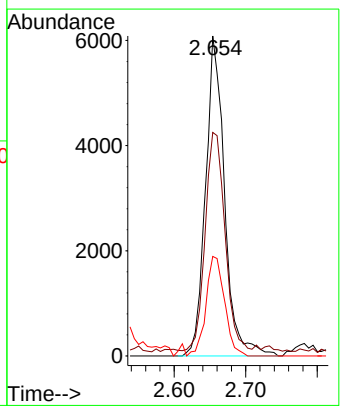


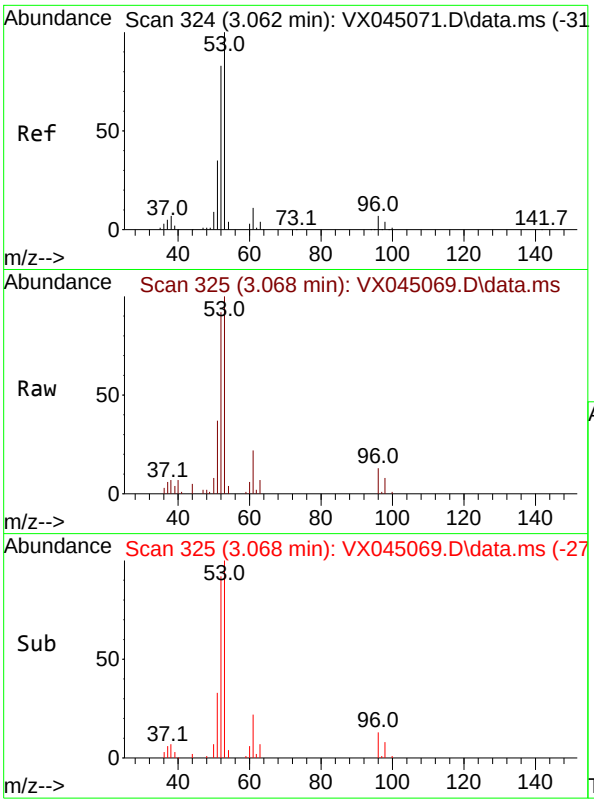


#14
Allyl chloride
Concen: 4.527 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



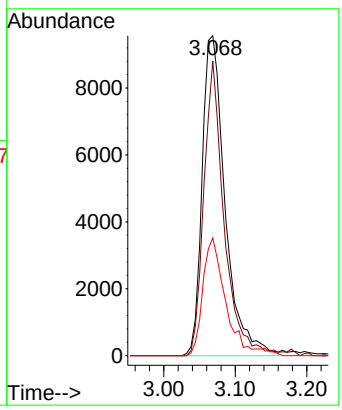


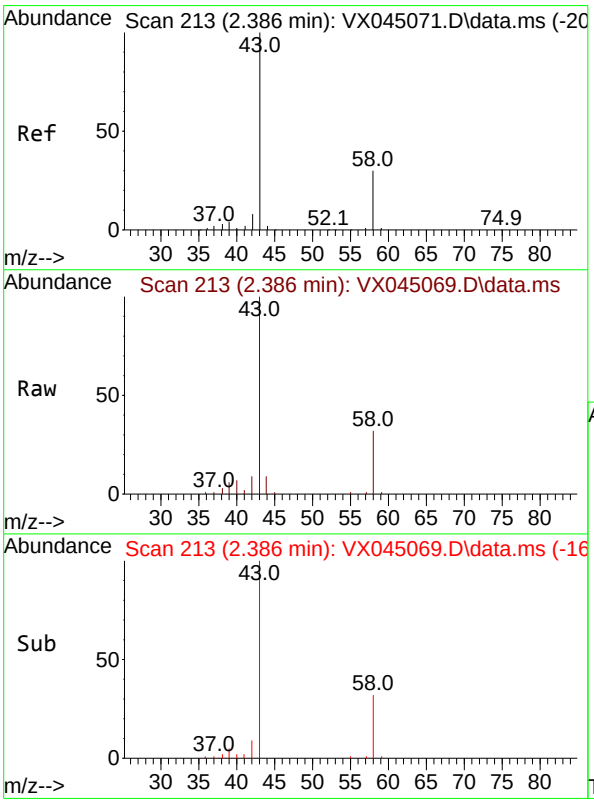
#15
Acrylonitrile
Concen: 27.072 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

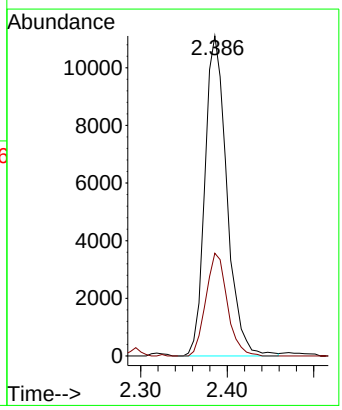


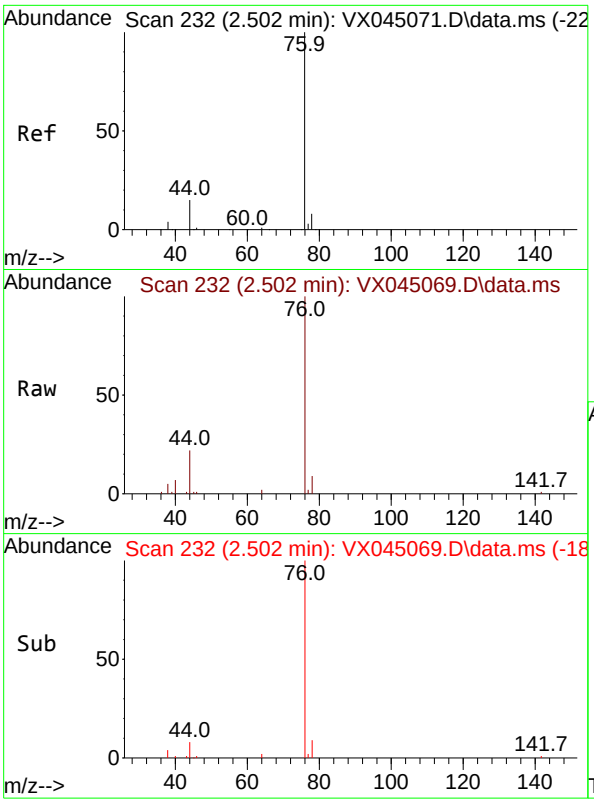


#16
Acetone
Concen: 29.891 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 19512

Ion	Ratio	Lower	Upper
43	100		
58	32.1	24.2	36.4



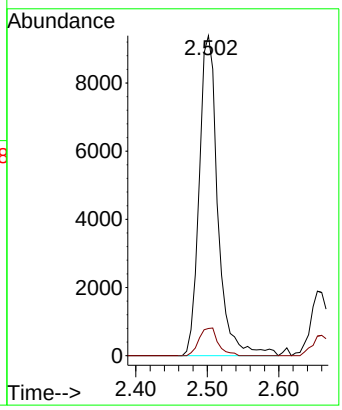


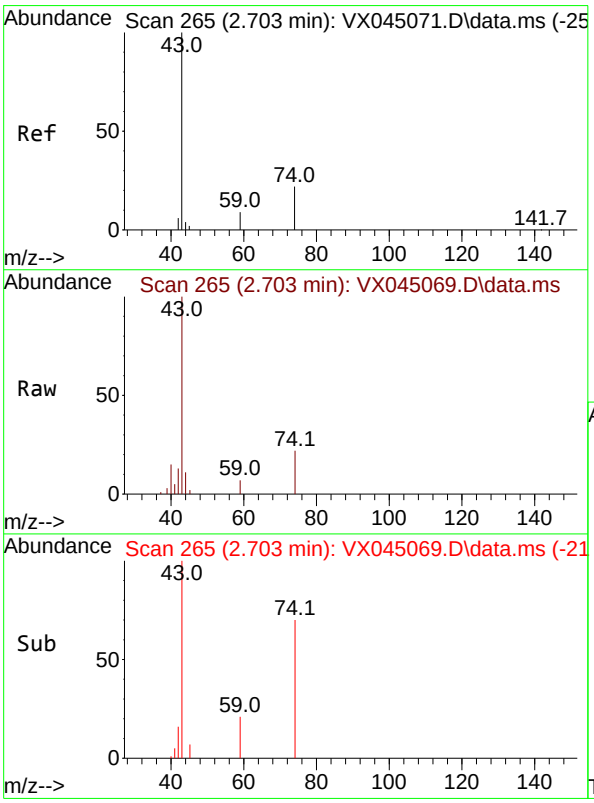
#17
Carbon Disulfide
Concen: 4.518 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 16984

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

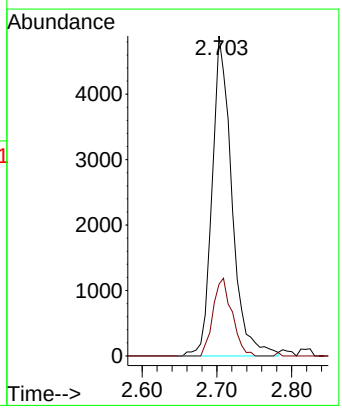


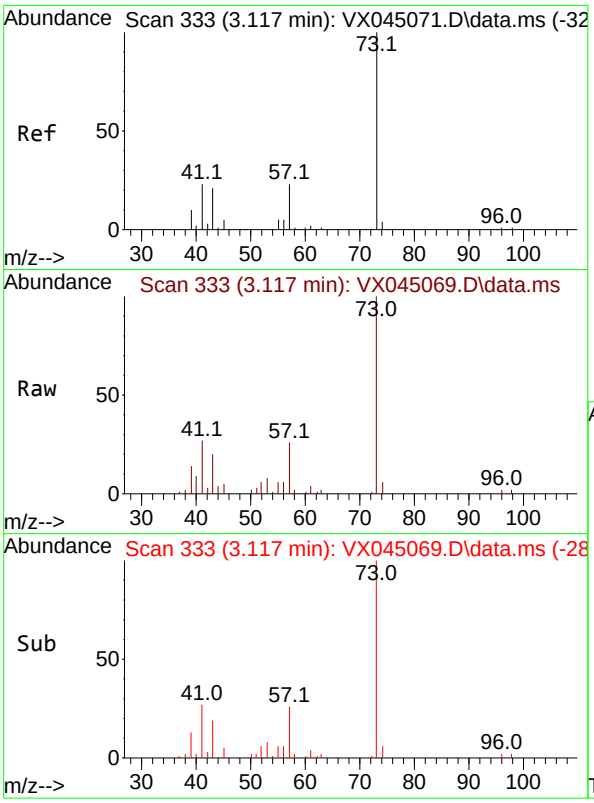


#18
Methyl Acetate
Concen: 4.559 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 43 Resp: 8964

Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.4	26.2



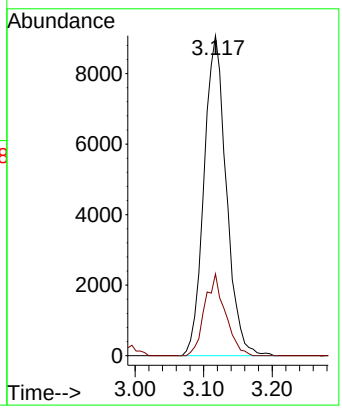


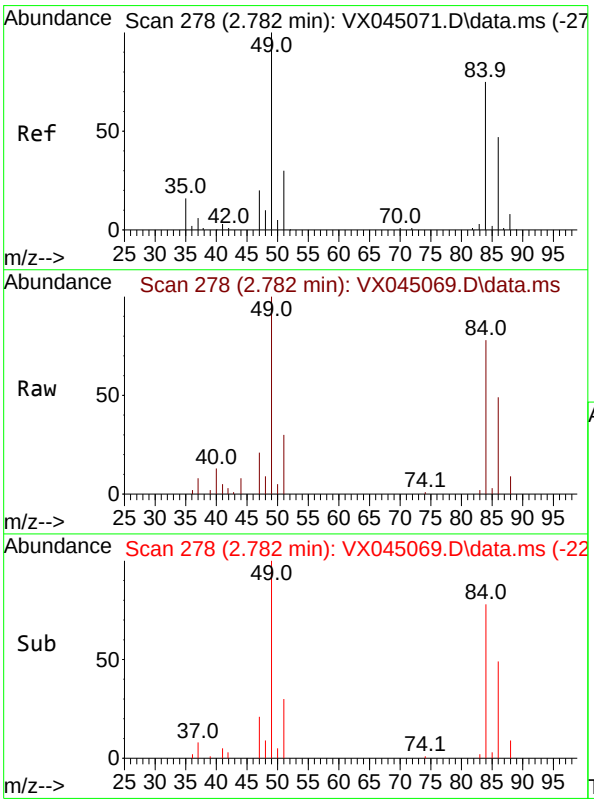
#19
Methyl tert-butyl Ether
Concen: 4.651 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 20546

Ion	Ratio	Lower	Upper
73	100		
57	25.6	18.5	27.7

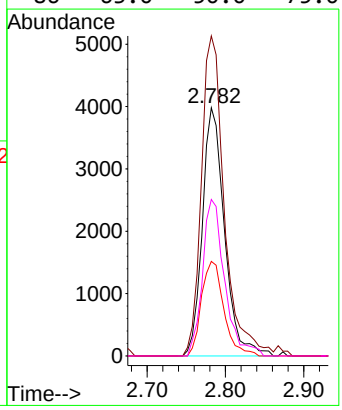


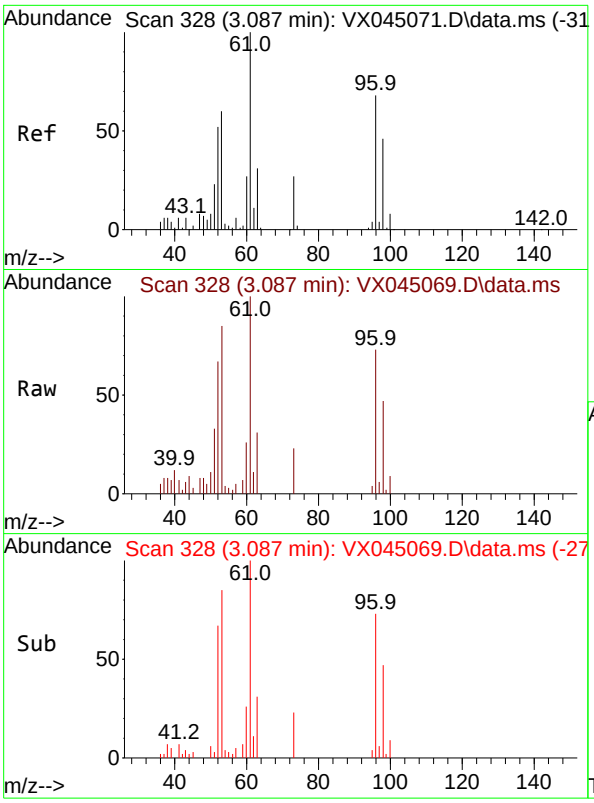


#20
Methylene Chloride
Concen: 5.068 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



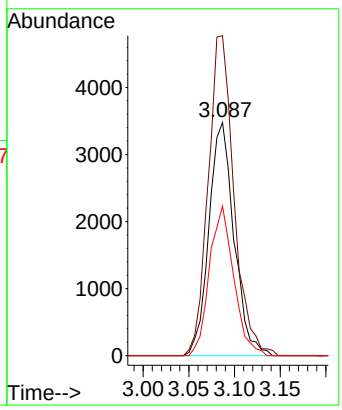


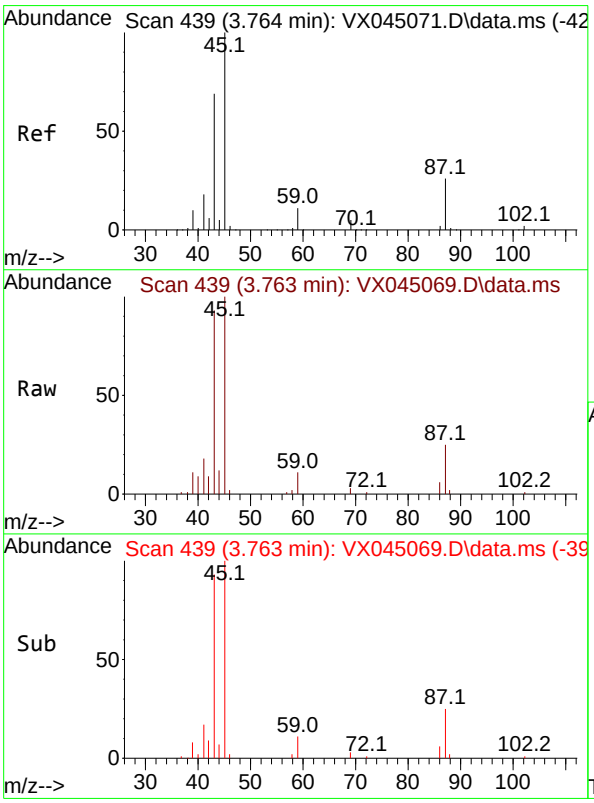
#21
trans-1,2-Dichloroethene
Concen: 4.895 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

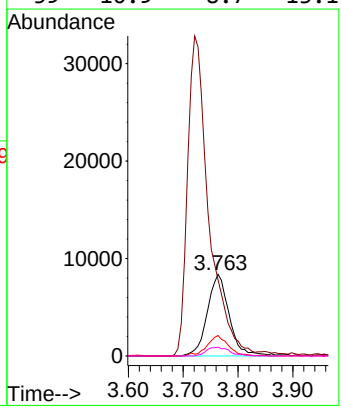


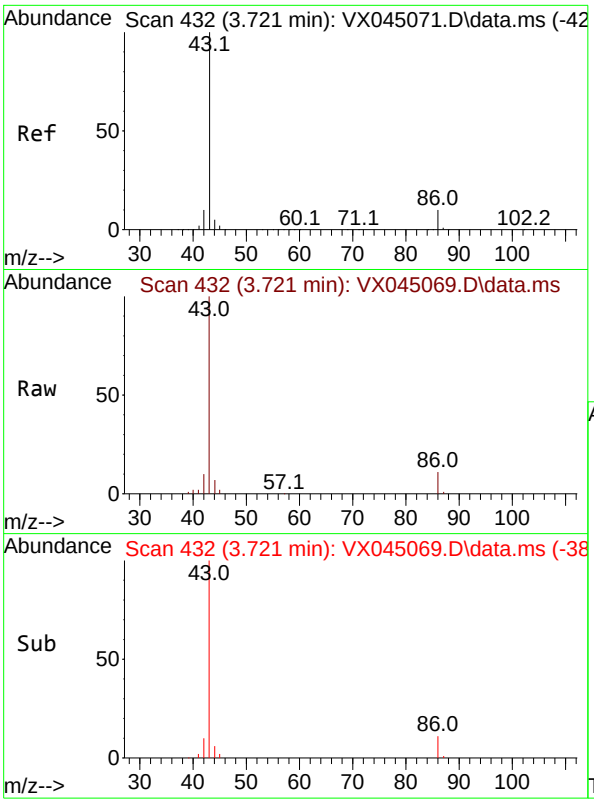


#22
Diisopropyl ether
Concen: 4.875 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



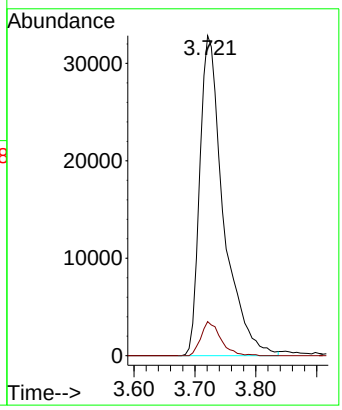


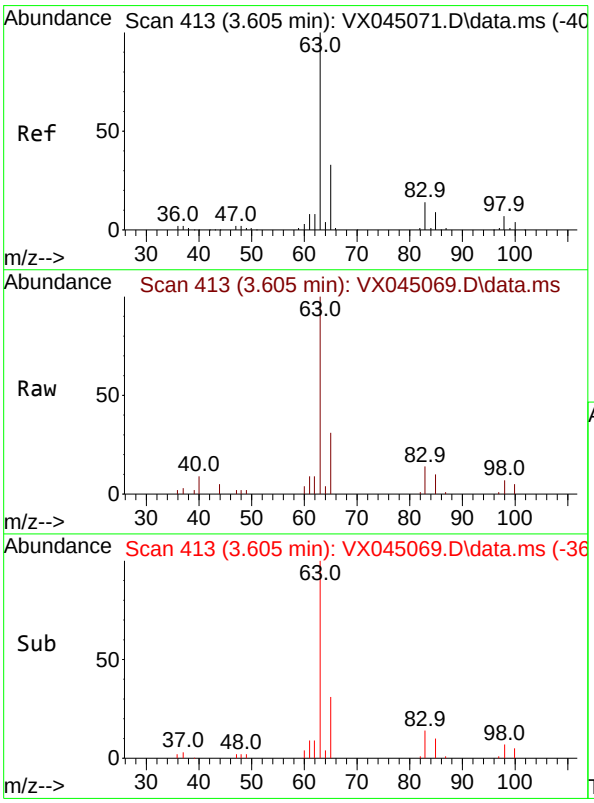
#23
Vinyl Acetate
Concen: 22.788 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 88852

Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.1	12.1

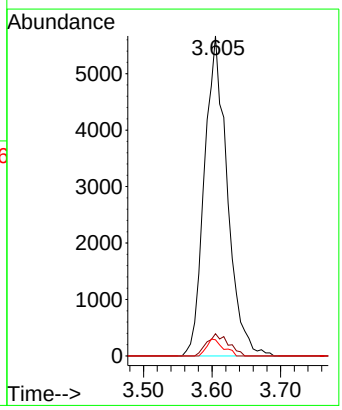


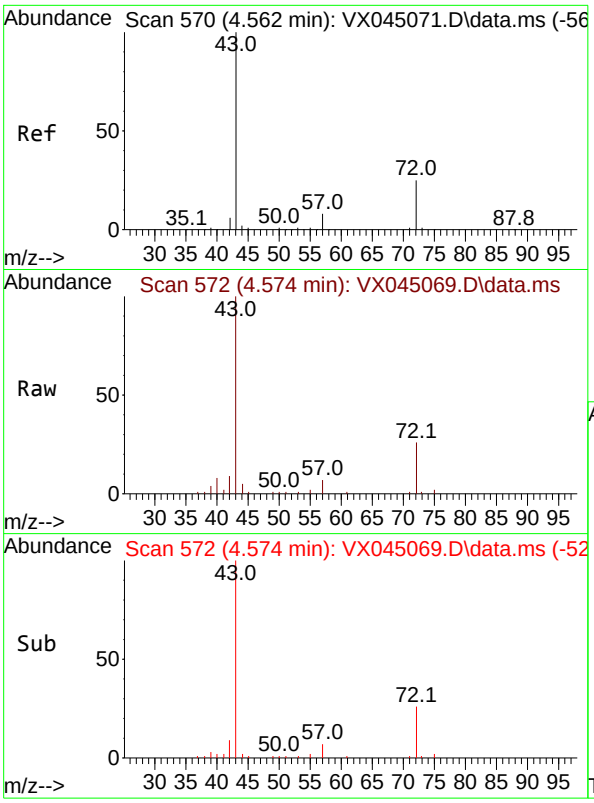


#24
1,1-Dichloroethane
Concen: 4.949 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



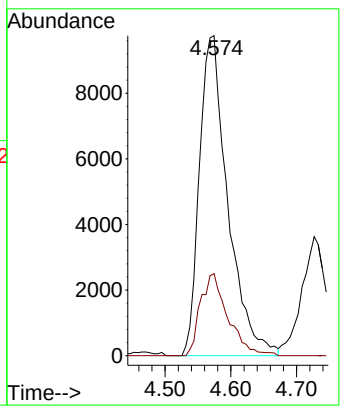


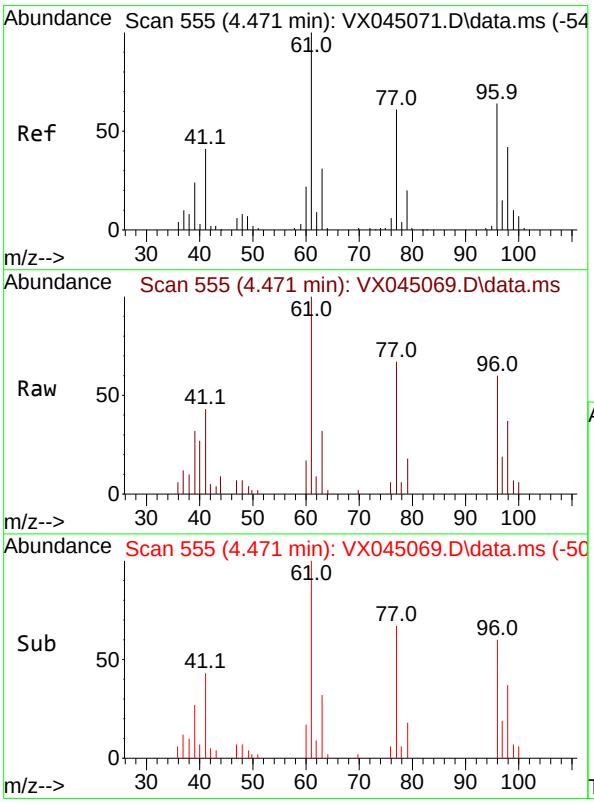
#25
2-Butanone
Concen: 27.819 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 29277

Ion	Ratio	Lower	Upper
43	100		
72	25.7	20.0	30.0

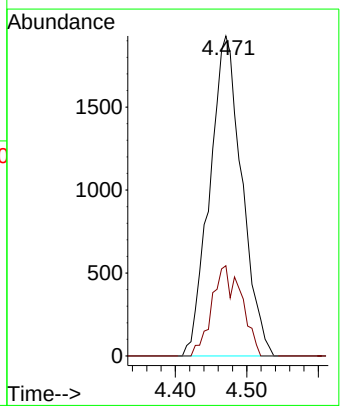


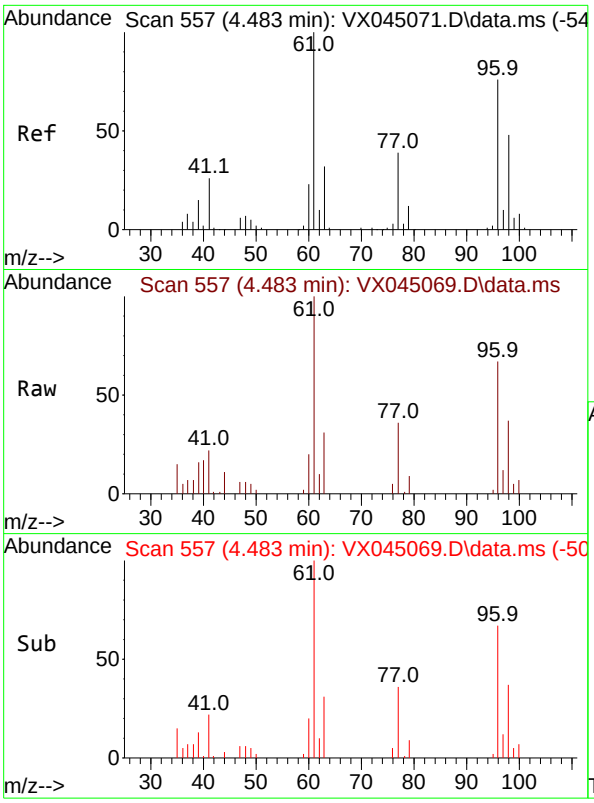


#26
2,2-Dichloropropane
Concen: 3.059 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 77 Resp: 6034

Ion	Ratio	Lower	Upper
77	100		
97	26.0	12.4	37.0



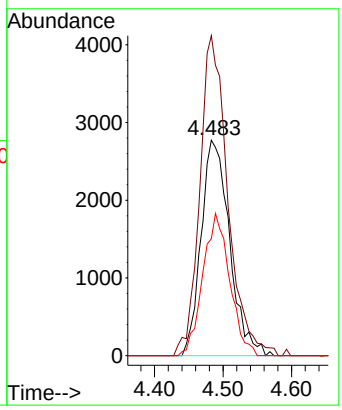


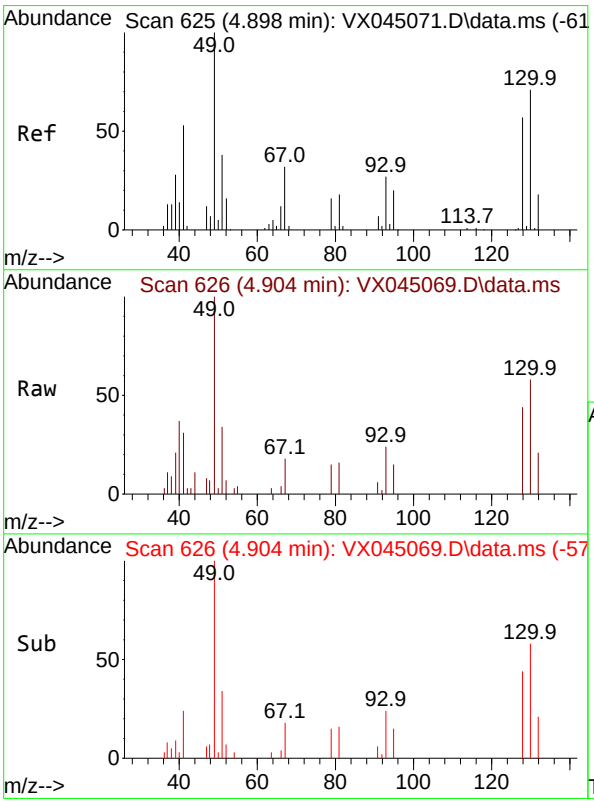
#27
cis-1,2-Dichloroethene
Concen: 4.892 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

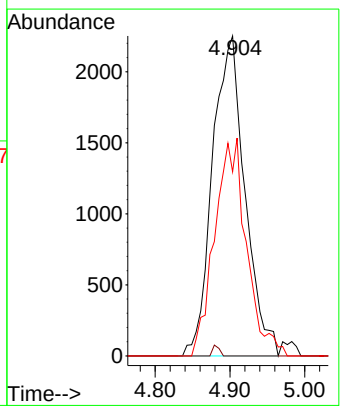


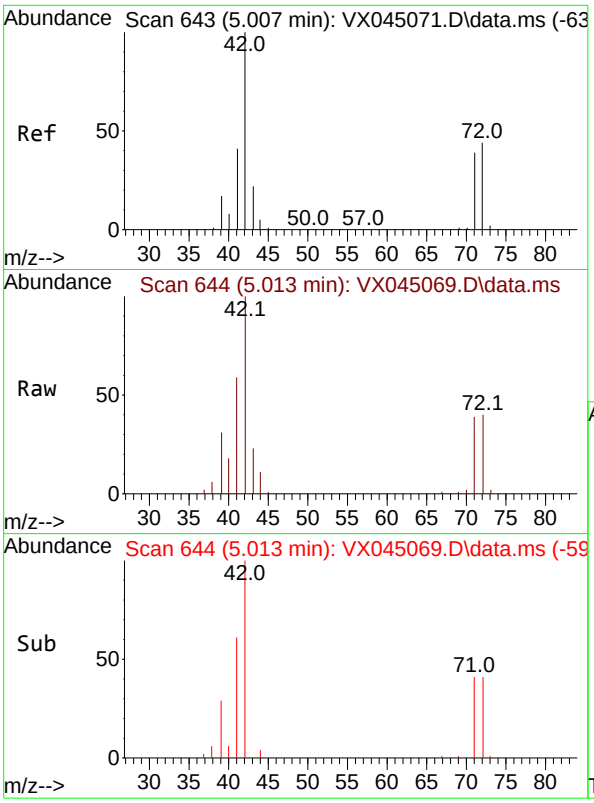


#28
Bromochloromethane
Concen: 5.311 ug/l
RT: 4.904 min Scan# 626
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



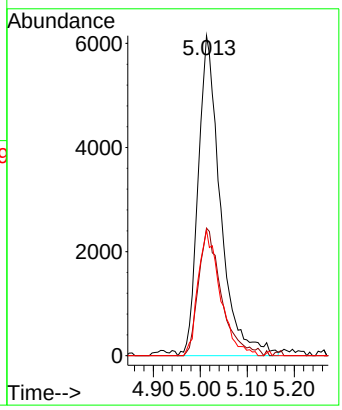


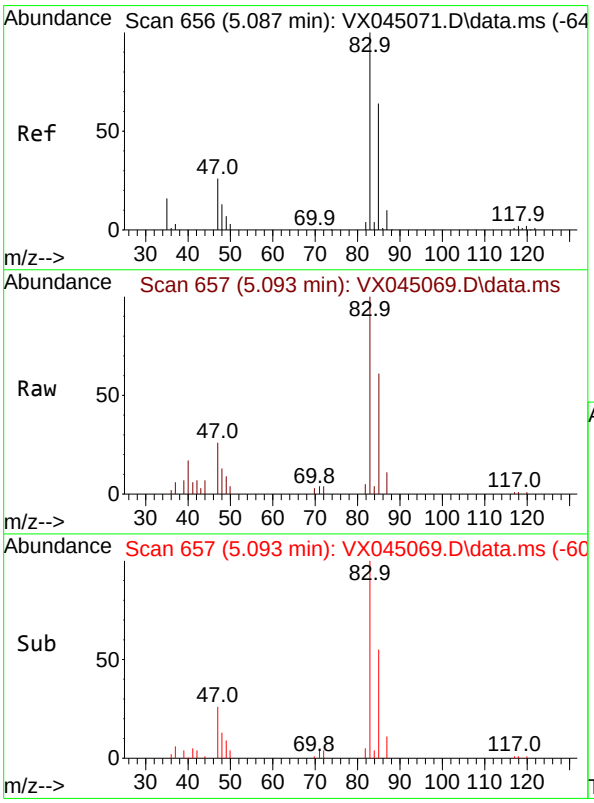
#29
Tetrahydrofuran
Concen: 28.950 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

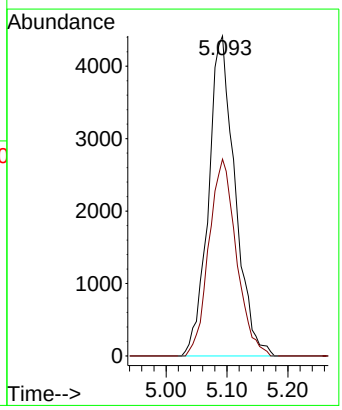


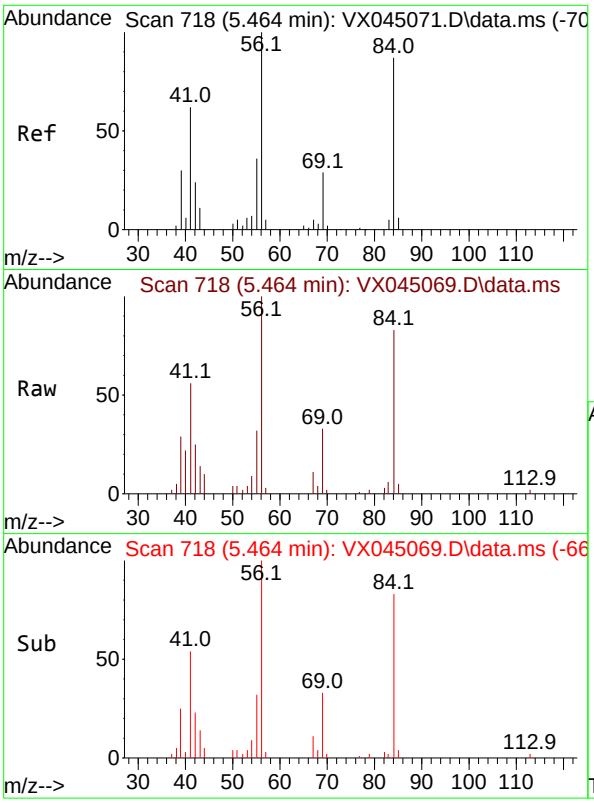


#30
Chloroform
Concen: 5.159 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 83 Resp: 13390

Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.4	77.2



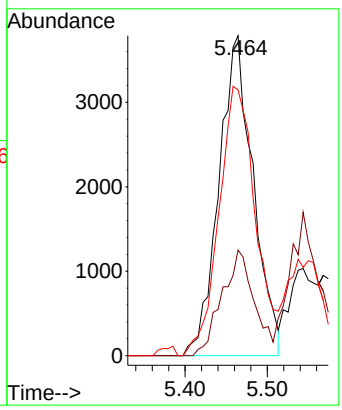


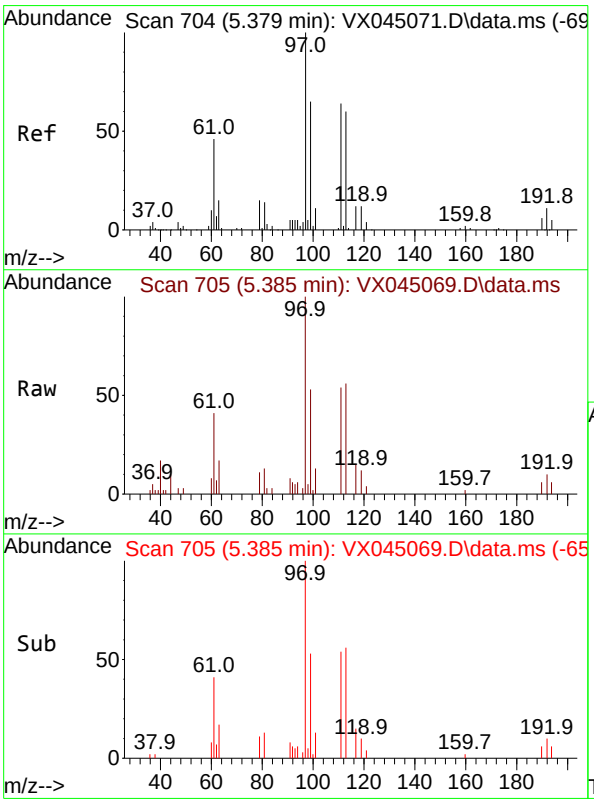
#31
Cyclohexane
Concen: 4.504 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

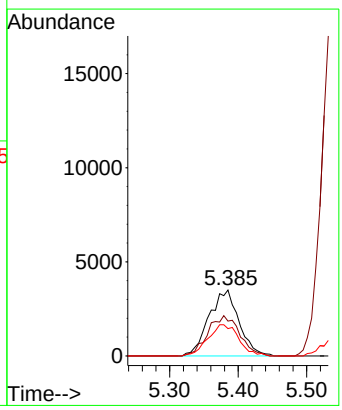


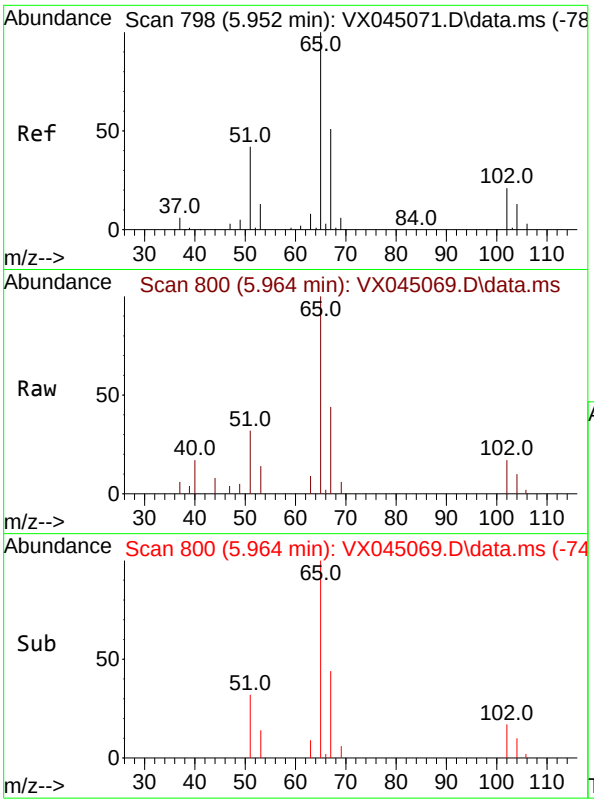


#32
1,1,1-Trichloroethane
Concen: 4.876 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



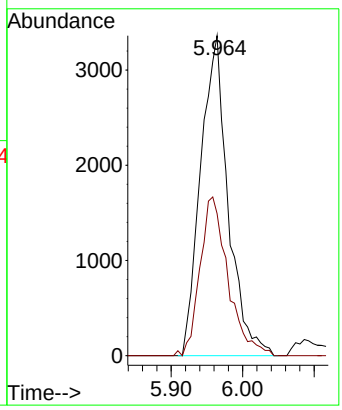


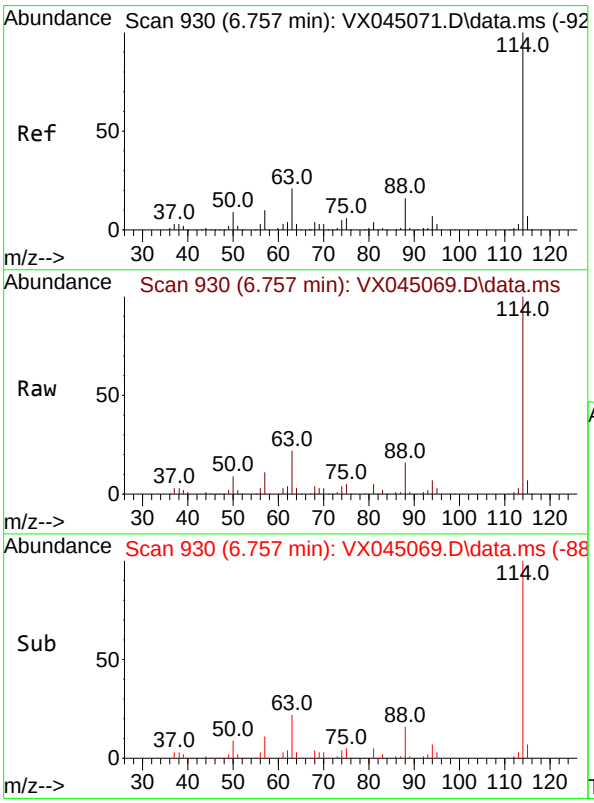
#33
1,2-Dichloroethane-d4
Concen: 5.659 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 8978

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	106.2

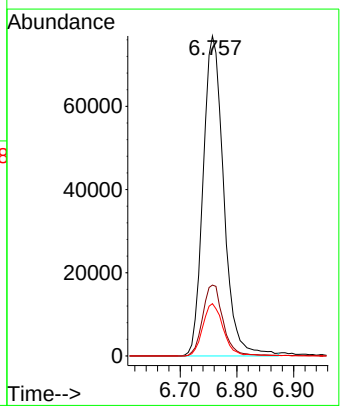


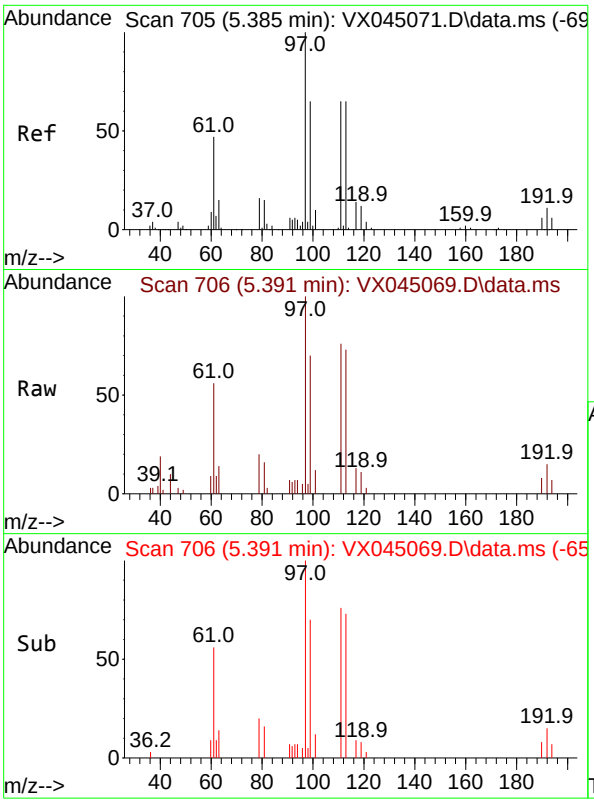


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



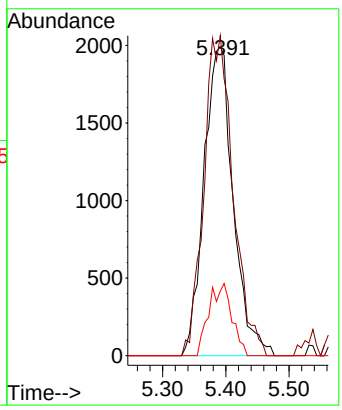


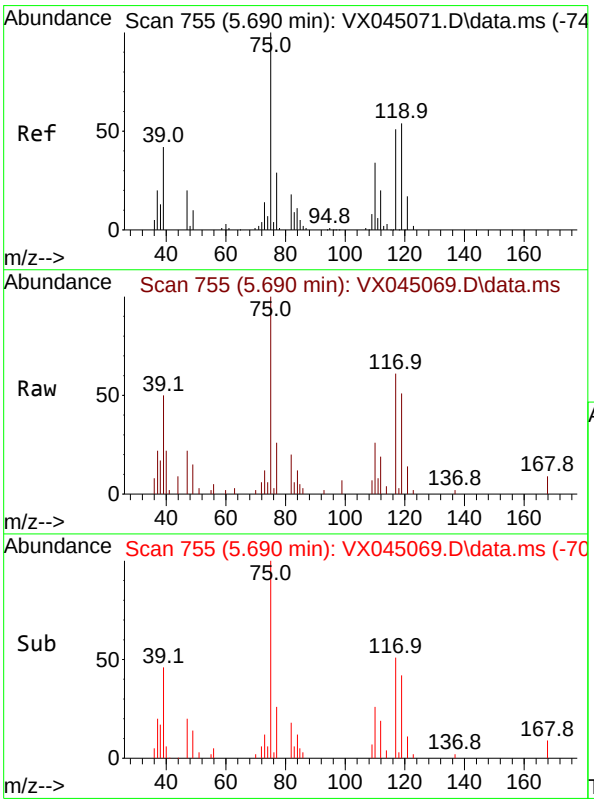
#35
Dibromofluoromethane
Concen: 5.039 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

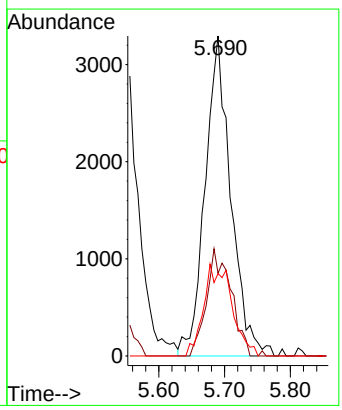


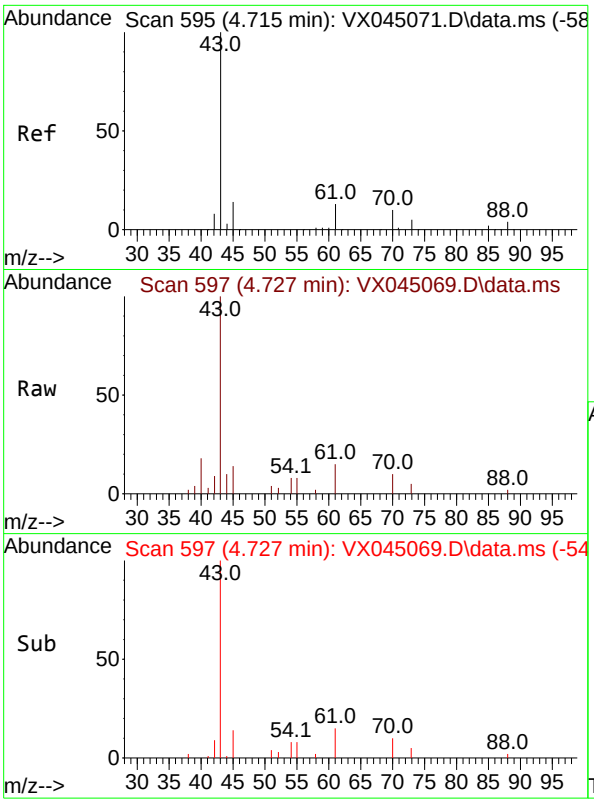


#36
1,1-Dichloropropene
Concen: 4.917 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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#



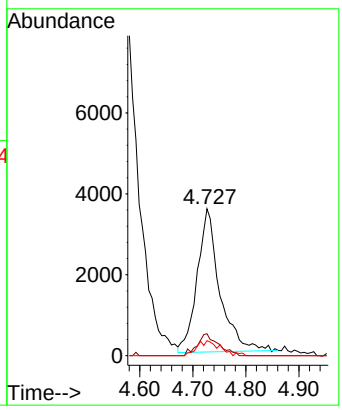


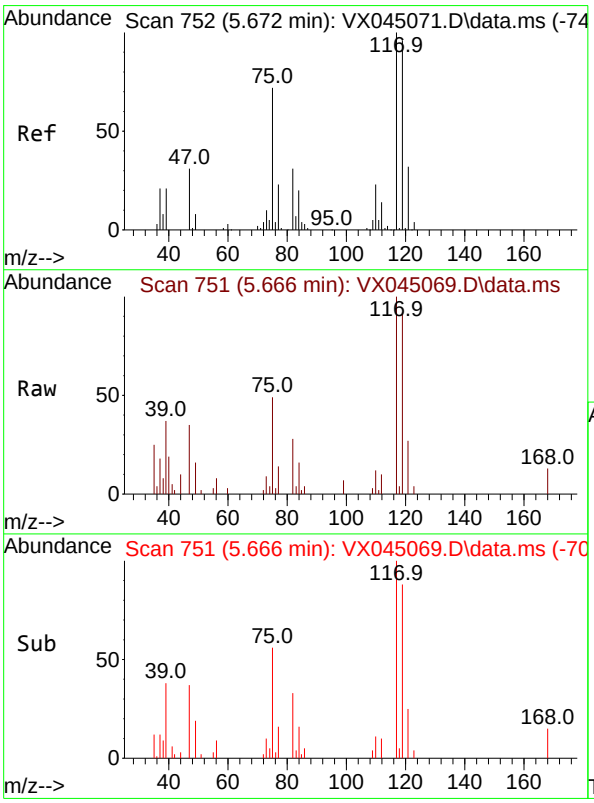
#37
Ethyl Acetate
Concen: 5.035 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

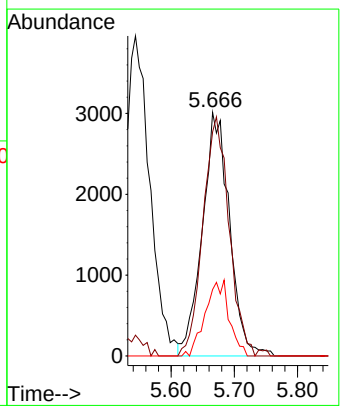


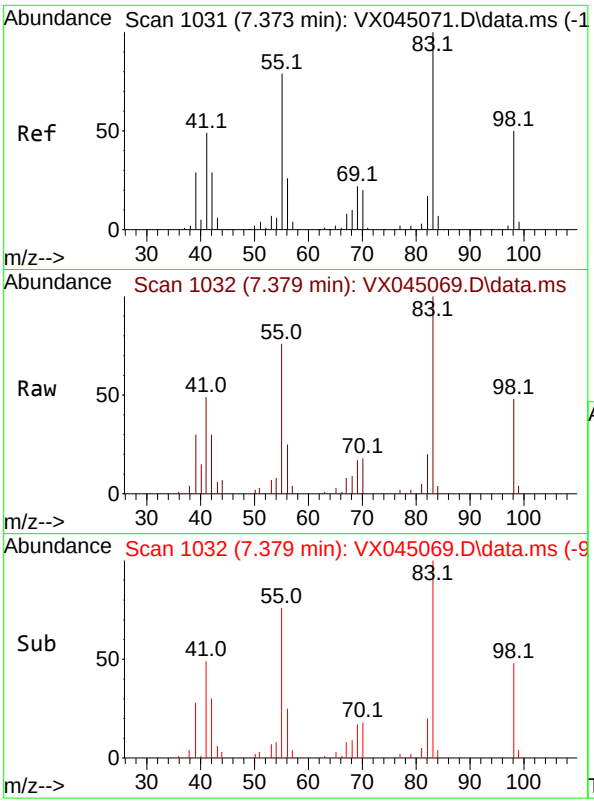


#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



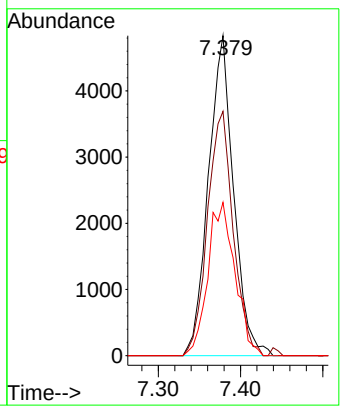


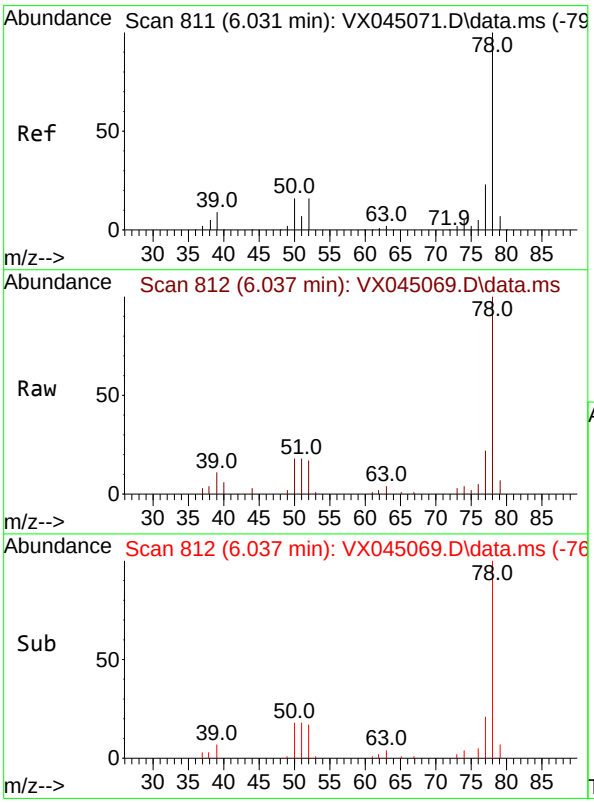
#39
Methylcyclohexane
Concen: 4.414 ug/l
RT: 7.379 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

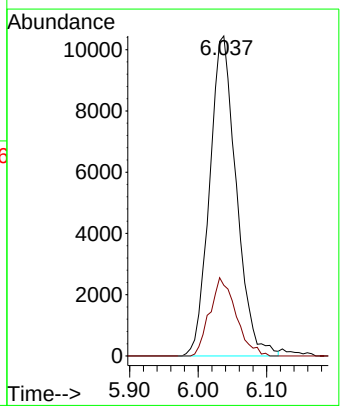


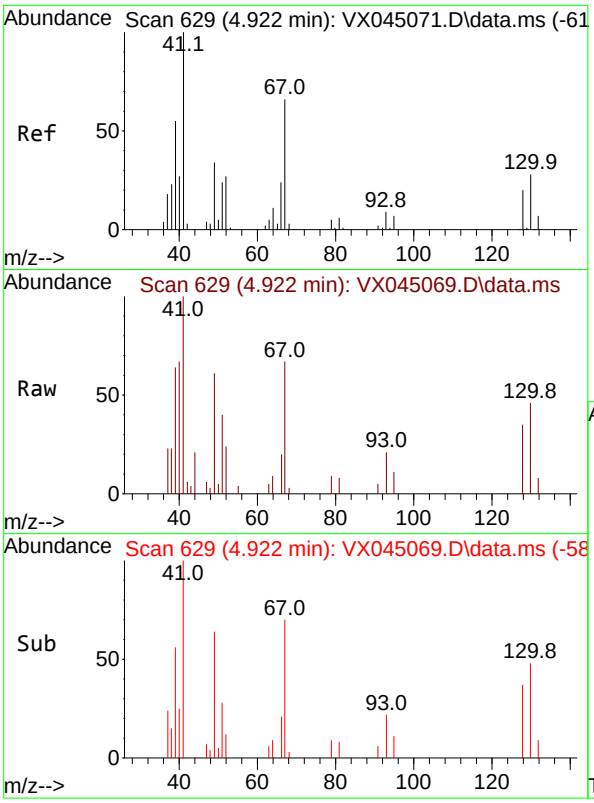


#40
Benzene
Concen: 4.966 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 78 Resp: 28339

Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.8	28.2



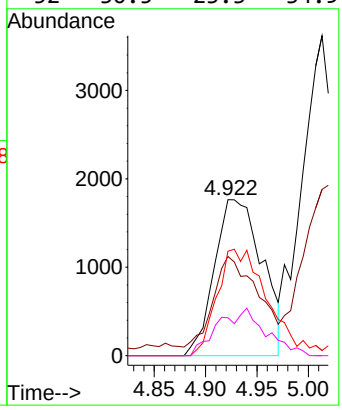


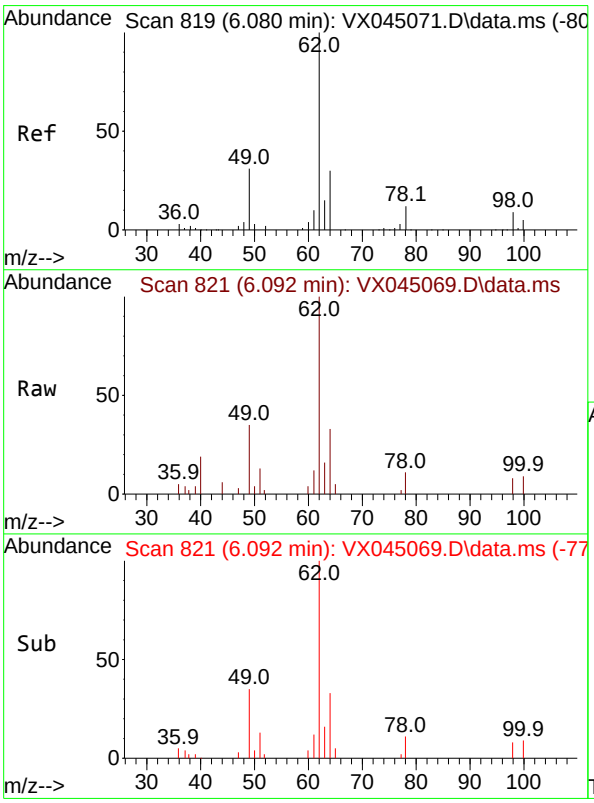
#41
Methacrylonitrile
Concen: 5.136 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

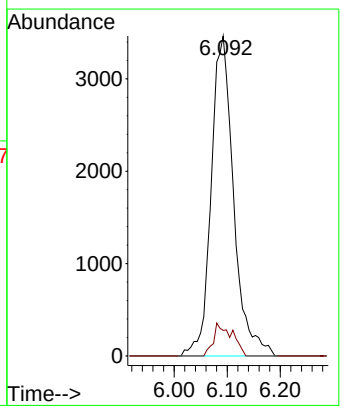


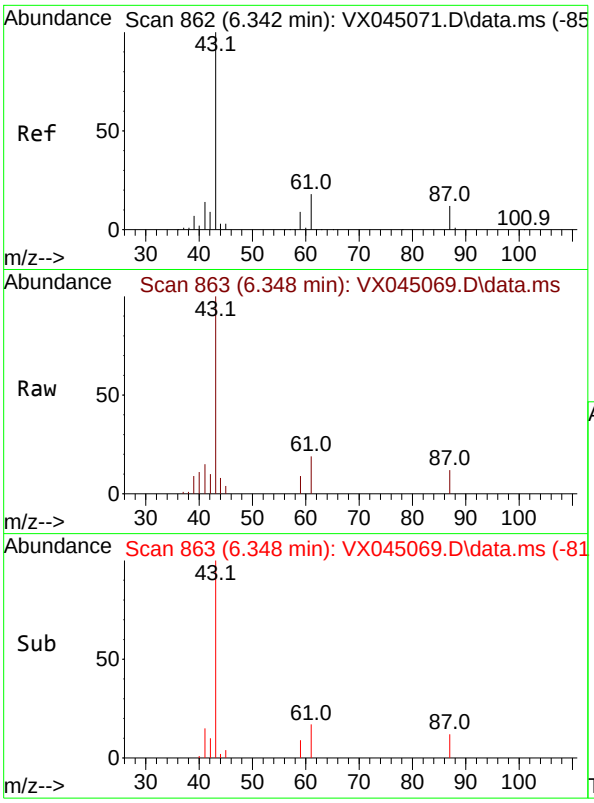


#42
1,2-Dichloroethane
Concen: 5.510 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 62 Resp: 10189

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



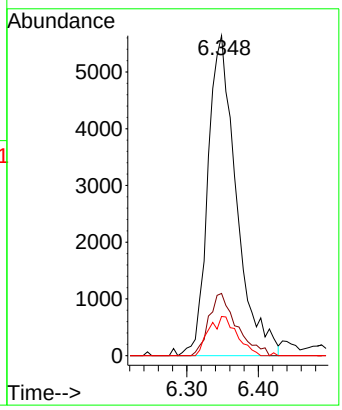


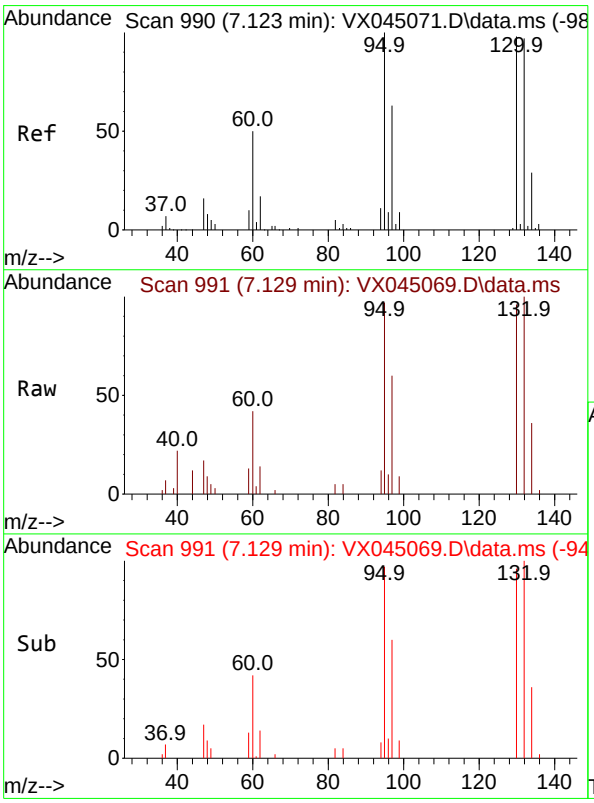
#43
Isopropyl Acetate
Concen: 4.700 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

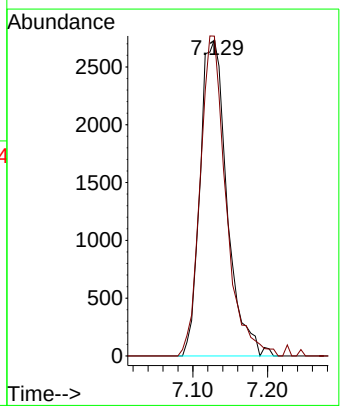


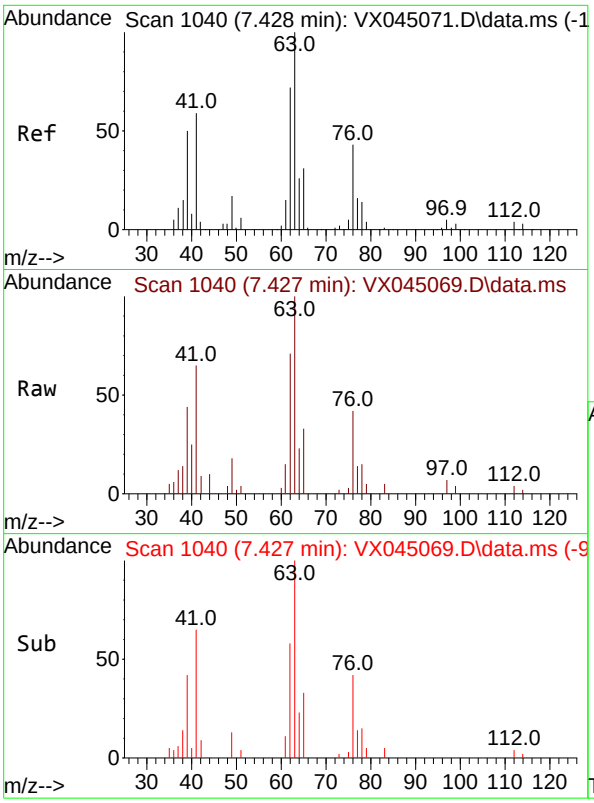


#44
Trichloroethene
Concen: 5.234 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:130 Resp: 6827

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.0



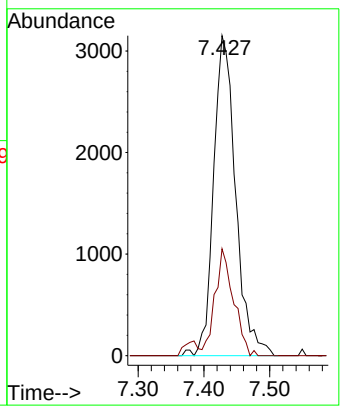


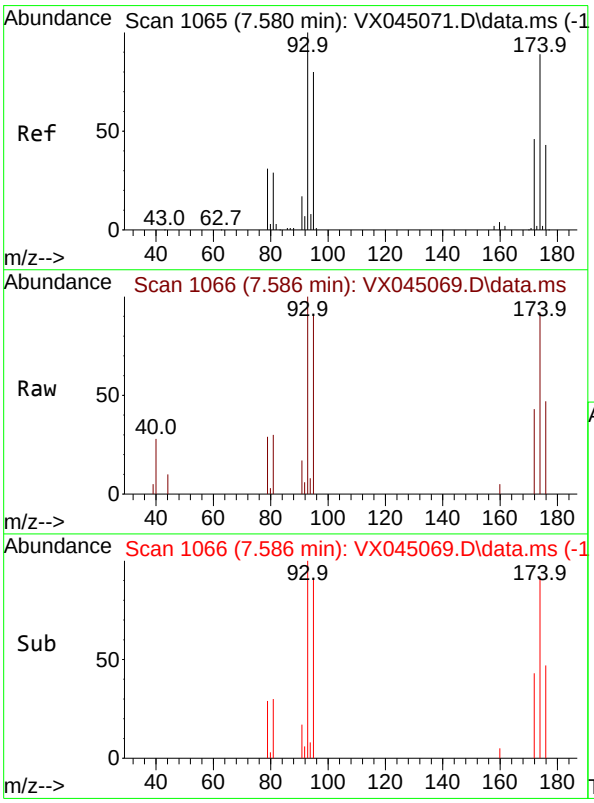
#45
1,2-Dichloropropane
Concen: 5.177 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 7342

Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.7	37.1

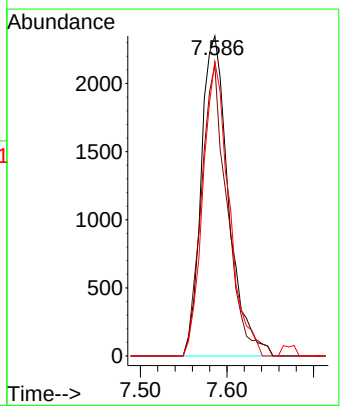


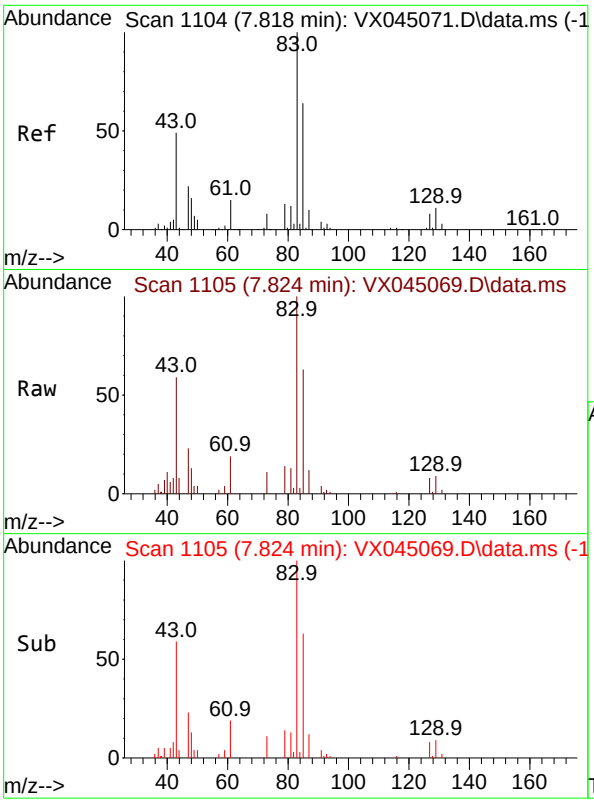


#46
Dibromomethane
Concen: 5.195 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



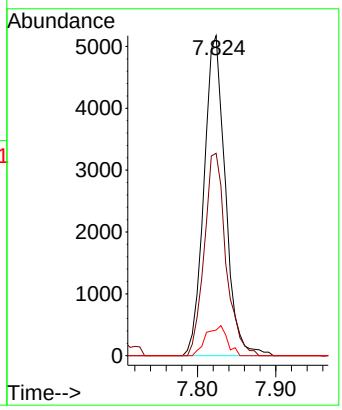


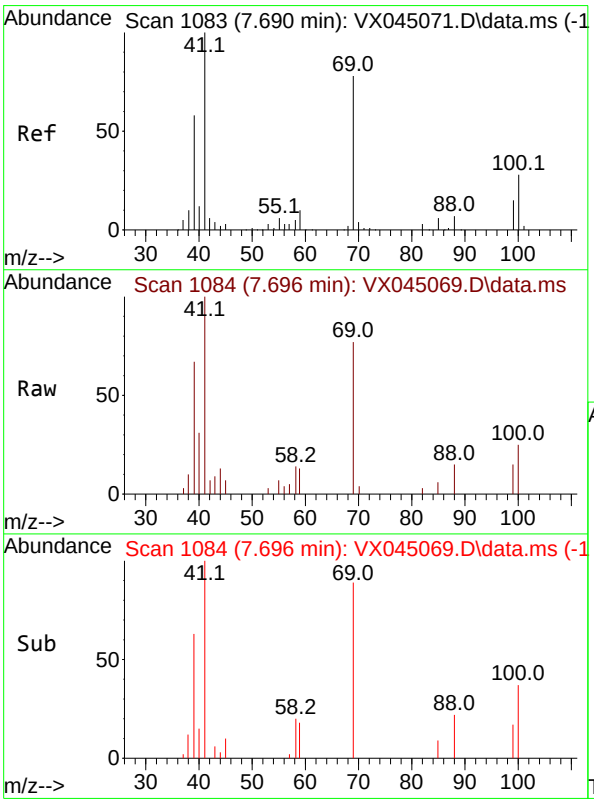
#47
Bromodichloromethane
Concen: 5.100 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

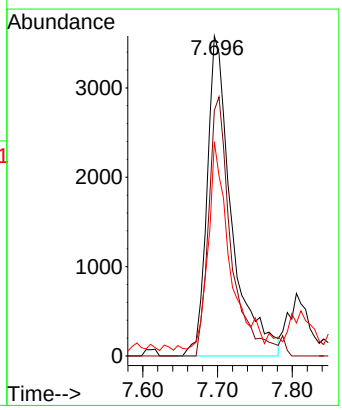


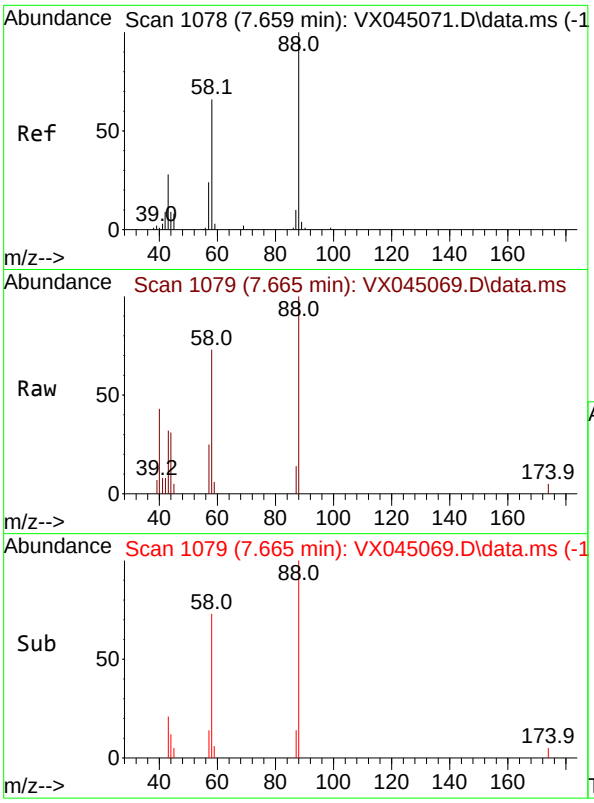


#48
Methyl methacrylate
Concen: 5.224 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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





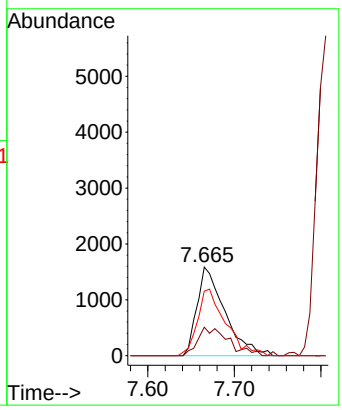
#49
1,4-Dioxane
Concen: 105.826 ug/l
RT: 7.665 min Scan# 1

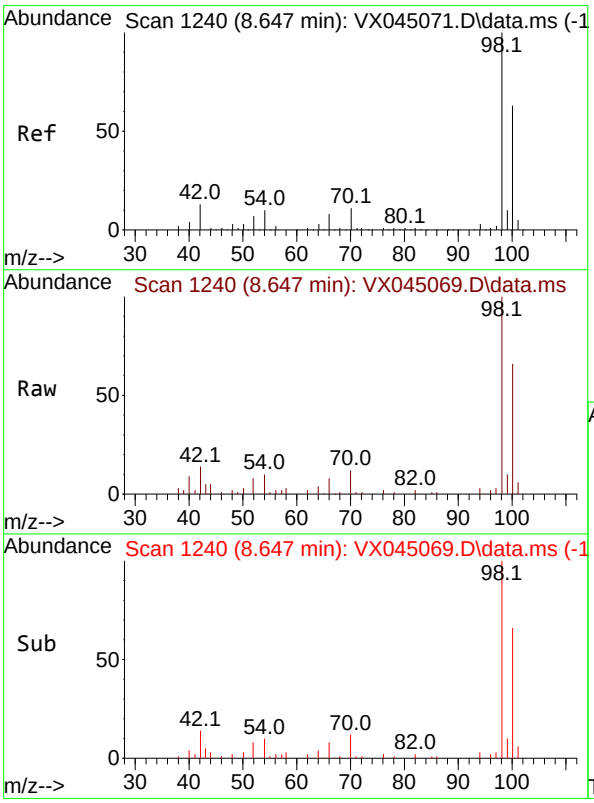
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

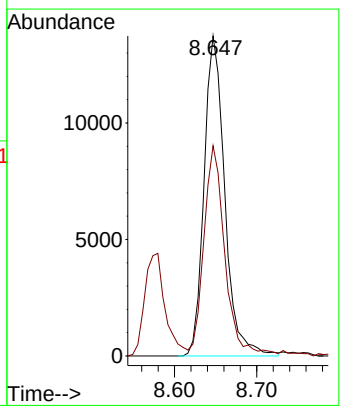


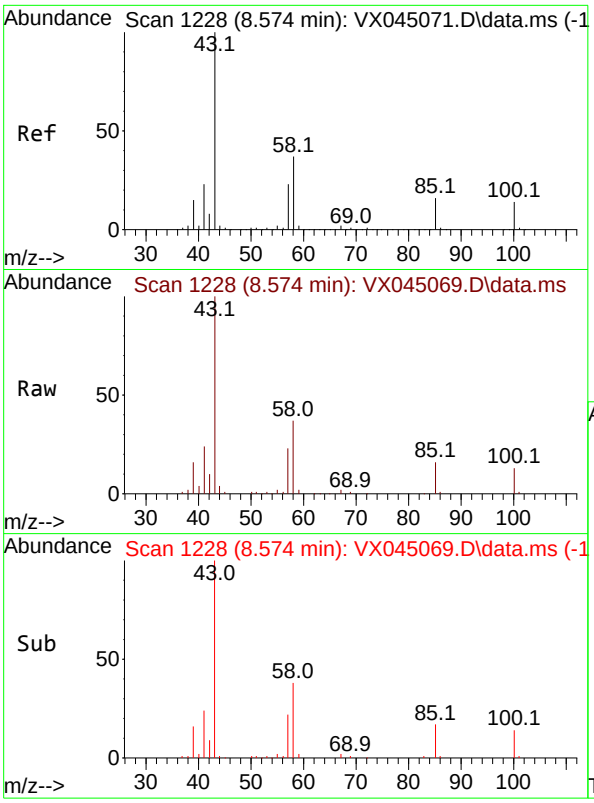


#50
Toluene-d8
Concen: 5.057 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 98 Resp: 24037

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0



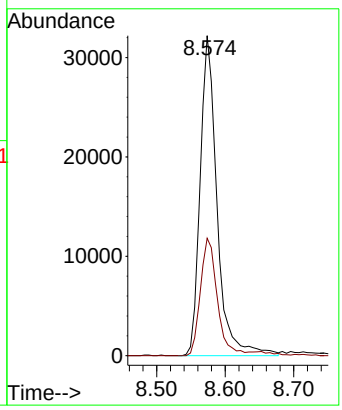


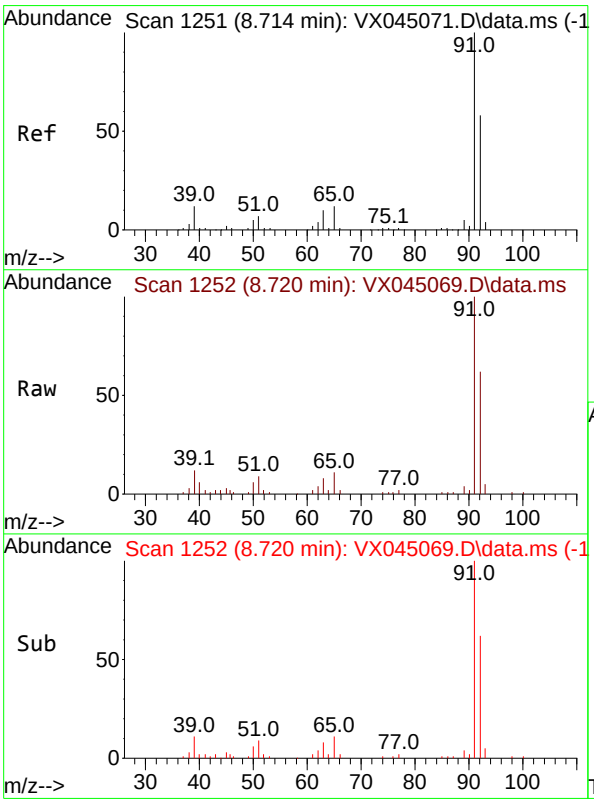
#51
4-Methyl-2-Pentanone
Concen: 27.303 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 55320

Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.2	43.8

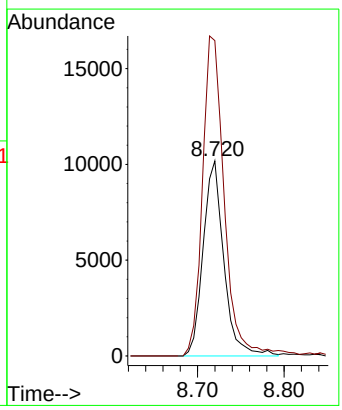


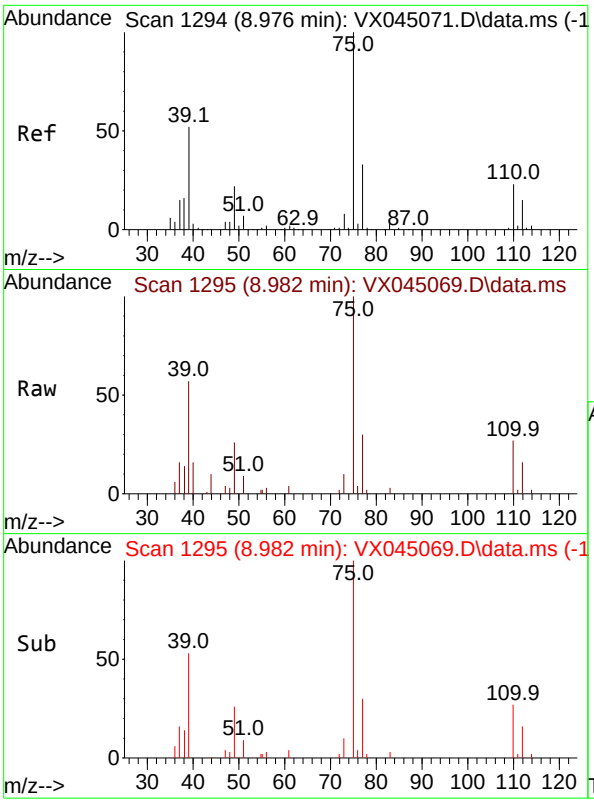


#52
Toluene
Concen: 4.997 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 92 Resp: 16933

Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.9	208.3



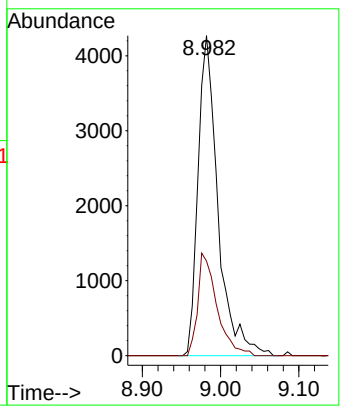


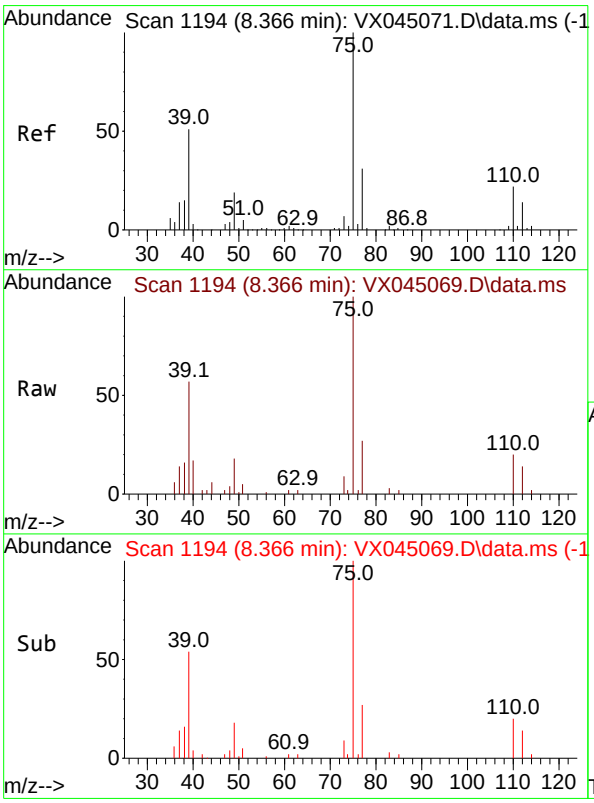
#53
t-1,3-Dichloropropene
Concen: 3.985 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 7548

Ion	Ratio	Lower	Upper
75	100		
77	29.6	26.5	39.7

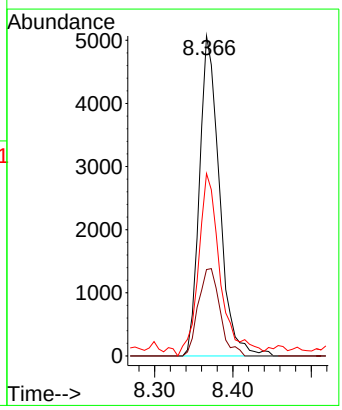


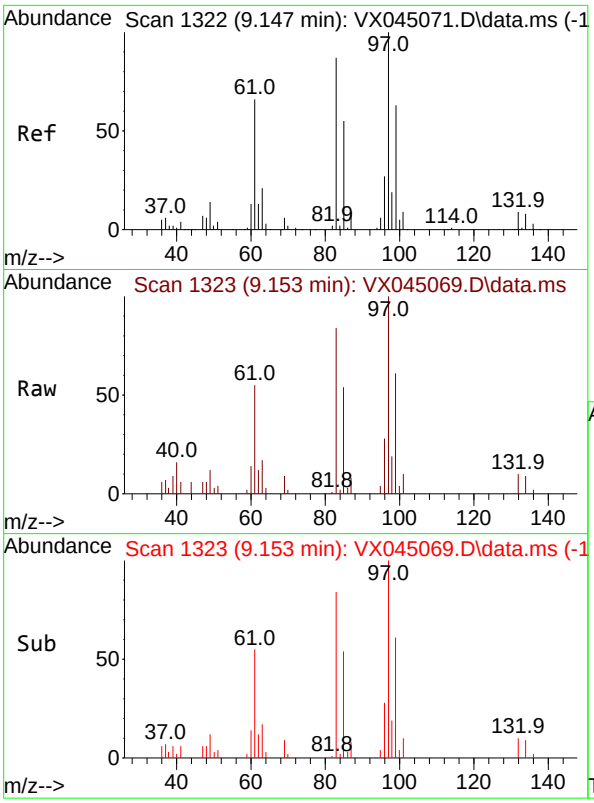


#54
cis-1,3-Dichloropropene
Concen: 4.244 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



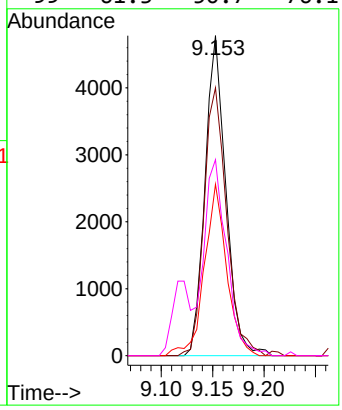


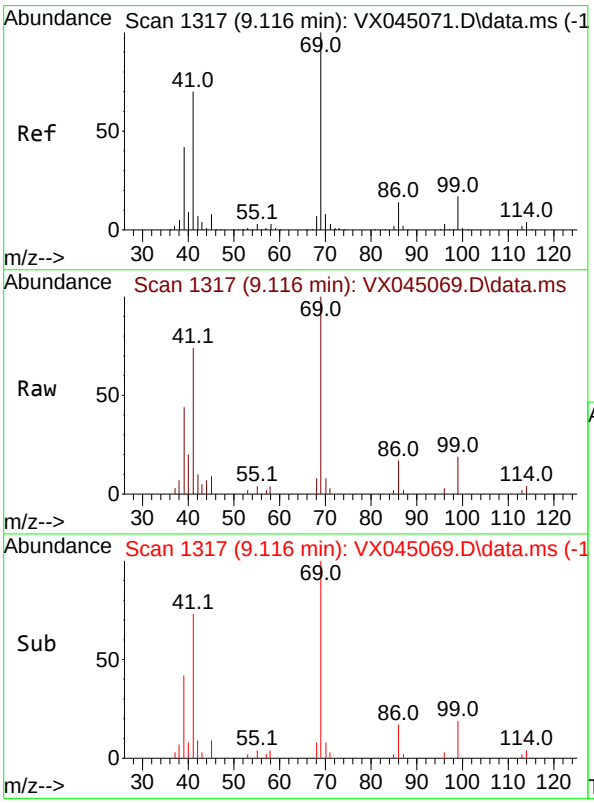
#55
1,1,2-Trichloroethane
Concen: 5.151 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

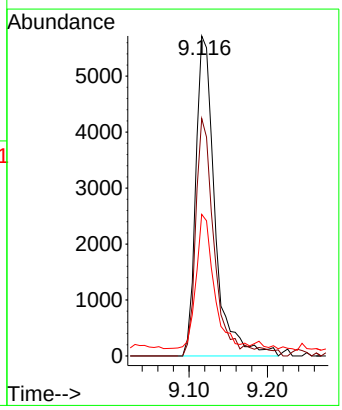


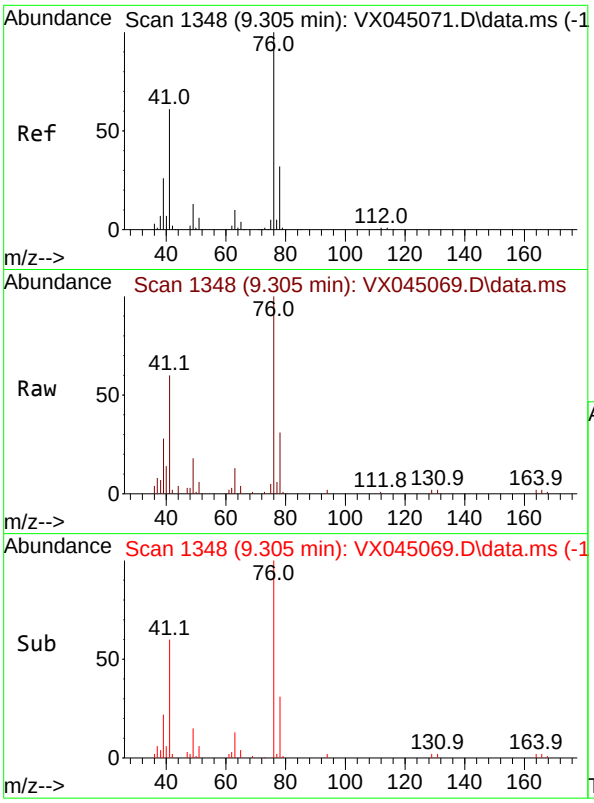


#56
Ethyl methacrylate
Concen: 4.628 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



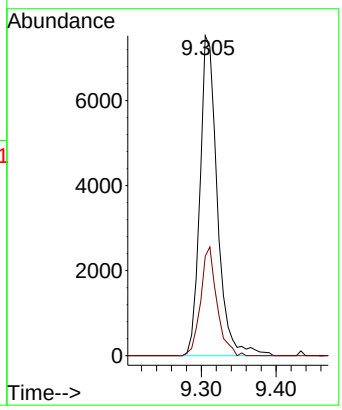


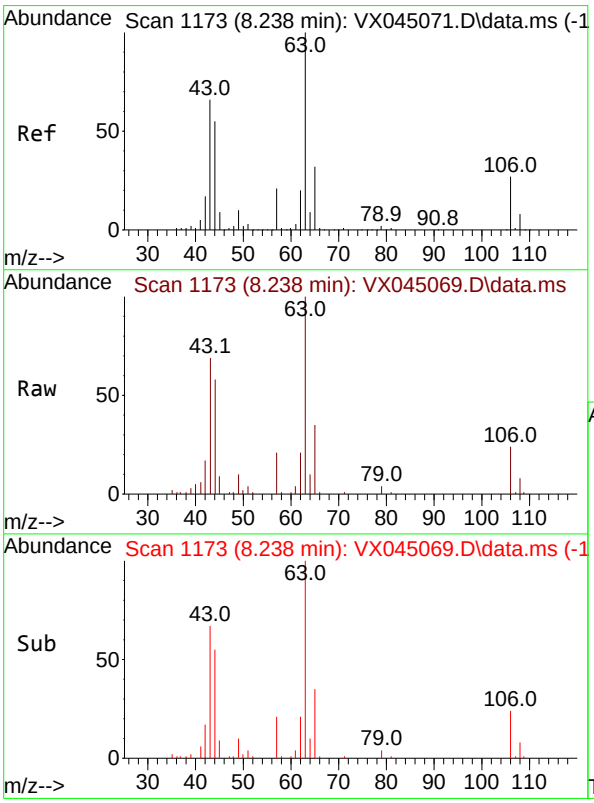
#57
1,3-Dichloropropane
Concen: 5.289 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 12106

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

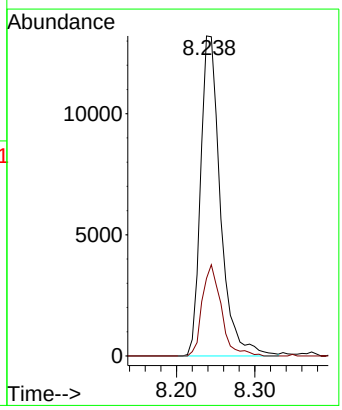


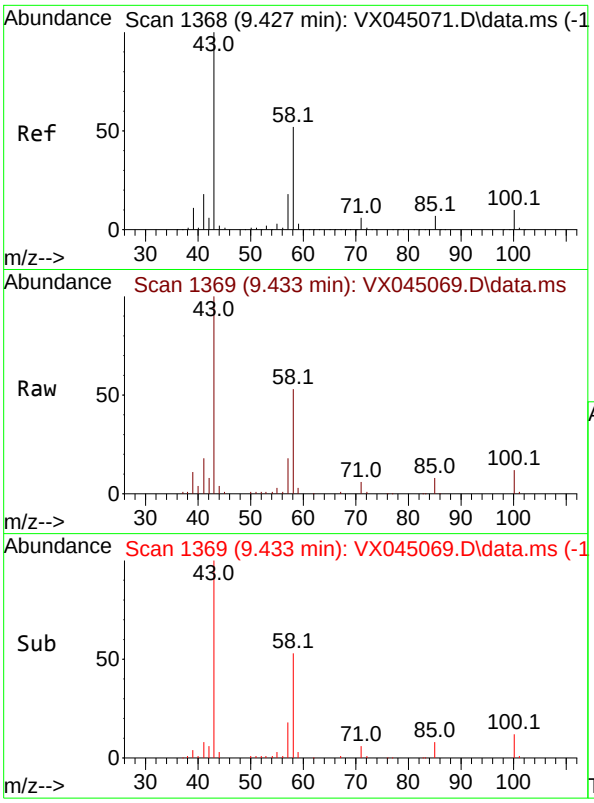


#58
2-Chloroethyl Vinyl ether
Concen: 22.527 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 63 Resp: 23212

Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.5	32.3



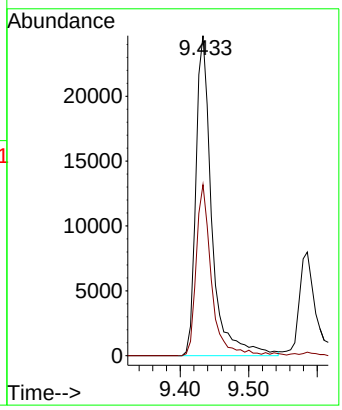


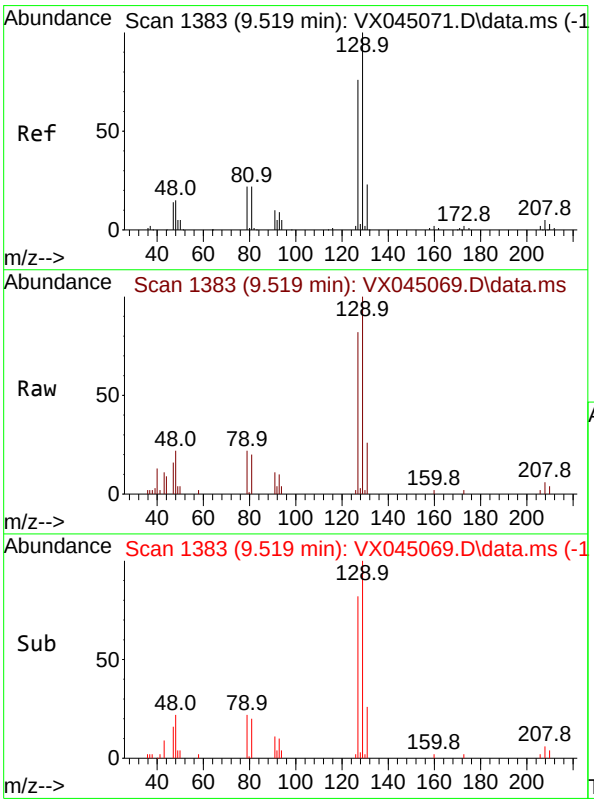
#59
2-Hexanone
Concen: 27.363 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 39994

Ion	Ratio	Lower	Upper
43	100		
58	50.7	25.9	77.6

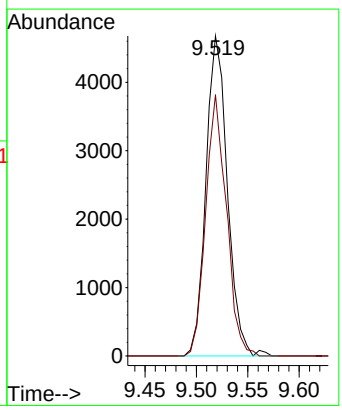


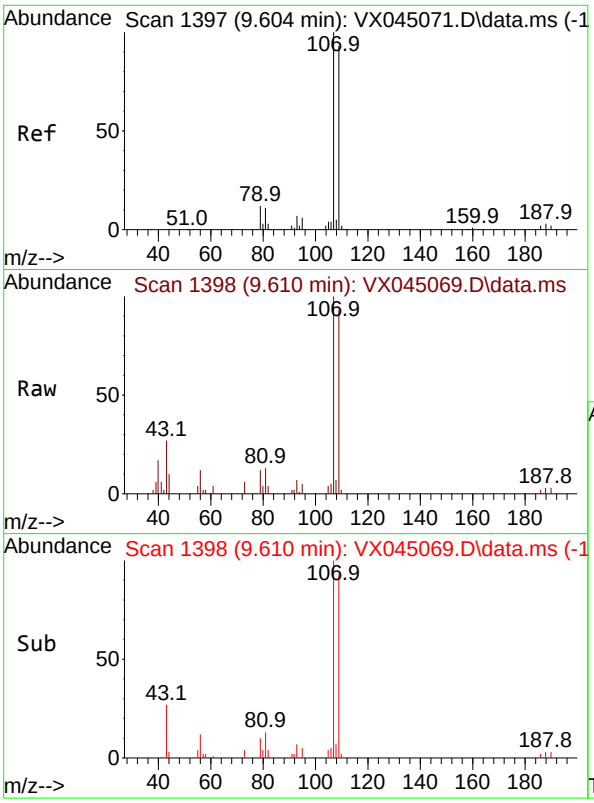


#60
Dibromochloromethane
Concen: 4.846 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:129 Resp: 6785

Ion	Ratio	Lower	Upper
129	100		
127	79.0	38.5	115.5



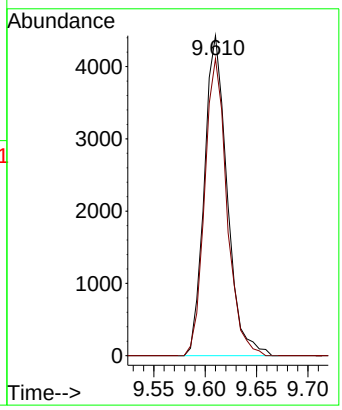


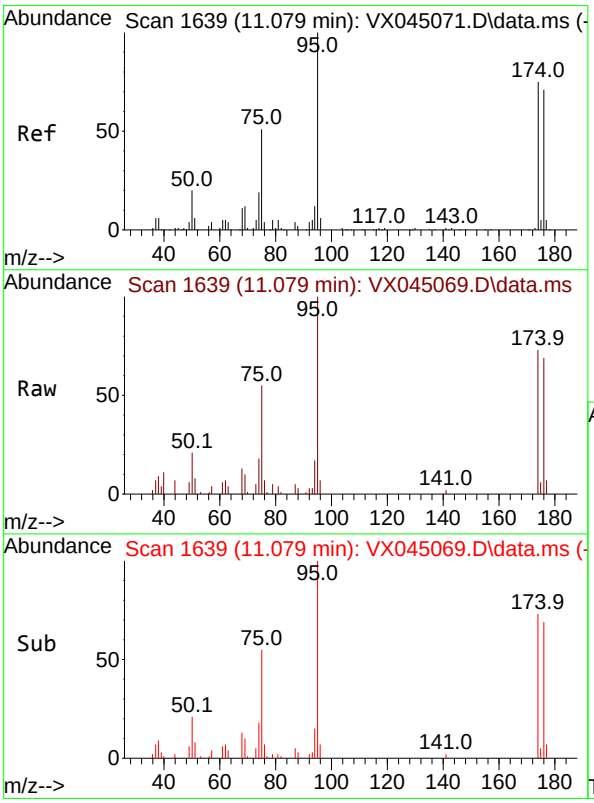
#61
1,2-Dibromoethane
Concen: 5.161 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 6832

Ion	Ratio	Lower	Upper
107	100		
109	90.7	76.1	114.1

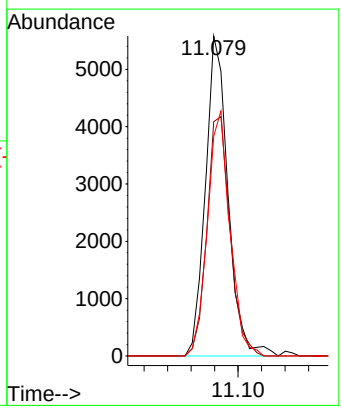


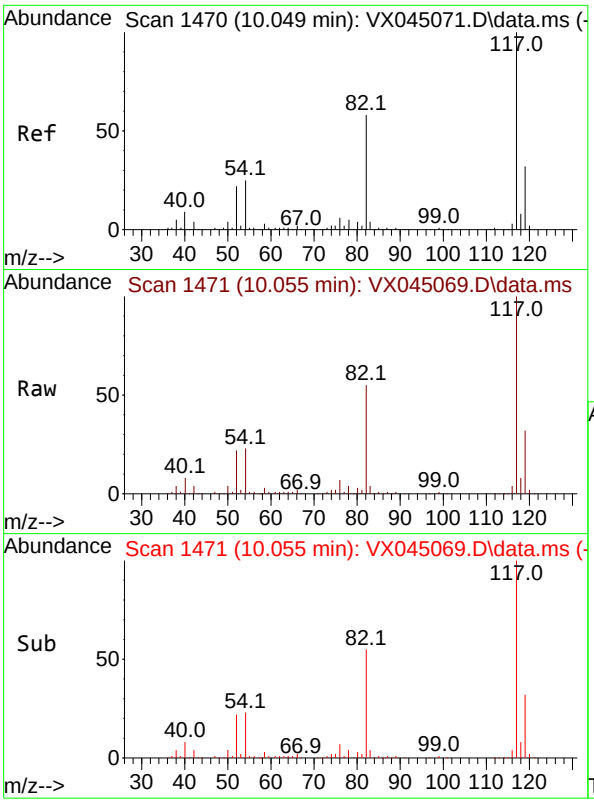


#62
4-Bromofluorobenzene
Concen: 4.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



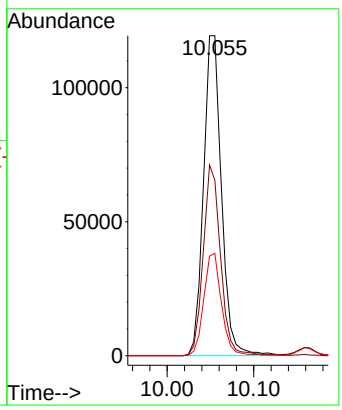


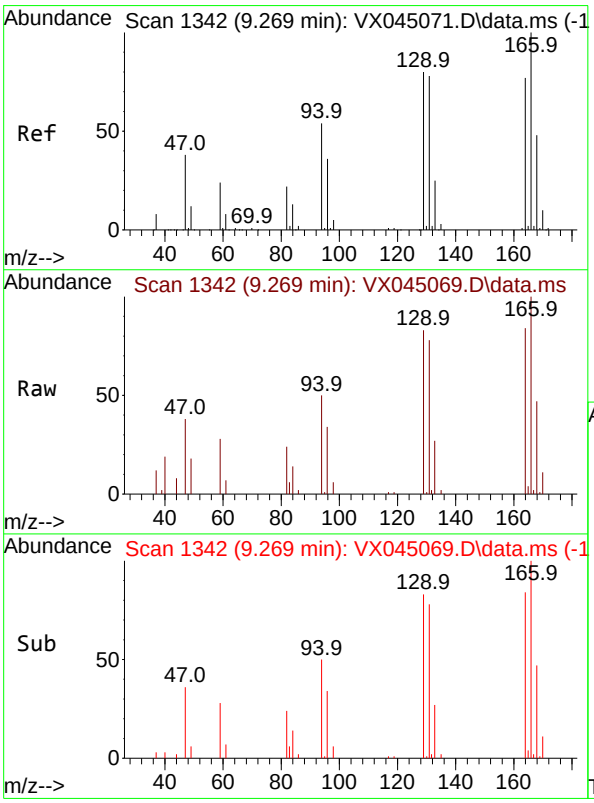
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

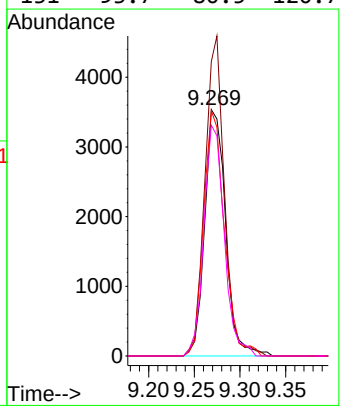


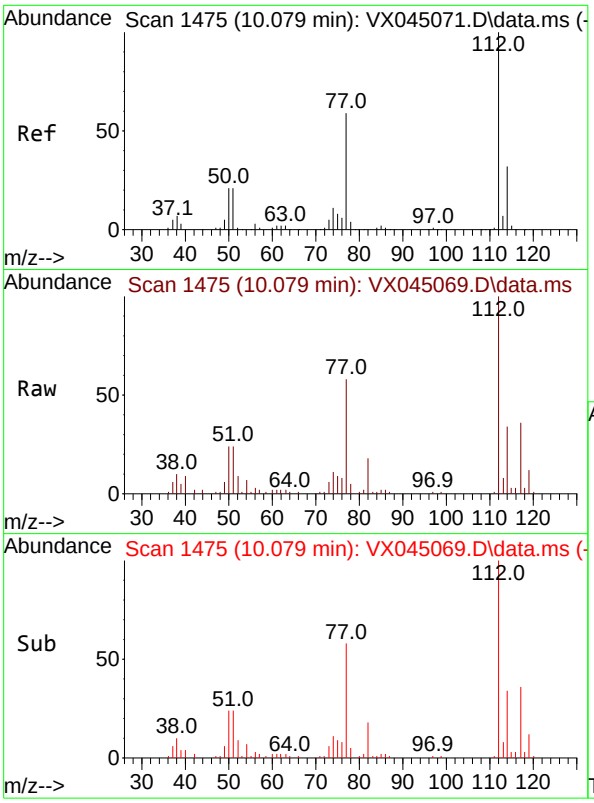


#64
Tetrachloroethene
Concen: 5.128 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



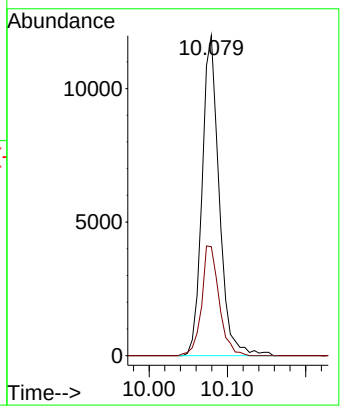


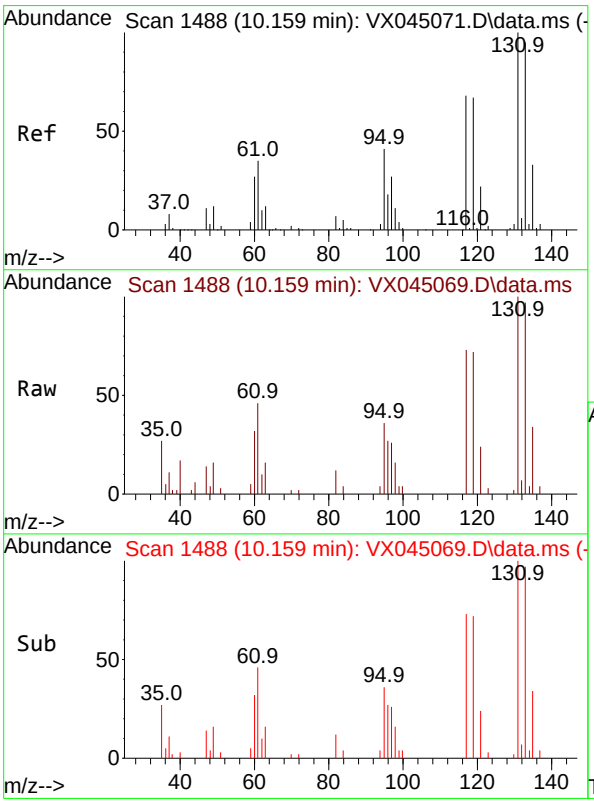
#65
Chlorobenzene
Concen: 4.908 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 18161

Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.0	39.0

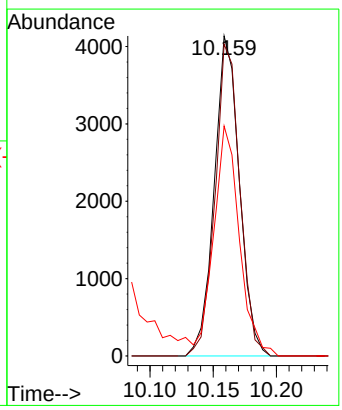


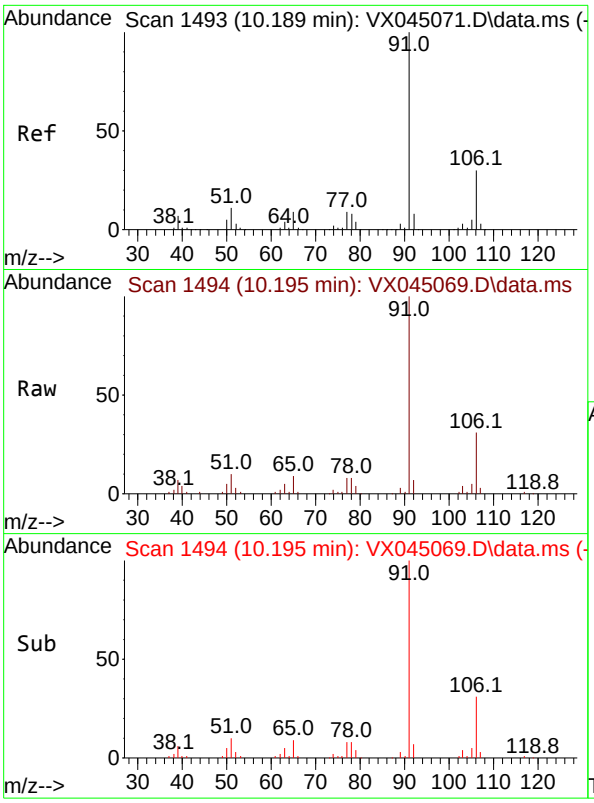


#66
1,1,1,2-Tetrachloroethane
Concen: 4.781 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



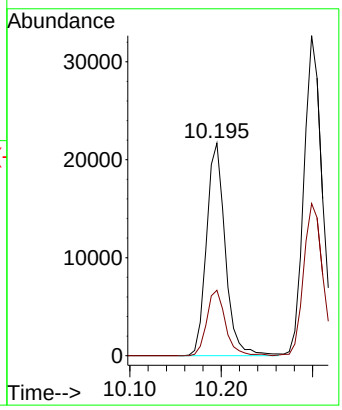


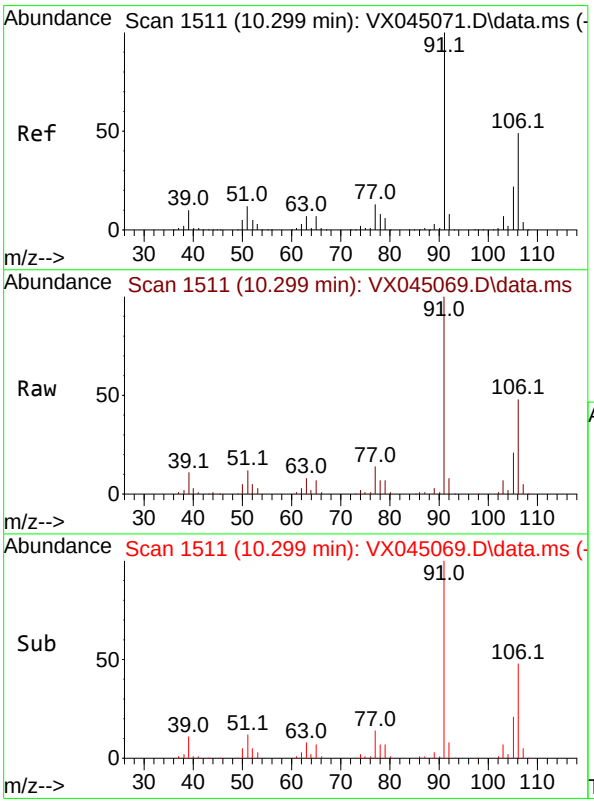
#67
Ethyl Benzene
Concen: 4.725 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 30918

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9

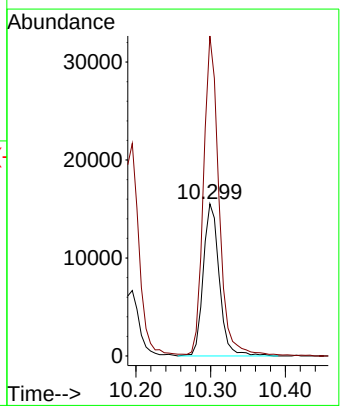


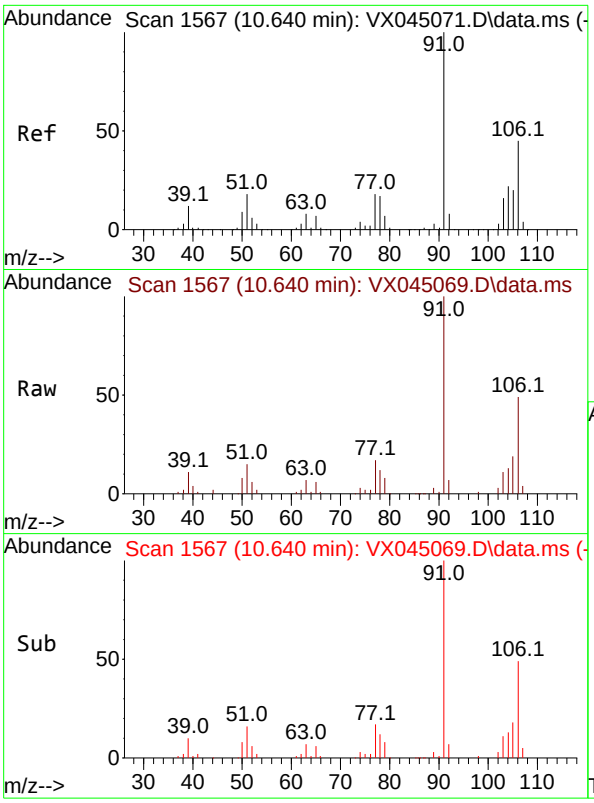


#68
m/p-Xylenes
Concen: 9.608 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:106 Resp: 23152

Ion	Ratio	Lower	Upper
106	100		
91	202.7	165.4	248.0



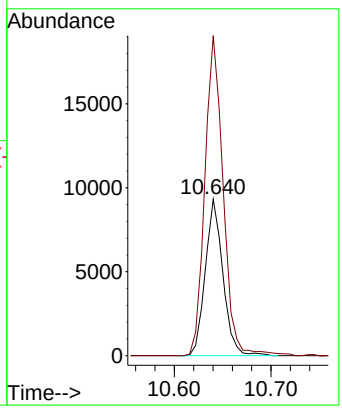


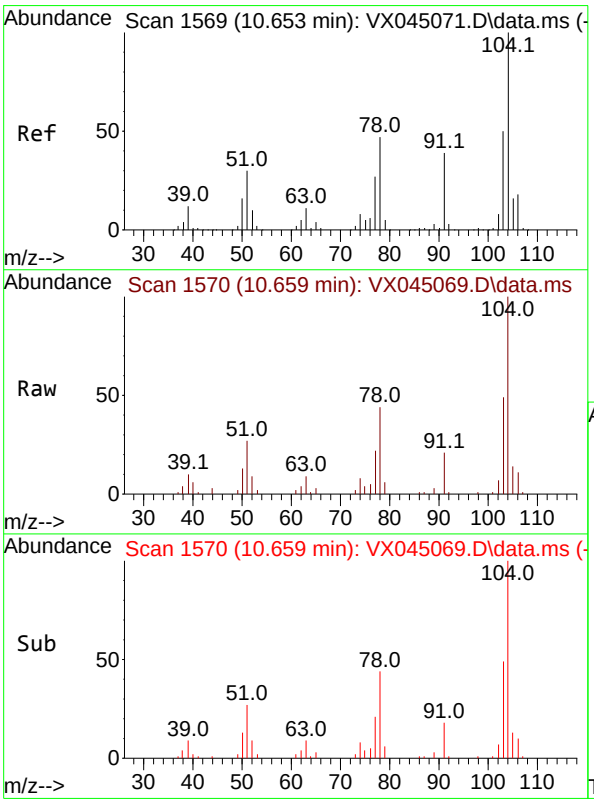
#69
o-Xylene
Concen: 4.914 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 11881

Ion	Ratio	Lower	Upper
106	100		
91	211.7	109.9	329.6

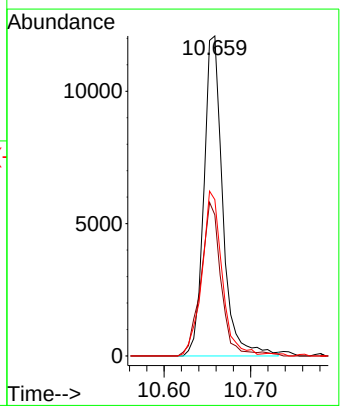


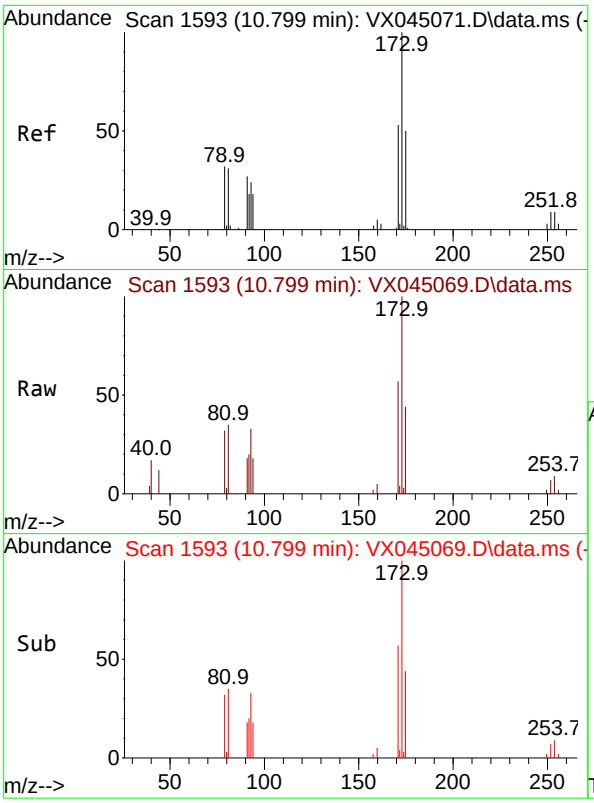


#70
Styrene
Concen: 4.704 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



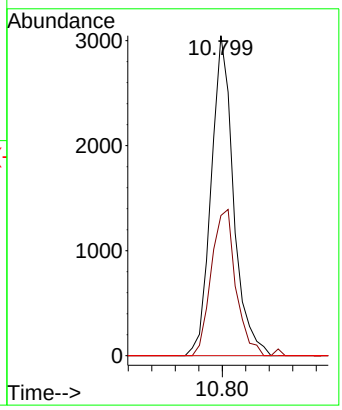


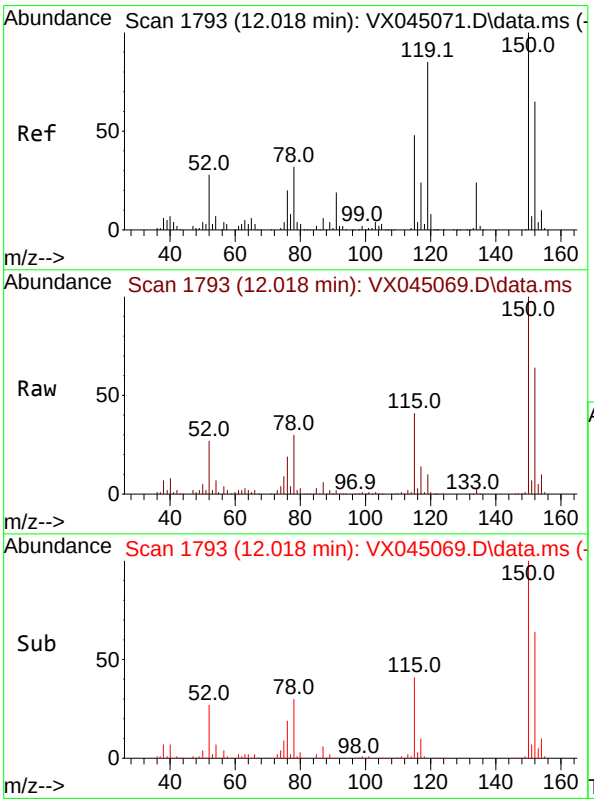
#71
Bromoform
Concen: 4.541 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

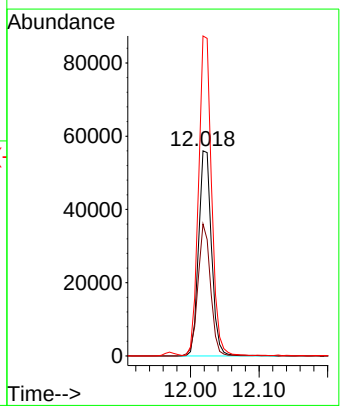


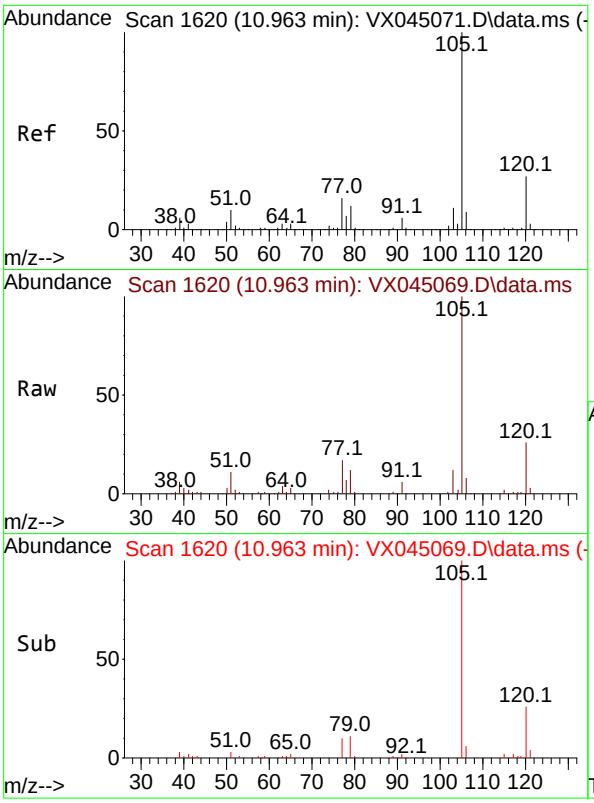


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



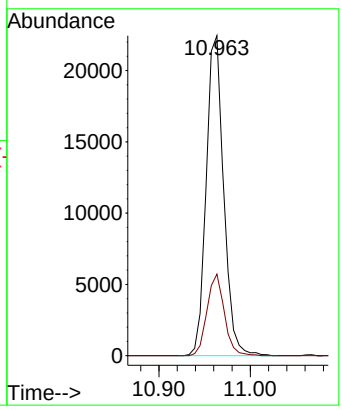


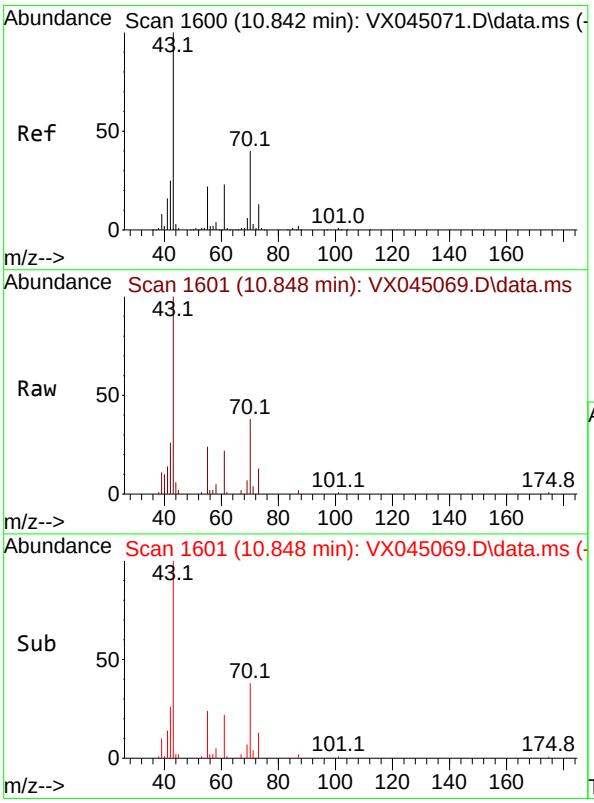
#73
Isopropylbenzene
Concen: 4.991 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 29685

Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.2	39.5

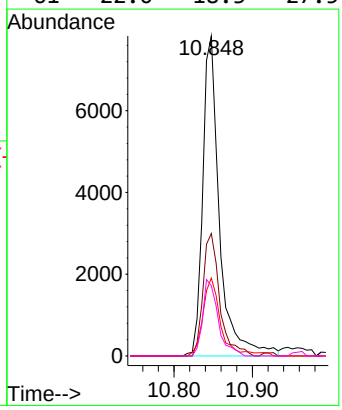


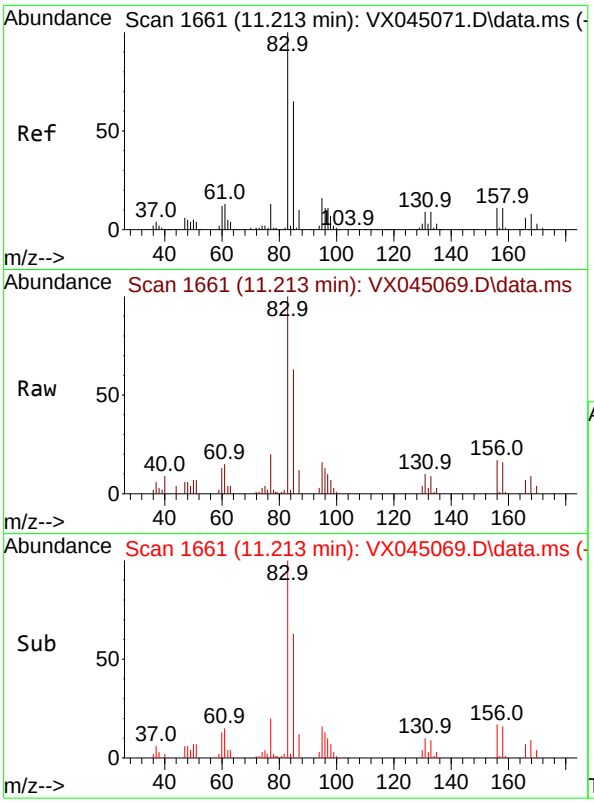


#74
N-amyl acetate
Concen: 4.300 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



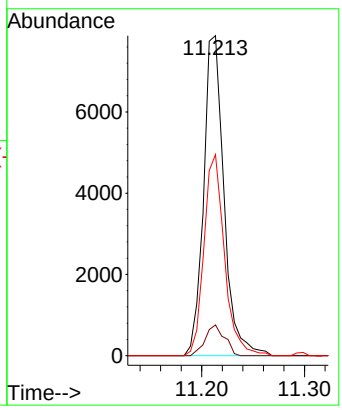


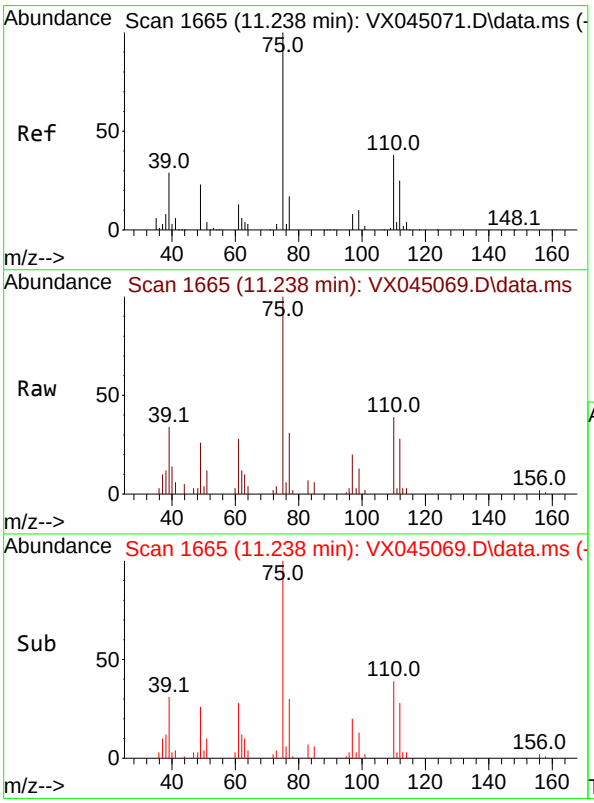
#75
1,1,2,2-Tetrachloroethane
Concen: 5.310 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

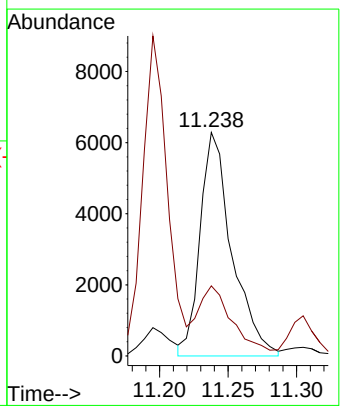


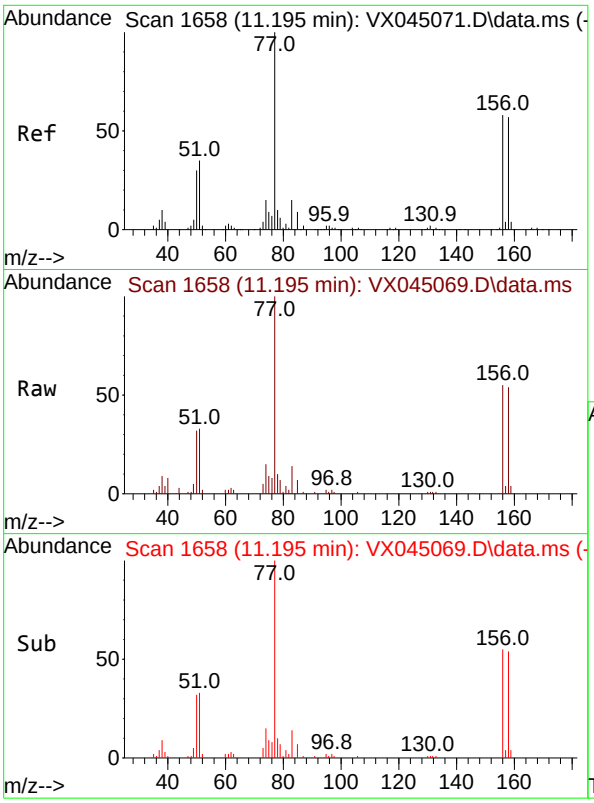


#76
1,2,3-Trichloropropane
Concen: 6.189 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 75 Resp: 10159

Ion	Ratio	Lower	Upper
75	100		
77	34.6	20.7	62.1



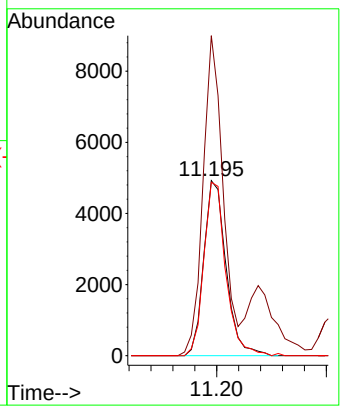


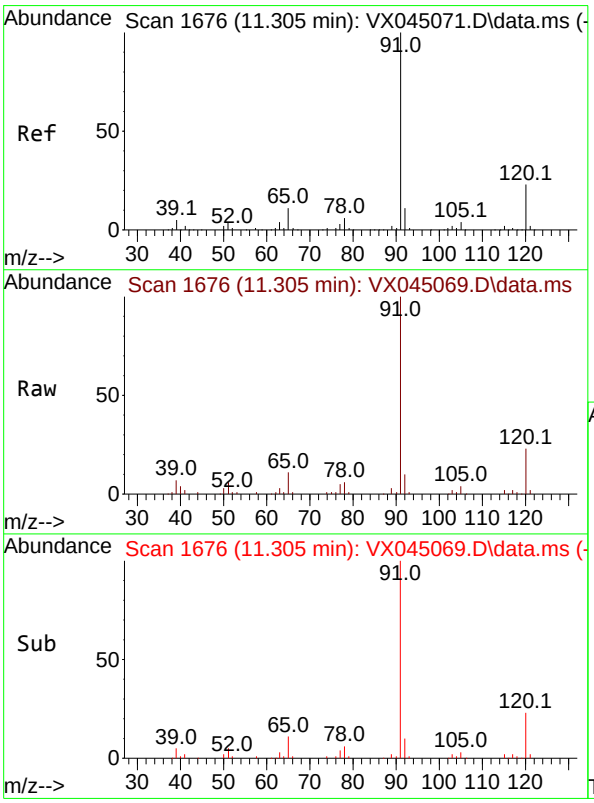
#77
Bromobenzene
Concen: 5.163 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

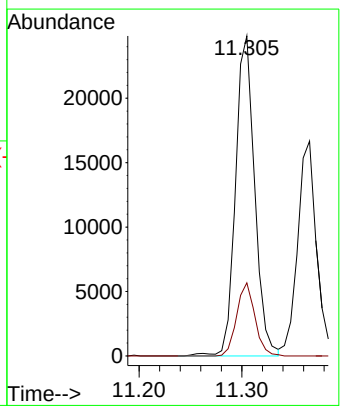


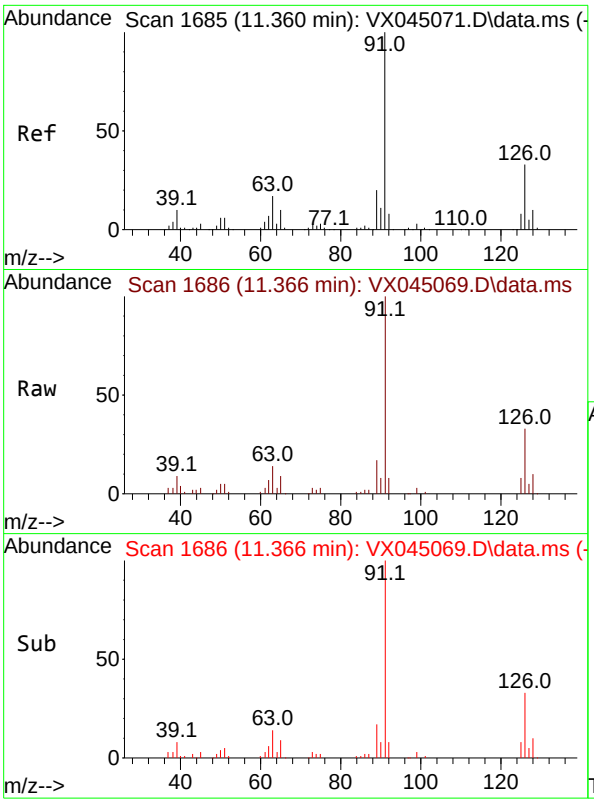


#78
n-propylbenzene
Concen: 4.694 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 32196

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.2	33.6



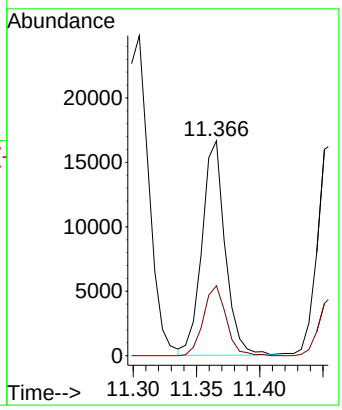


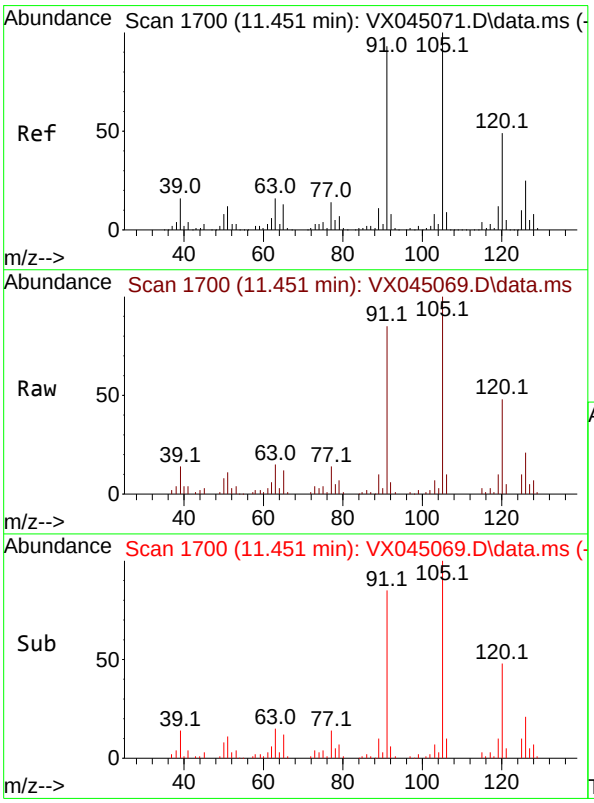
#79
2-Chlorotoluene
Concen: 5.048 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 21253

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4

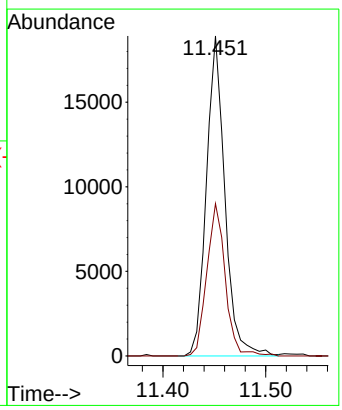


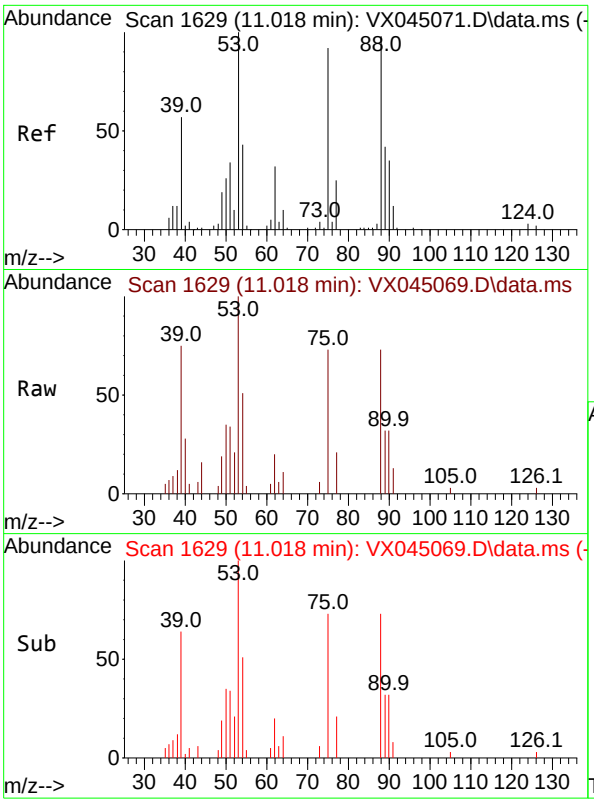


#80
1,3,5-Trimethylbenzene
Concen: 4.897 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23627

Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.1	72.2



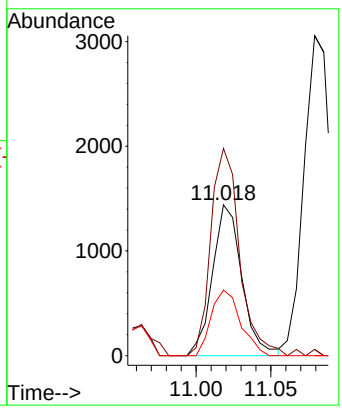


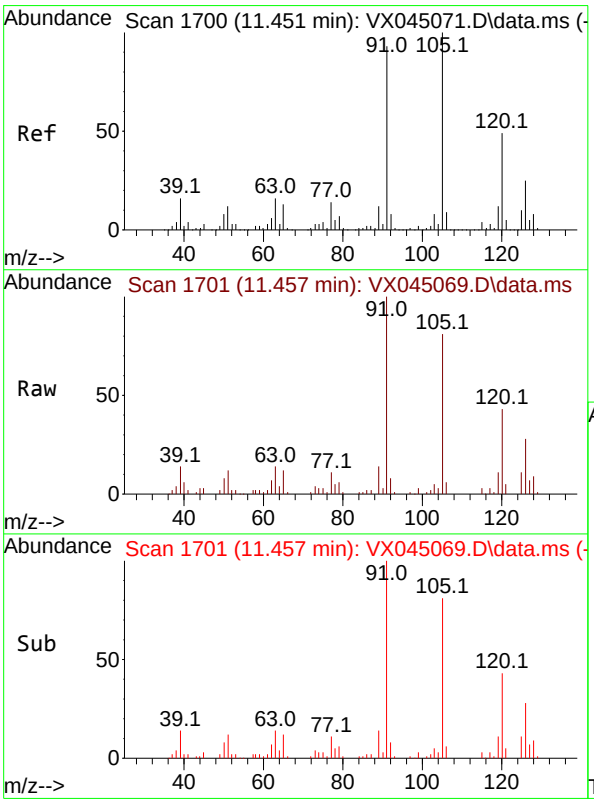
#81
trans-1,4-Dichloro-2-butene
Concen: 3.256 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

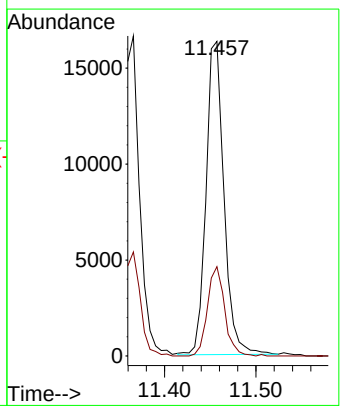


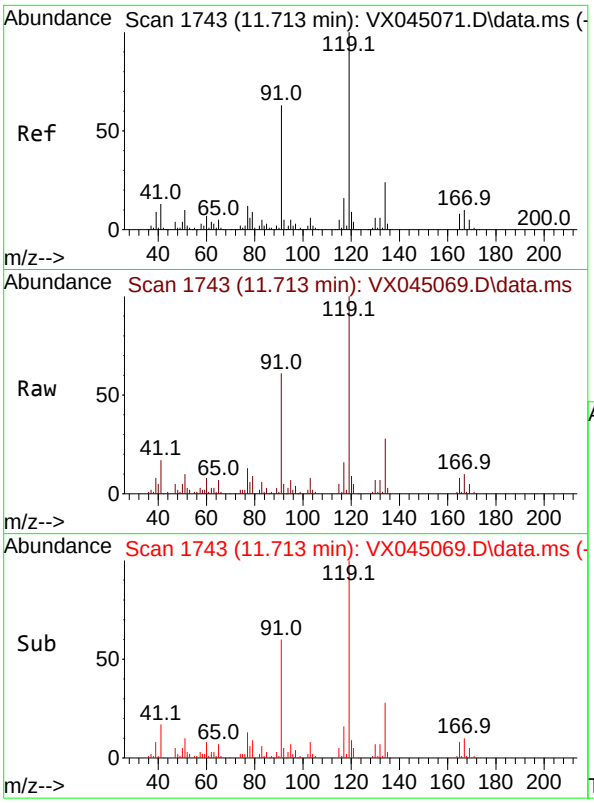


#82
4-Chlorotoluene
Concen: 4.761 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion: 91 Resp: 22190

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4



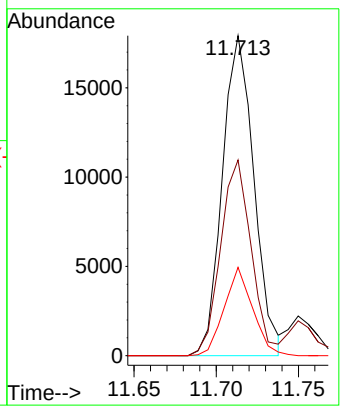


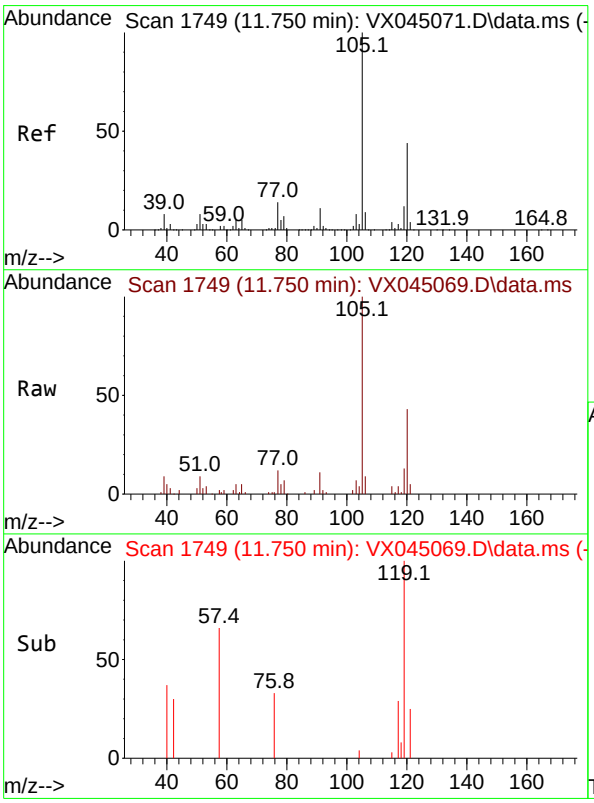
#83
tert-Butylbenzene
Concen: 4.910 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

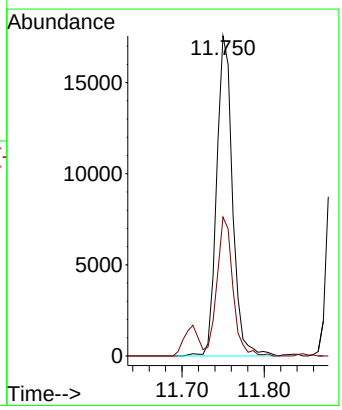


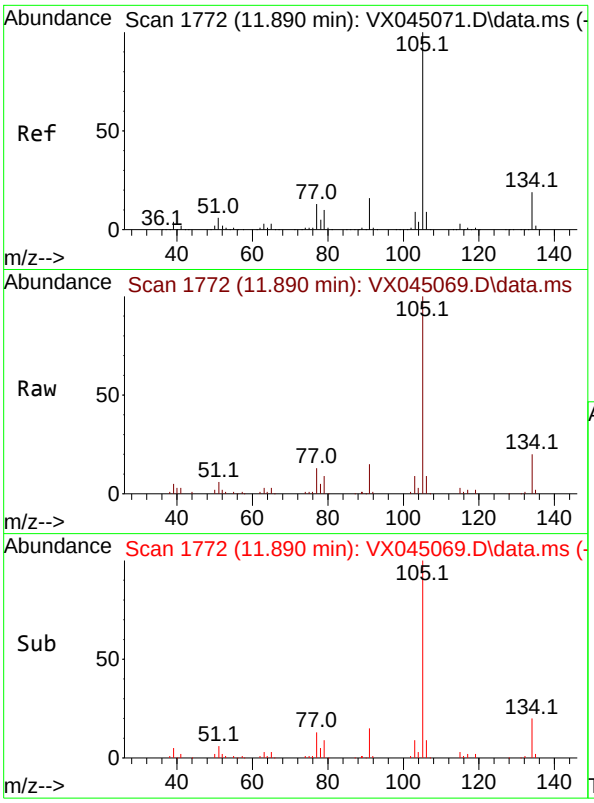


#84
1,2,4-Trimethylbenzene
Concen: 4.960 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:105 Resp: 23561

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



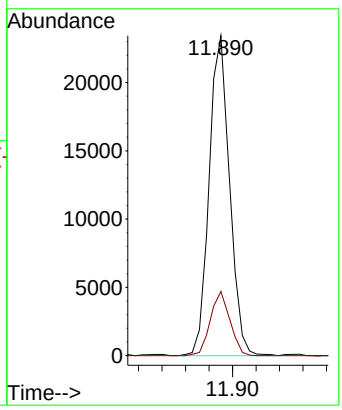


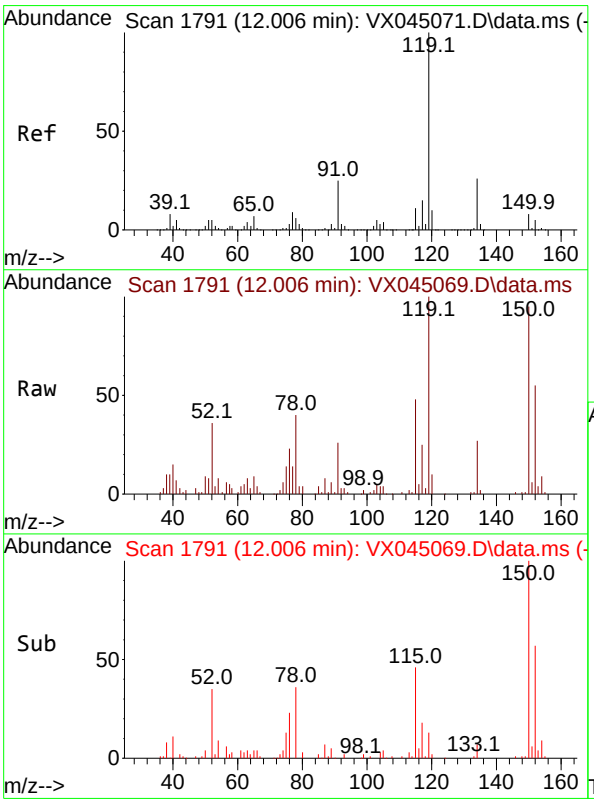
#85
sec-Butylbenzene
Concen: 4.687 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 28314

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

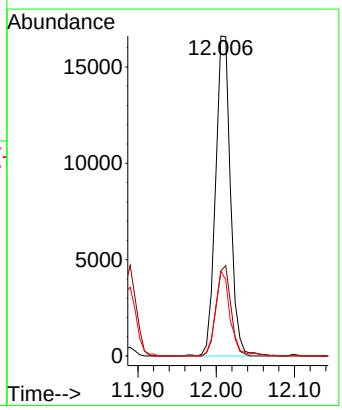


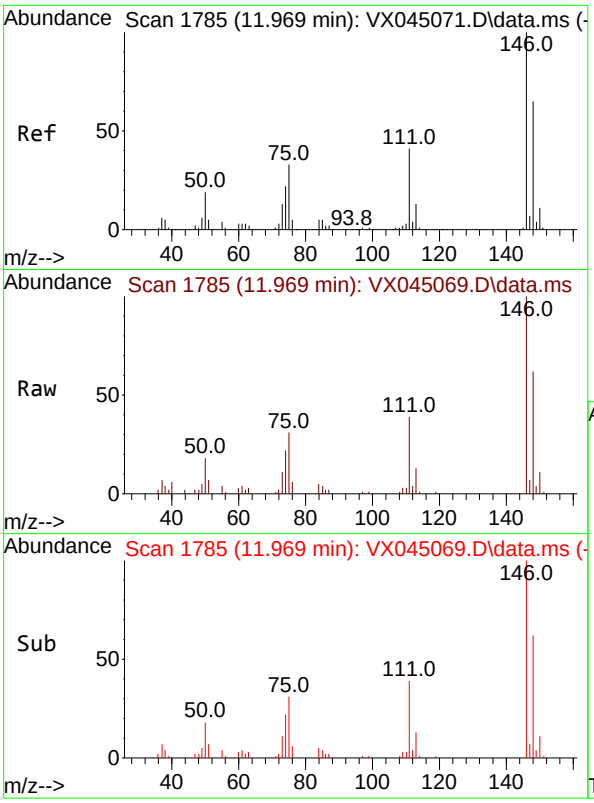


#86
p-Isopropyltoluene
Concen: 4.532 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



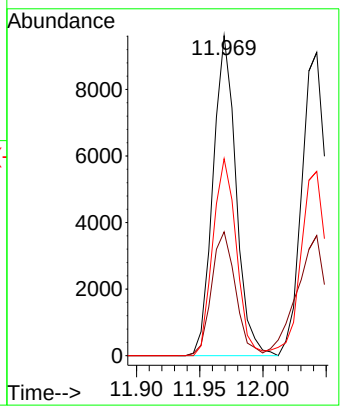


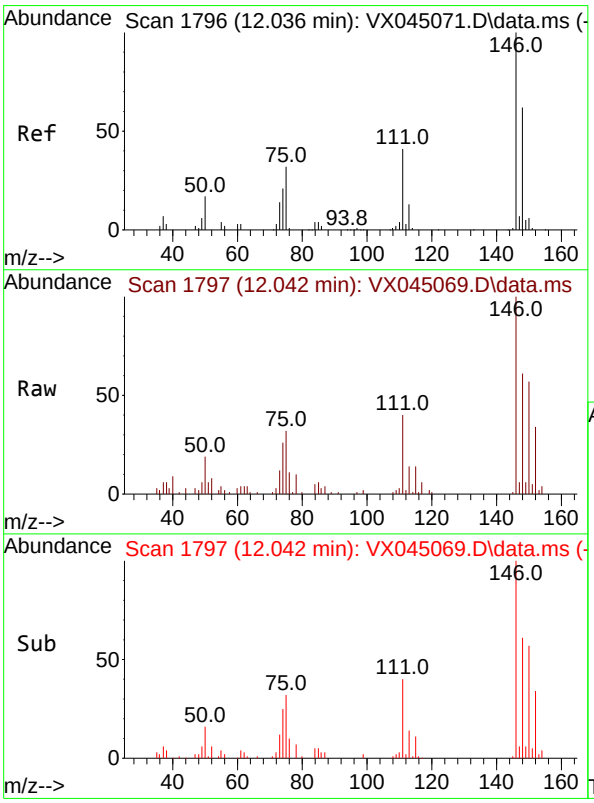
#87
1,3-Dichlorobenzene
Concen: 4.926 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

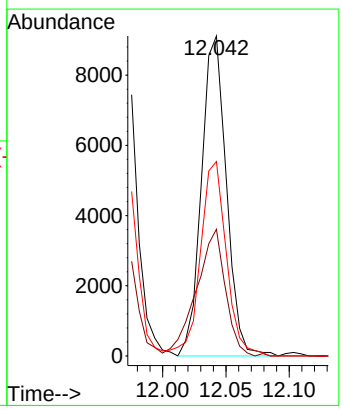


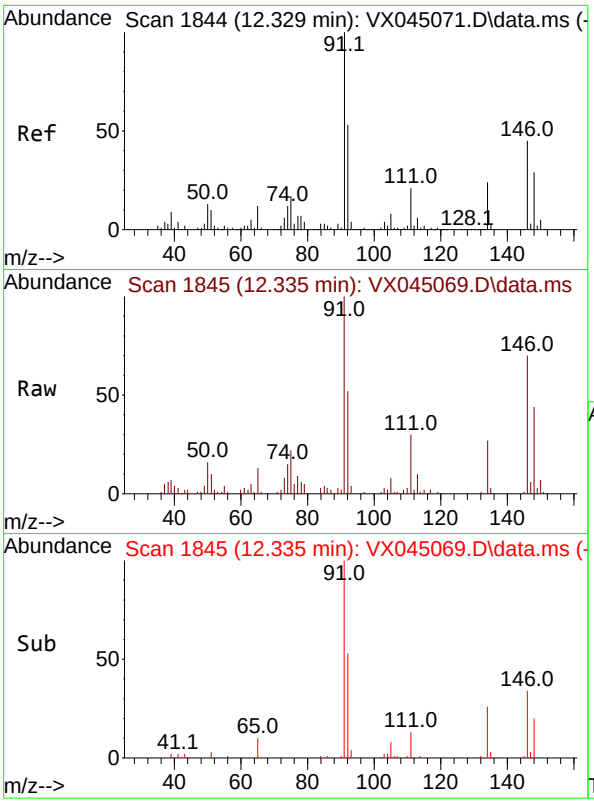


#88
1,4-Dichlorobenzene
Concen: 5.014 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



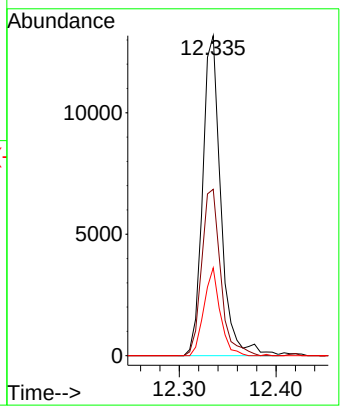


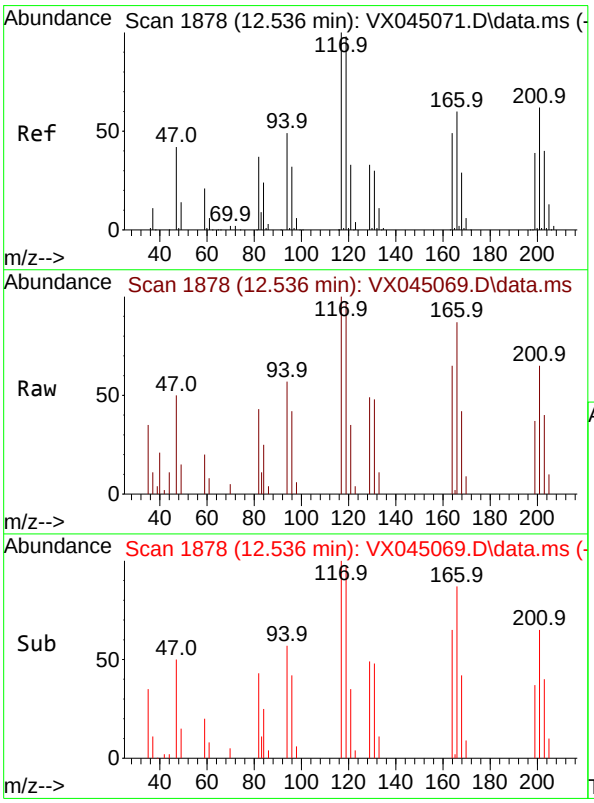
#89
n-Butylbenzene
Concen: 4.072 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

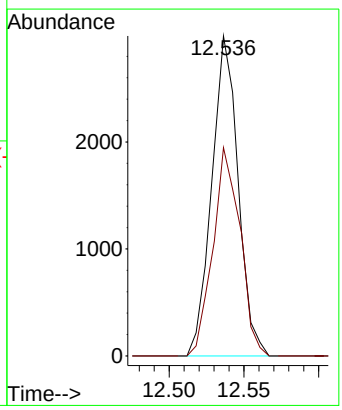


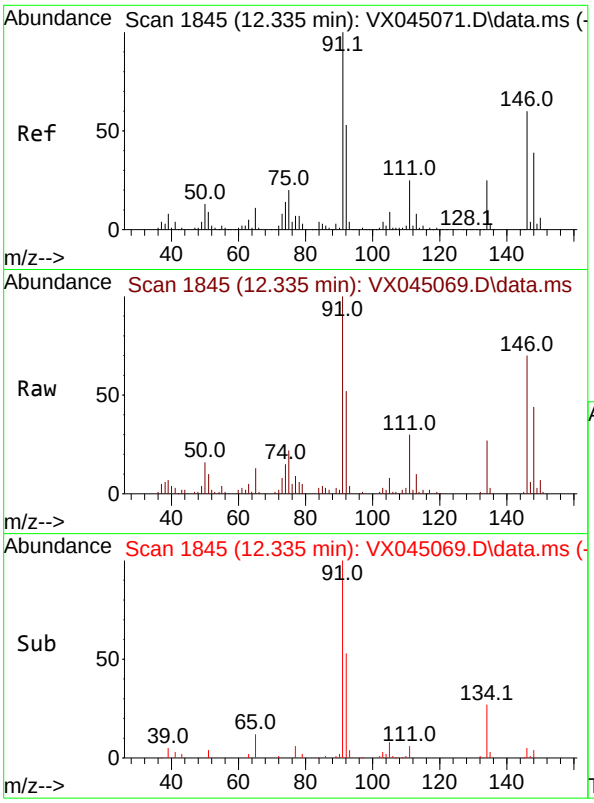


#90
Hexachloroethane
Concen: 4.052 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

Tgt Ion:117 Resp: 3665

Ion	Ratio	Lower	Upper
117	100		
201	67.1	31.9	95.9



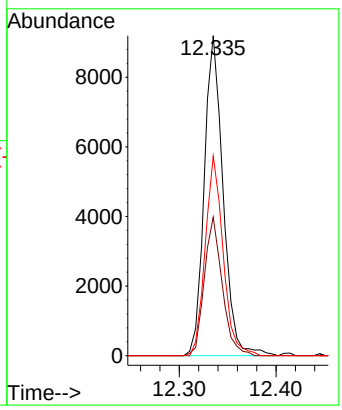


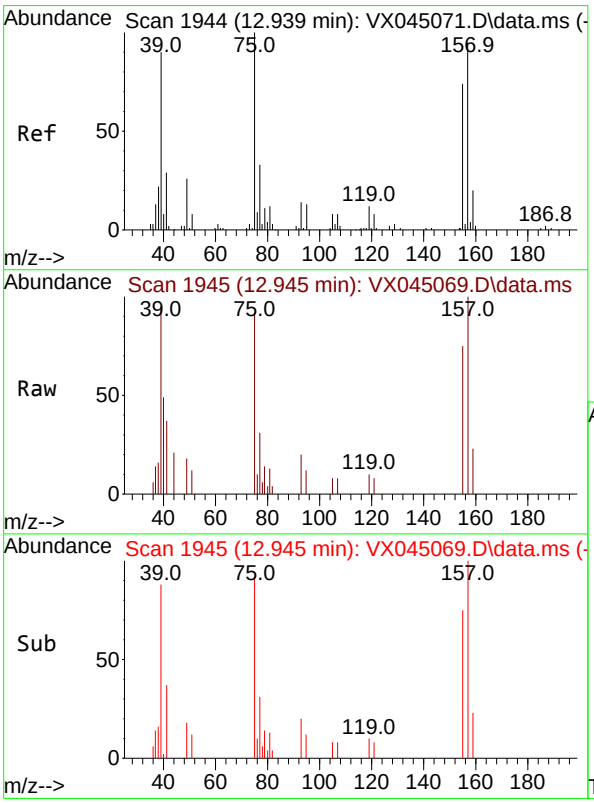
#91
1,2-Dichlorobenzene
Concen: 5.138 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

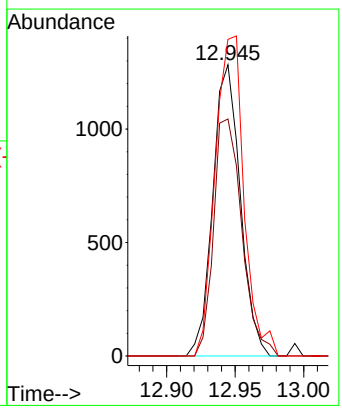


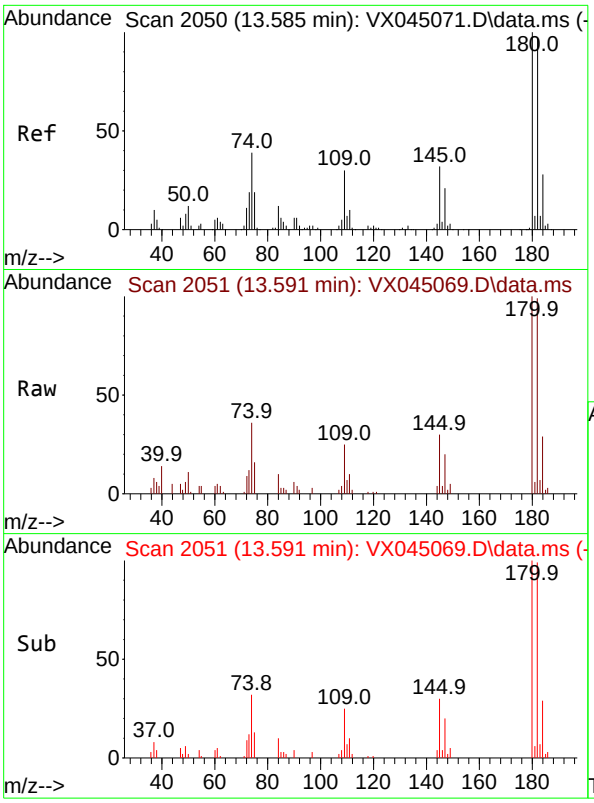


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.712 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



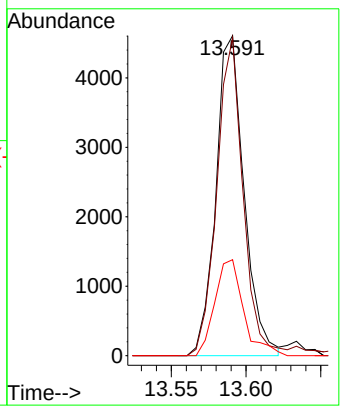


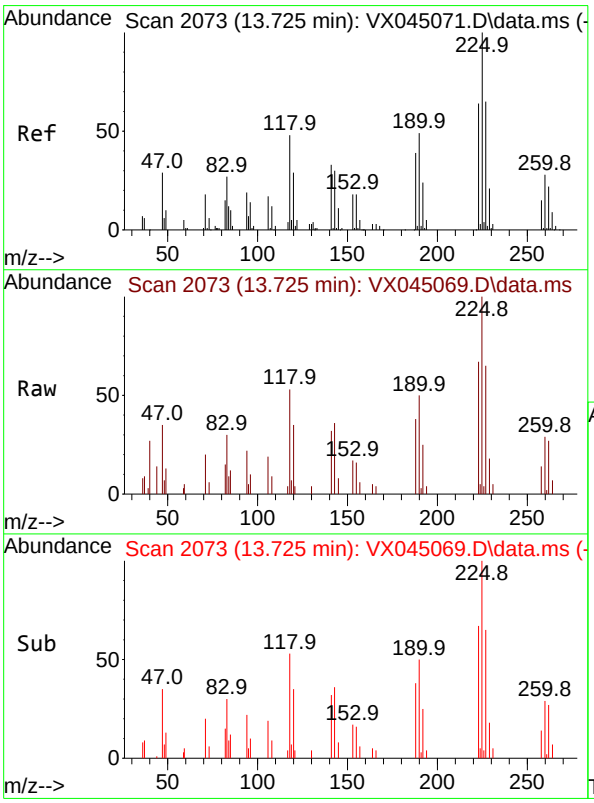
#93
1,2,4-Trichlorobenzene
Concen: 4.114 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

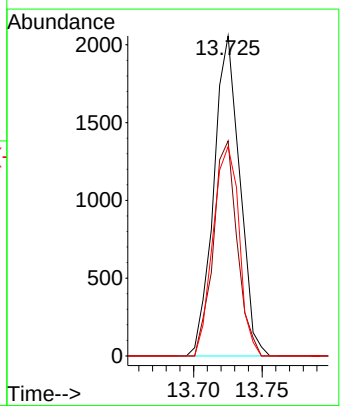


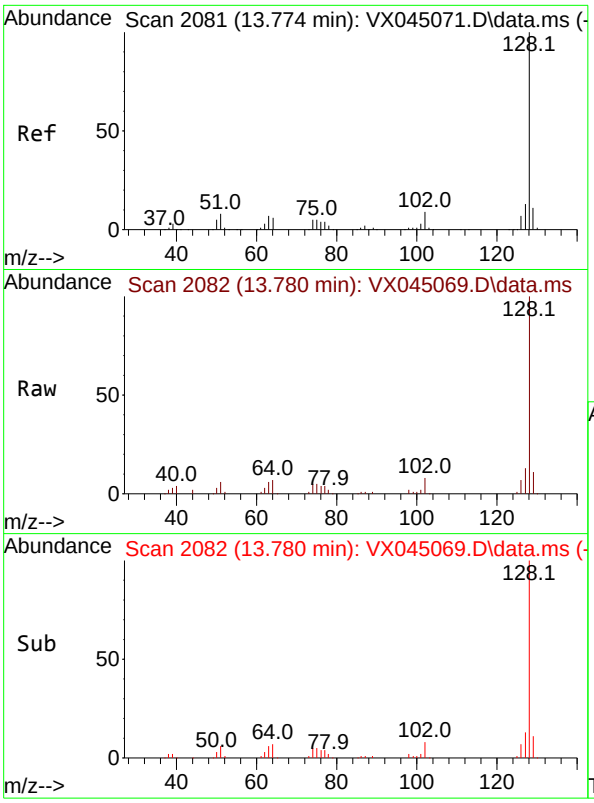


#94
Hexachlorobutadiene
Concen: 4.640 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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



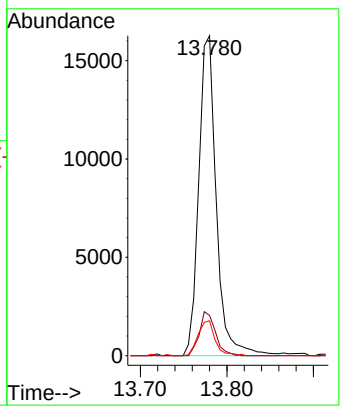


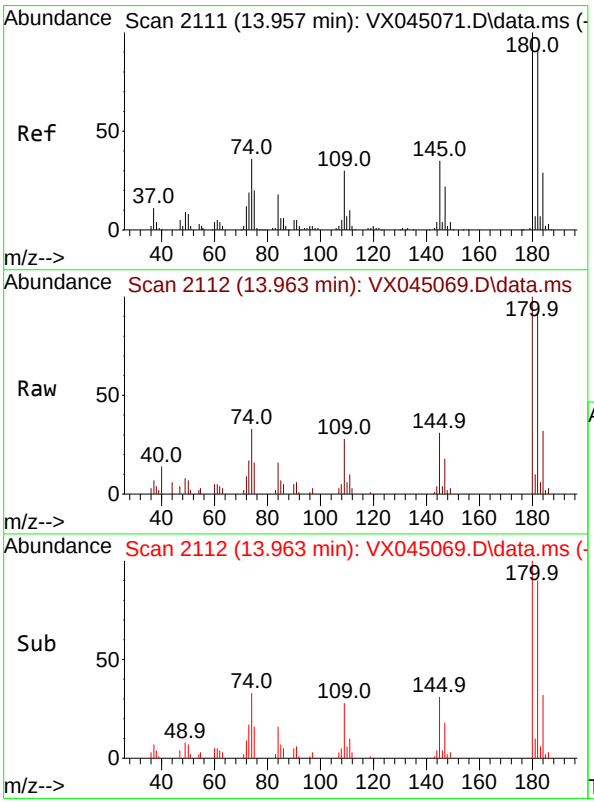
#95
Naphthalene
Concen: 4.287 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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

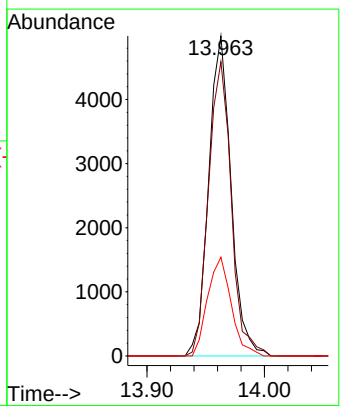




#96
1,2,3-Trichlorobenzene
Concen: 4.437 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045069.D
Acq: 28 Feb 2025 02:13

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)

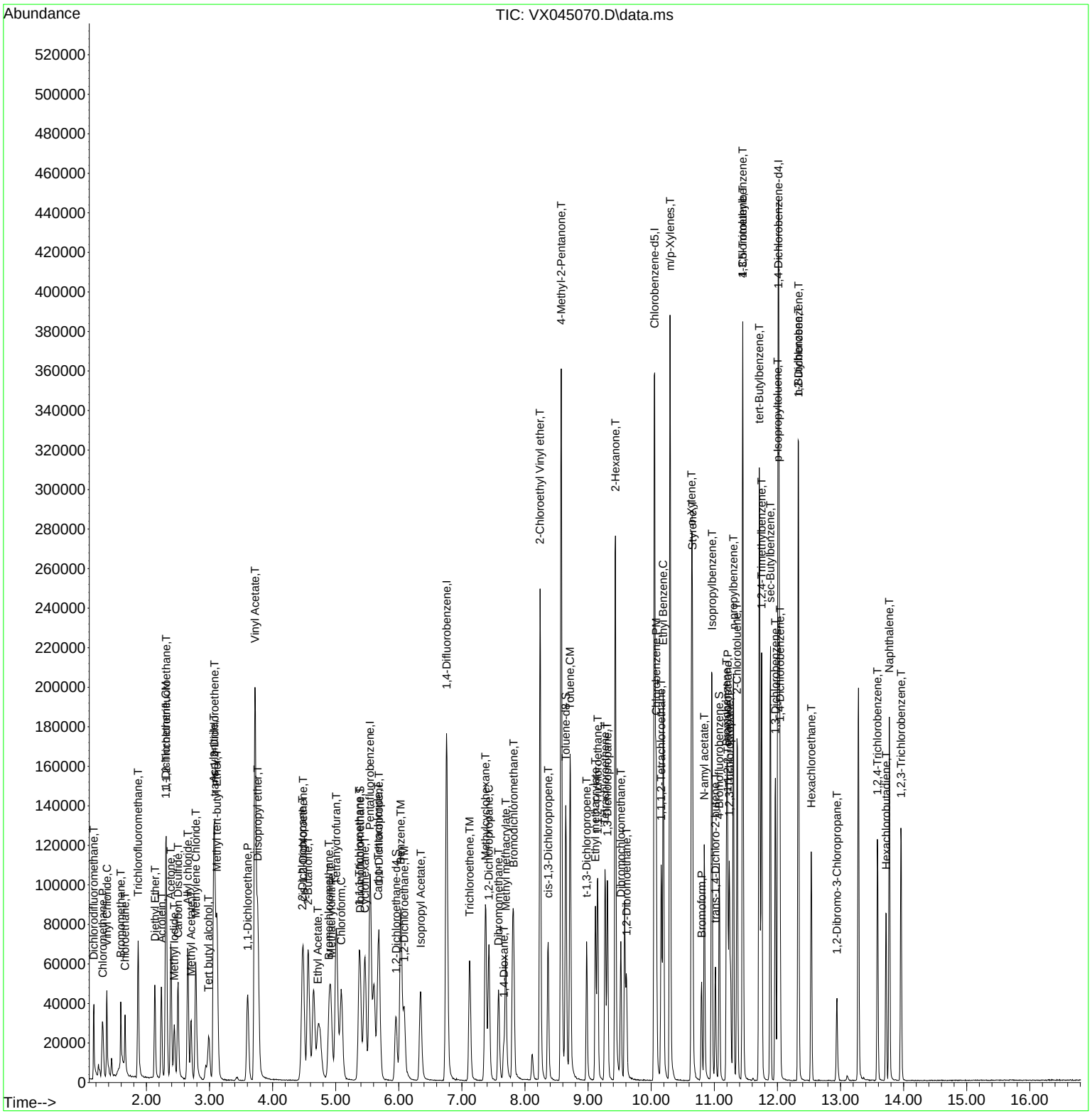
(#) = qualifier out of range (m) = manual integration (+) = signals summed

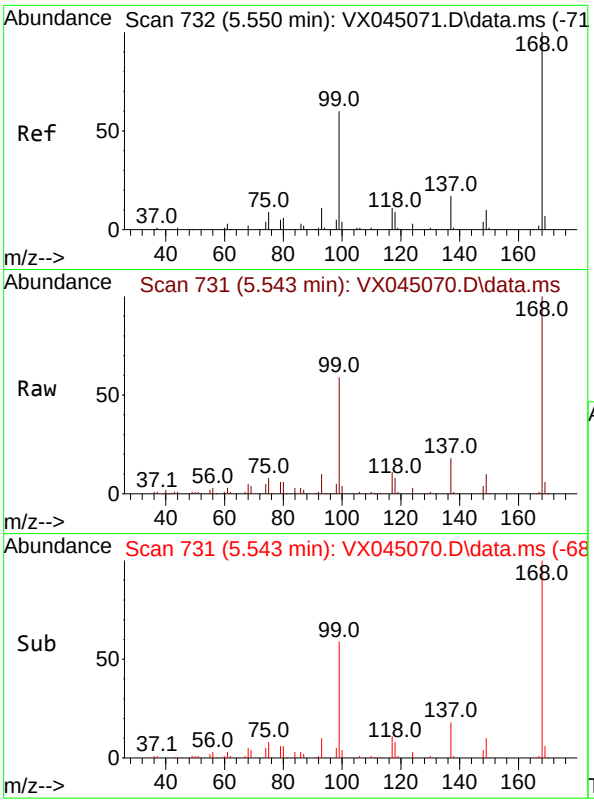
Quantitation Report (Not Reviewed)

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



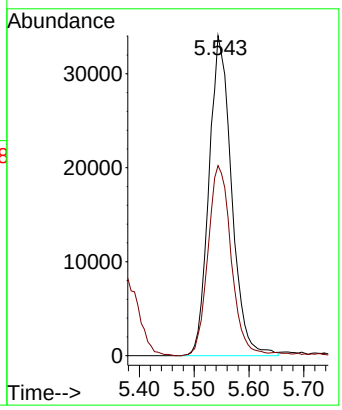


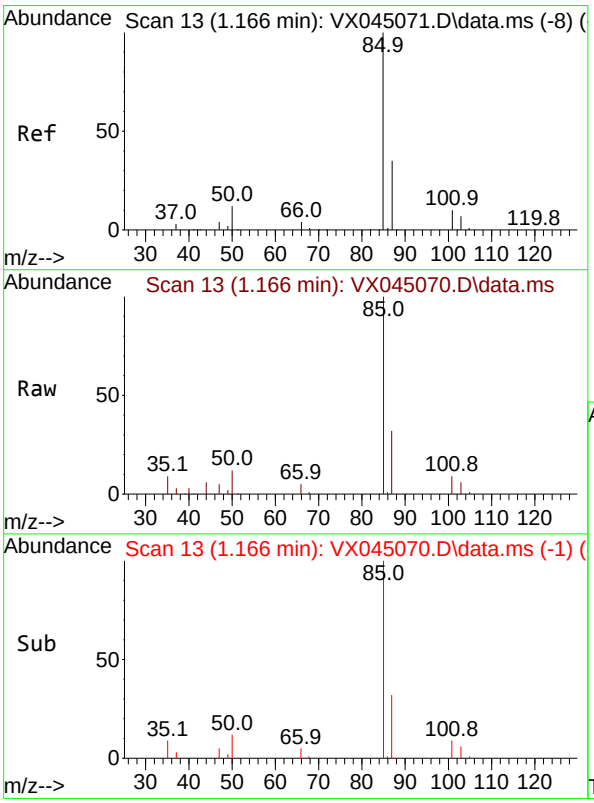
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 97338

Ion	Ratio	Lower	Upper
168	100		
99	59.4	48.2	72.4

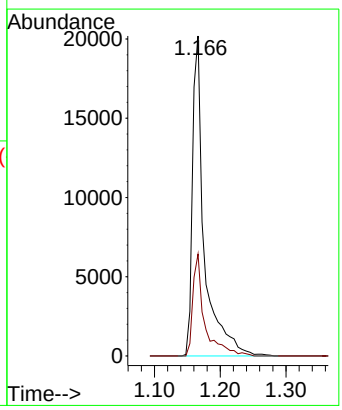


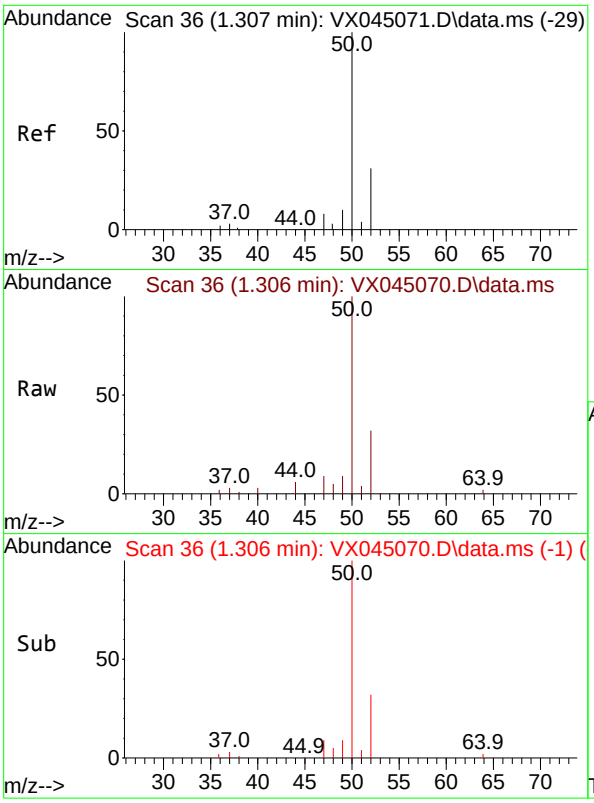


#2
Dichlorodifluoromethane
Concen: 18.750 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 85 Resp: 25155

Ion	Ratio	Lower	Upper
85	100		
87	31.9	17.4	52.3



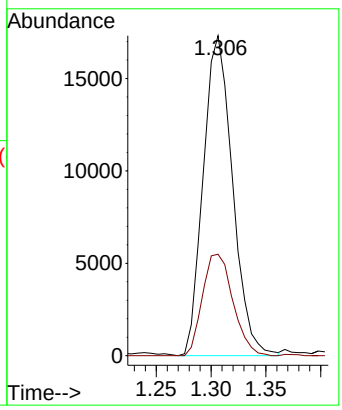


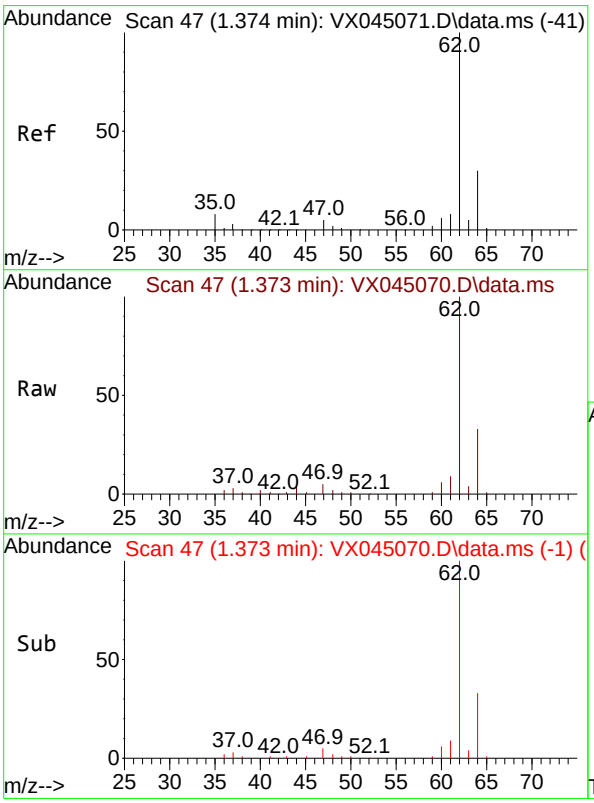
#3
Chloromethane
Concen: 19.736 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 32219

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.0	37.4

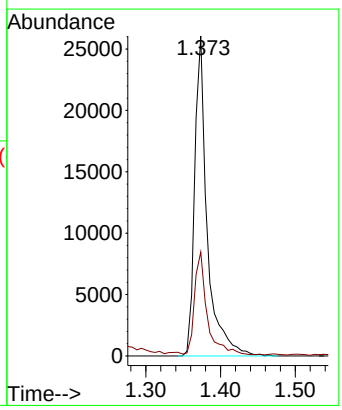


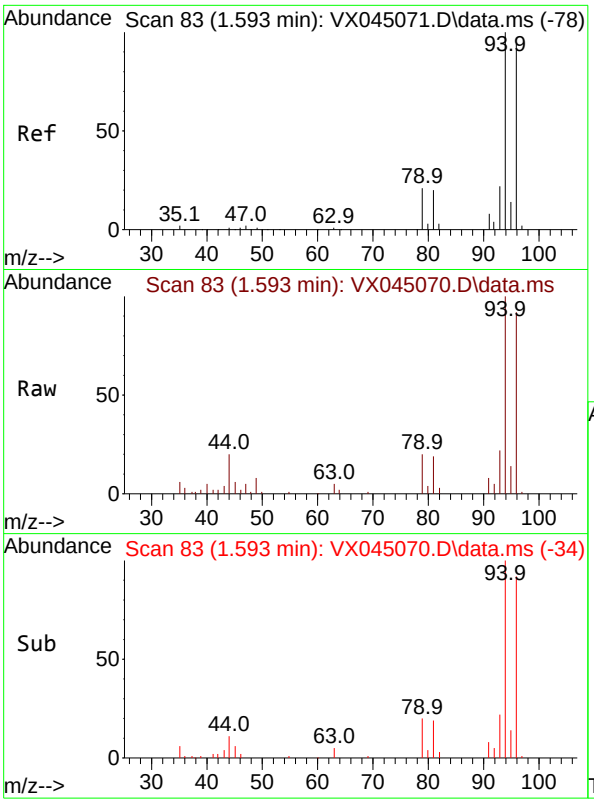


#4
Vinyl Chloride
Concen: 18.899 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 30134

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5



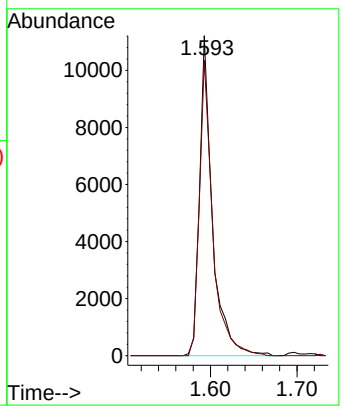


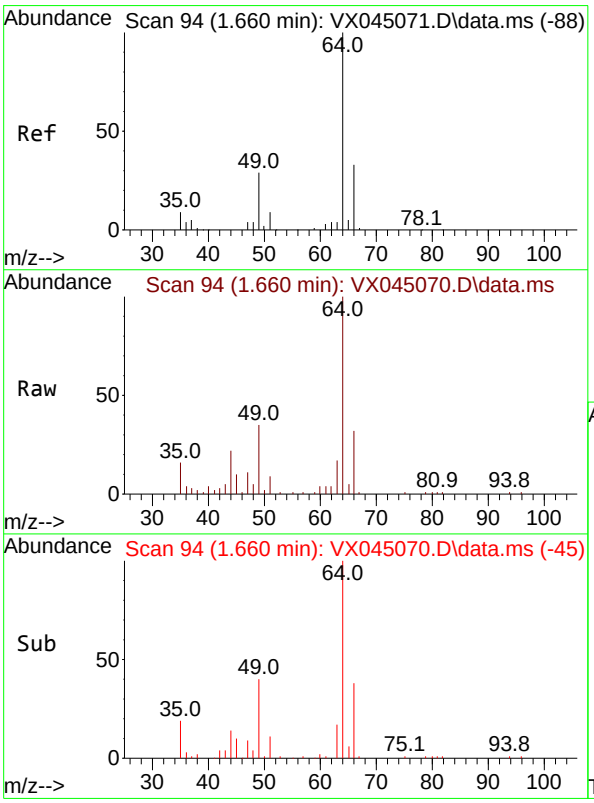
#5
Bromomethane
Concen: 23.239 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 11584

Ion	Ratio	Lower	Upper
94	100		
96	92.4	75.0	112.4

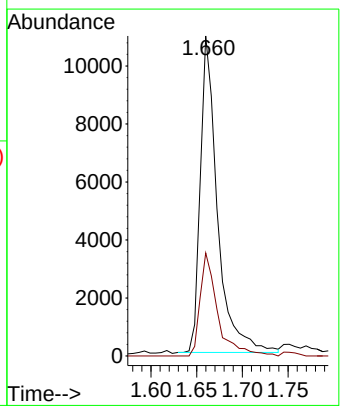


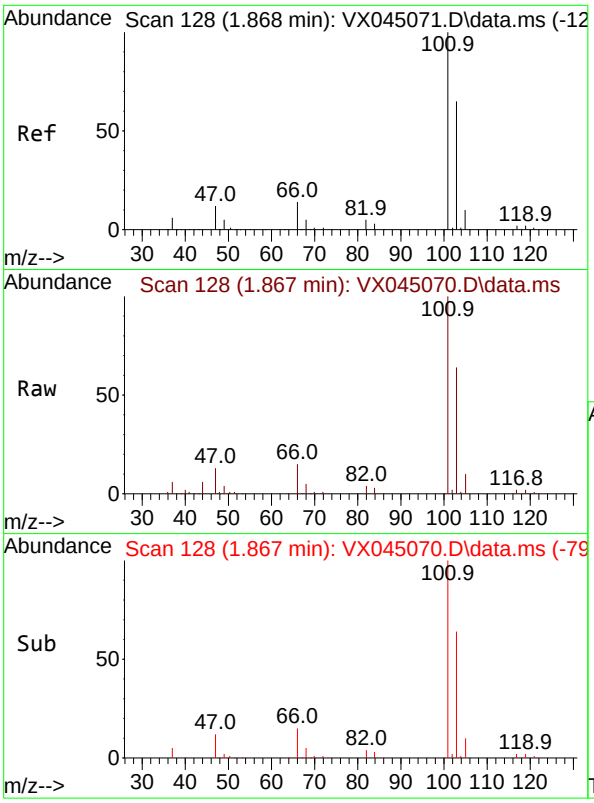


#6
Chloroethane
Concen: 23.457 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 64 Resp: 14237

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1



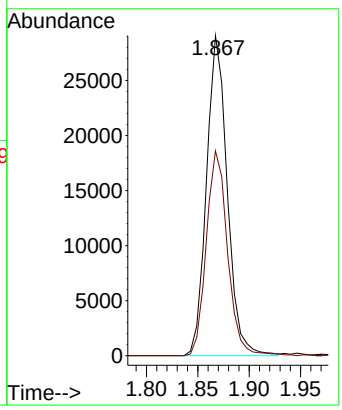


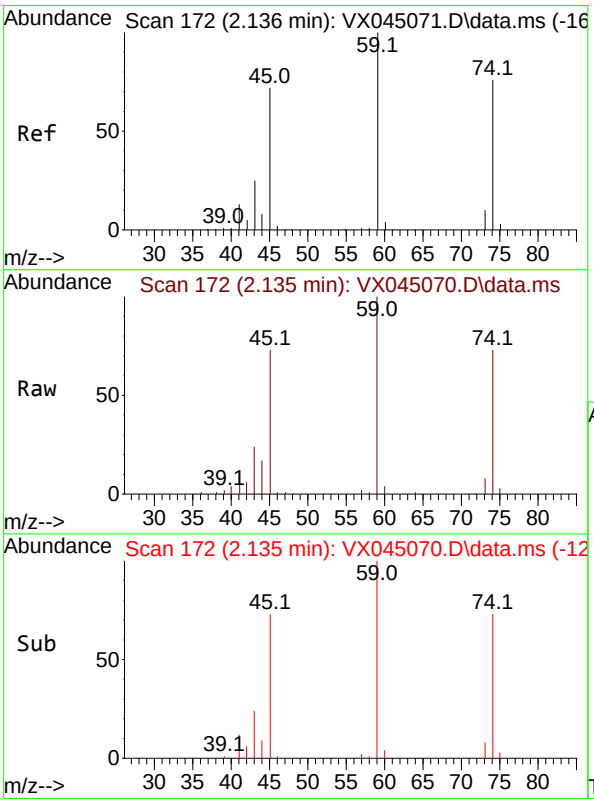
#7
Trichlorofluoromethane
Concen: 20.015 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 40880

Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.1	78.1

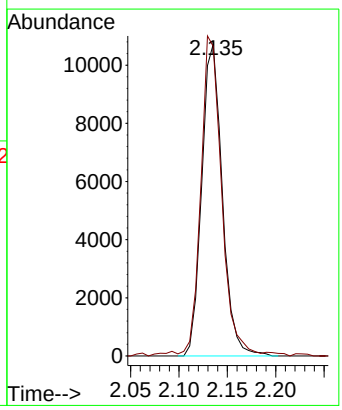


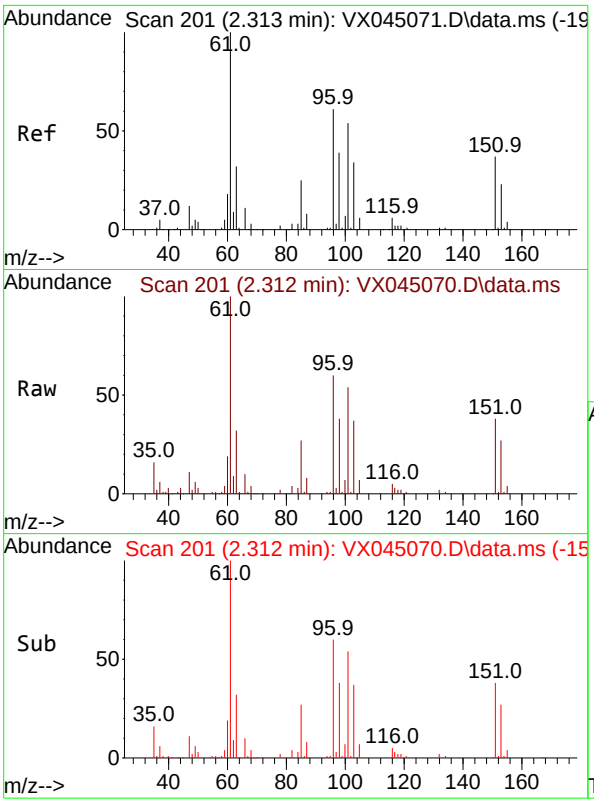


#8
Diethyl Ether
Concen: 21.437 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 74 Resp: 15911

Ion	Ratio	Lower	Upper
74	100		
45	105.3	51.5	154.5



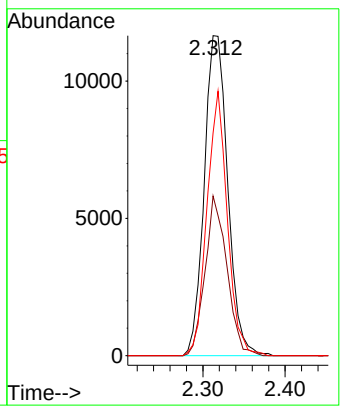


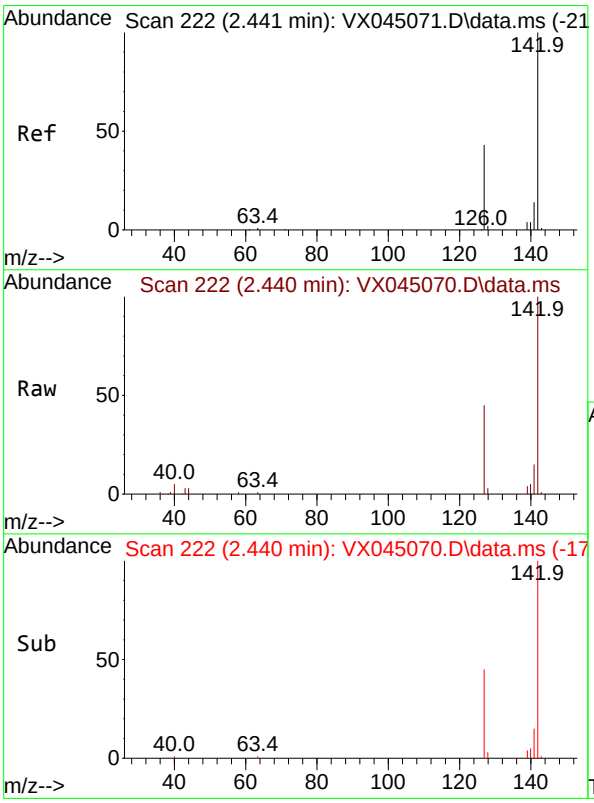
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.984 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

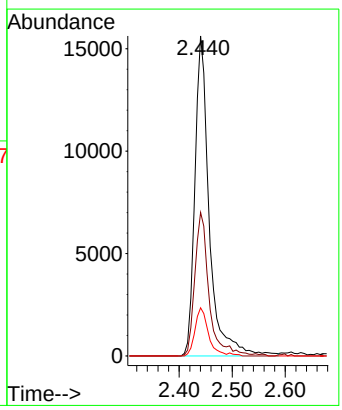


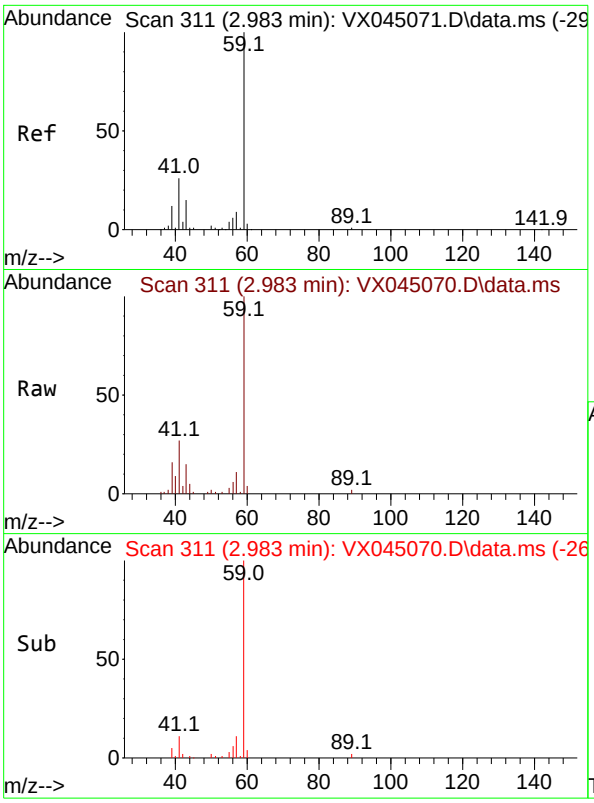


#10
Methyl Iodide
Concen: 18.867 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



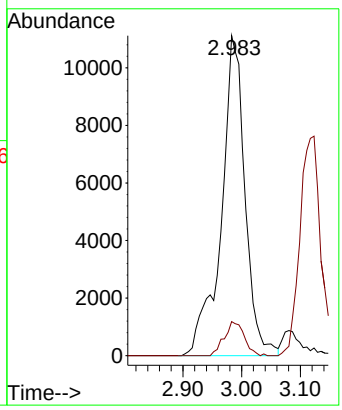


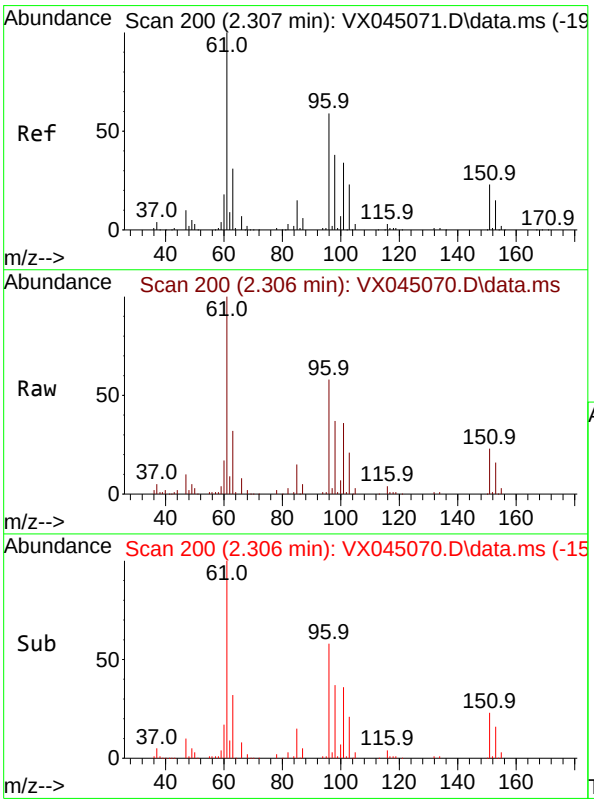
#11
Tert butyl alcohol
Concen: 118.627 ug/l
RT: 2.983 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 31246

Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.8	11.8

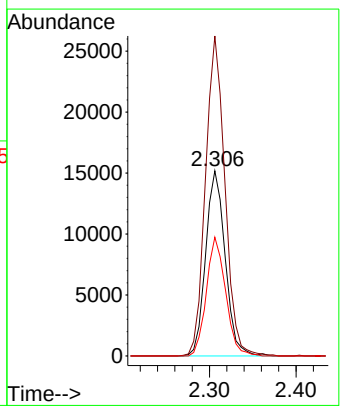


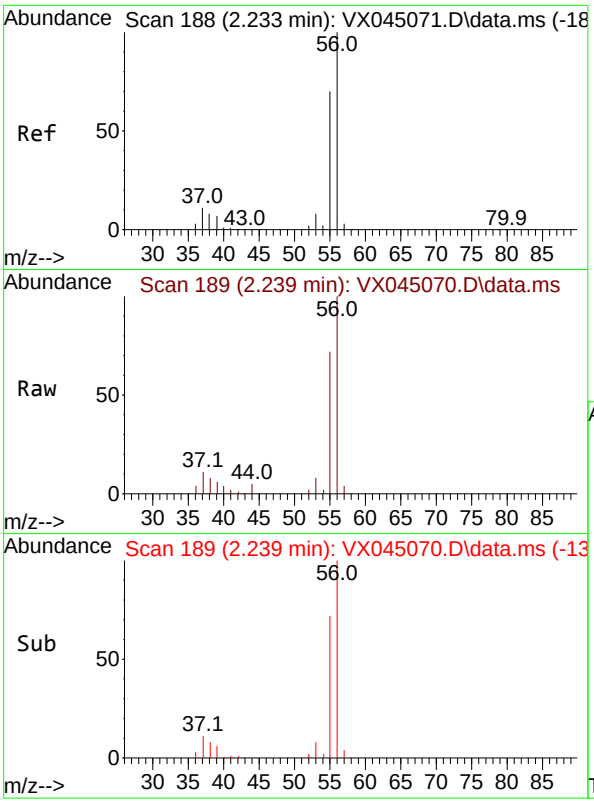


#12
1,1-Dichloroethene
Concen: 19.014 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



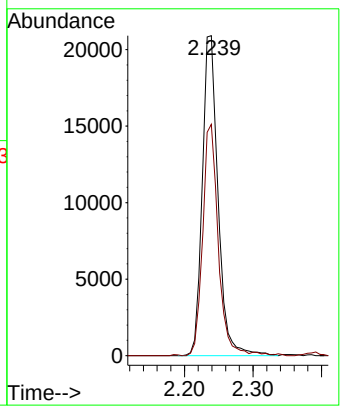


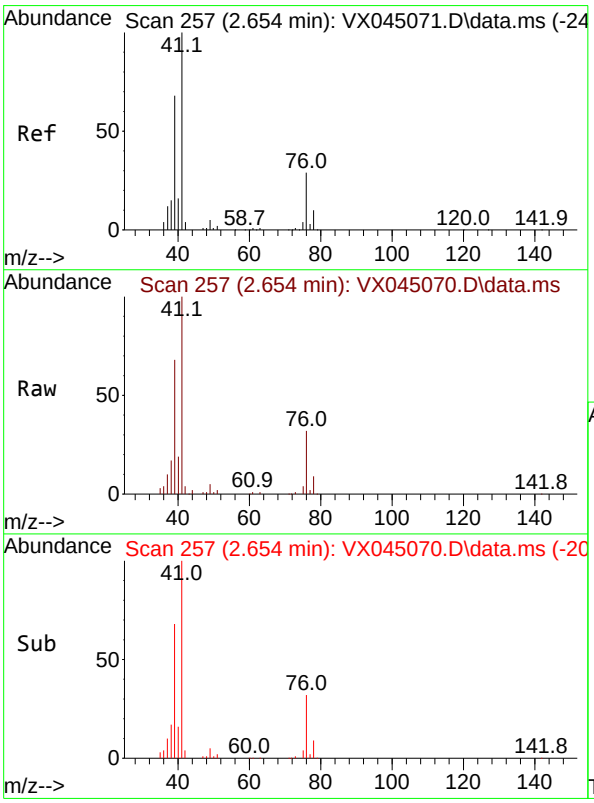
#13
Acrolein
Concen: 117.747 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 33586

Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.4

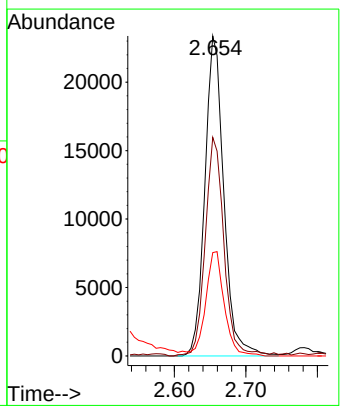


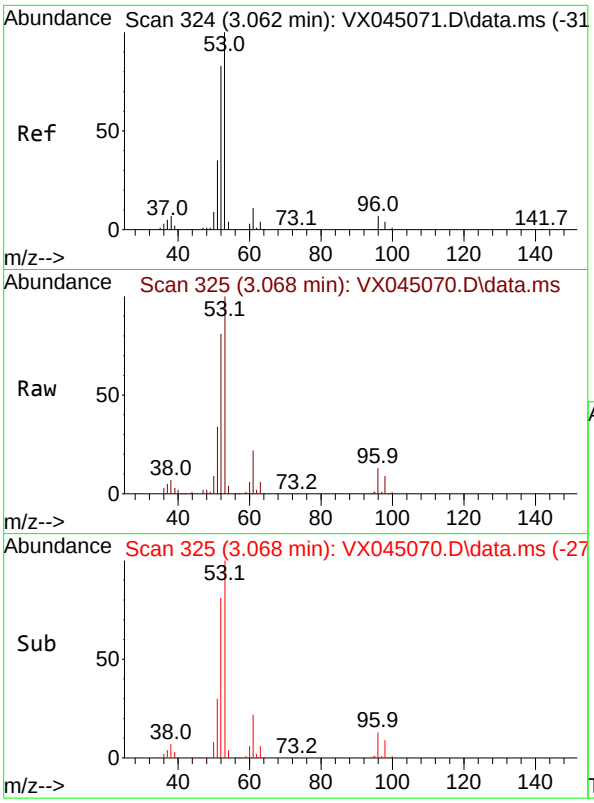


#14
Allyl chloride
Concen: 19.096 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



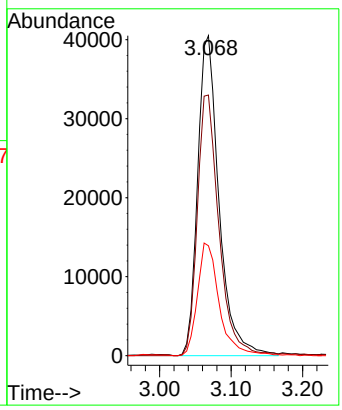


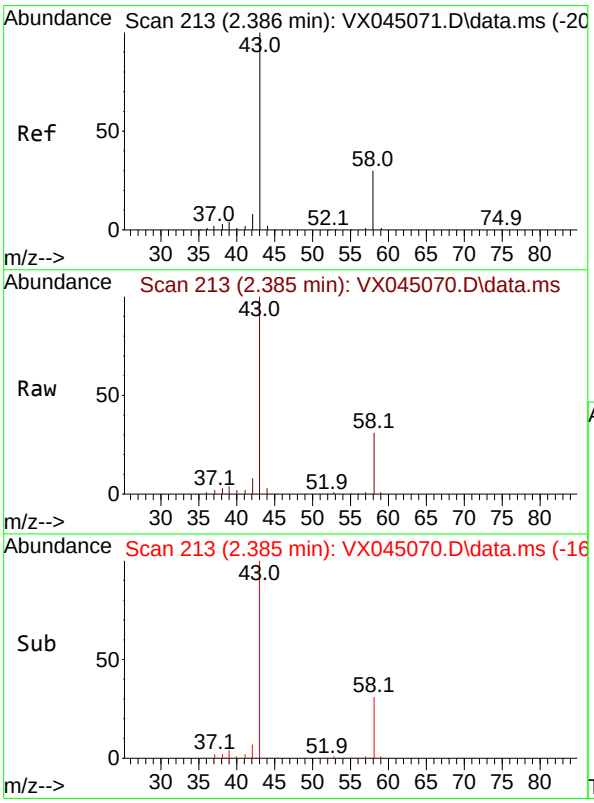
#15
Acrylonitrile
Concen: 117.598 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

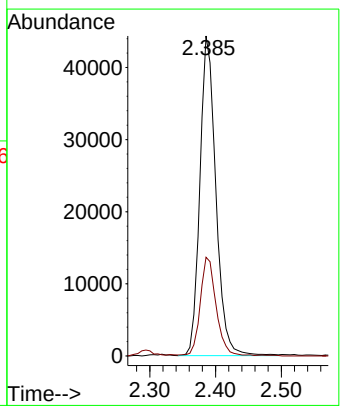


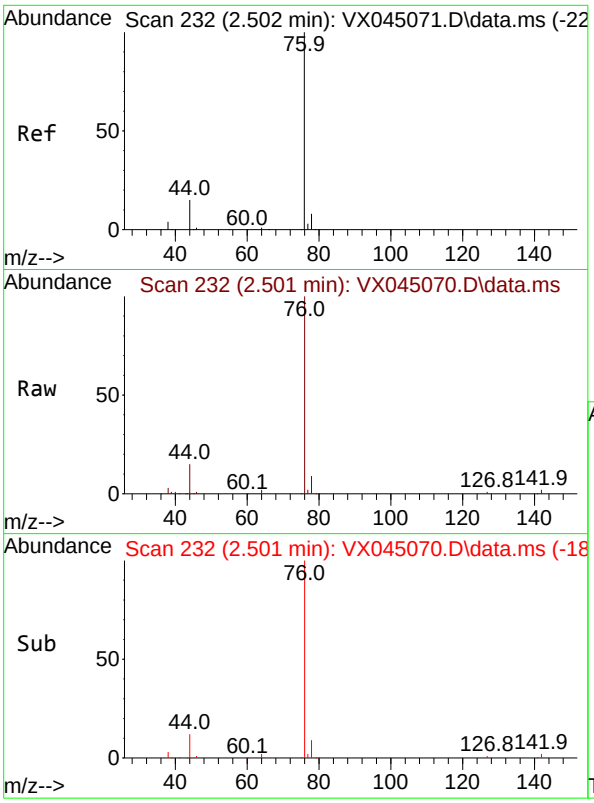


#16
Acetone
Concen: 126.257 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 74701

Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.2	36.4



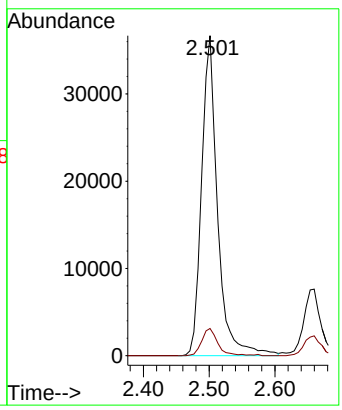


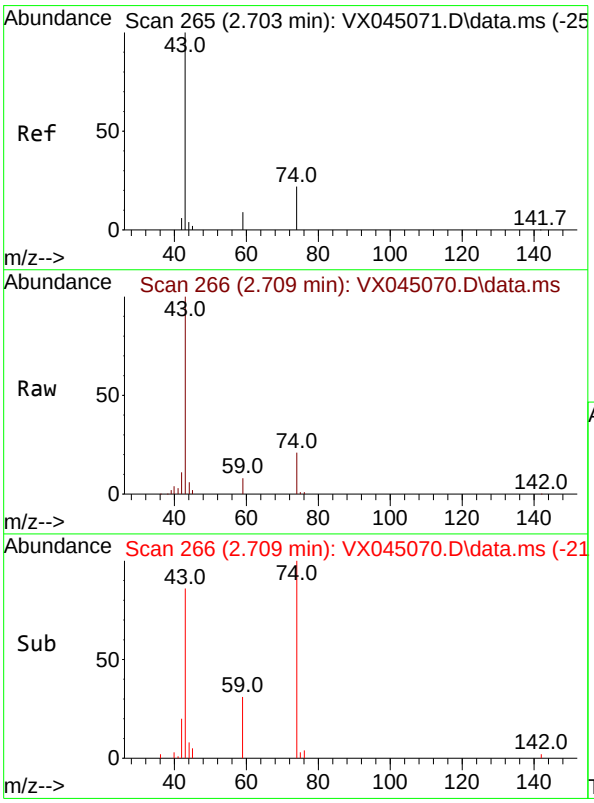
#17
Carbon Disulfide
Concen: 18.139 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 61802

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.6	9.8

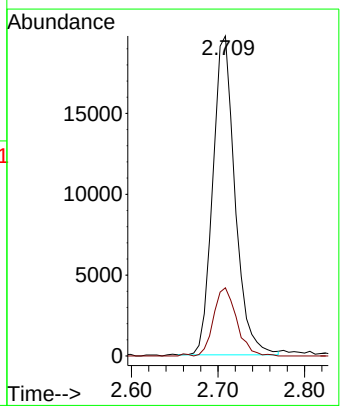


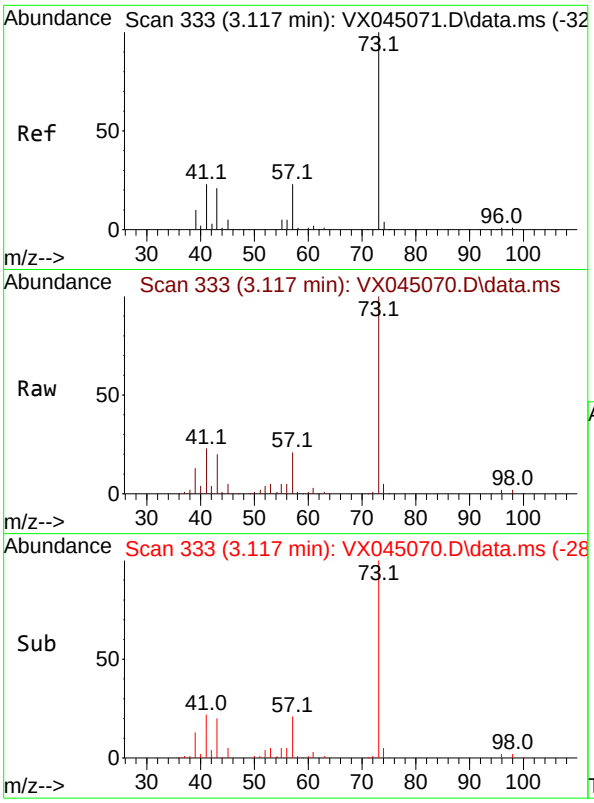


#18
Methyl Acetate
Concen: 19.729 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 43 Resp: 35157

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2



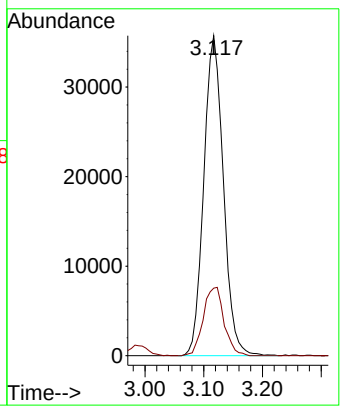


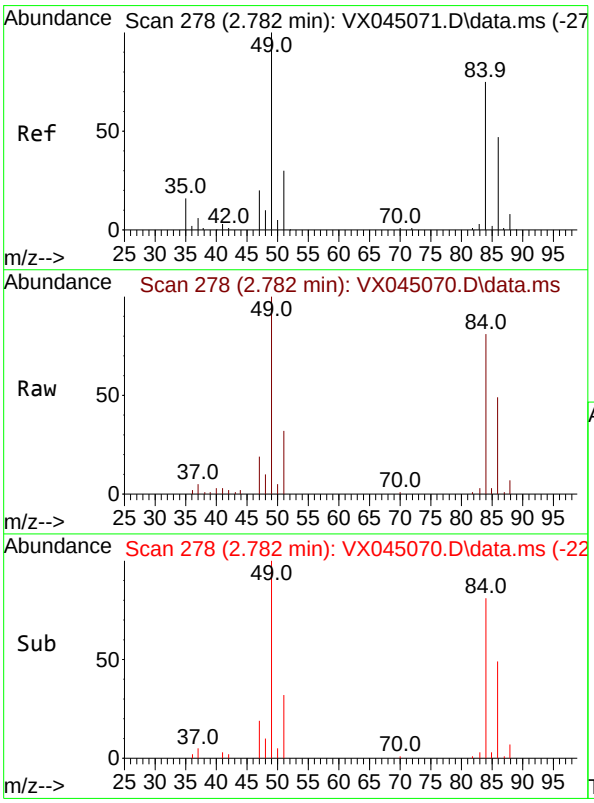
#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 82833

Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.5	27.7

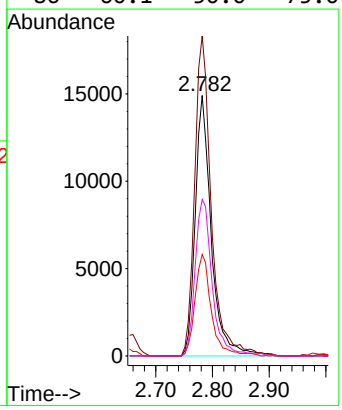


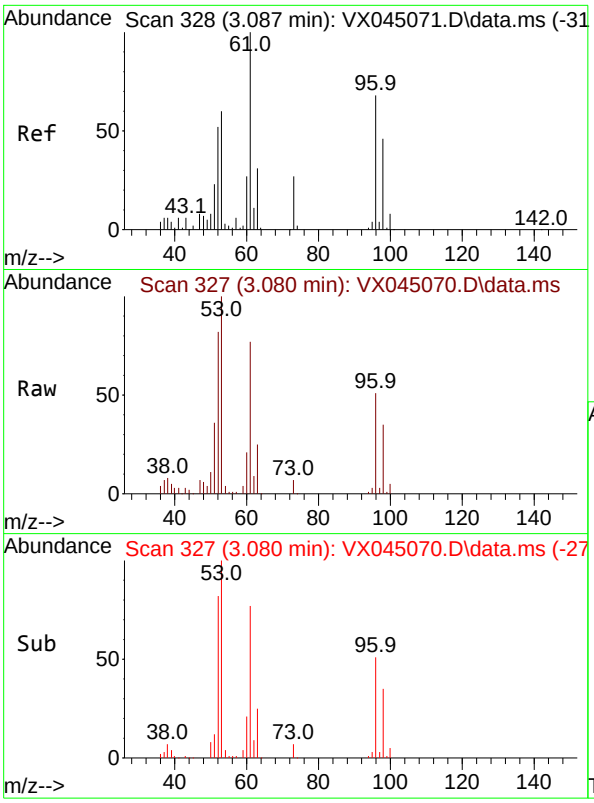


#20
Methylene Chloride
Concen: 20.895 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



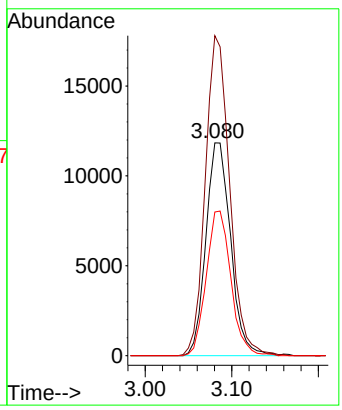


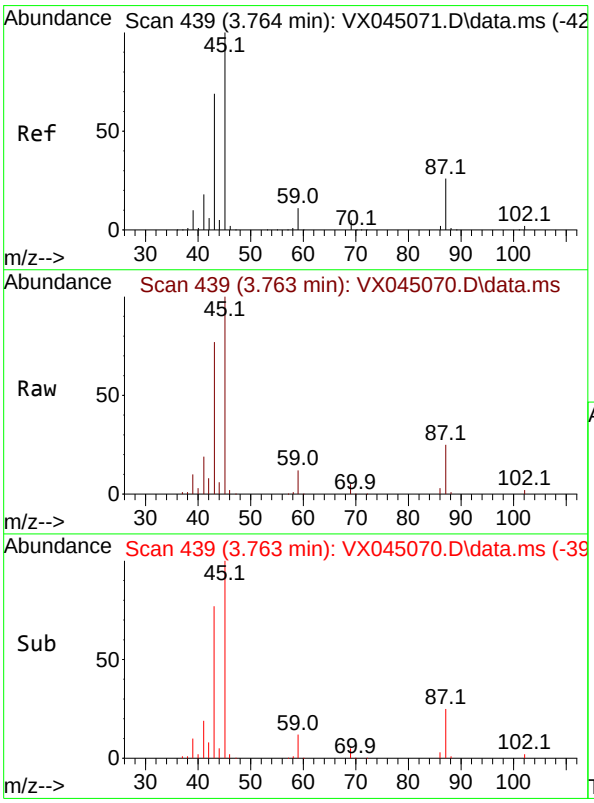
#21
trans-1,2-Dichloroethene
Concen: 19.057 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

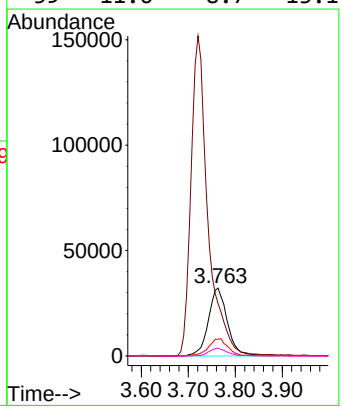


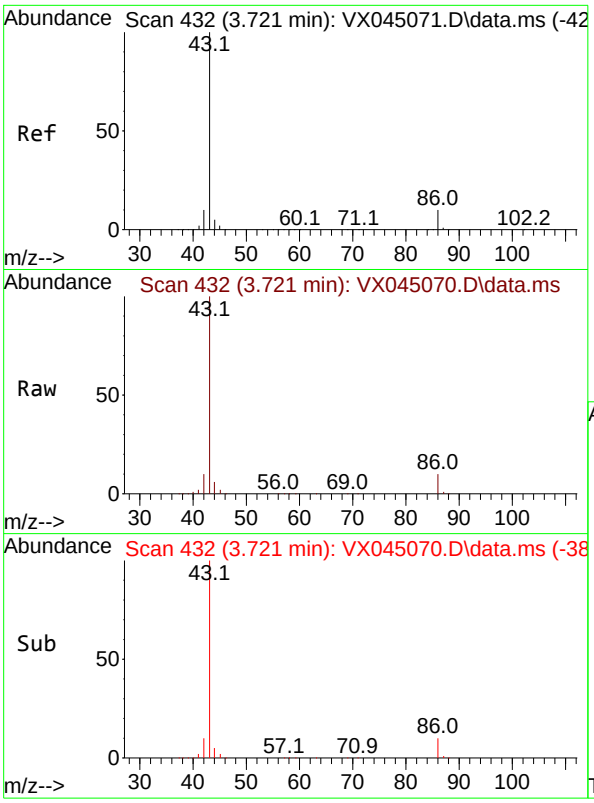


#22
Diisopropyl ether
Concen: 20.995 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



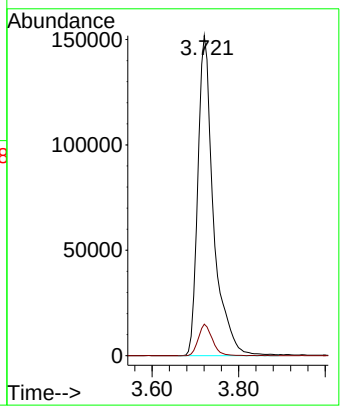


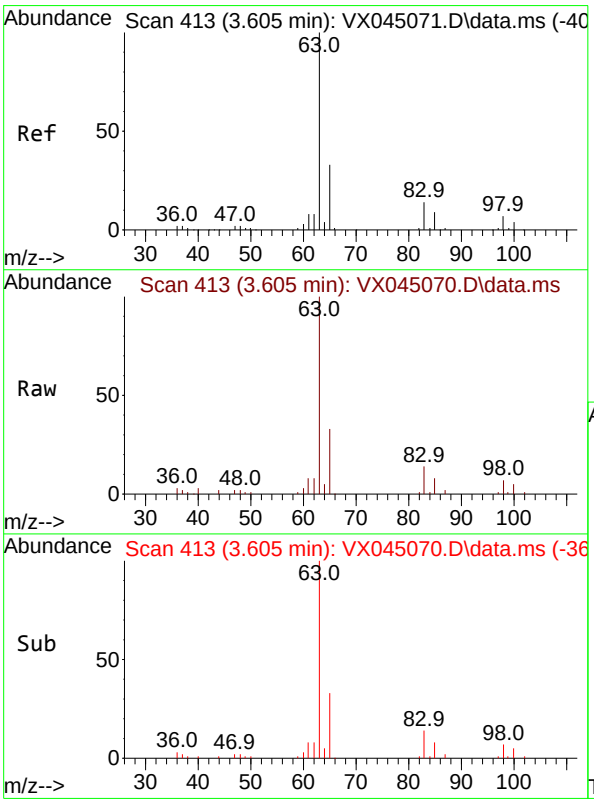
#23
Vinyl Acetate
Concen: 108.038 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 381808

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

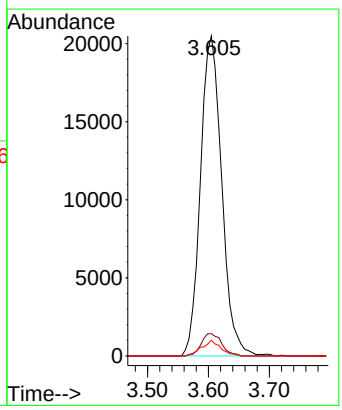


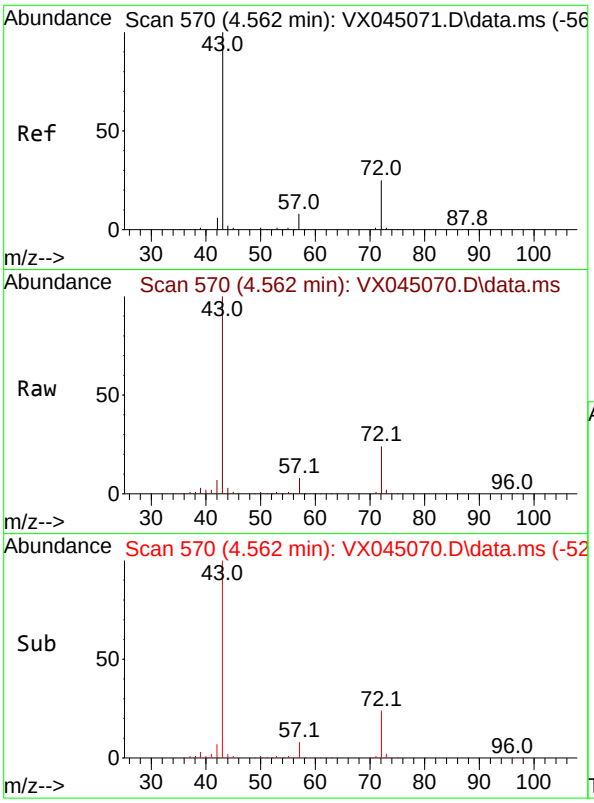


#24
1,1-Dichloroethane
Concen: 20.716 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



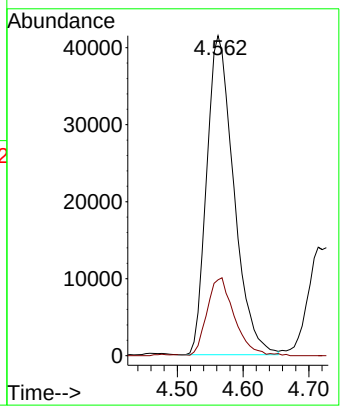


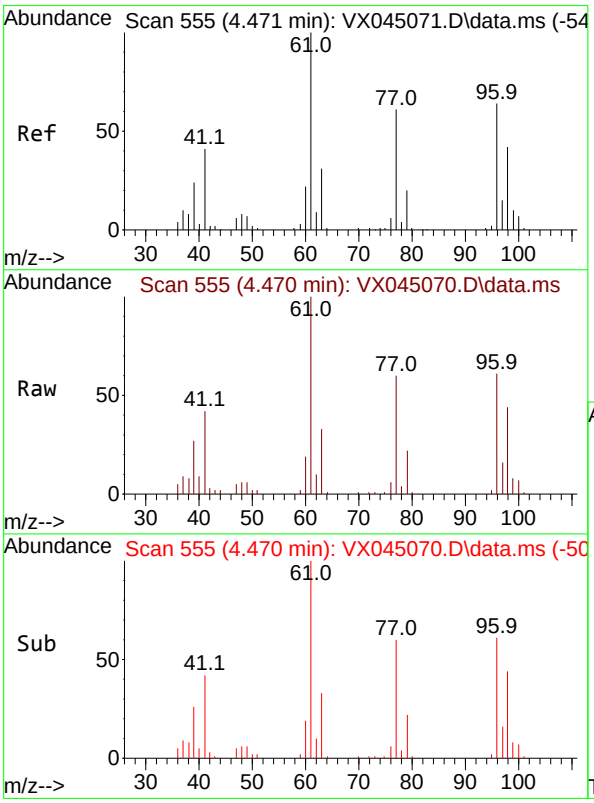
#25
2-Butanone
Concen: 124.449 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 118713

Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.0	30.0

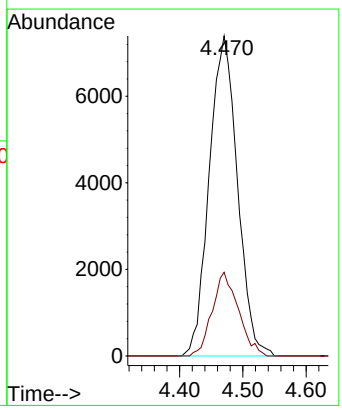


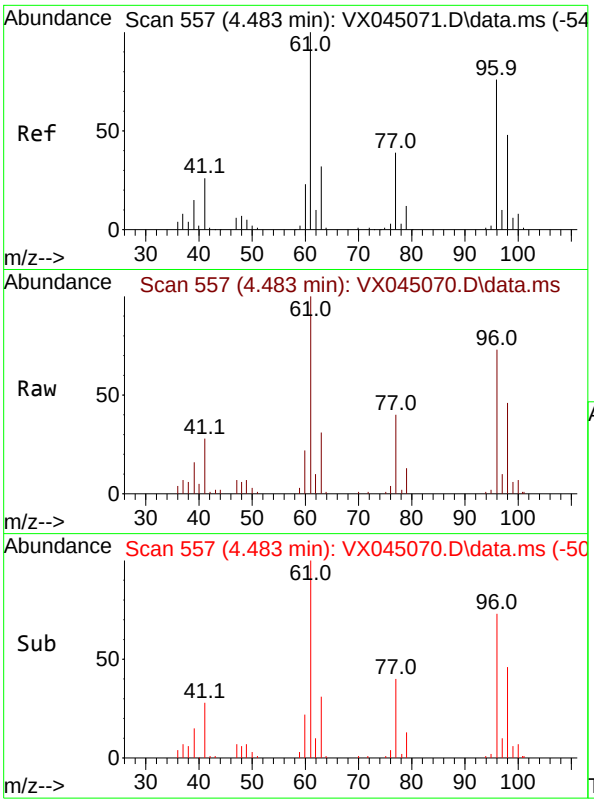


#26
2,2-Dichloropropane
Concen: 12.799 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 77 Resp: 22886

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0



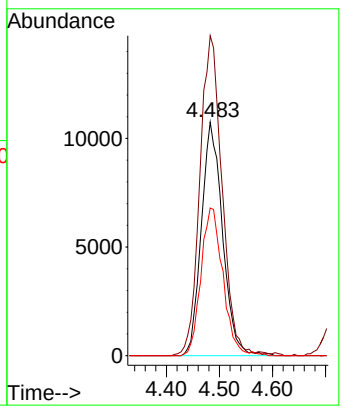


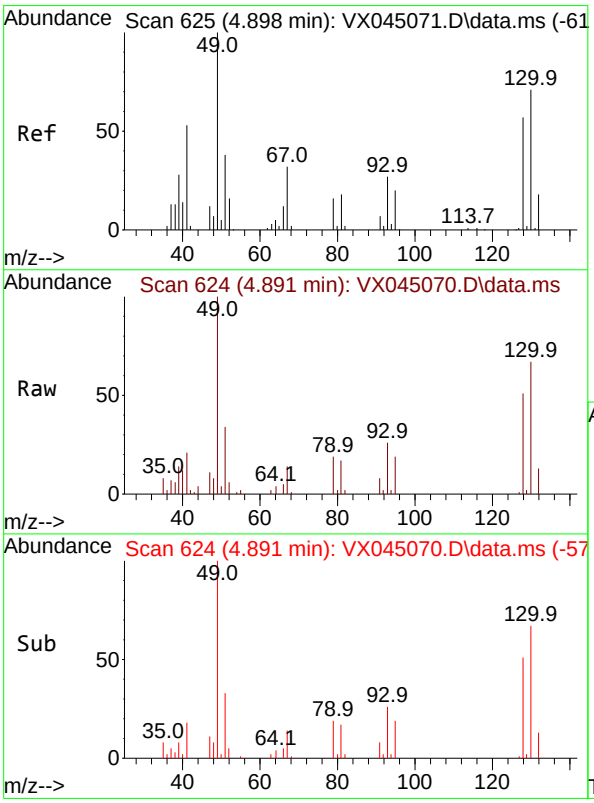
#27
cis-1,2-Dichloroethene
Concen: 20.065 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

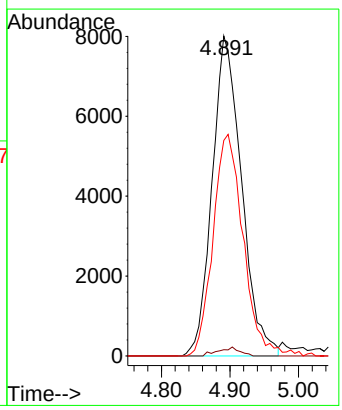


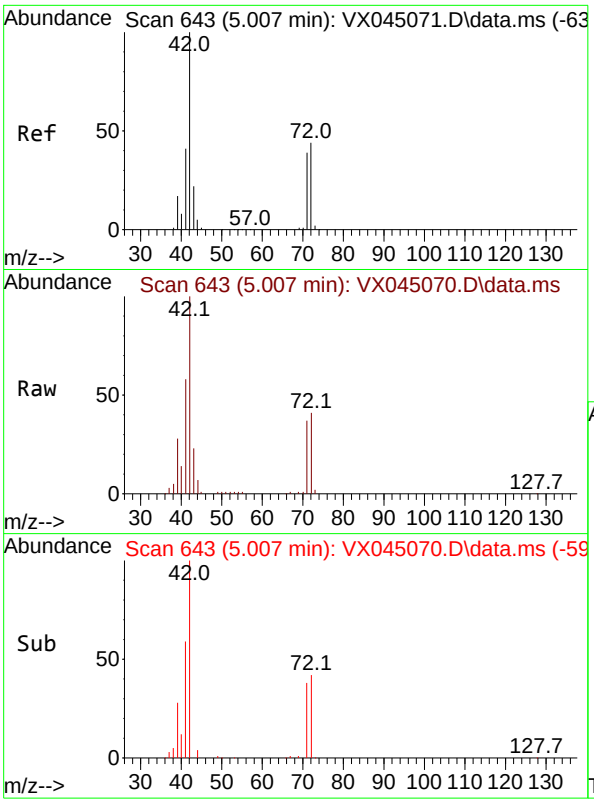


#28
Bromochloromethane
Concen: 20.579 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



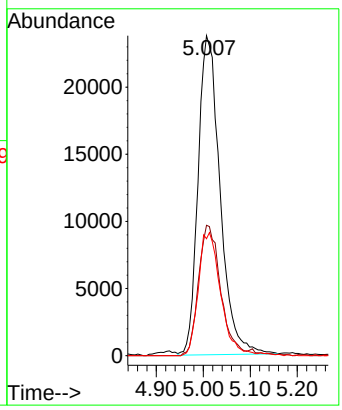


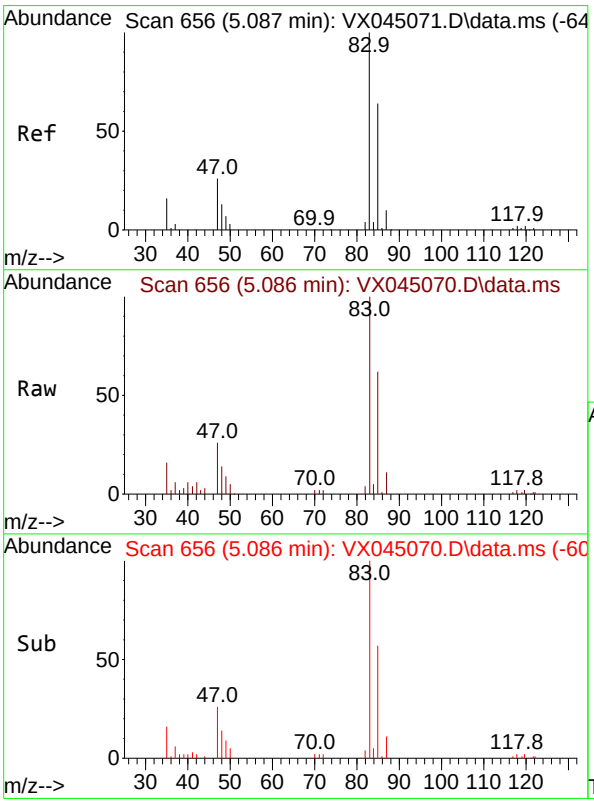
#29
Tetrahydrofuran
Concen: 122.519 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

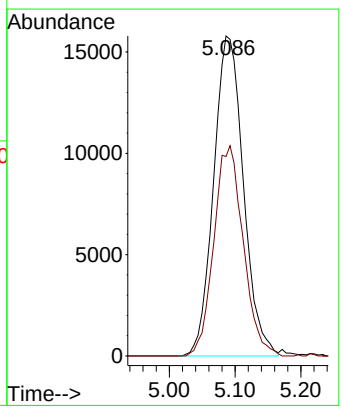


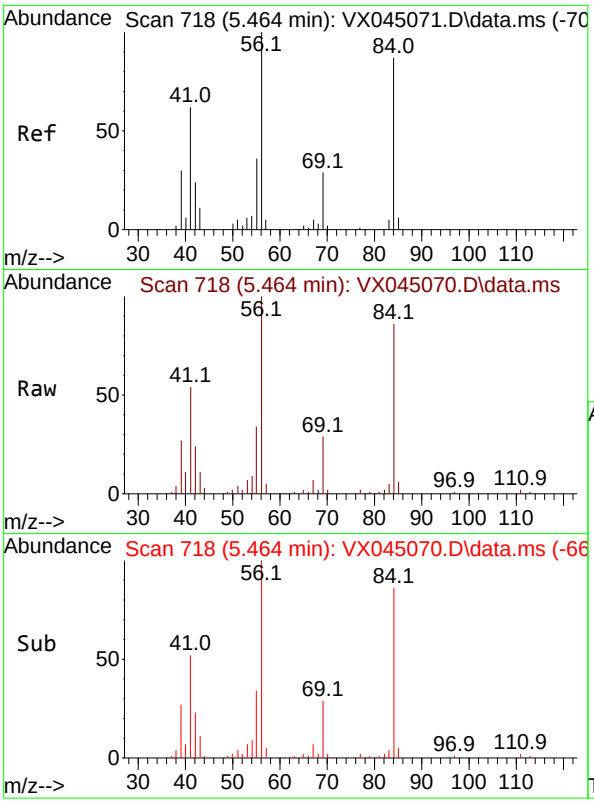


#30
Chloroform
Concen: 21.147 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 83 Resp: 49751

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.4	77.2



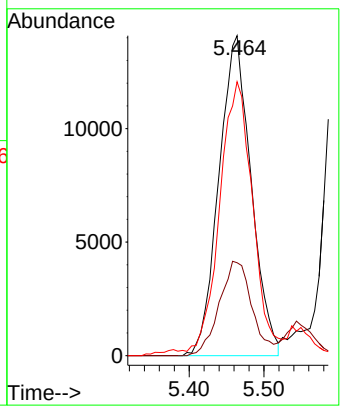


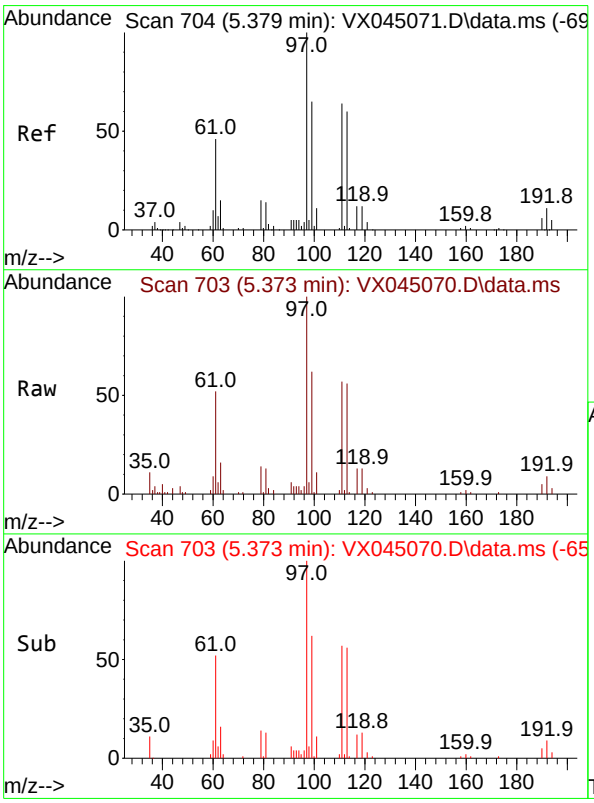
#31
Cyclohexane
Concen: 19.181 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

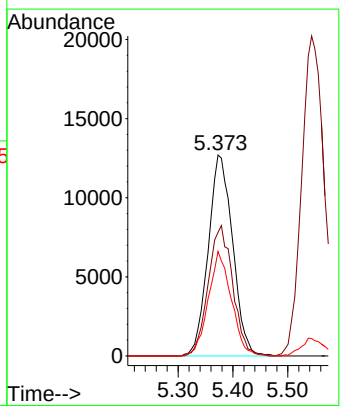


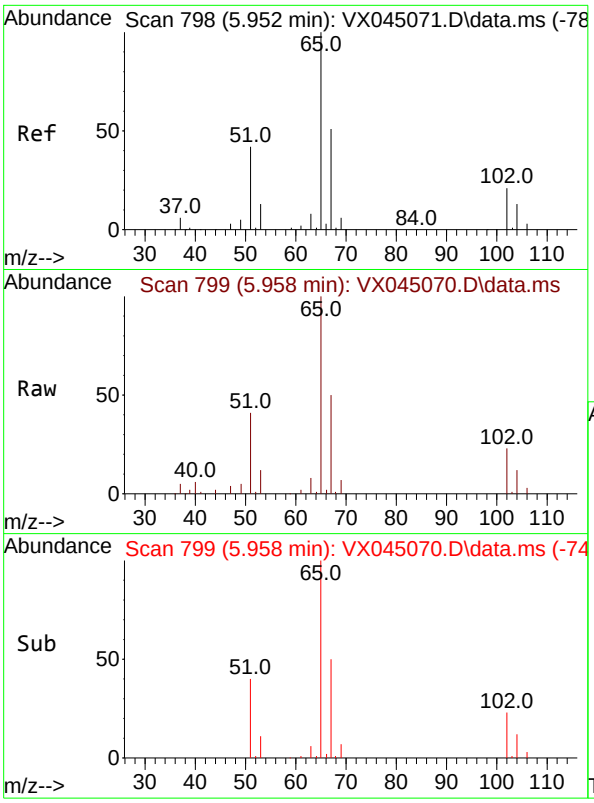


#32
1,1,1-Trichloroethane
Concen: 19.831 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



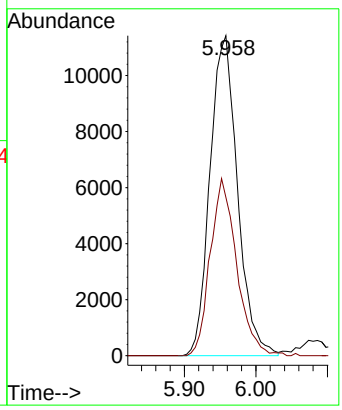


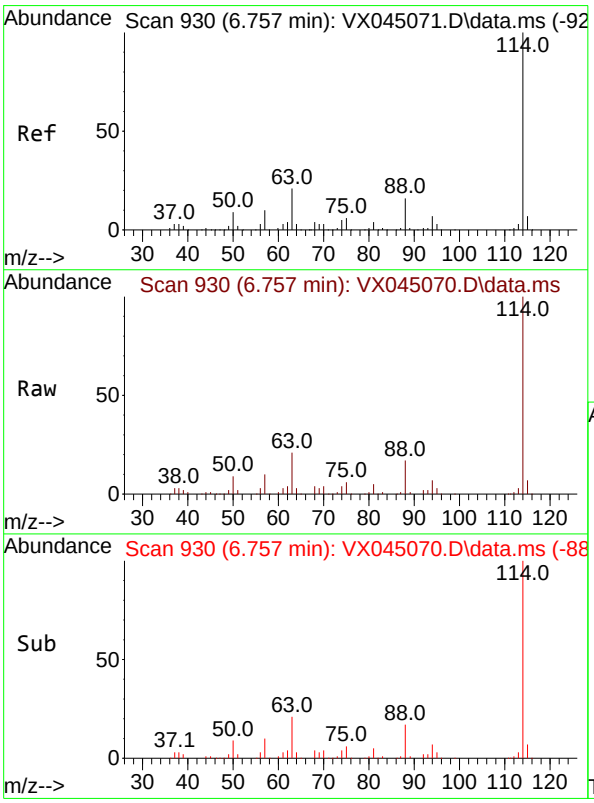
#33
1,2-Dichloroethane-d4
Concen: 21.221 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 30514

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.2

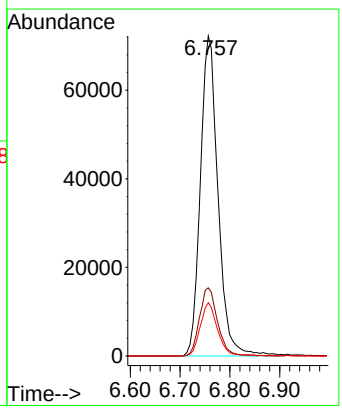


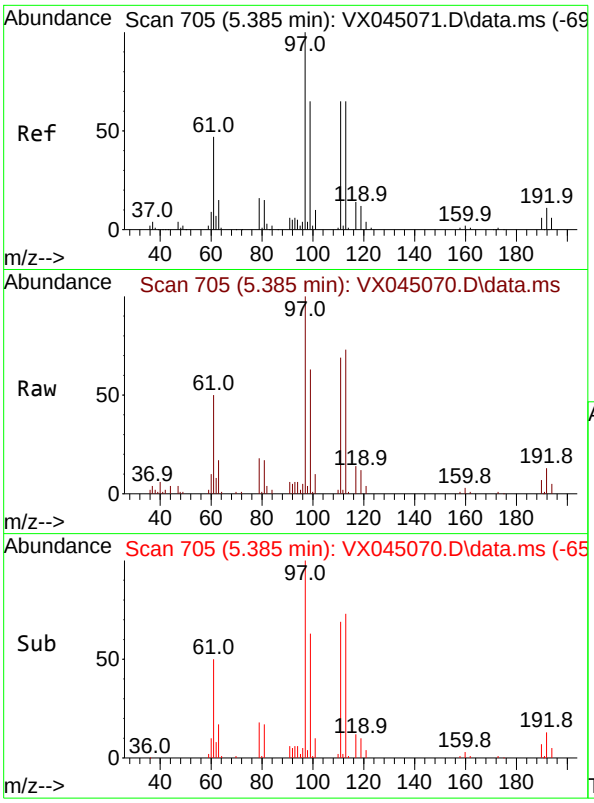


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



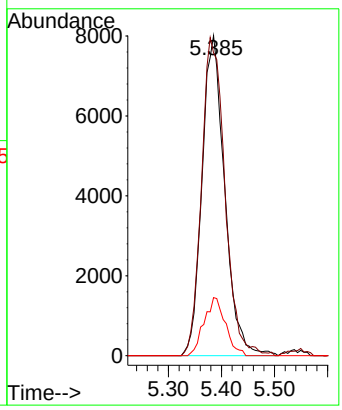


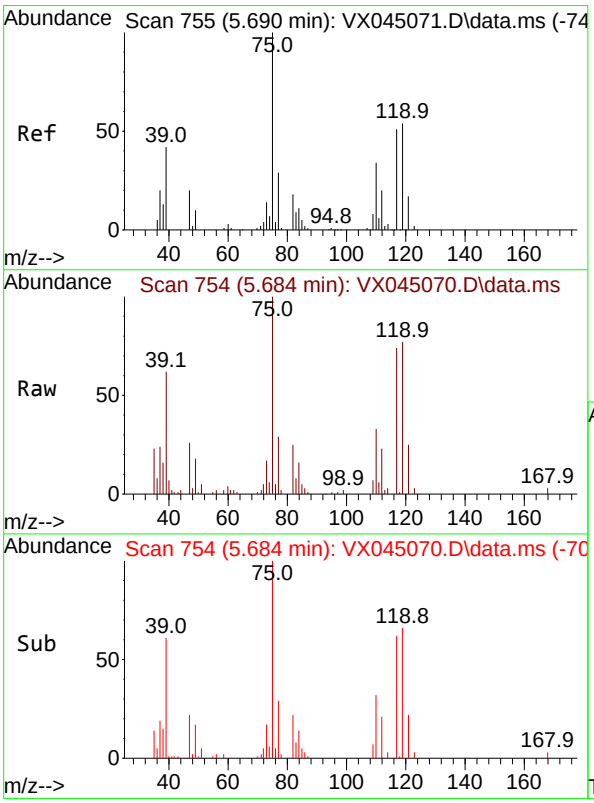
#35
Dibromofluoromethane
Concen: 20.473 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

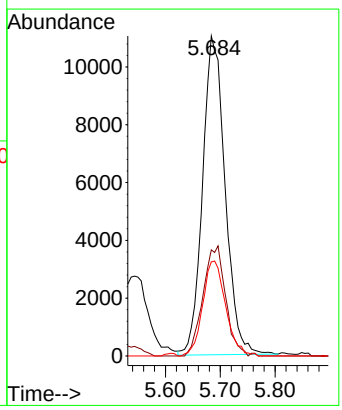


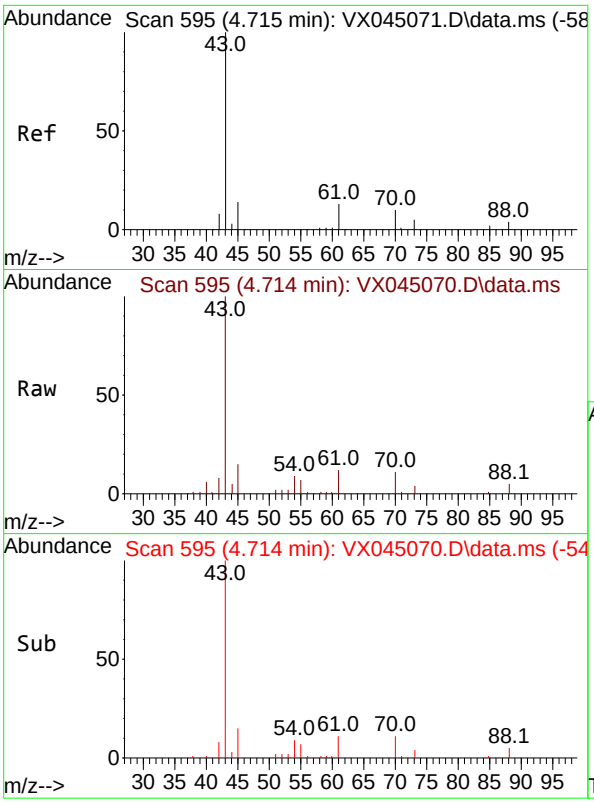


#36
1,1-Dichloropropene
Concen: 18.903 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



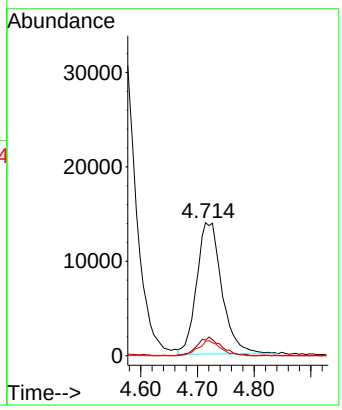


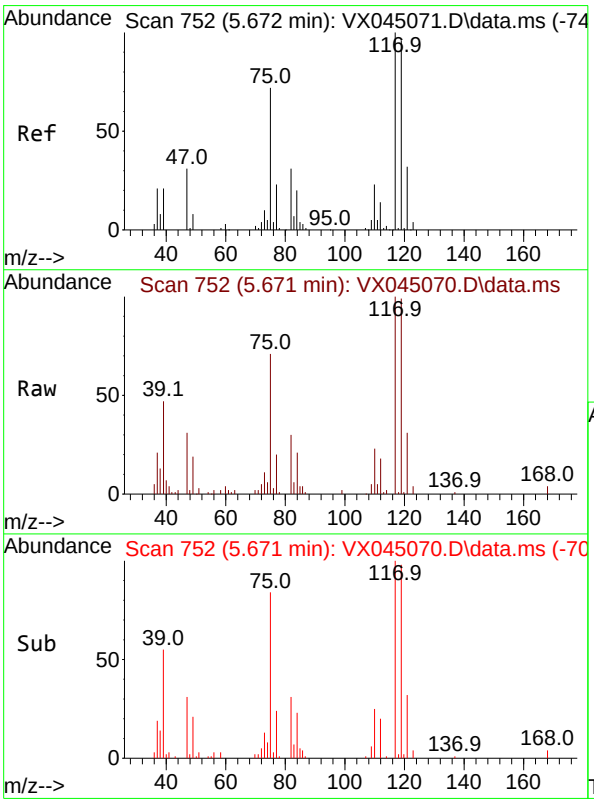
#37
Ethyl Acetate
Concen: 22.714 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

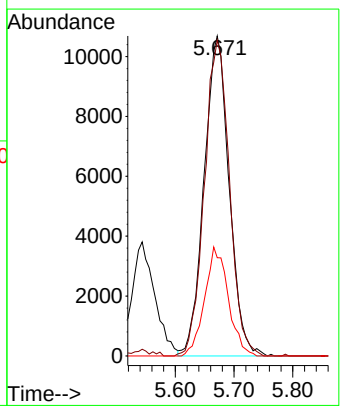


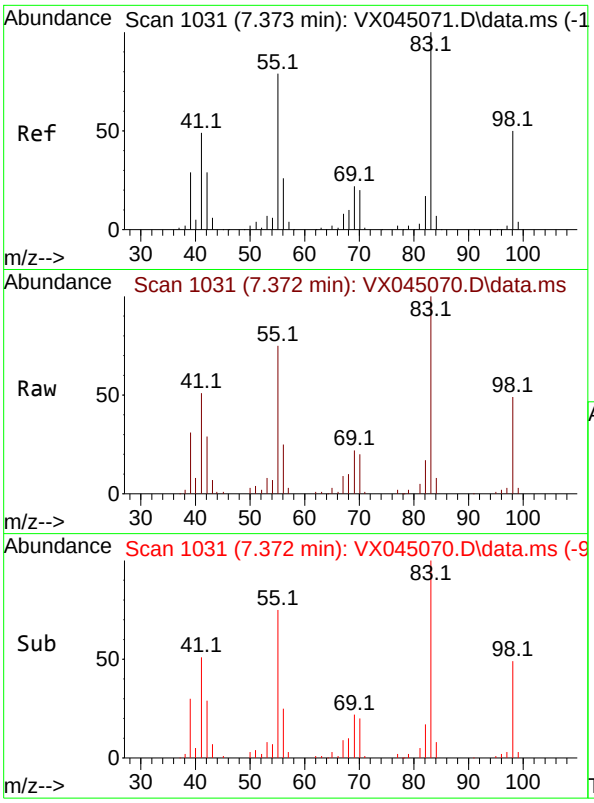


#38
Carbon Tetrachloride
Concen: 19.334 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



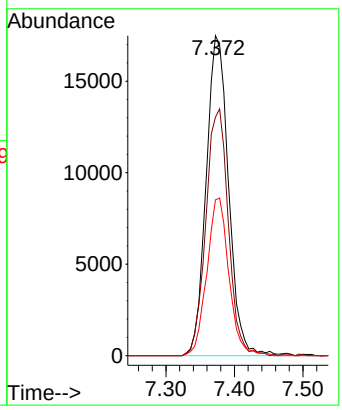


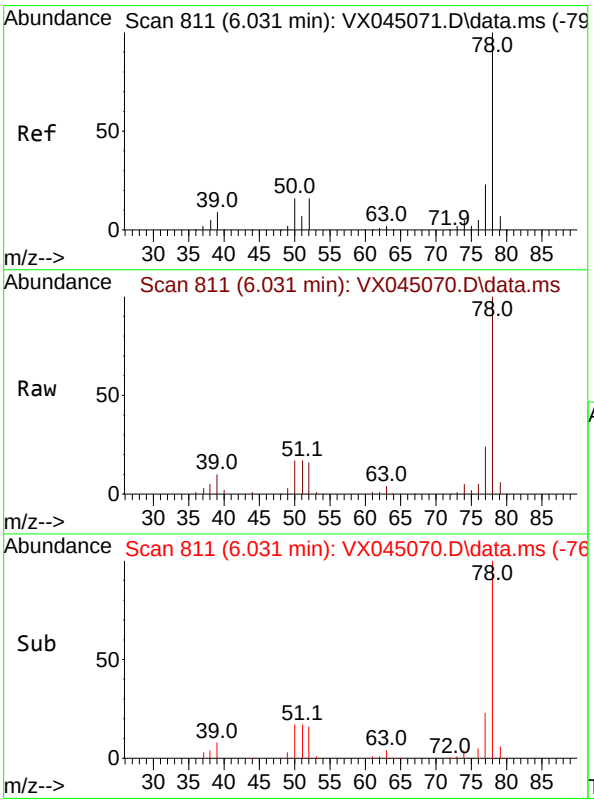
#39
Methylcyclohexane
Concen: 18.676 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

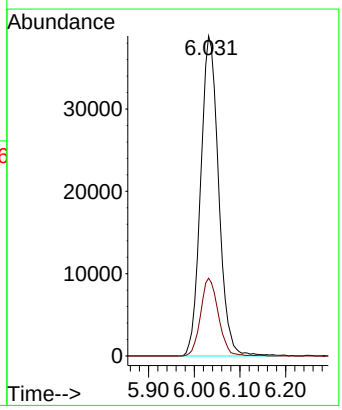


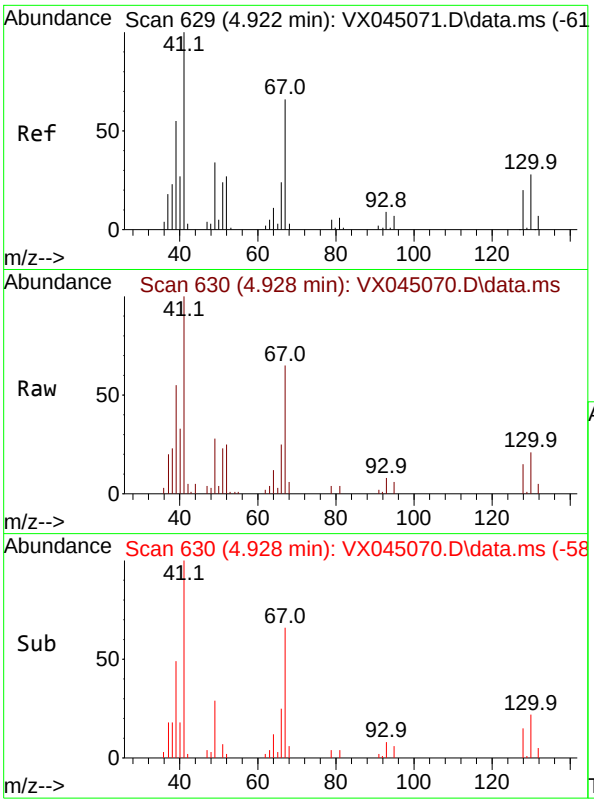


#40
Benzene
Concen: 20.298 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 78 Resp: 105787

Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2



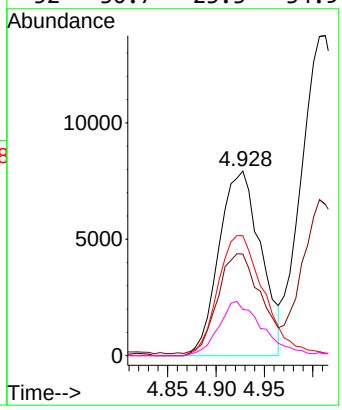


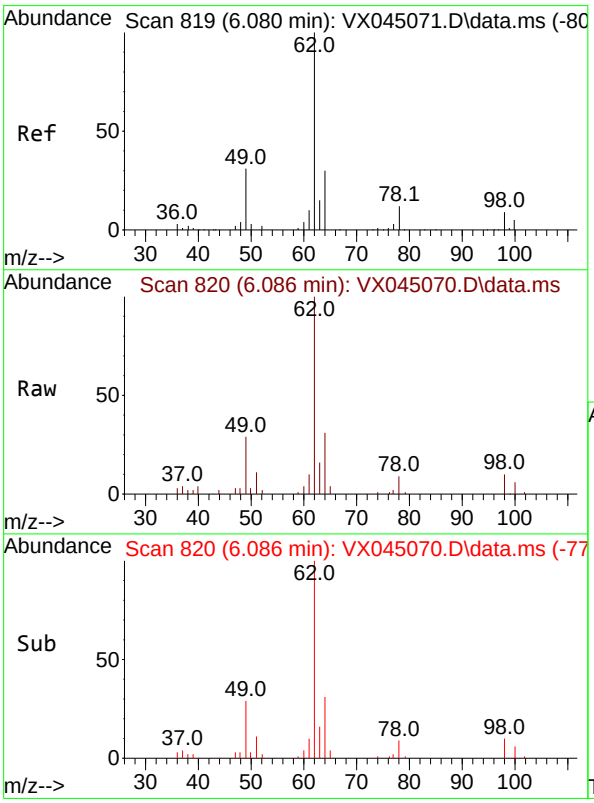
#41
Methacrylonitrile
Concen: 23.605 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

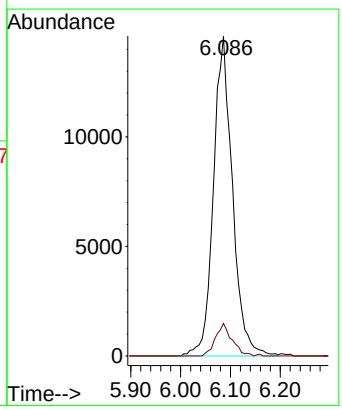


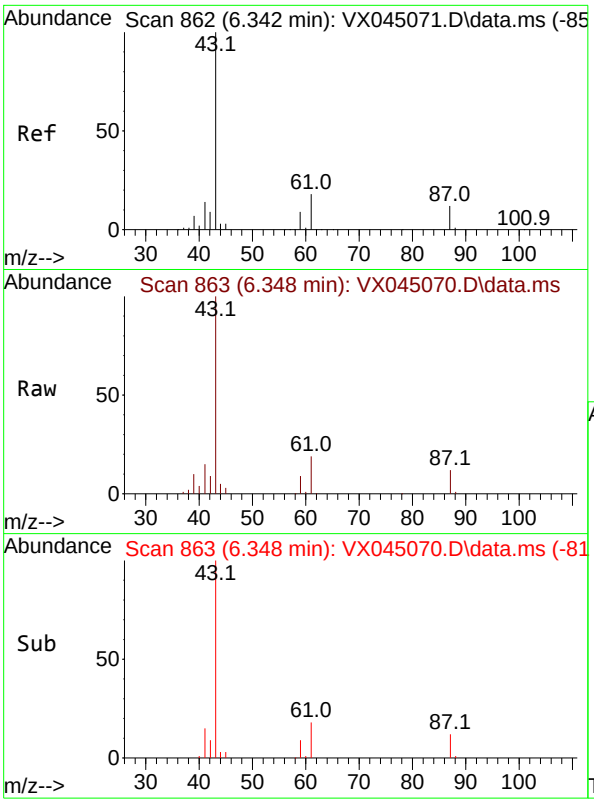


#42
1,2-Dichloroethane
Concen: 22.886 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 62 Resp: 38653

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



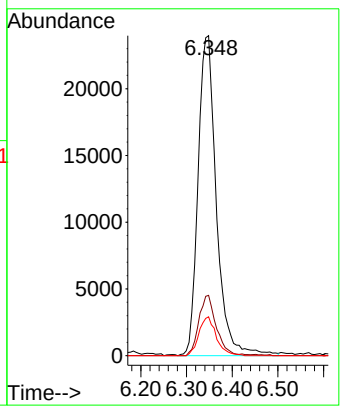


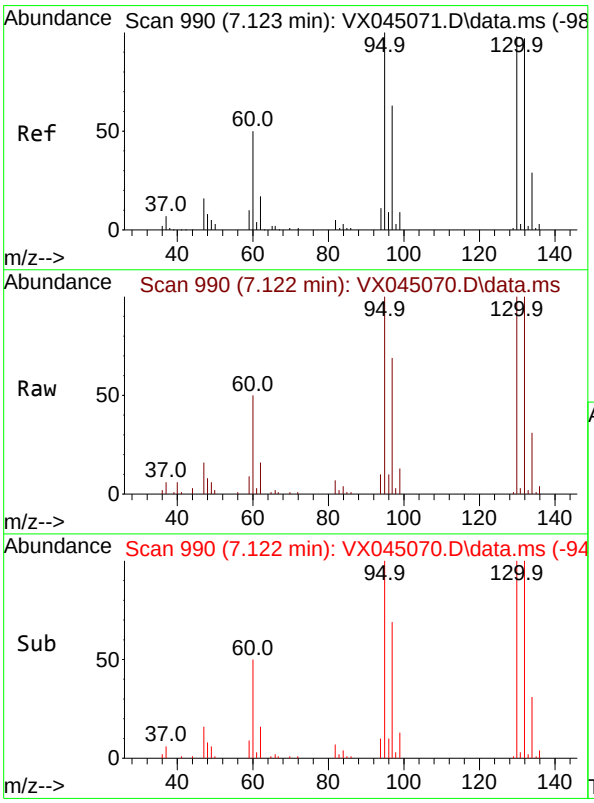
#43
Isopropyl Acetate
Concen: 22.094 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

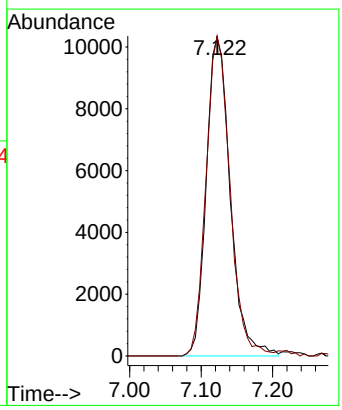


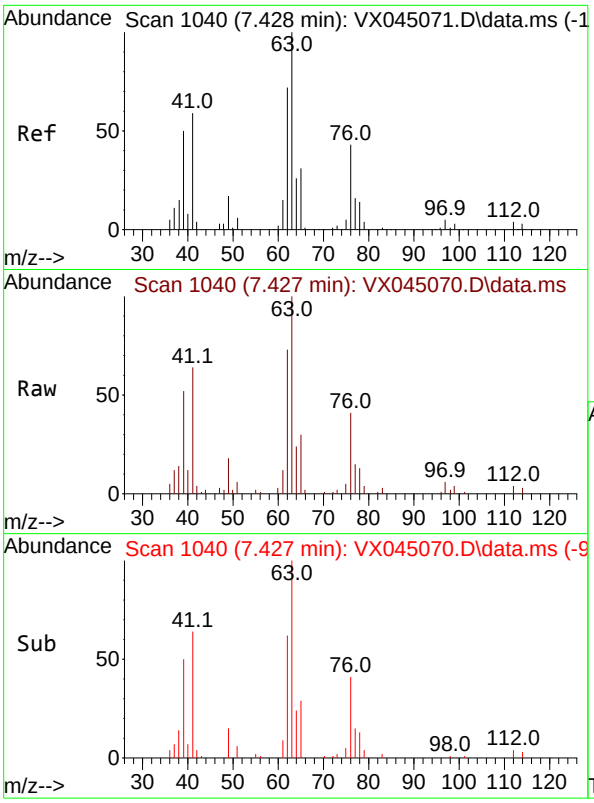


#44
Trichloroethene
Concen: 20.191 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:130 Resp: 24052

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	205.0



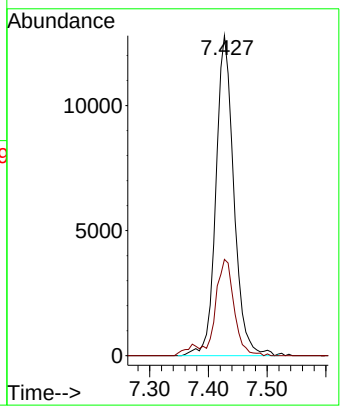


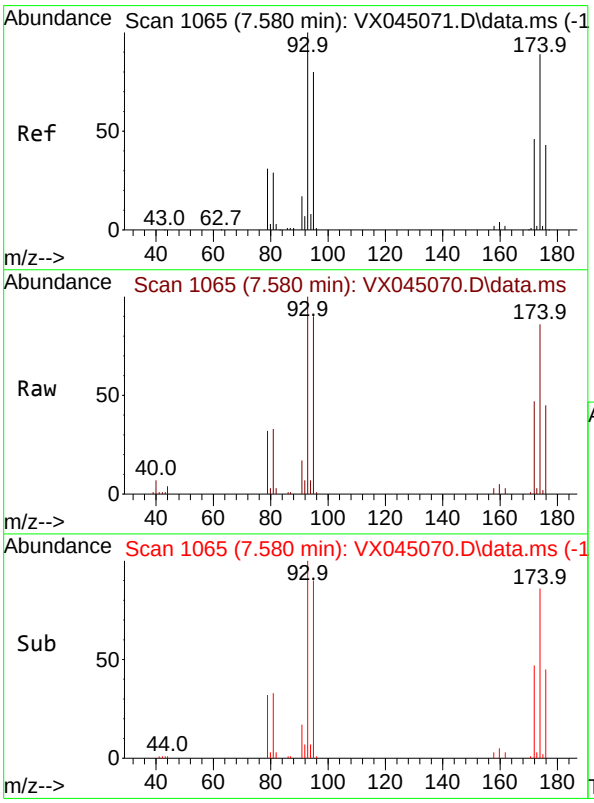
#45
1,2-Dichloropropane
Concen: 20.945 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 27128

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.7	37.1

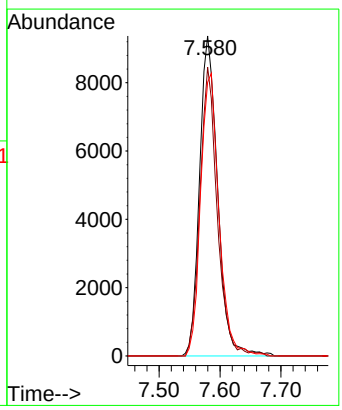


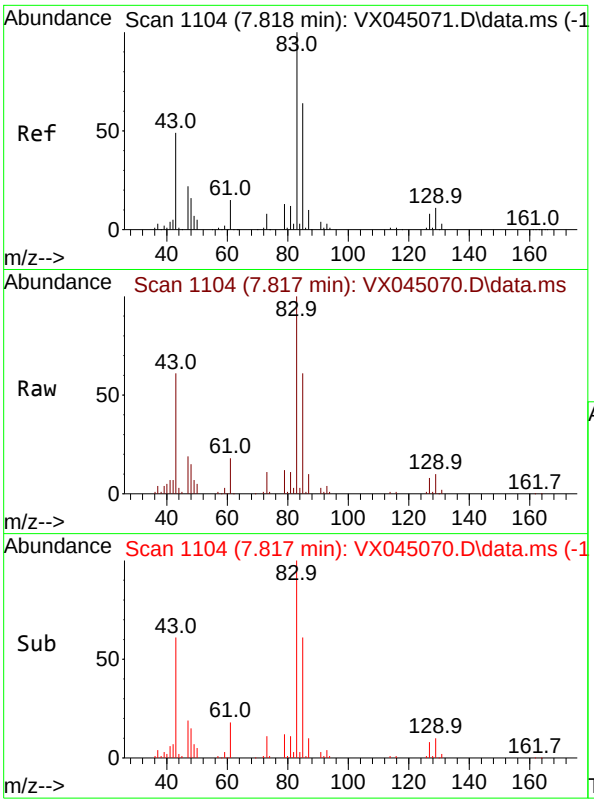


#46
Dibromomethane
Concen: 21.357 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



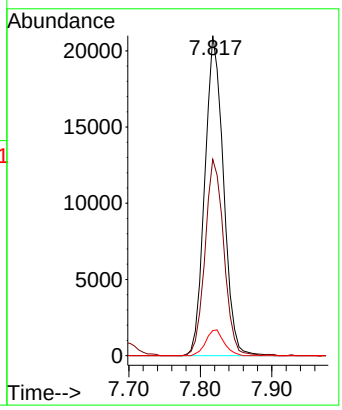


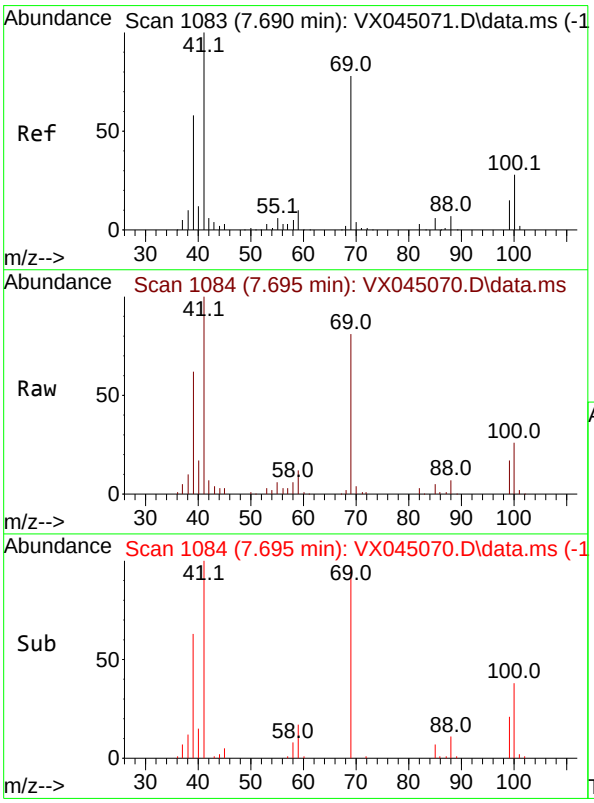
#47
Bromodichloromethane
Concen: 21.732 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

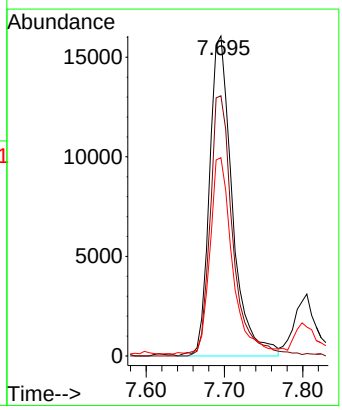


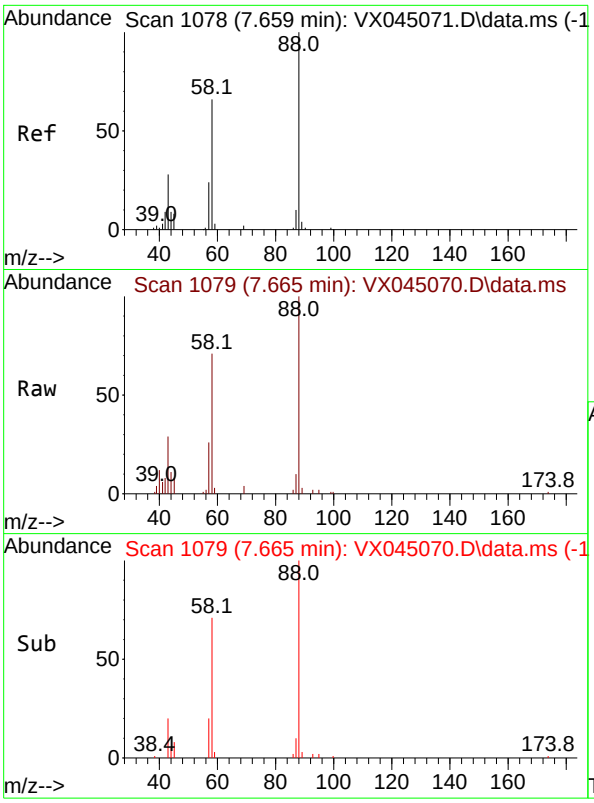


#48
Methyl methacrylate
Concen: 22.757 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



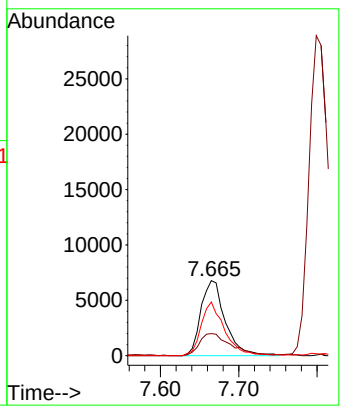


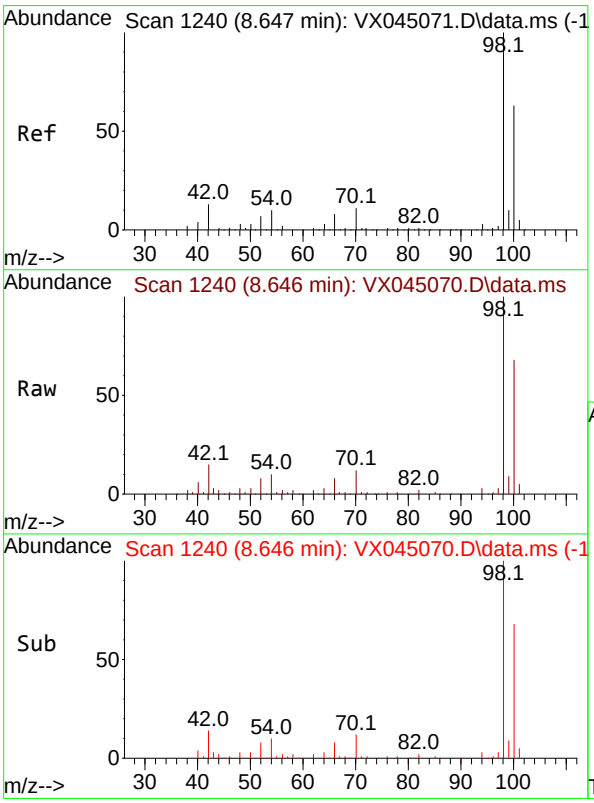
#49
1,4-Dioxane
Concen: 479.170 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

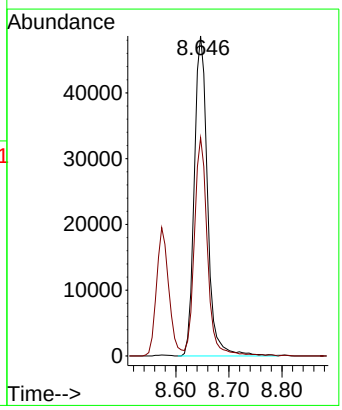


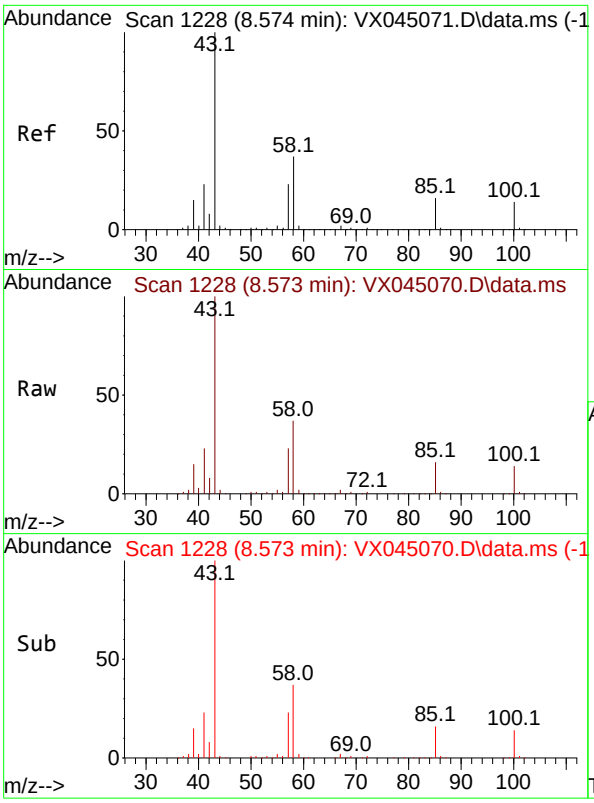


#50
Toluene-d8
Concen: 19.469 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 98 Resp: 84516

Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.0	78.0



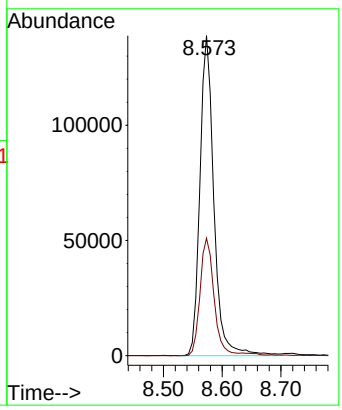


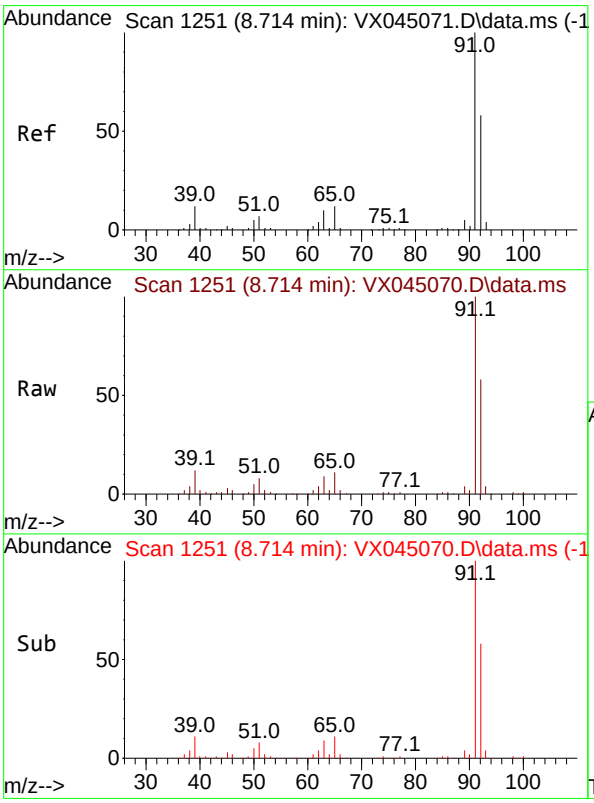
#51
4-Methyl-2-Pentanone
Concen: 124.081 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 229615

Ion	Ratio	Lower	Upper
43	100		
58	37.5	29.2	43.8

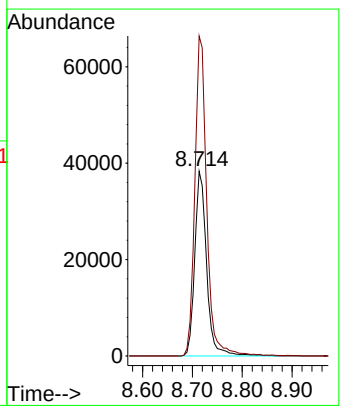


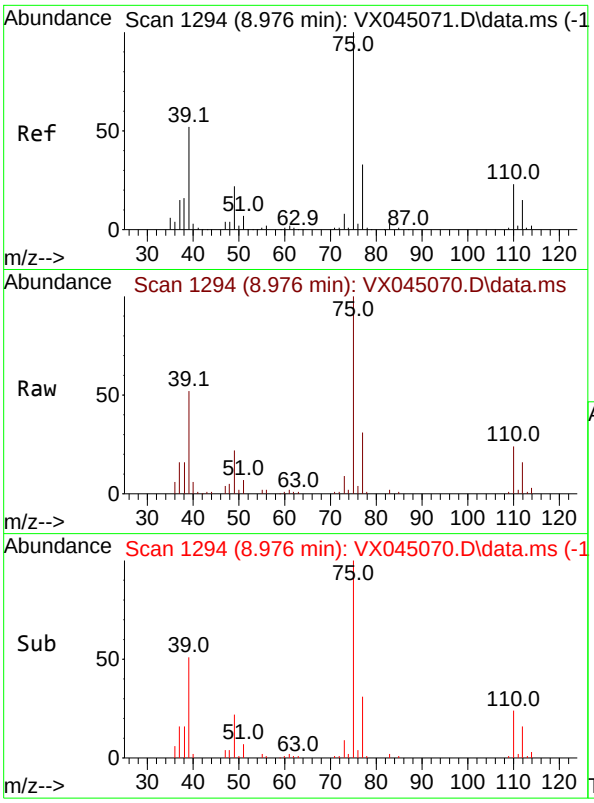


#52
Toluene
Concen: 20.463 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 92 Resp: 63326

Ion	Ratio	Lower	Upper
92	100		
91	173.7	138.9	208.3



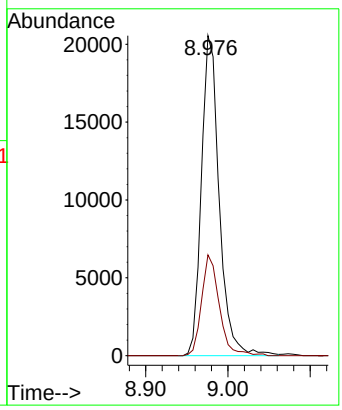


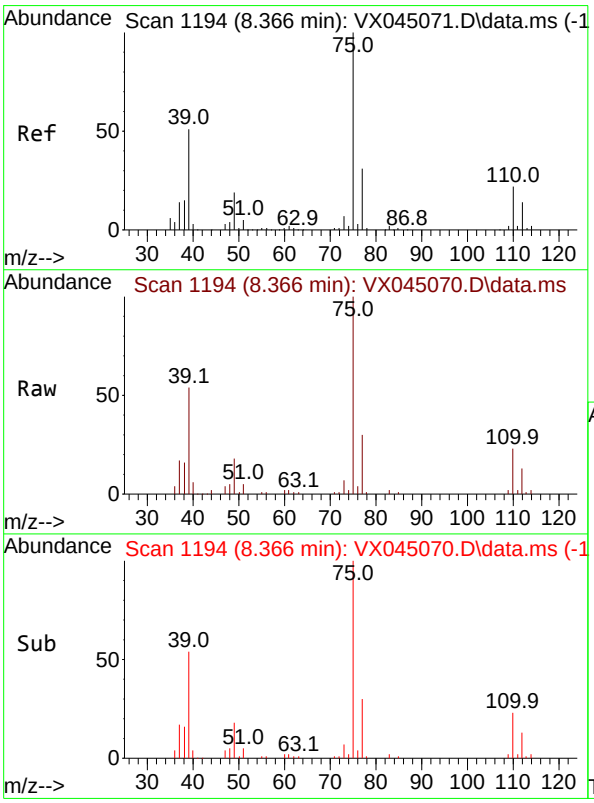
#53
t-1,3-Dichloropropene
Concen: 17.871 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 30917

Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.5	39.7

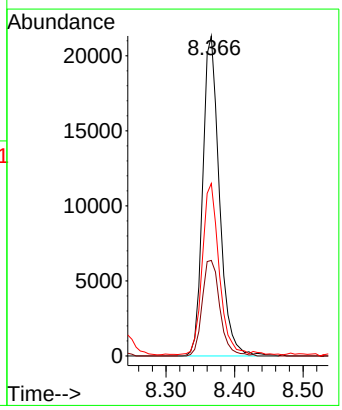


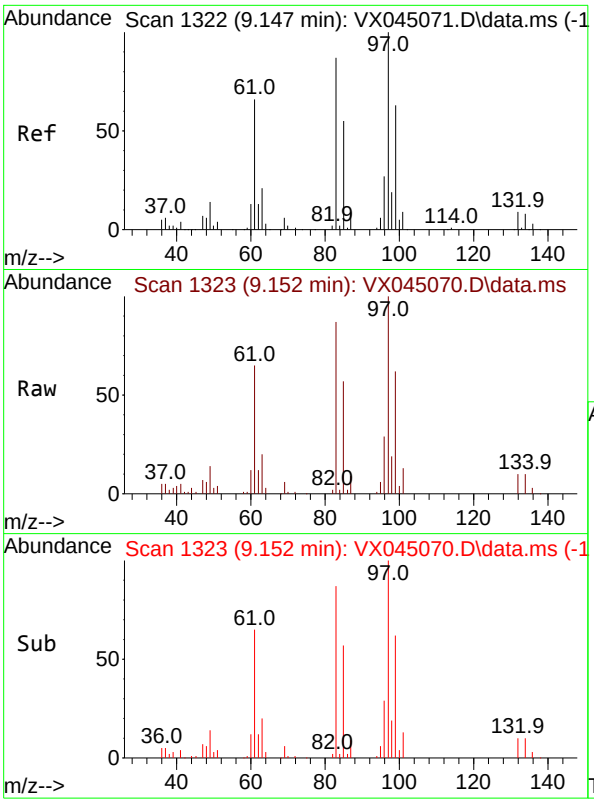


#54
cis-1,3-Dichloropropene
Concen: 18.675 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



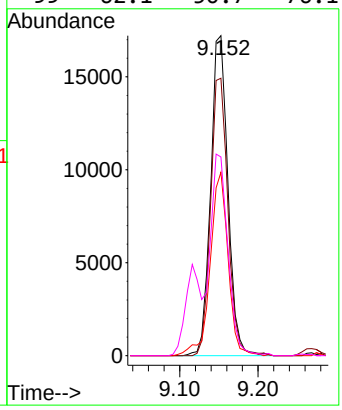


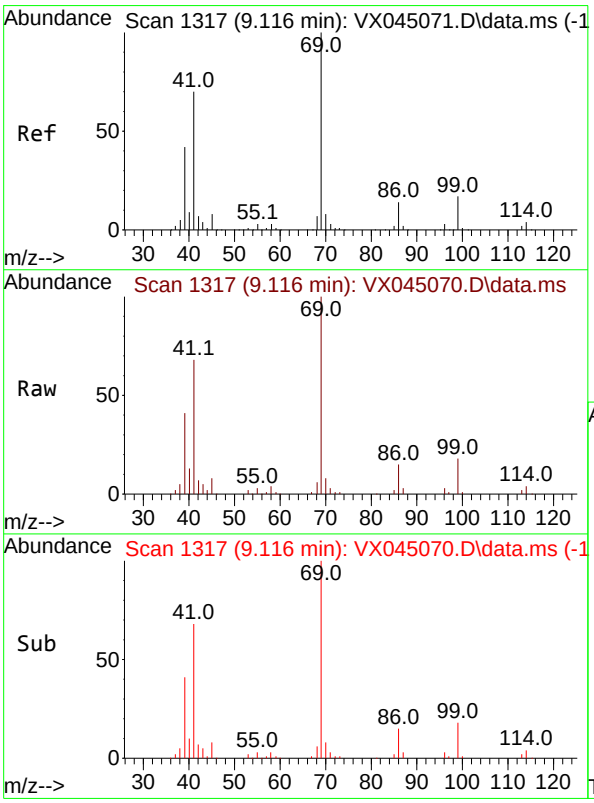
#55
1,1,2-Trichloroethane
Concen: 21.992 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

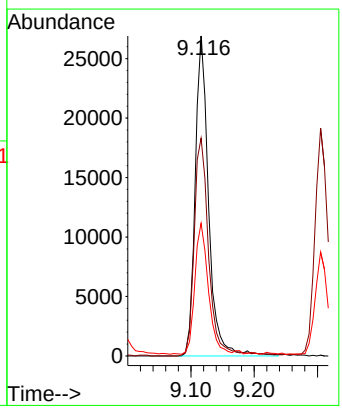


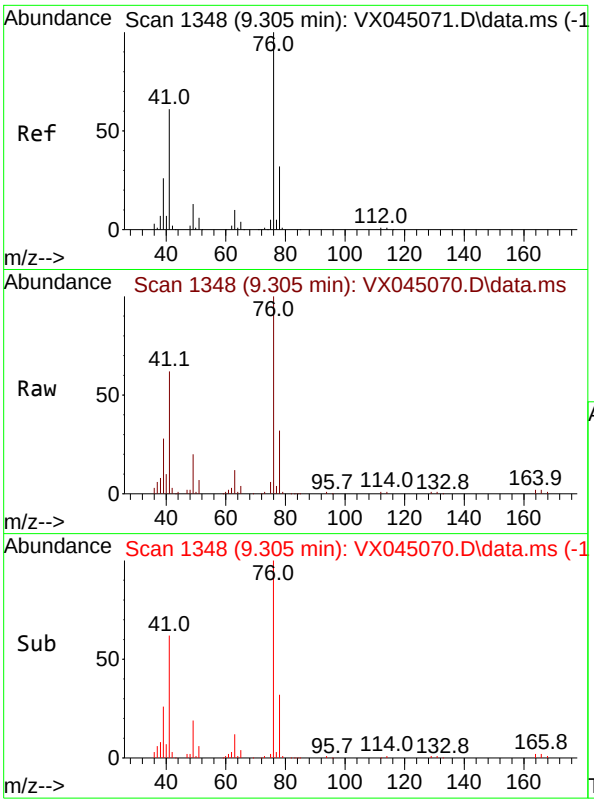


#56
Ethyl methacrylate
Concen: 20.791 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



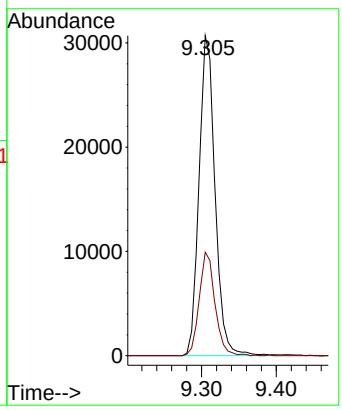


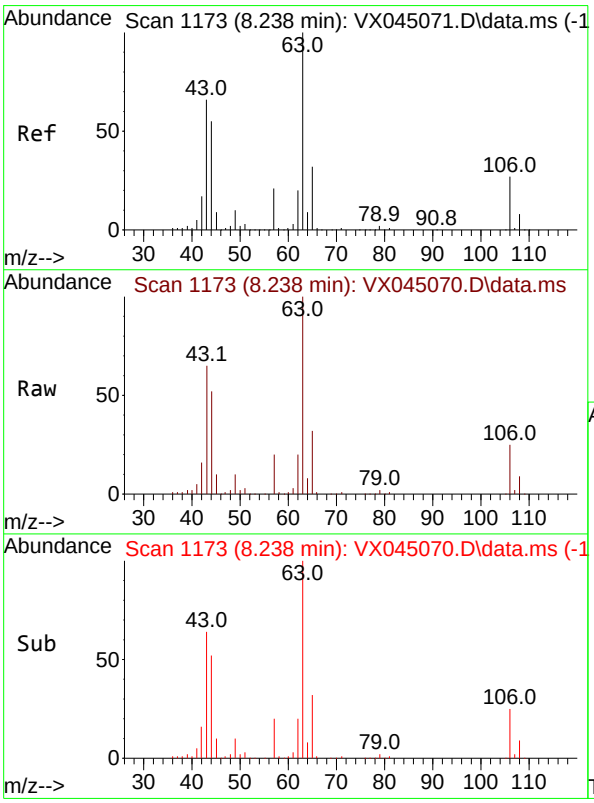
#57
1,3-Dichloropropane
Concen: 21.836 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 45644

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

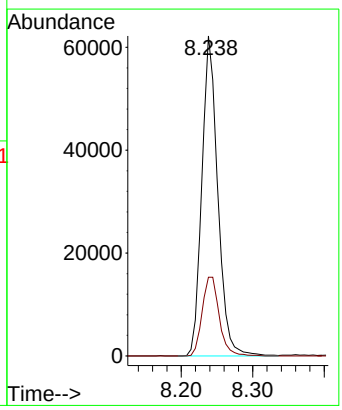


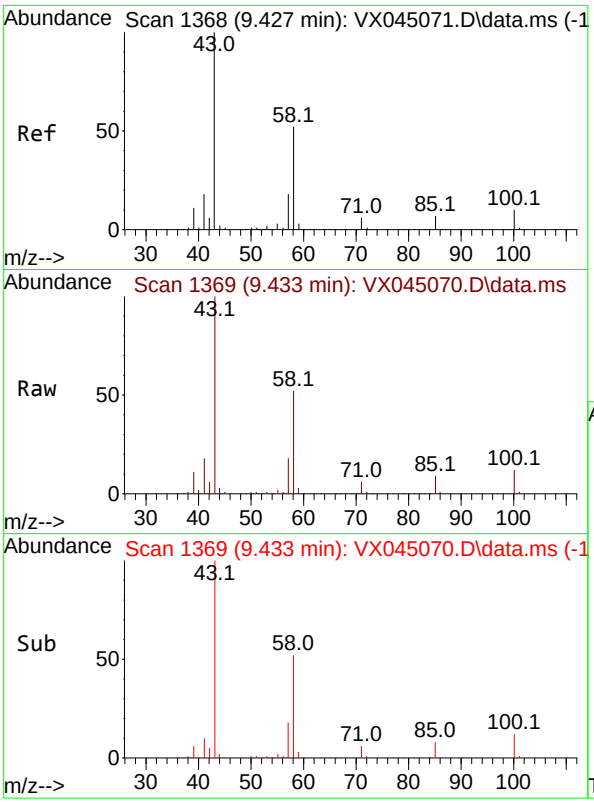


#58
2-Chloroethyl Vinyl ether
Concen: 102.342 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 63 Resp: 96311

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3



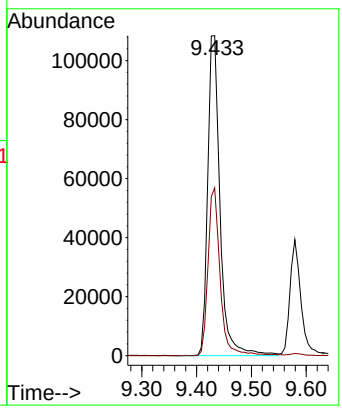


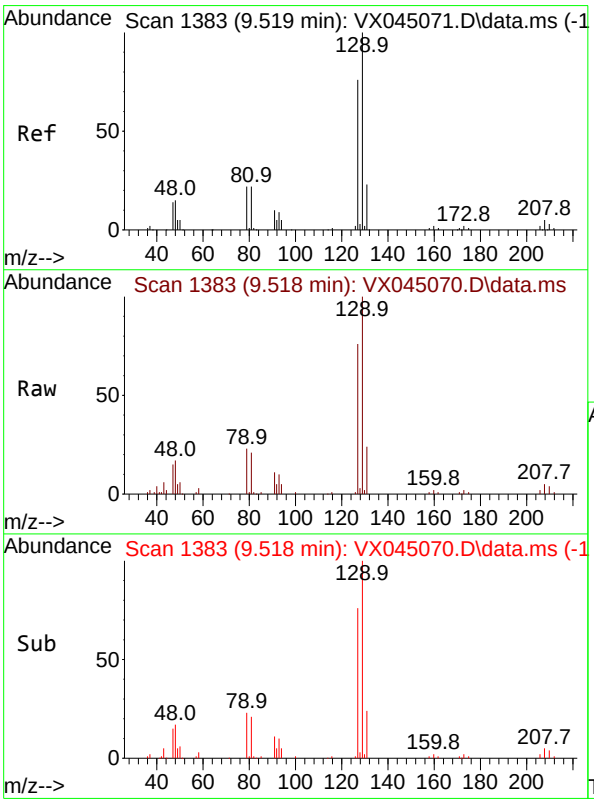
#59
2-Hexanone
Concen: 126.428 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 168768

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

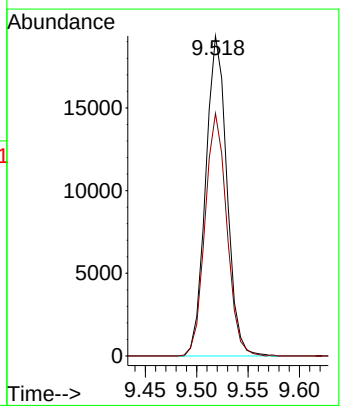


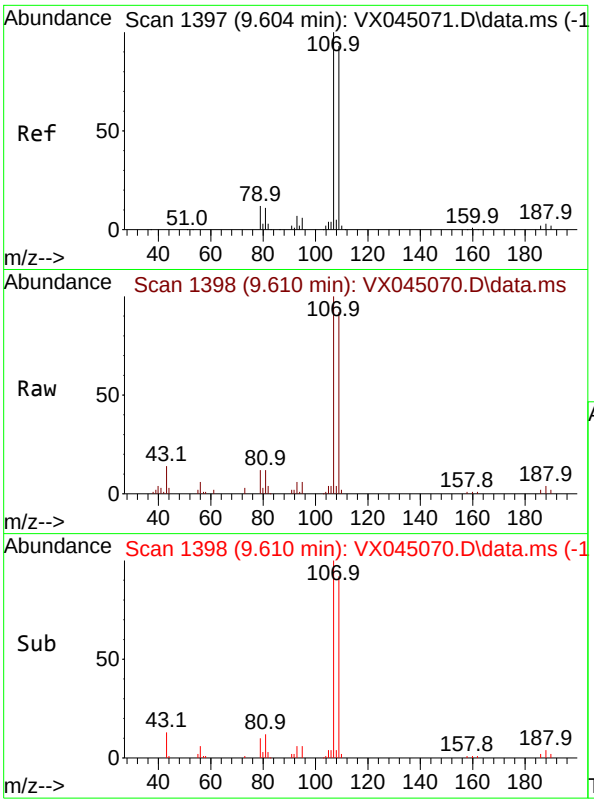


#60
Dibromochloromethane
Concen: 21.668 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:129 Resp: 27705

Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.5	115.5



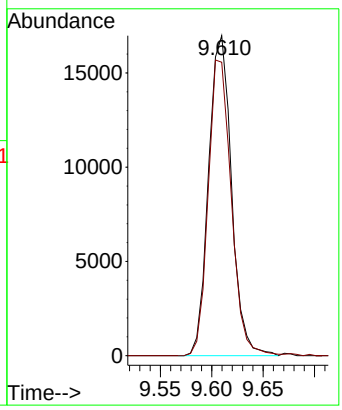


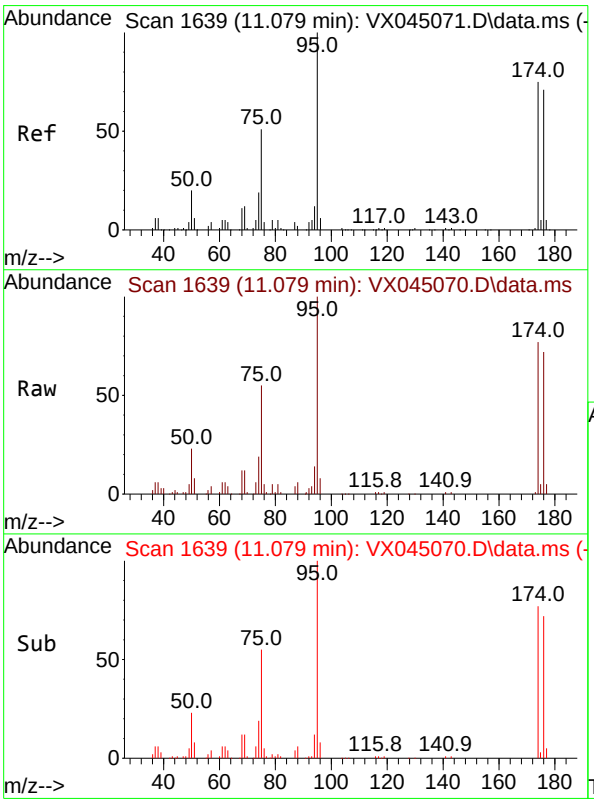
#61
1,2-Dibromoethane
Concen: 21.764 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 26311

Ion	Ratio	Lower	Upper
107	100		
109	93.3	76.1	114.1

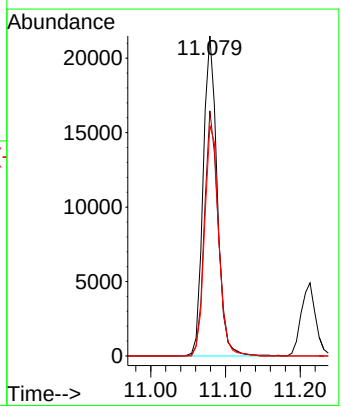


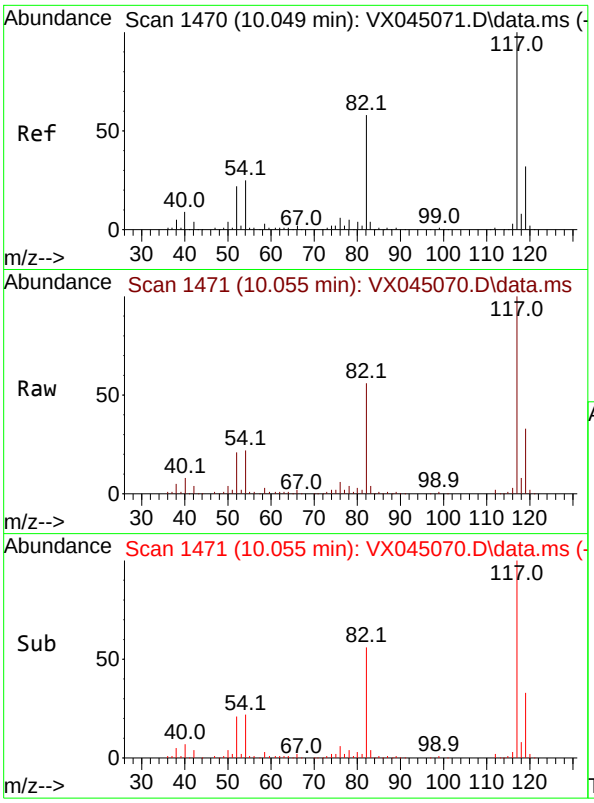


#62
4-Bromofluorobenzene
Concen: 19.215 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



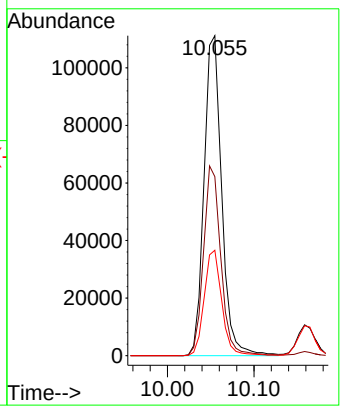


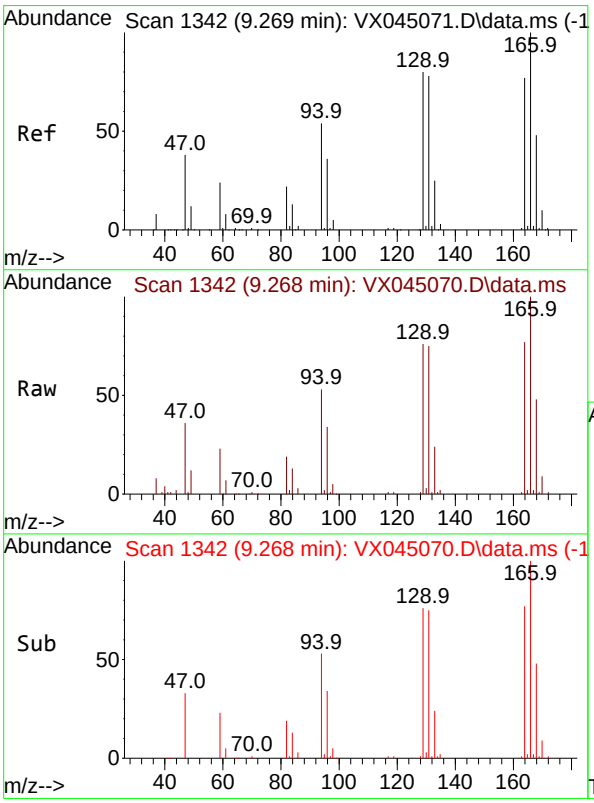
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

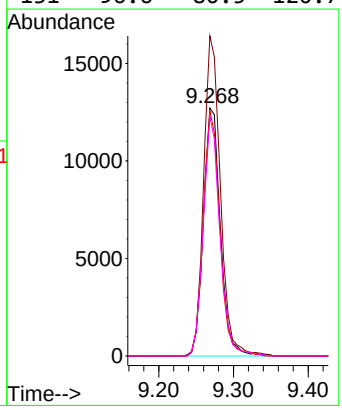


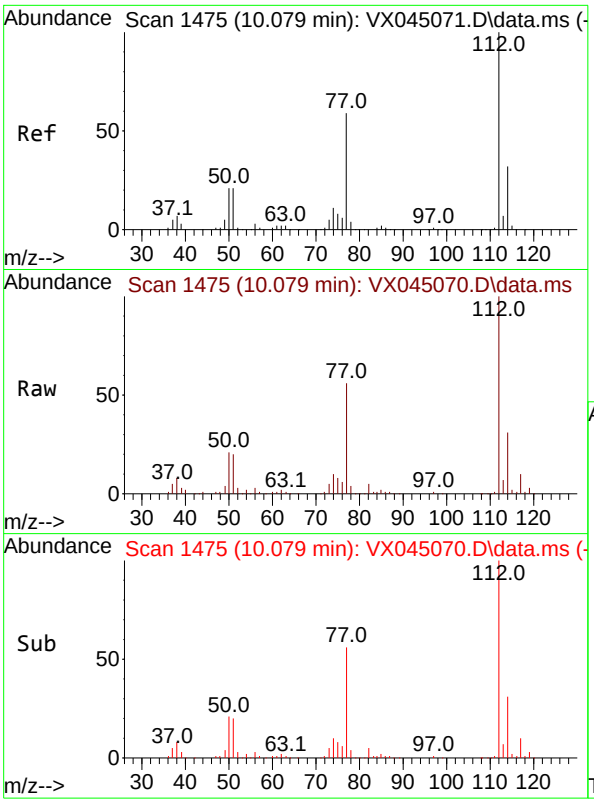


#64
Tetrachloroethene
Concen: 20.102 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



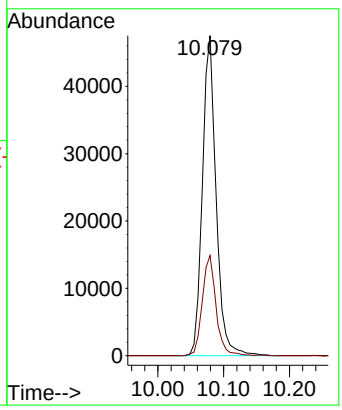


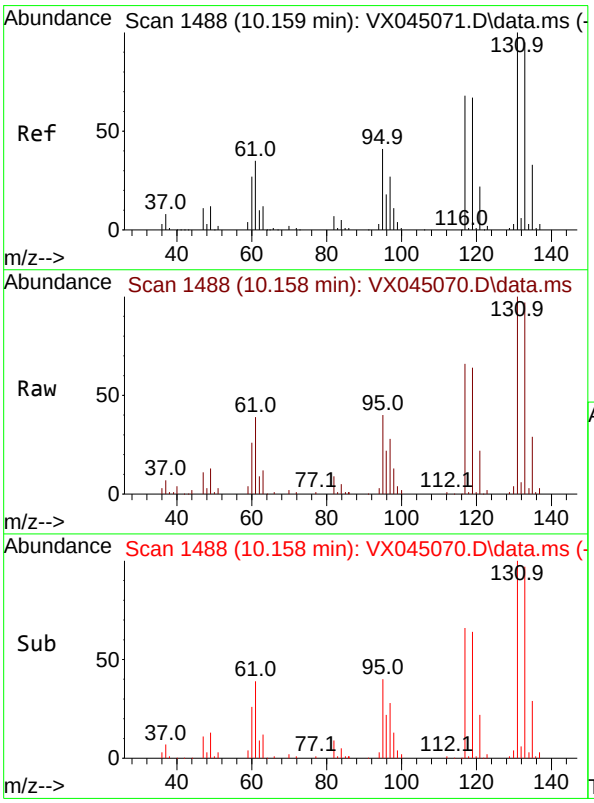
#65
Chlorobenzene
Concen: 20.316 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 68777

Ion	Ratio	Lower	Upper
112	100		
114	31.3	26.0	39.0

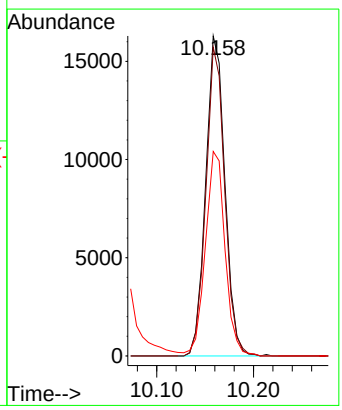


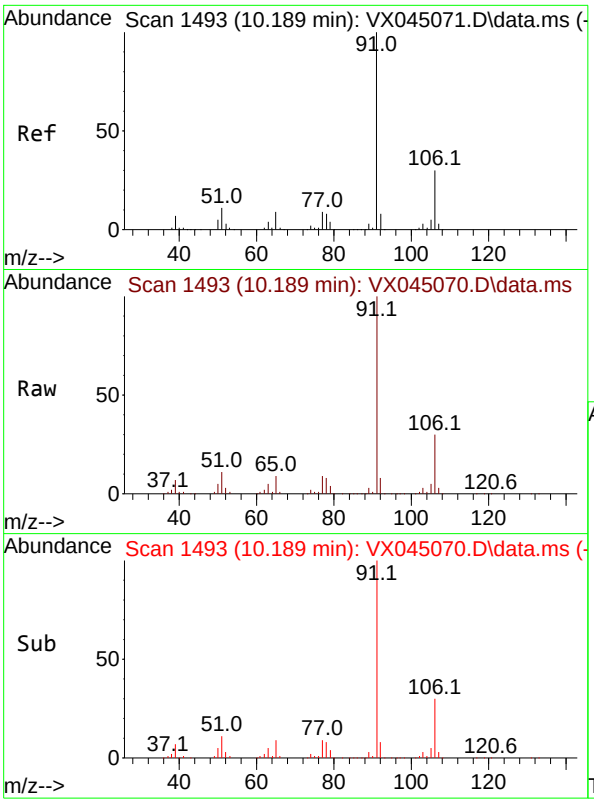


#66
1,1,1,2-Tetrachloroethane
Concen: 20.627 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



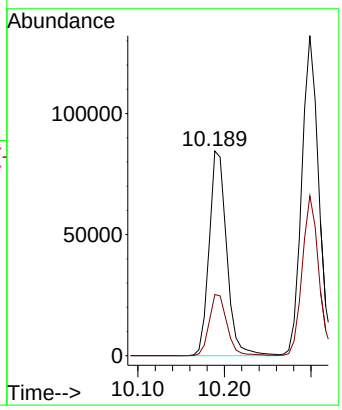


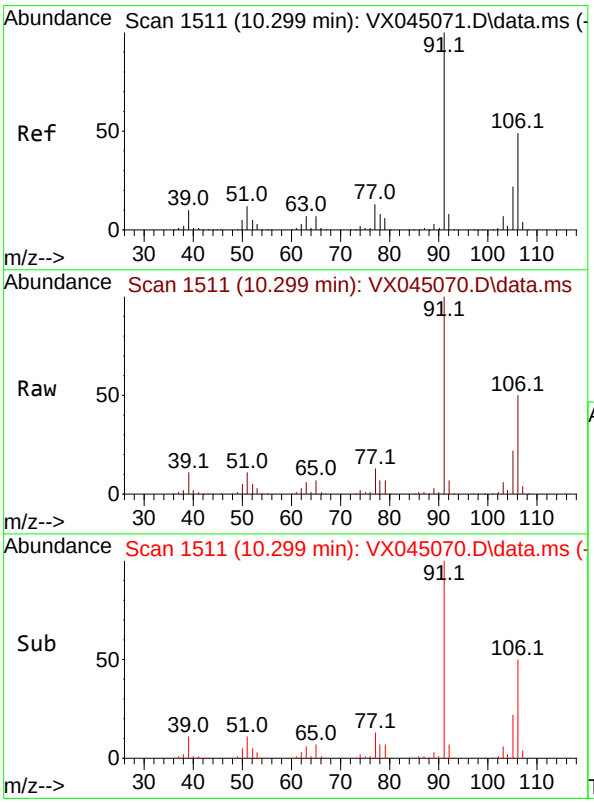
#67
Ethyl Benzene
Concen: 19.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 119165

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

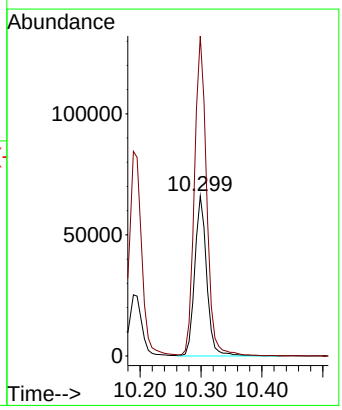


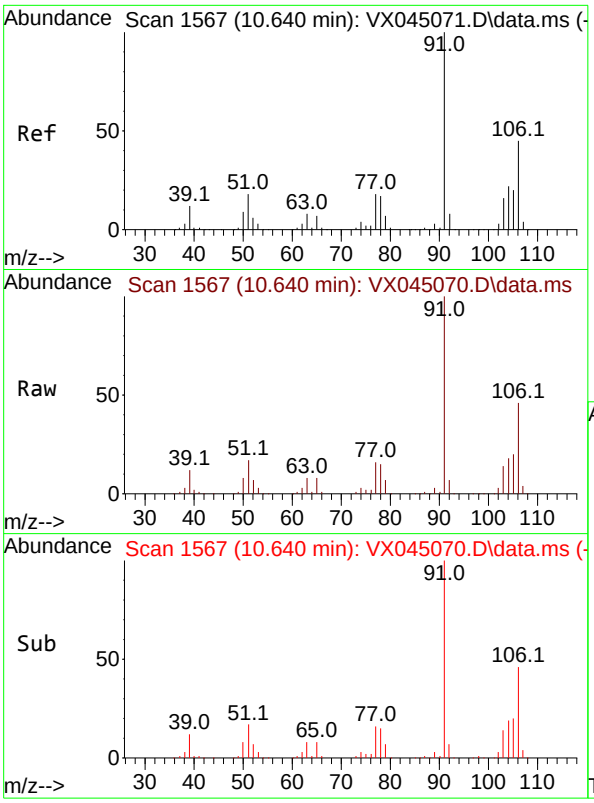


#68
m/p-Xylenes
Concen: 40.699 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:106 Resp: 89735

Ion	Ratio	Lower	Upper
106	100		
91	204.2	165.4	248.0



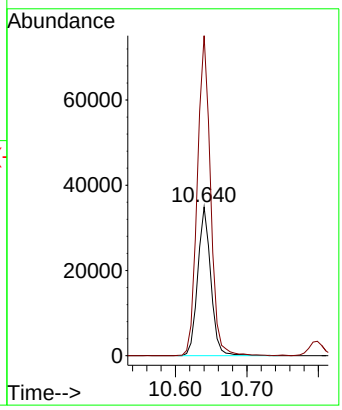


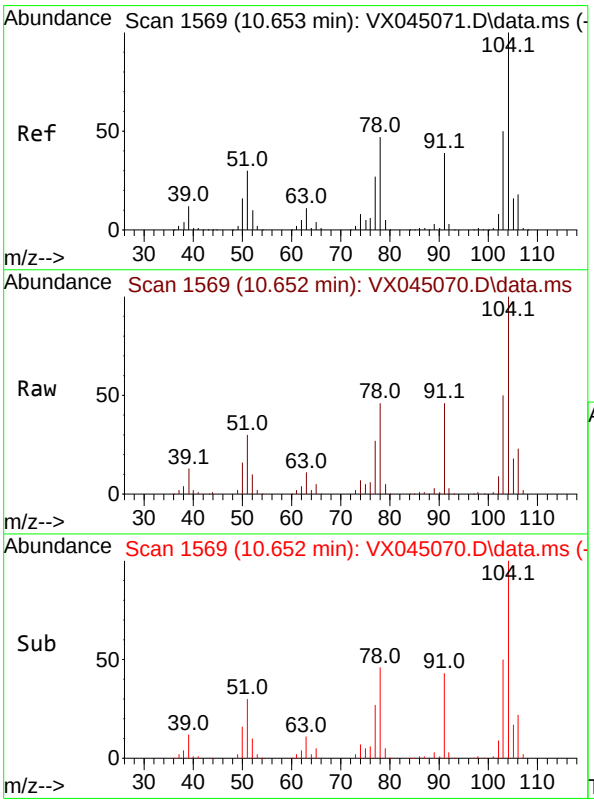
#69
o-Xylene
Concen: 20.018 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 44281

Ion	Ratio	Lower	Upper
106	100		
91	216.8	109.9	329.6

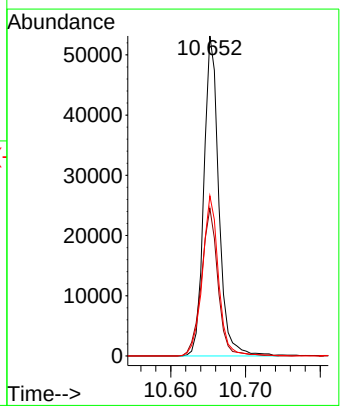


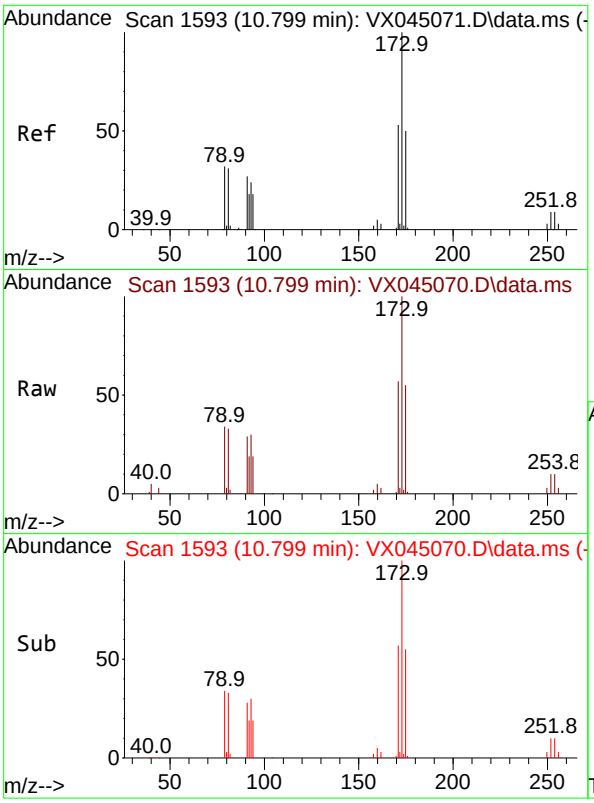


#70
Styrene
Concen: 20.767 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



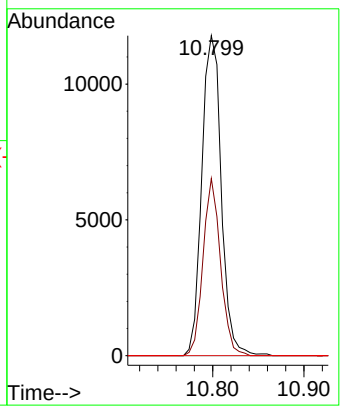


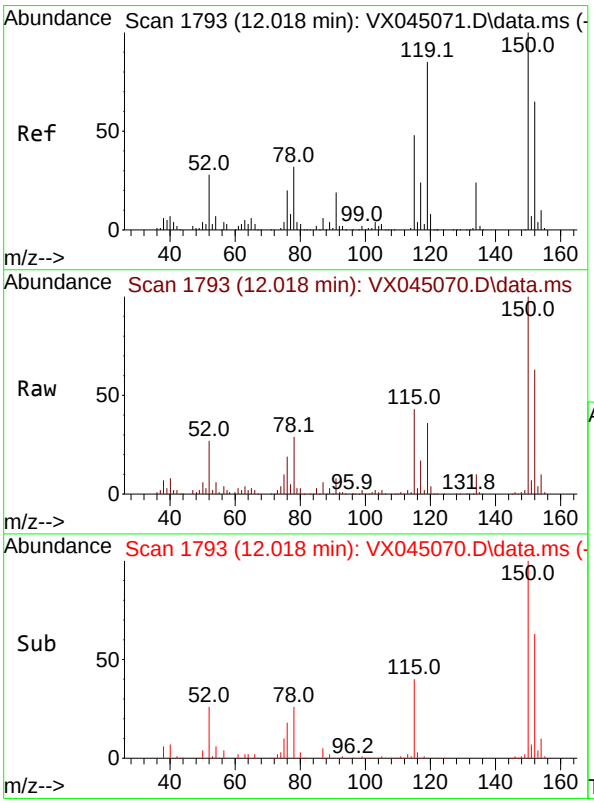
#71
Bromoform
Concen: 21.449 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

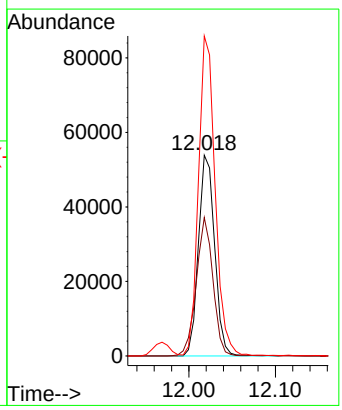


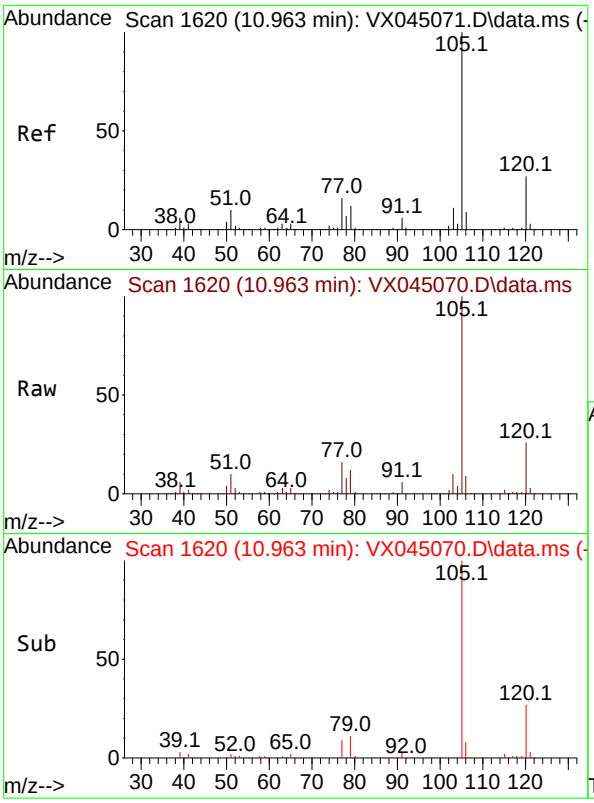


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



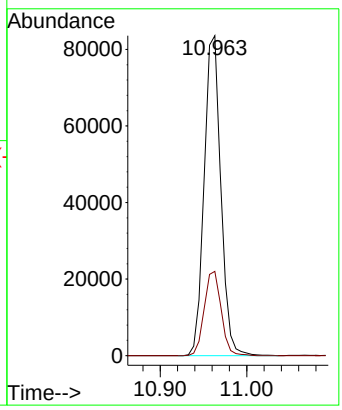


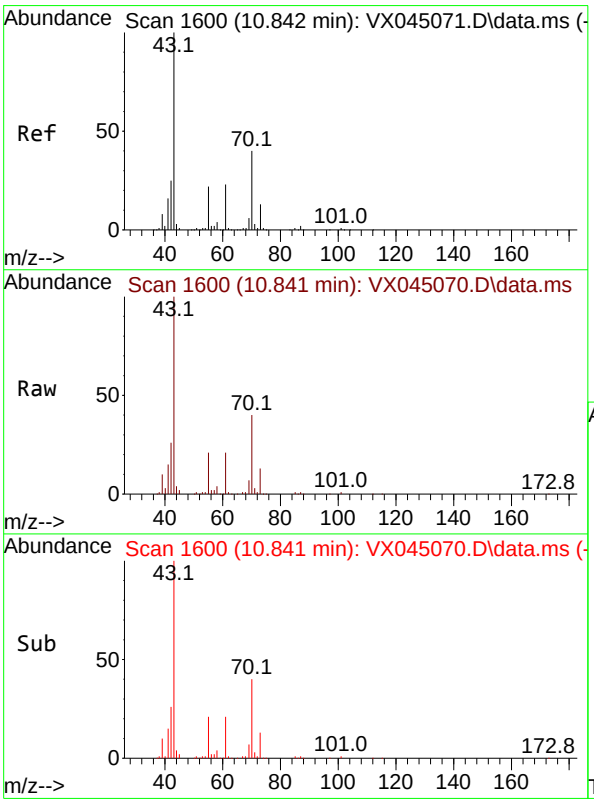
#73
Isopropylbenzene
Concen: 19.794 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 112099

Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.5

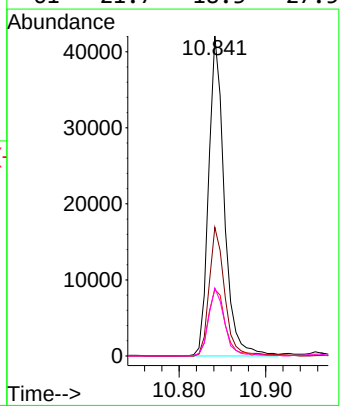


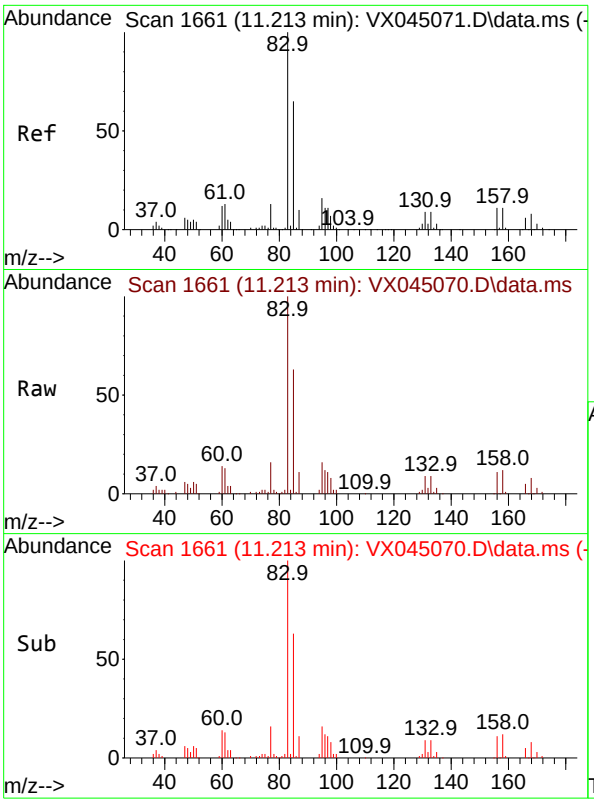


#74
N-amyl acetate
Concen: 20.606 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



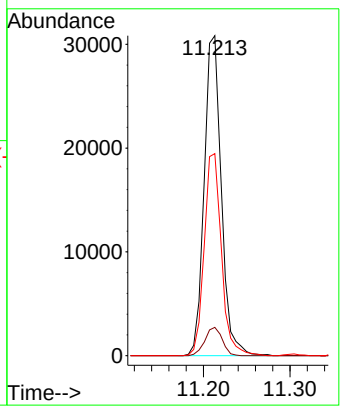


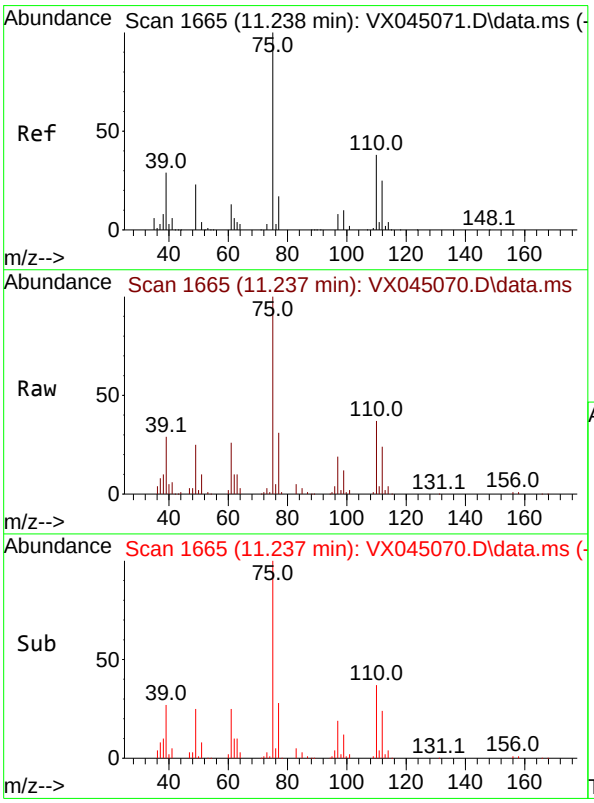
#75
1,1,2,2-Tetrachloroethane
Concen: 21.738 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

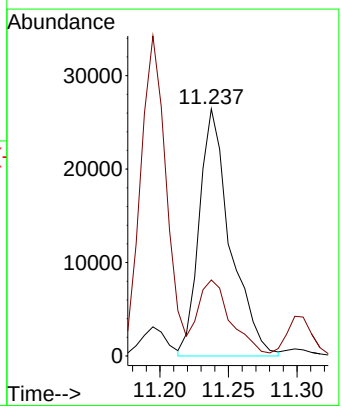


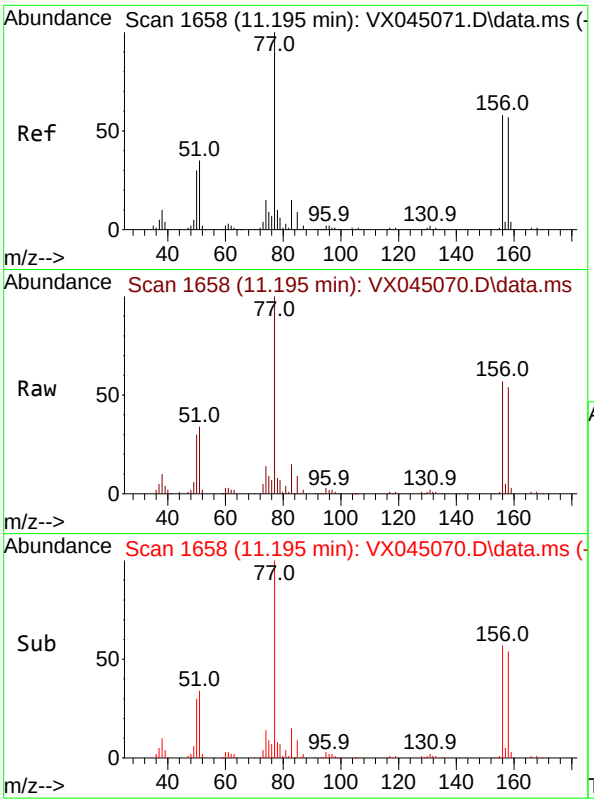


#76
1,2,3-Trichloropropane
Concen: 26.713 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 75 Resp: 41754

Ion	Ratio	Lower	Upper
75	100		
77	32.5	20.7	62.1



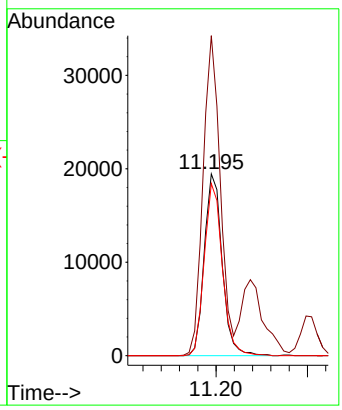


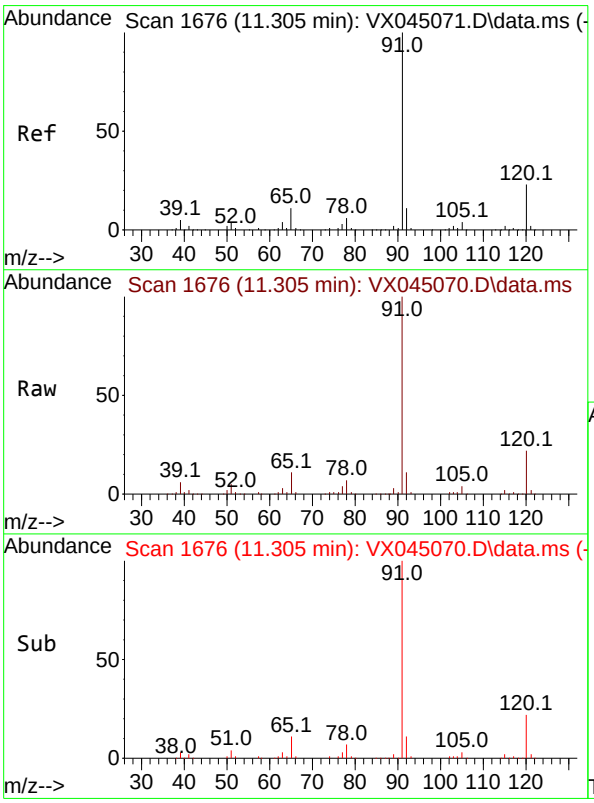
#77
Bromobenzene
Concen: 20.466 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

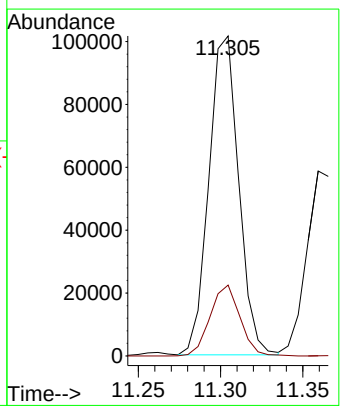


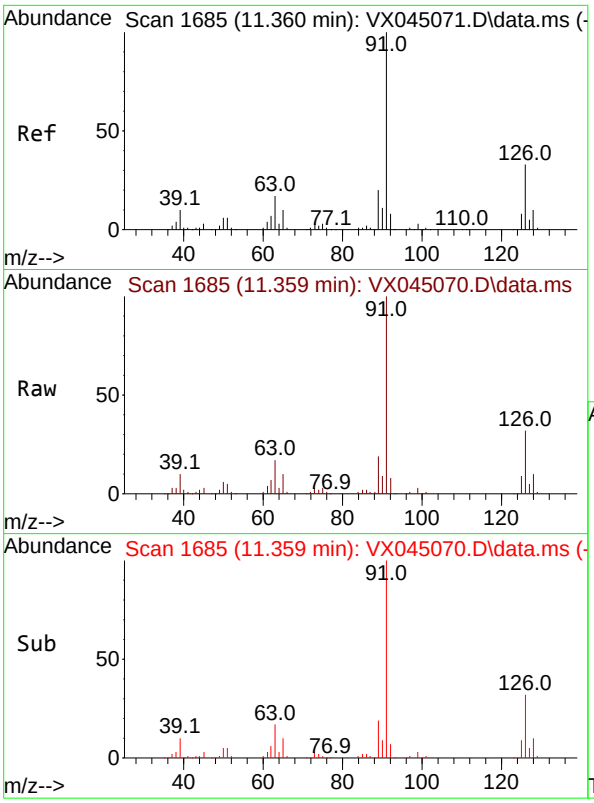


#78
n-propylbenzene
Concen: 19.641 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 128284

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.2	33.6



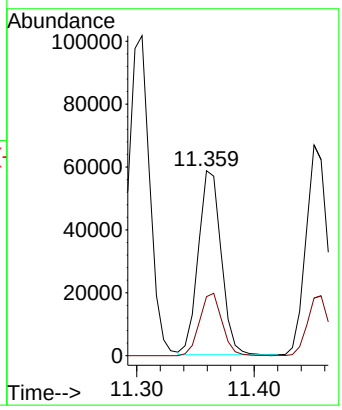


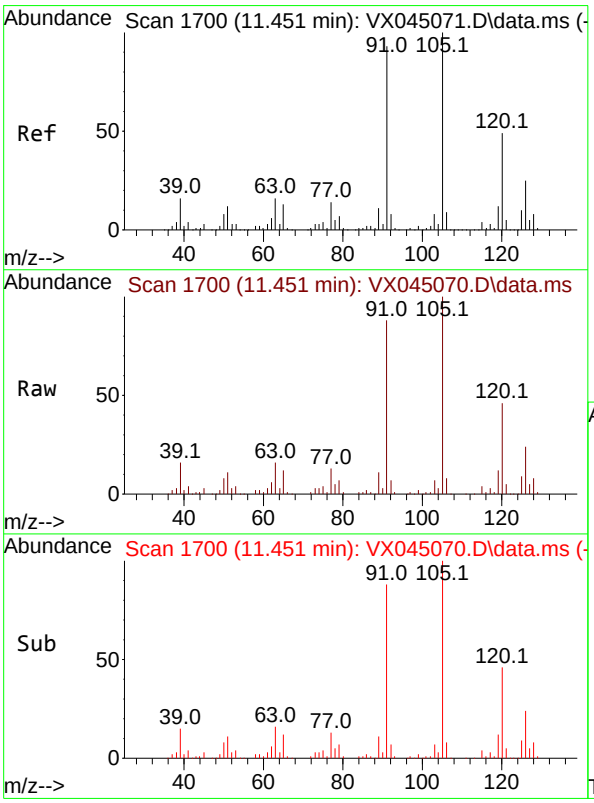
#79
2-Chlorotoluene
Concen: 19.775 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 79275

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

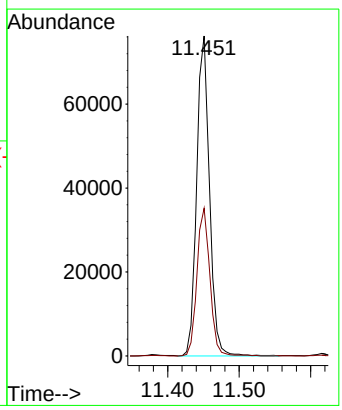


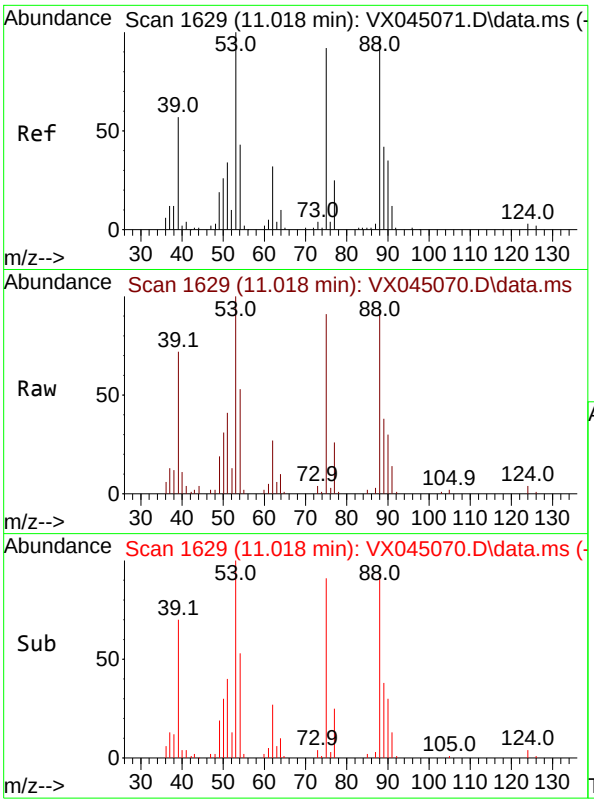


#80
1,3,5-Trimethylbenzene
Concen: 20.581 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94545

Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.1	72.2



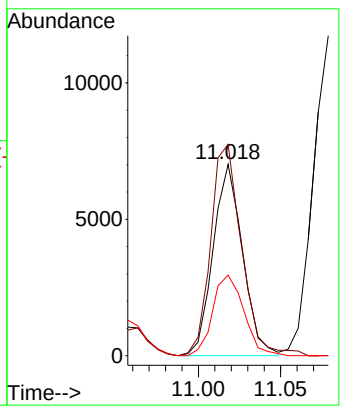


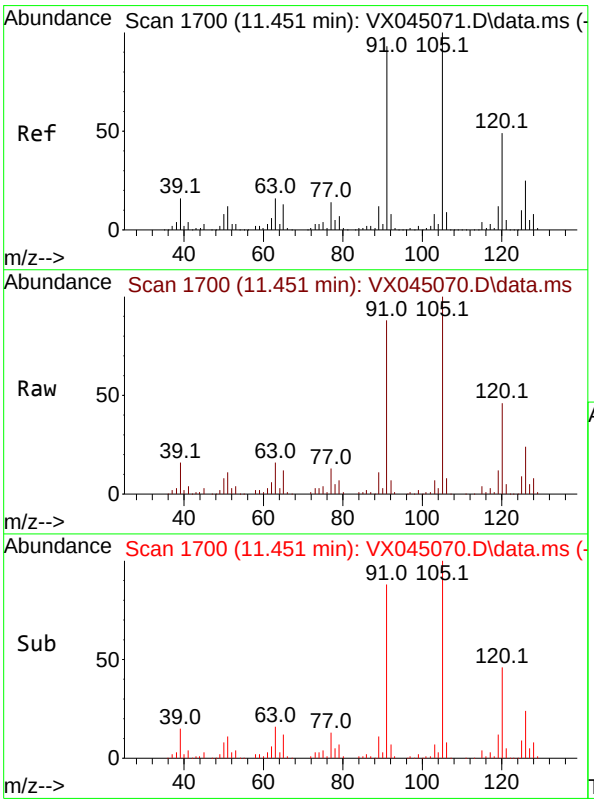
#81
trans-1,4-Dichloro-2-butene
Concen: 15.196 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

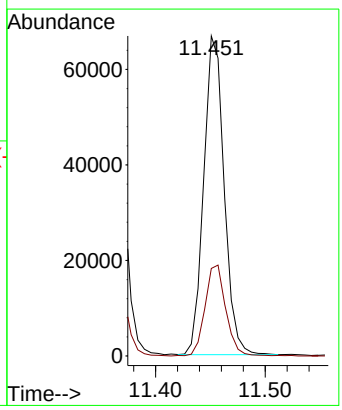


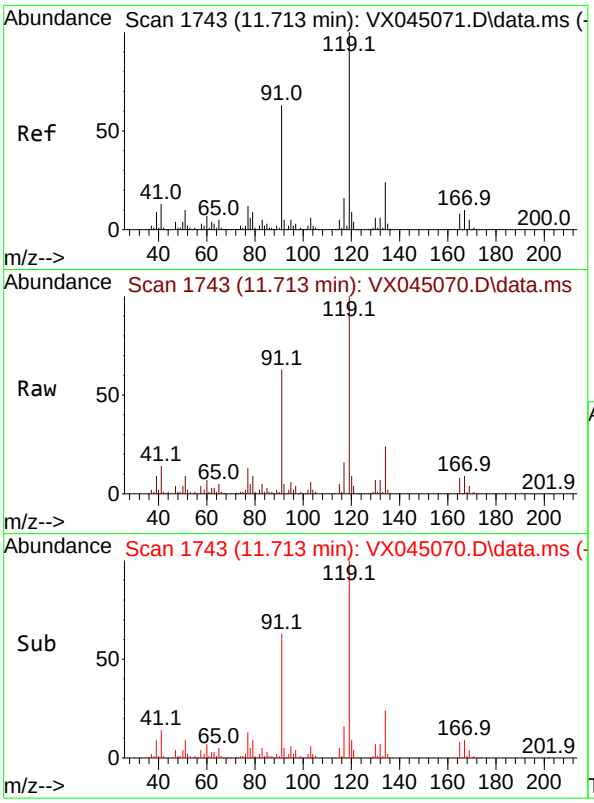


#82
4-Chlorotoluene
Concen: 19.443 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion: 91 Resp: 86281

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.4



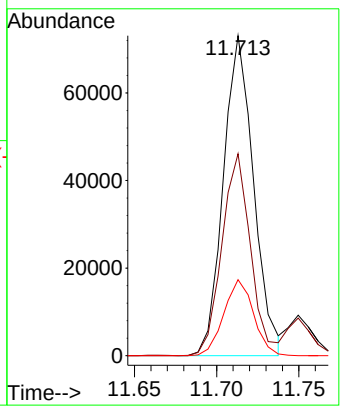


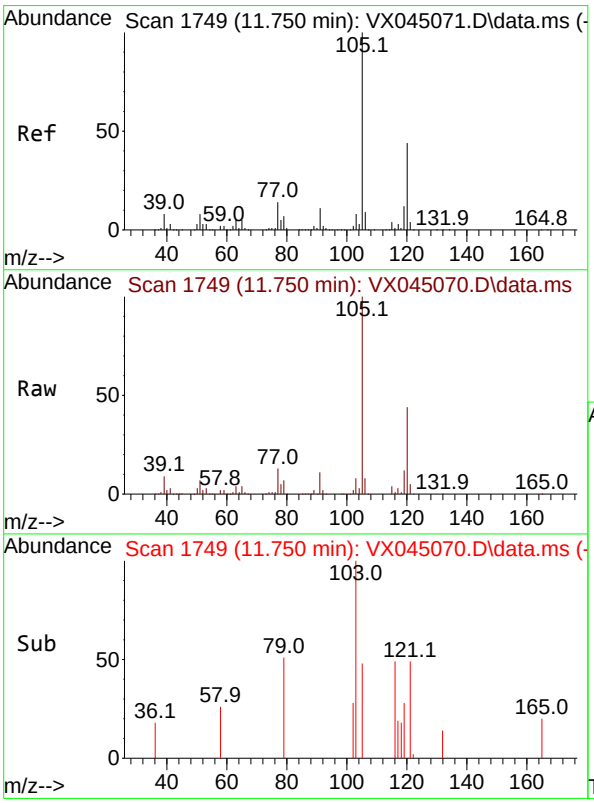
#83
tert-Butylbenzene
Concen: 20.159 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

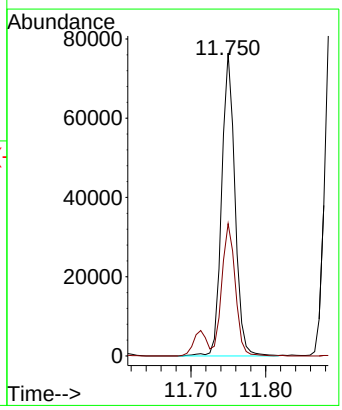


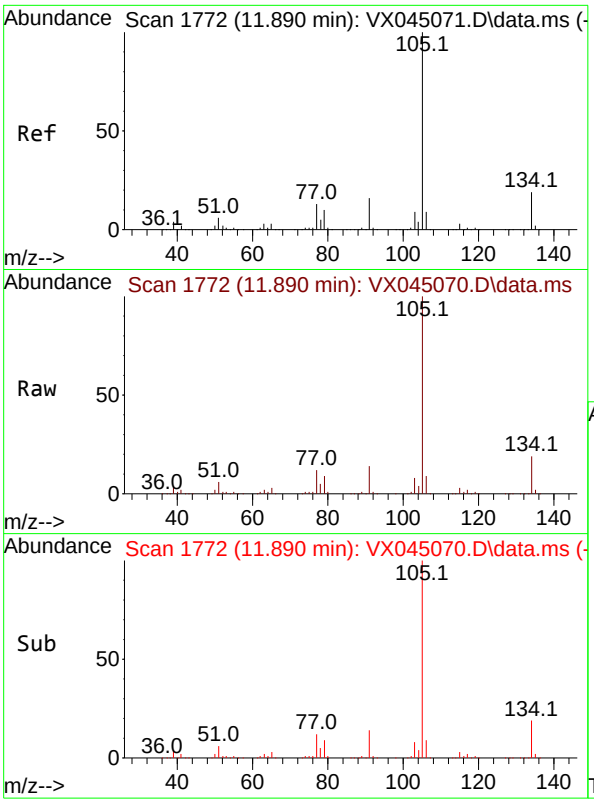


#84
1,2,4-Trimethylbenzene
Concen: 20.943 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:105 Resp: 94734

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



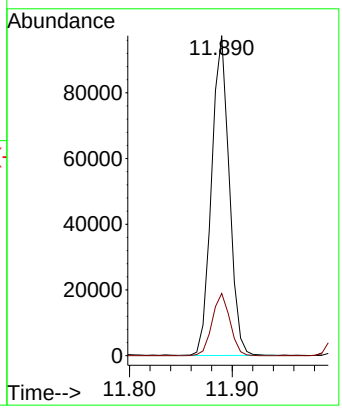


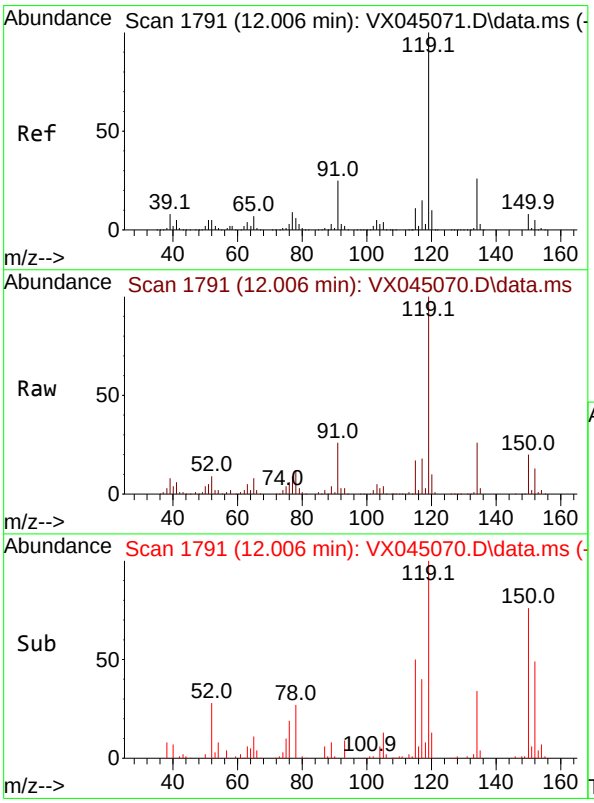
#85
sec-Butylbenzene
Concen: 20.160 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 115953

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

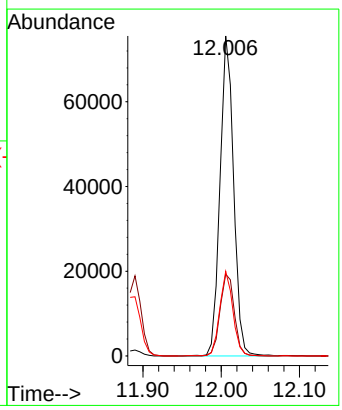


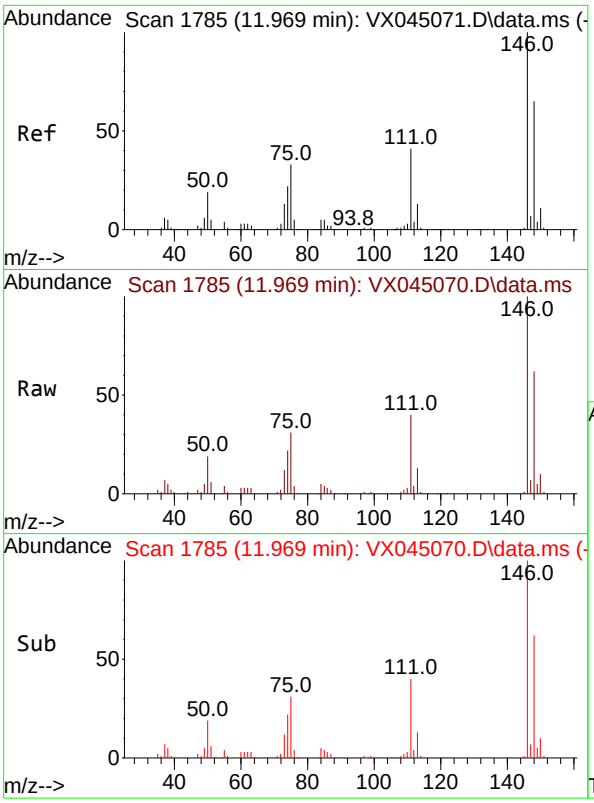


#86
p-Isopropyltoluene
Concen: 19.827 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



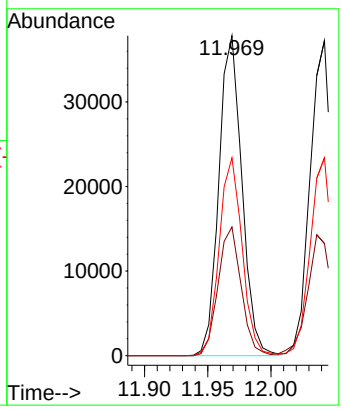


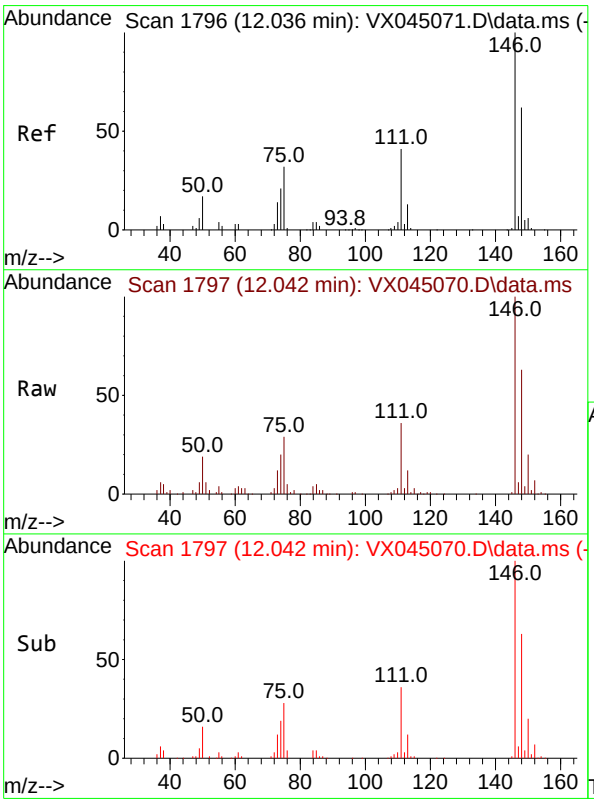
#87
1,3-Dichlorobenzene
Concen: 20.400 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

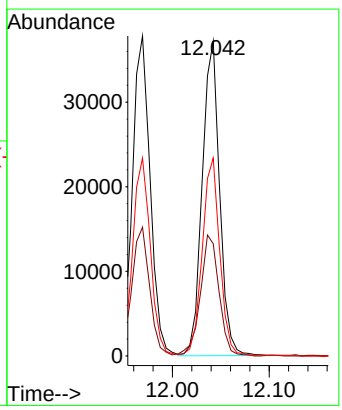


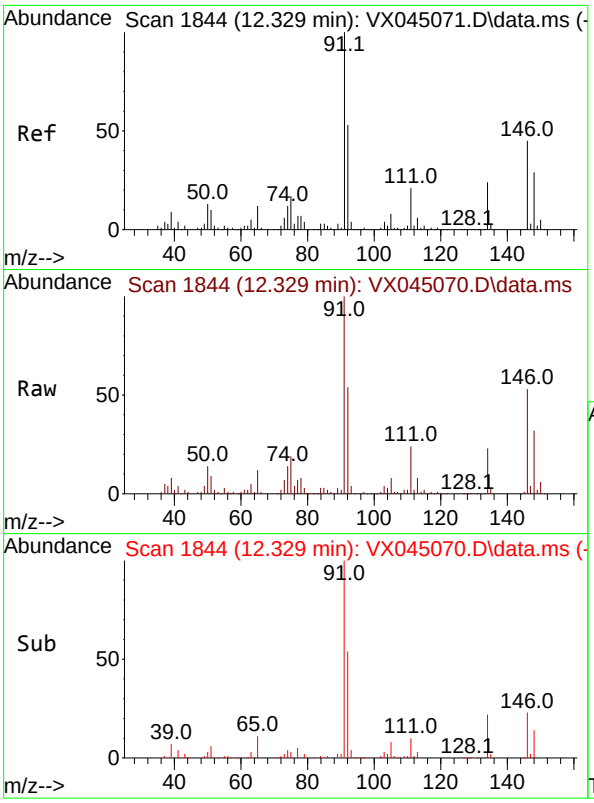


#88
1,4-Dichlorobenzene
Concen: 19.615 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



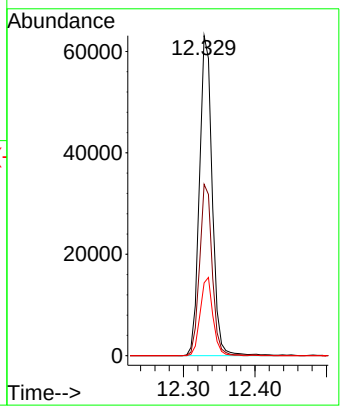


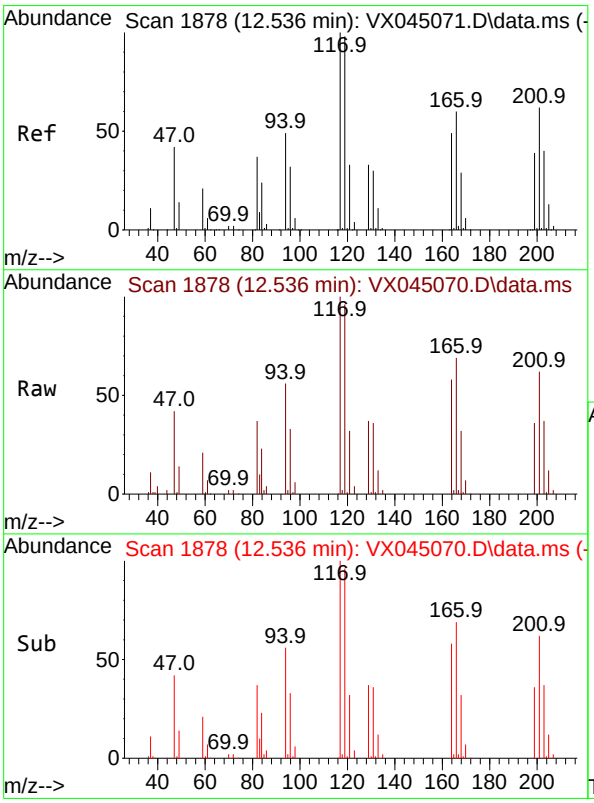
#89
n-Butylbenzene
Concen: 19.249 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

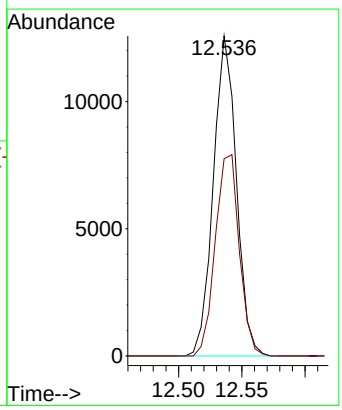


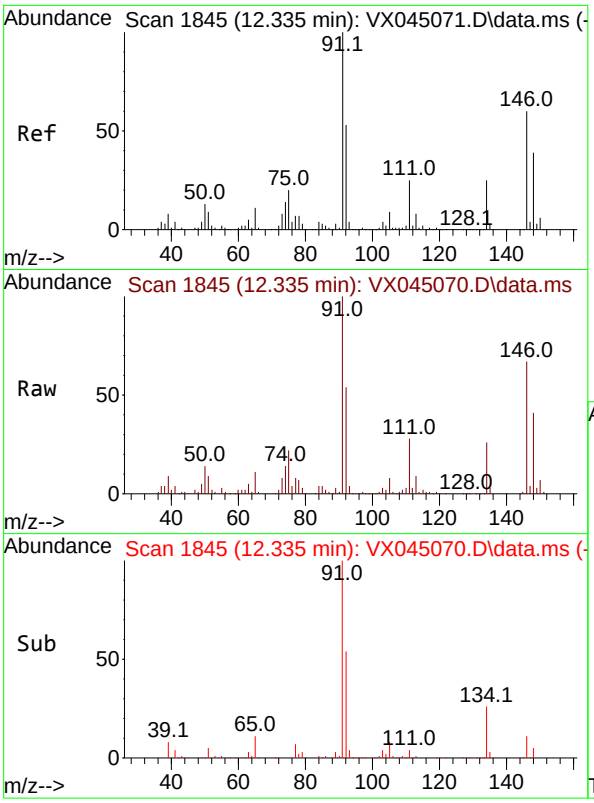


#90
Hexachloroethane
Concen: 18.483 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

Tgt Ion:117 Resp: 15919

Ion	Ratio	Lower	Upper
117	100		
201	65.6	31.9	95.9



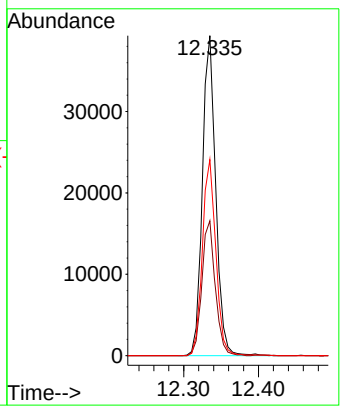


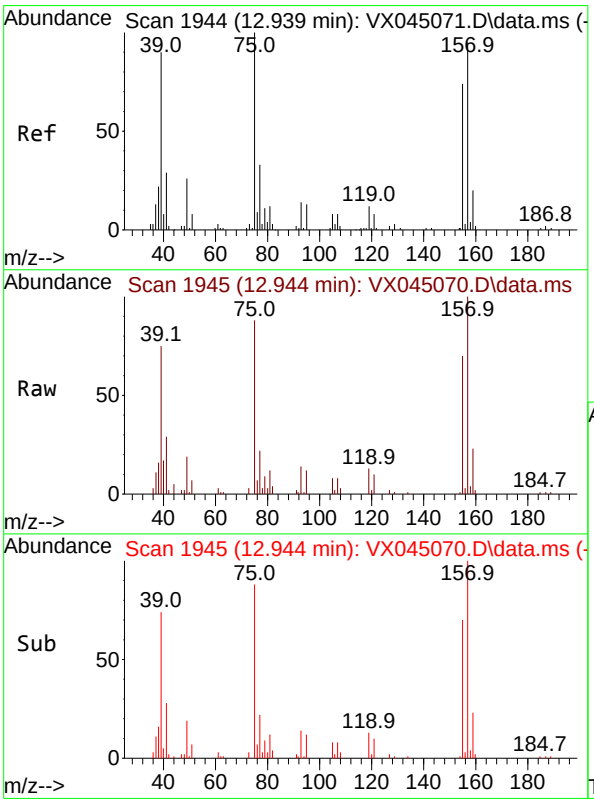
#91
1,2-Dichlorobenzene
Concen: 21.031 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

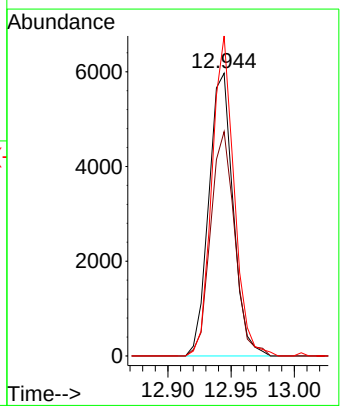


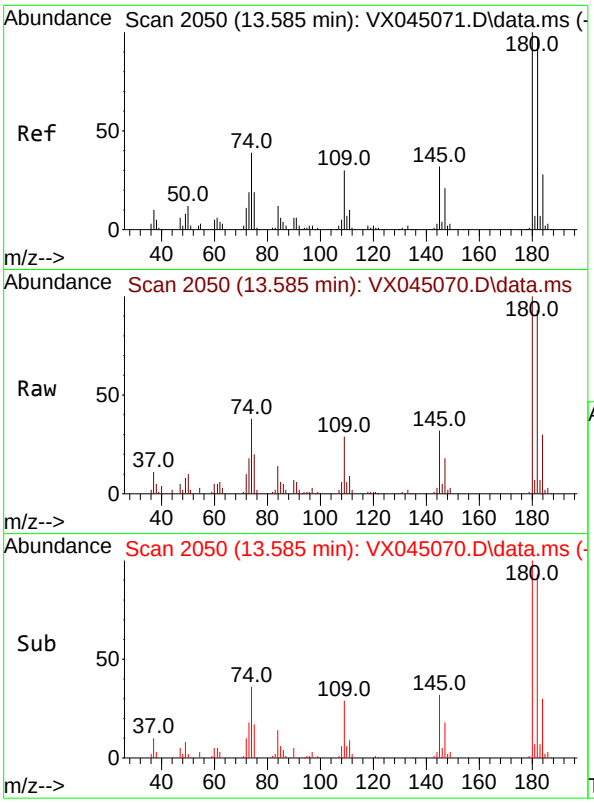


#92
1,2-Dibromo-3-Chloropropane
Concen: 22.119 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



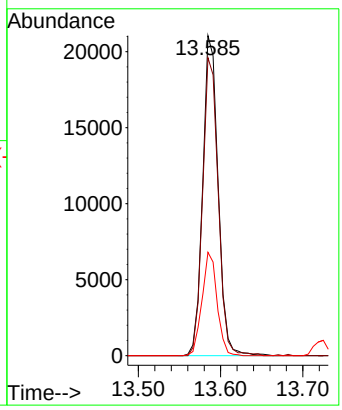


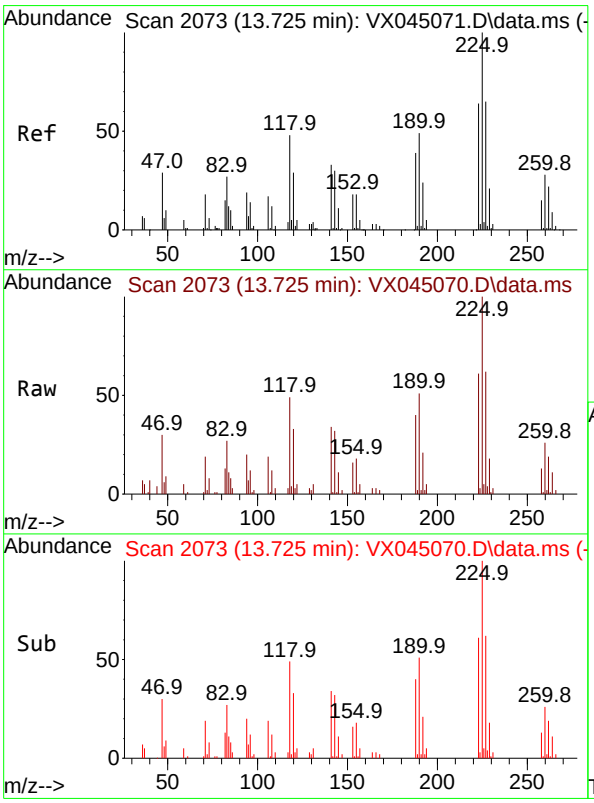
#93
1,2,4-Trichlorobenzene
Concen: 19.617 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

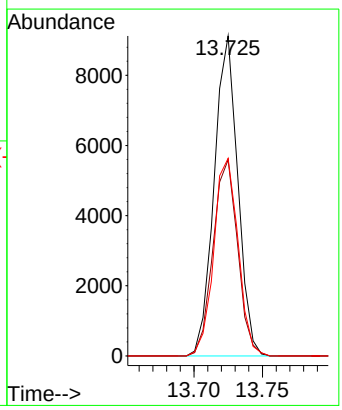


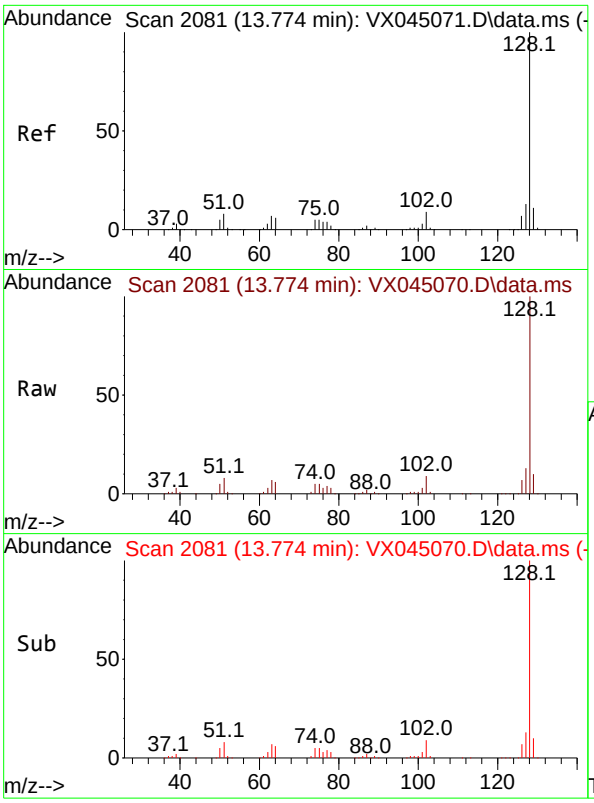


#94
Hexachlorobutadiene
Concen: 19.616 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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



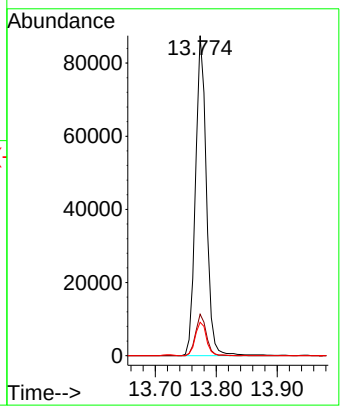


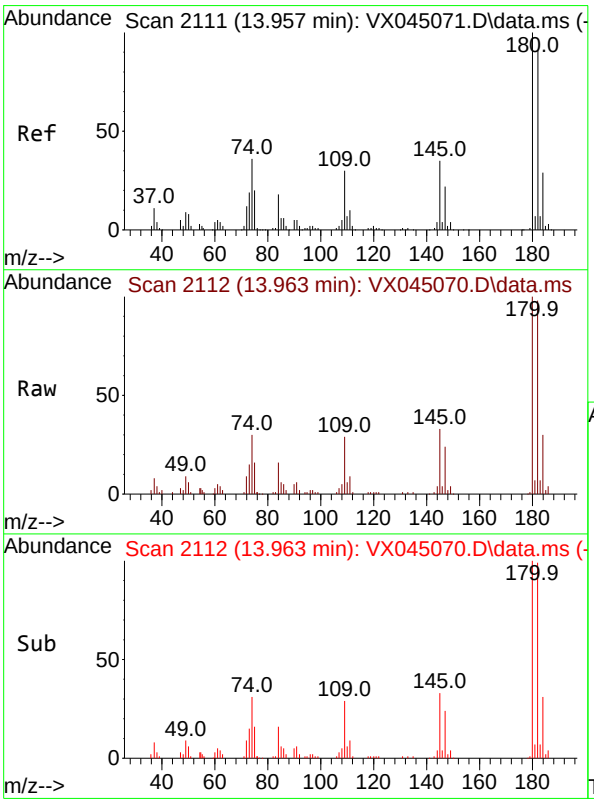
#95
Naphthalene
Concen: 21.279 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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

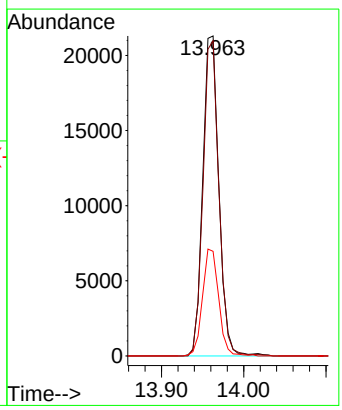




#96
1,2,3-Trichlorobenzene
Concen: 20.432 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045070.D
Acq: 28 Feb 2025 02:37

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)

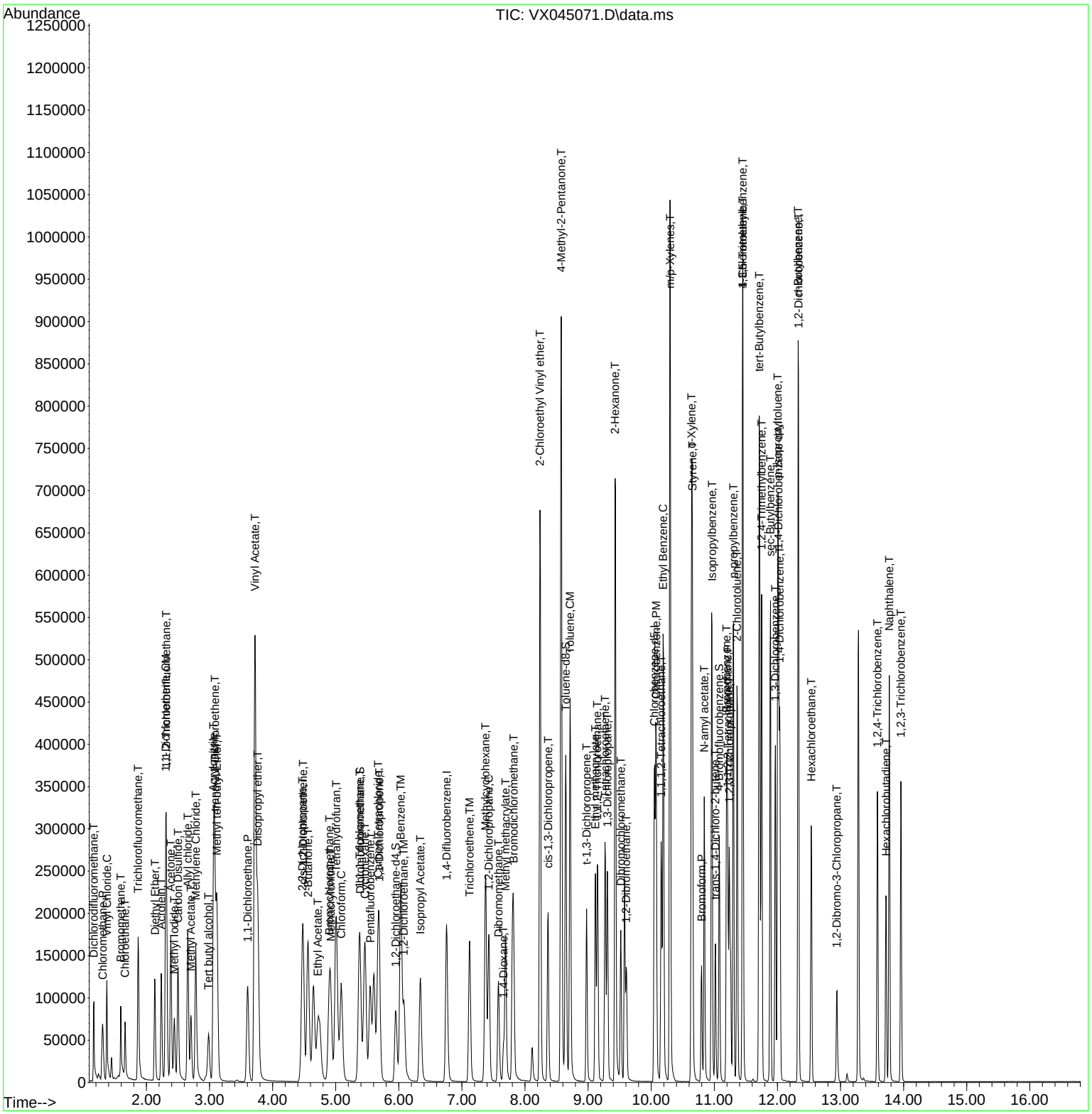
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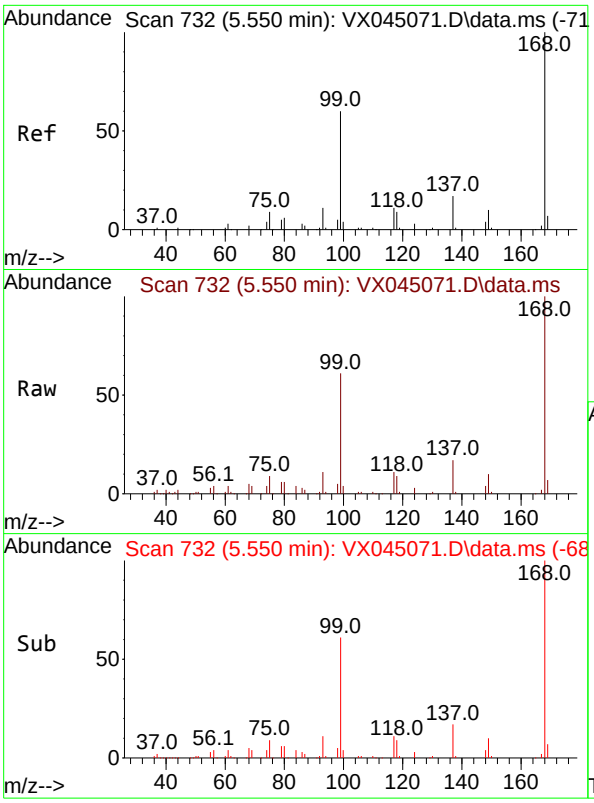
Quantitation Report (Not Reviewed)

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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



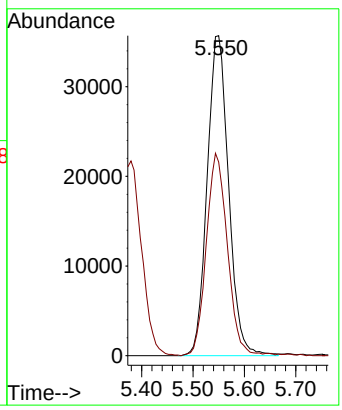


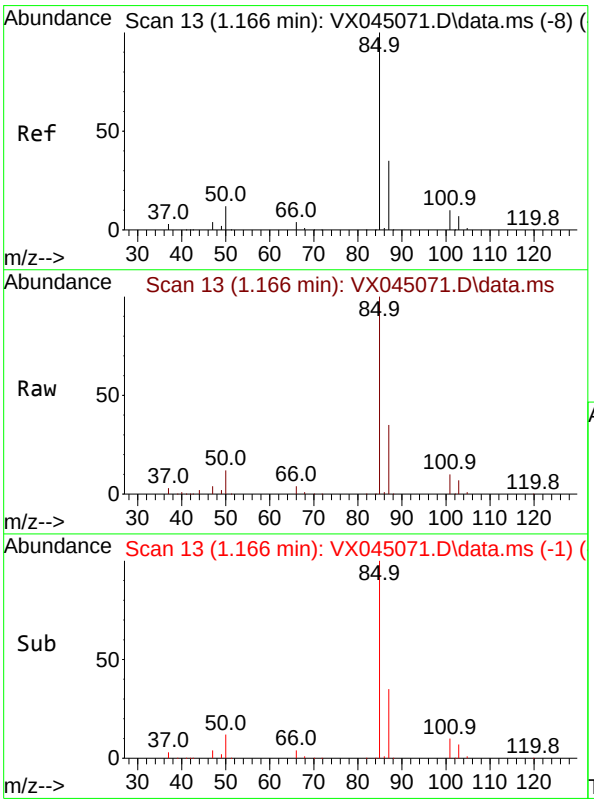
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 103235

Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.2	72.4

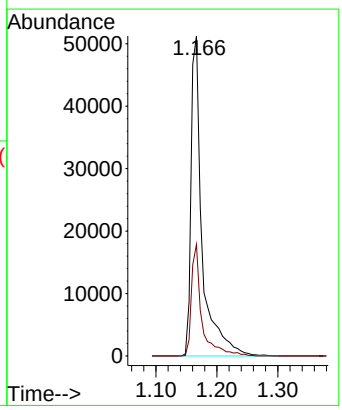


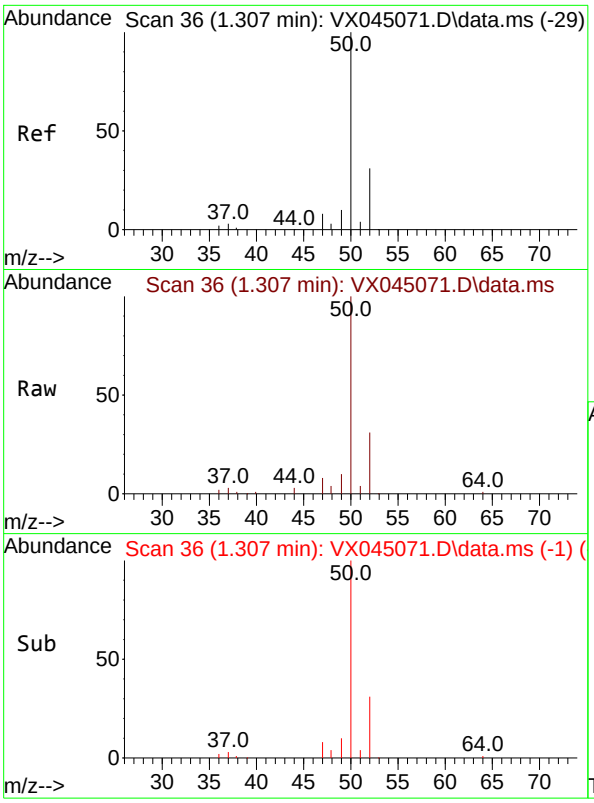


#2
Dichlorodifluoromethane
Concen: 45.502 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 85 Resp: 64743

Ion	Ratio	Lower	Upper
85	100		
87	34.9	17.4	52.3



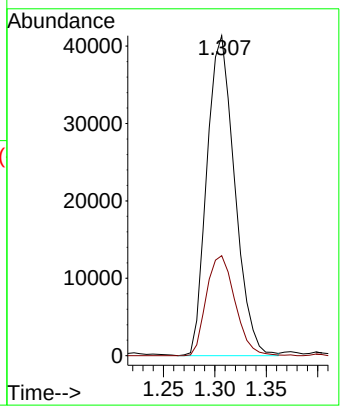


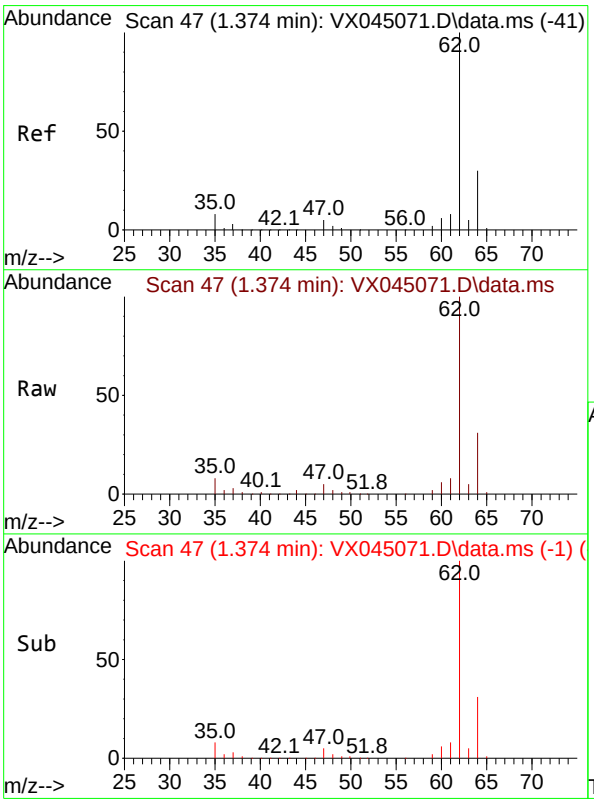
#3
Chloromethane
Concen: 44.894 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 77729

Ion	Ratio	Lower	Upper
50	100		
52	31.2	25.0	37.4

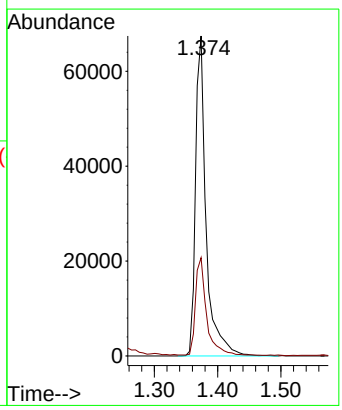


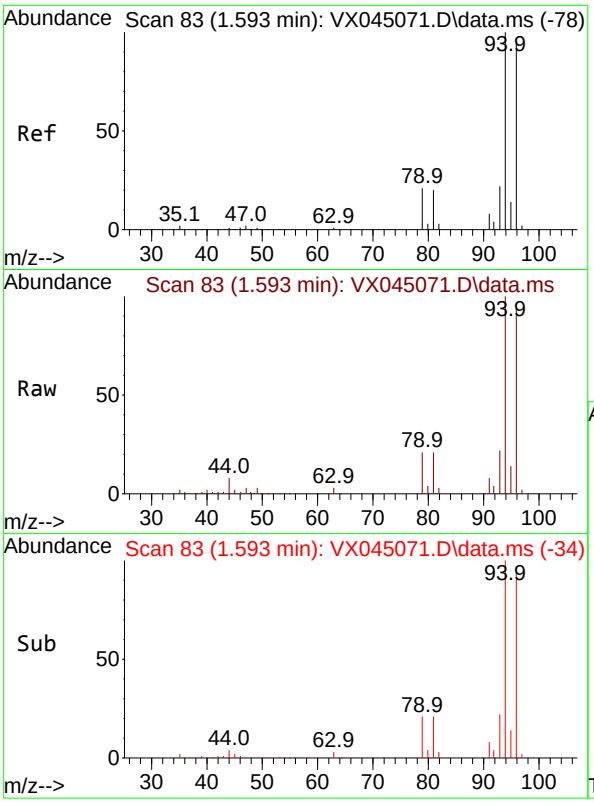


#4
Vinyl Chloride
Concen: 46.434 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 78524

Ion	Ratio	Lower	Upper
62	100		
64	30.4	24.3	36.5



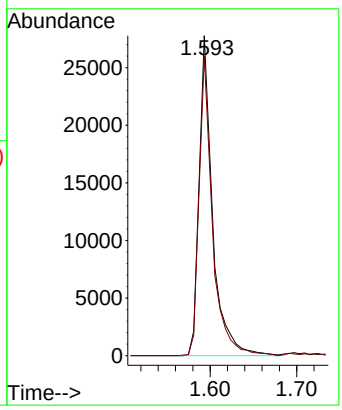


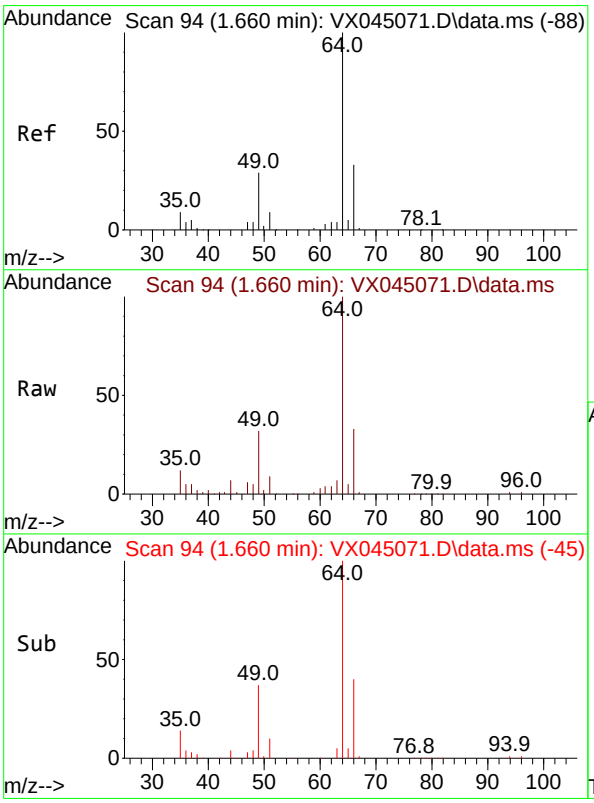
#5
Bromomethane
Concen: 57.066 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 30169

Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.0	112.4

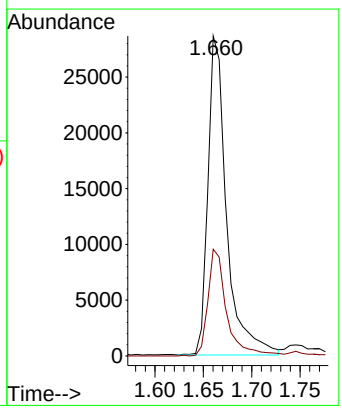


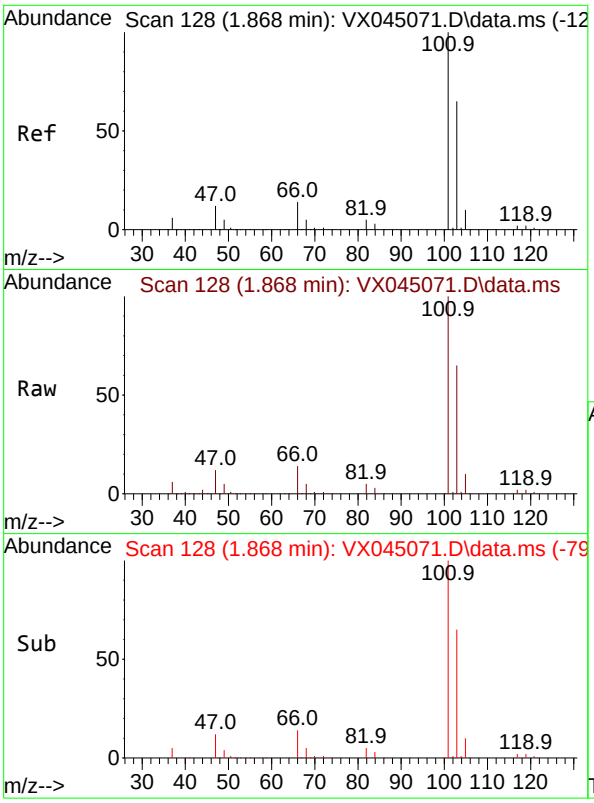


#6
Chloroethane
Concen: 59.750 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 64 Resp: 38461

Ion	Ratio	Lower	Upper
64	100		
66	33.4	26.7	40.1



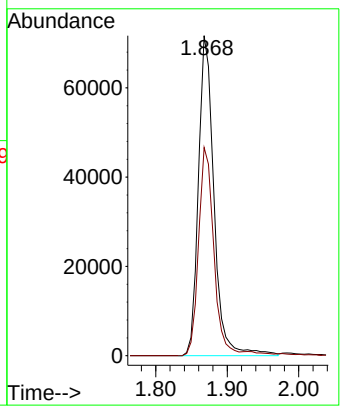


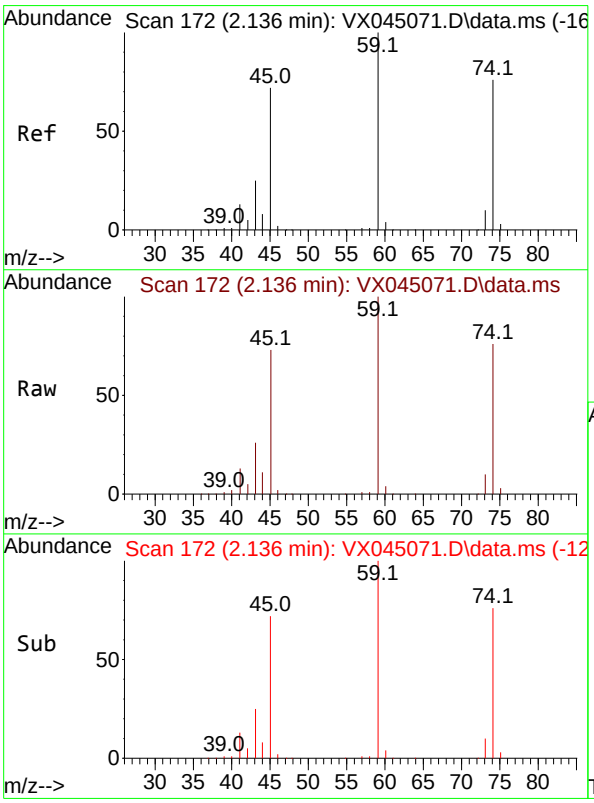
#7
Trichlorofluoromethane
Concen: 50.047 ug/l
RT: 1.868 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 108411

Ion	Ratio	Lower	Upper
101	100		
103	65.1	52.1	78.1

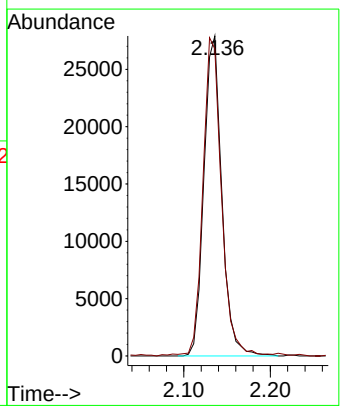


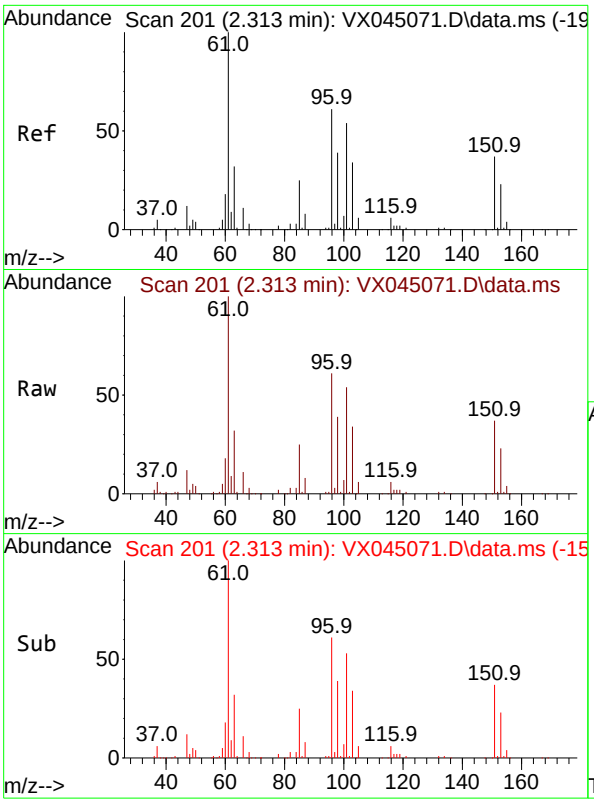


#8
Diethyl Ether
Concen: 50.814 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 74 Resp: 40001

Ion	Ratio	Lower	Upper
74	100		
45	103.0	51.5	154.5



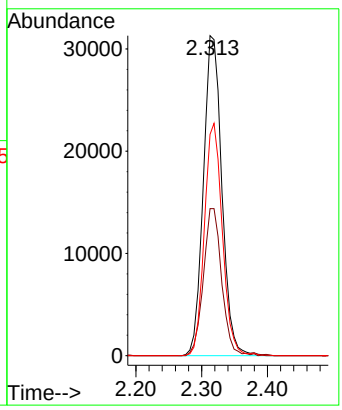


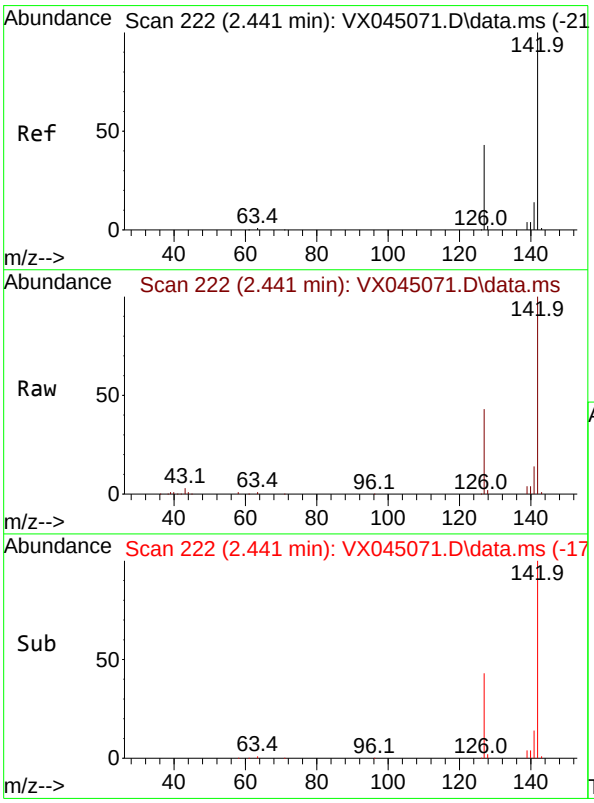
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.399 ug/l
RT: 2.313 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

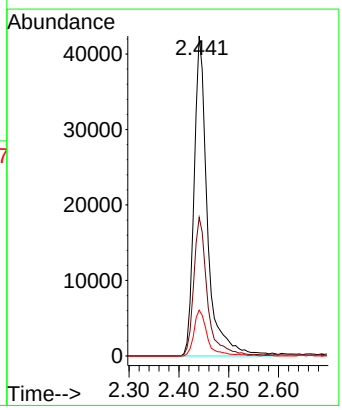


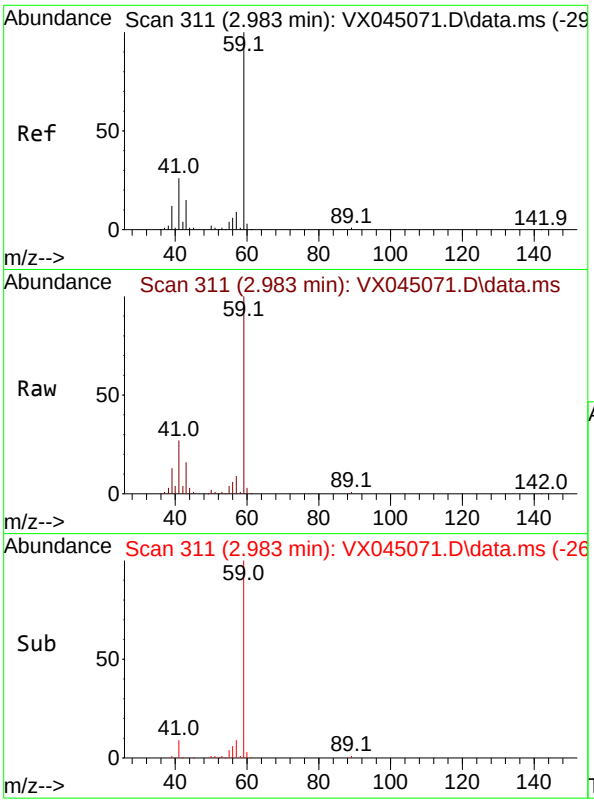


#10
Methyl Iodide
Concen: 47.854 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



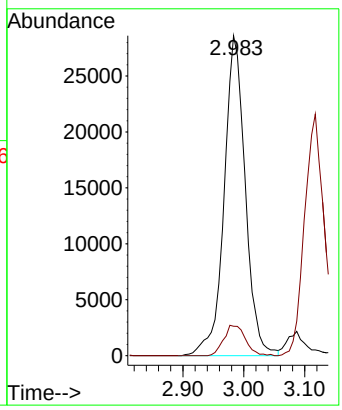


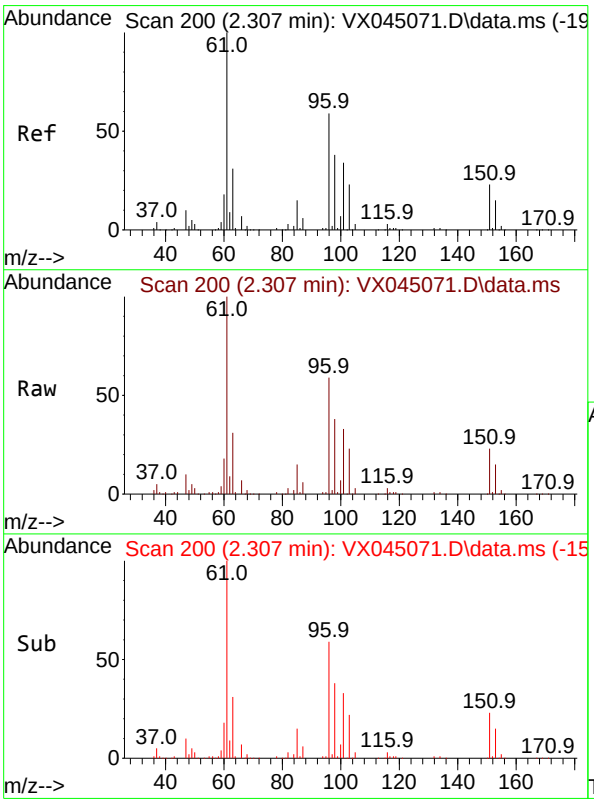
#11
Tert butyl alcohol
Concen: 247.496 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 69139

Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

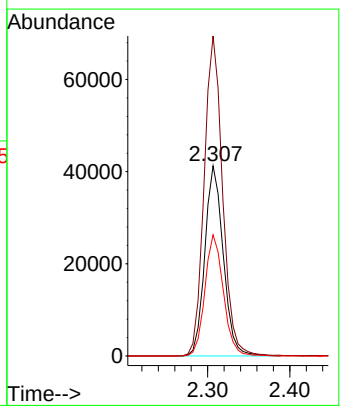


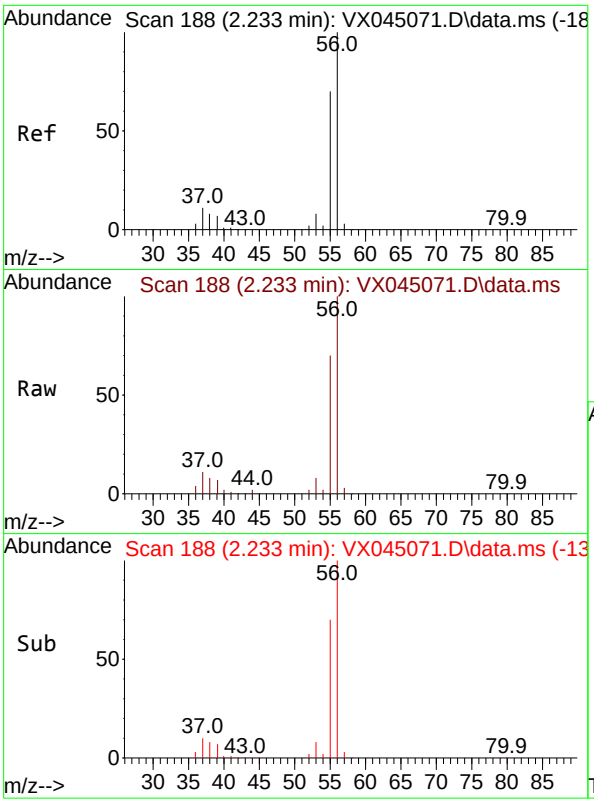


#12
1,1-Dichloroethene
Concen: 48.434 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



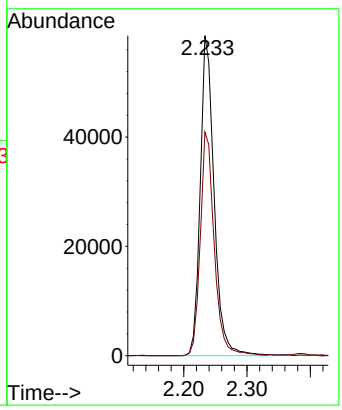


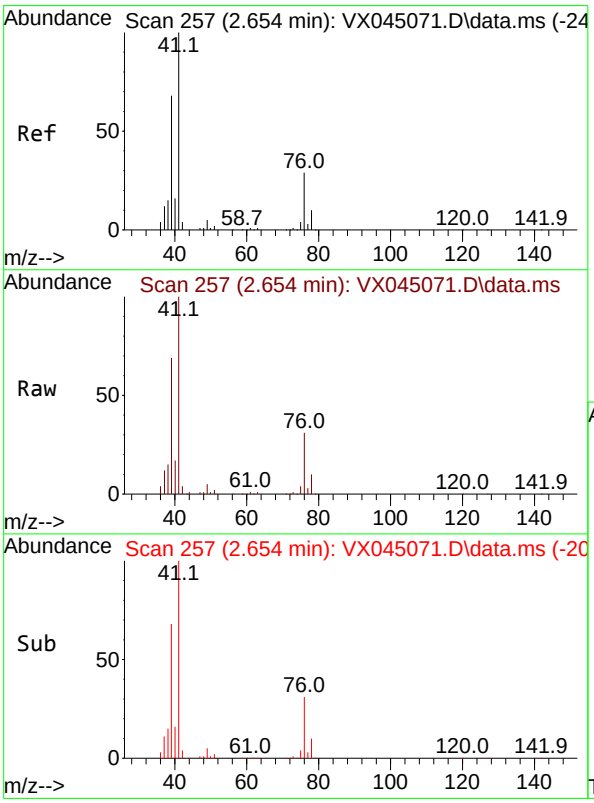
#13
Acrolein
Concen: 296.189 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 89603

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4

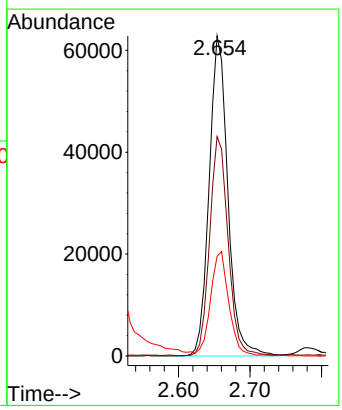


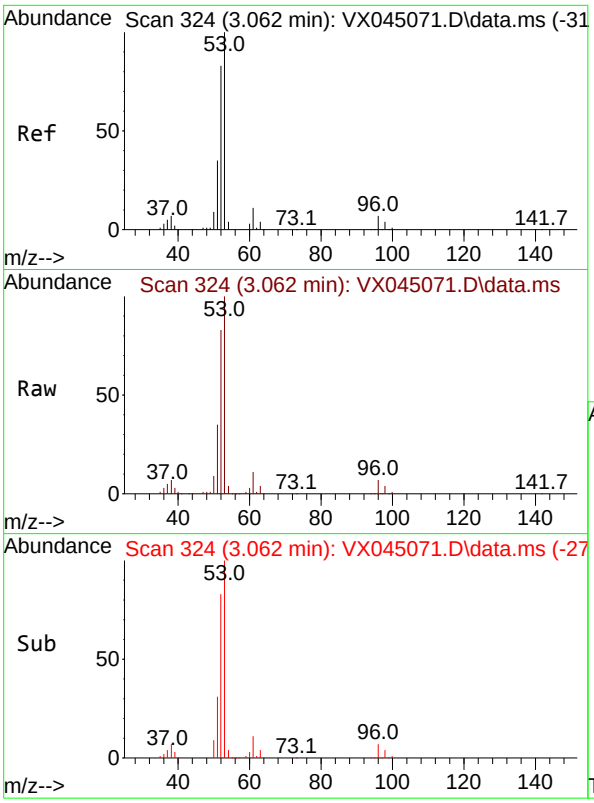


#14
Allyl chloride
Concen: 47.875 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



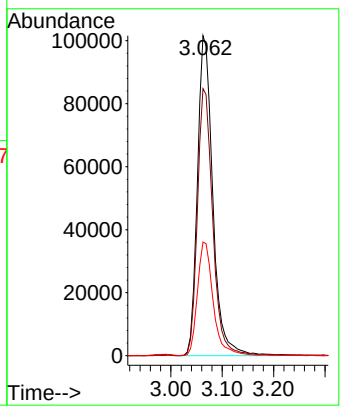


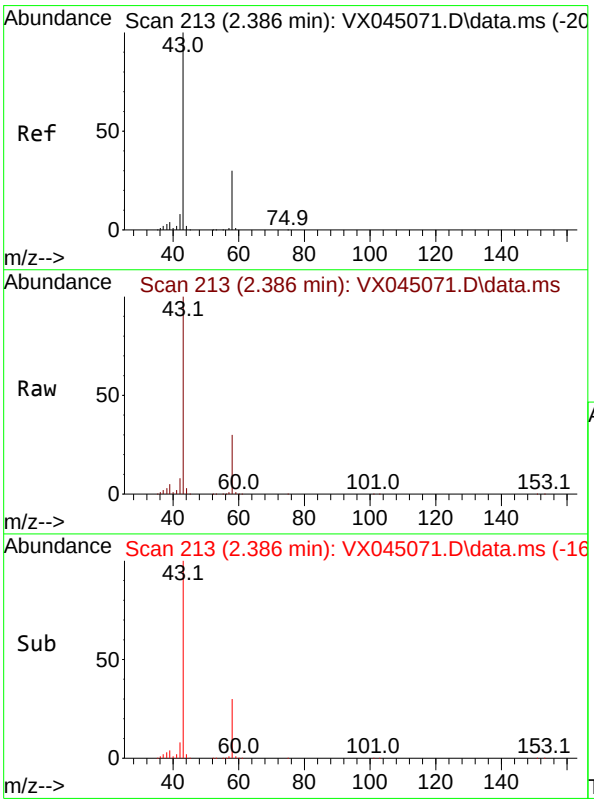
#15
Acrylonitrile
Concen: 278.519 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

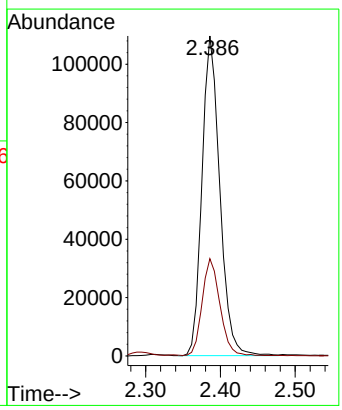


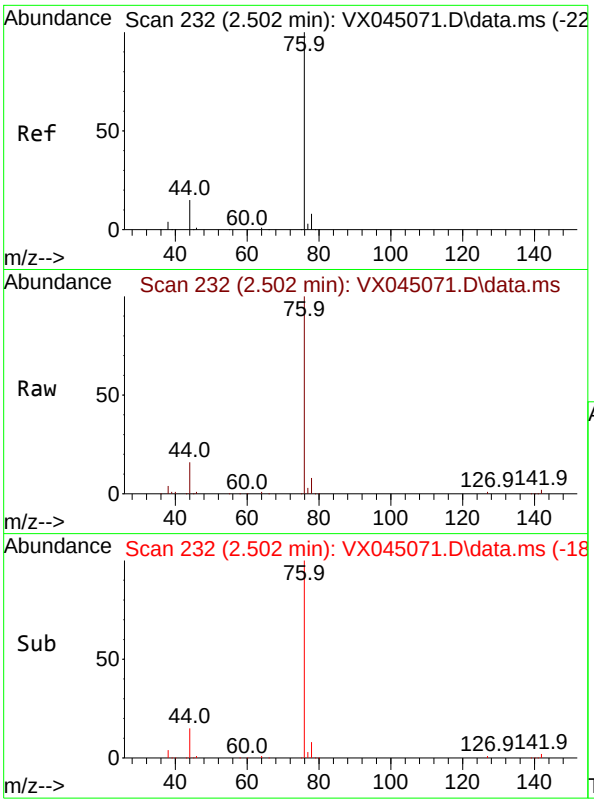


#16
Acetone
Concen: 289.130 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 181429

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4



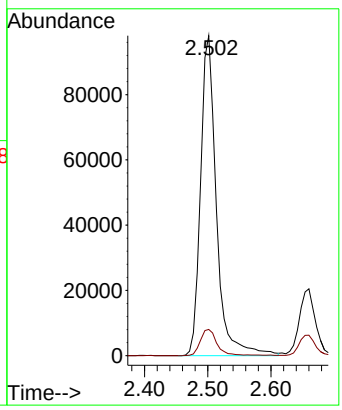


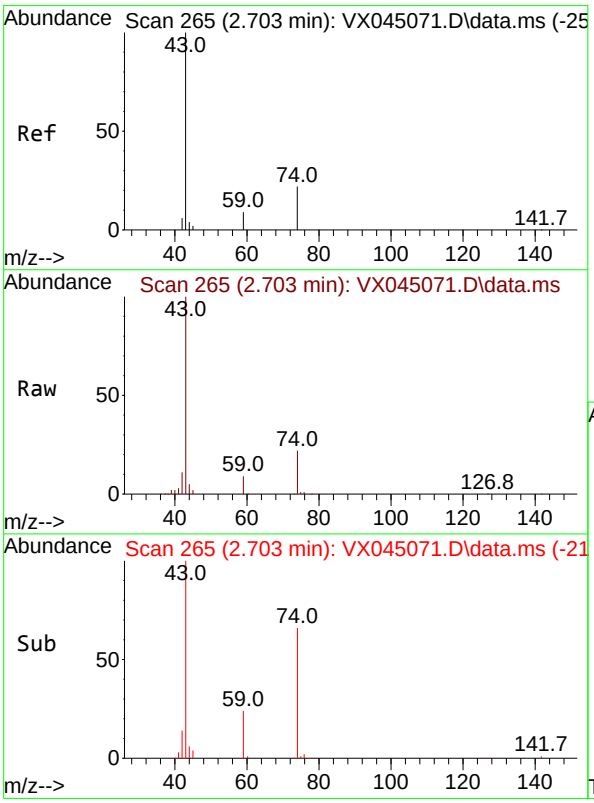
#17
Carbon Disulfide
Concen: 47.419 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 171353

Ion	Ratio	Lower	Upper
76	100		
78	8.2	6.6	9.8

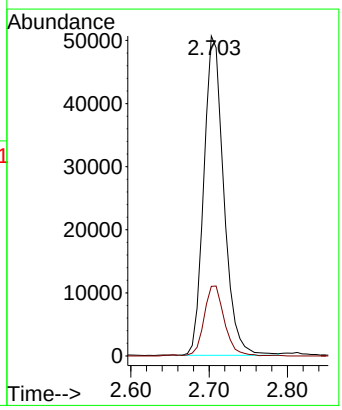


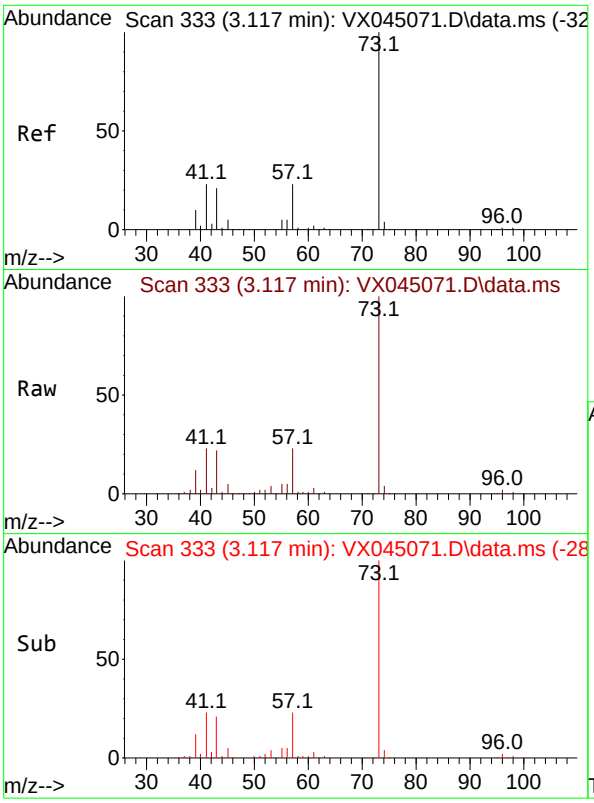


#18
Methyl Acetate
Concen: 47.359 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 43 Resp: 89508

Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2



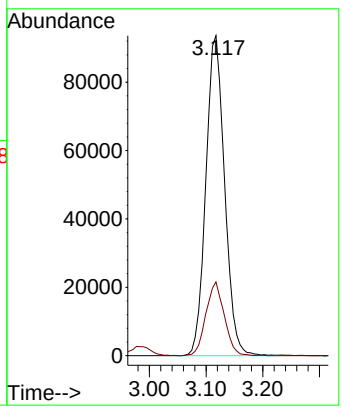


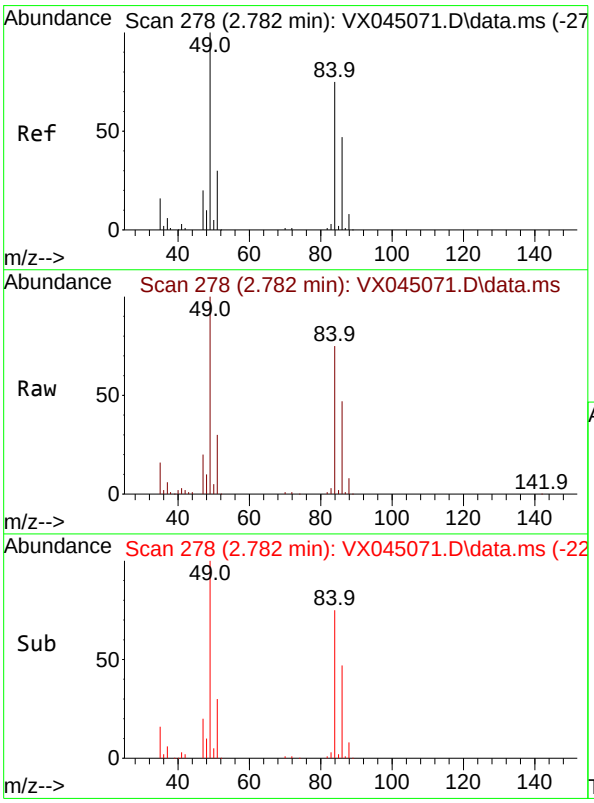
#19
Methyl tert-butyl Ether
Concen: 50.642 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 215043

Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.5	27.7

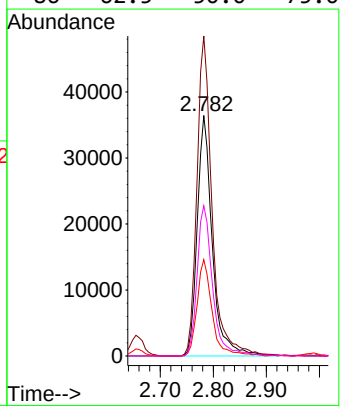


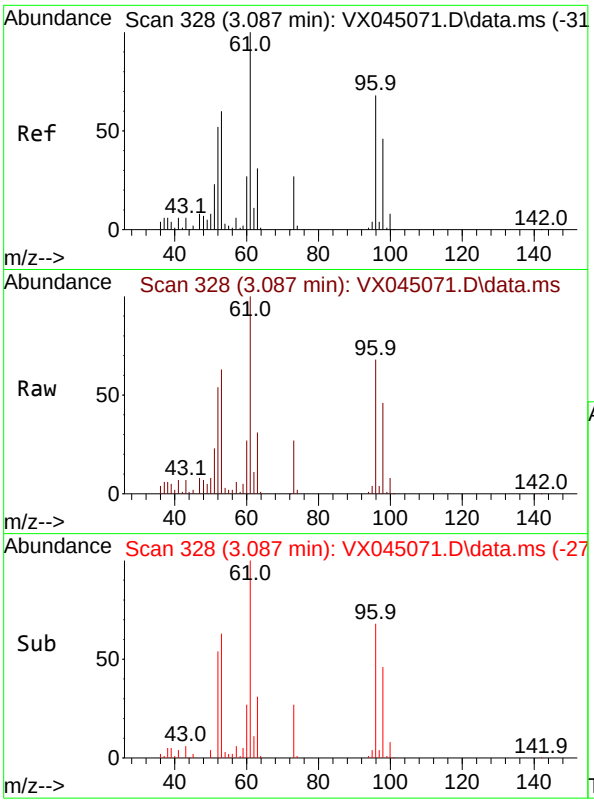


#20
Methylene Chloride
Concen: 48.500 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



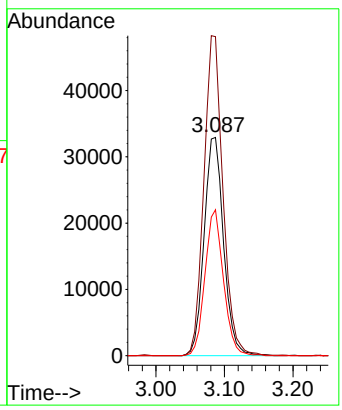


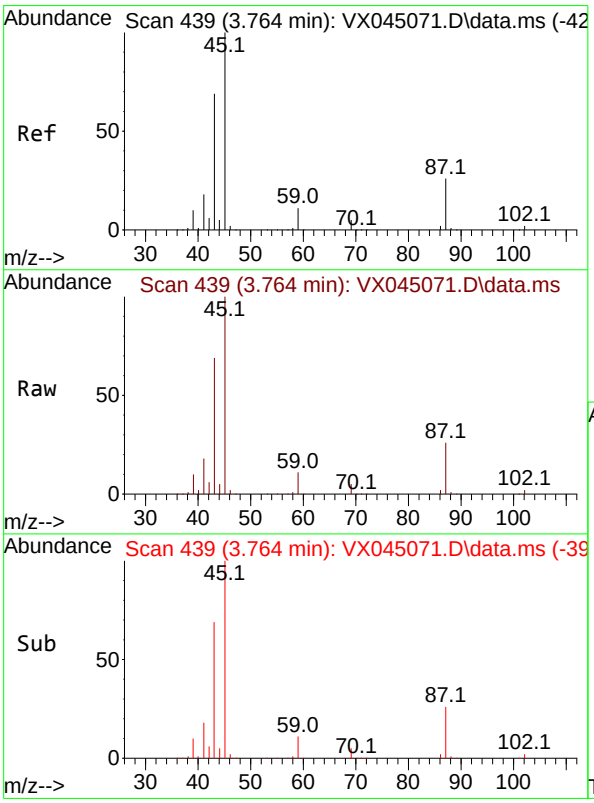
#21
trans-1,2-Dichloroethene
Concen: 49.832 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

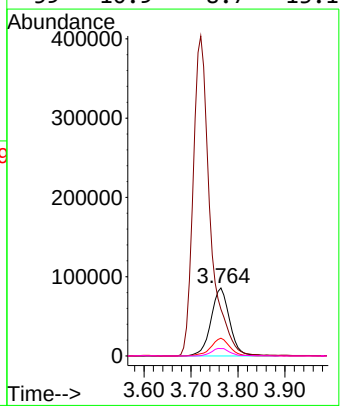


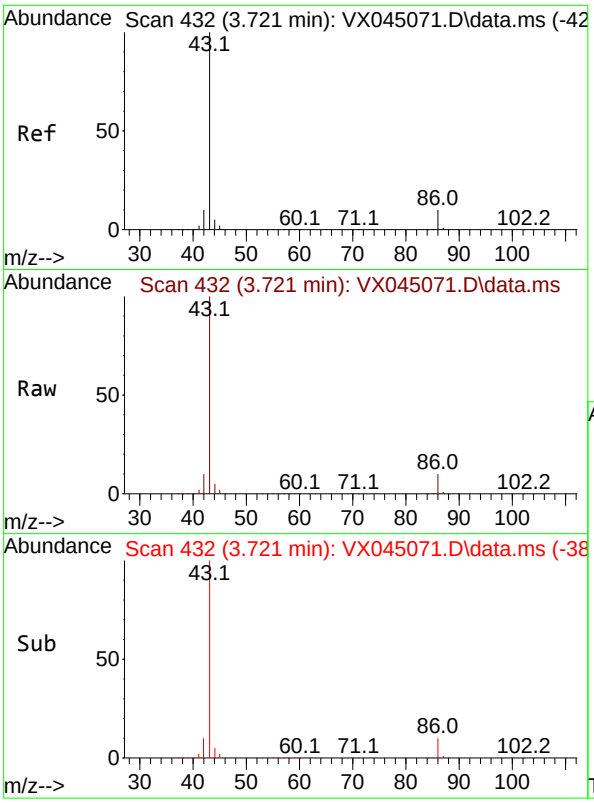


#22
Diisopropyl ether
Concen: 51.816 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



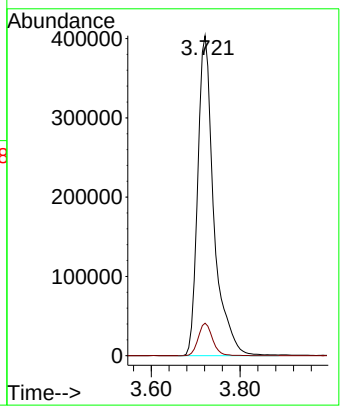


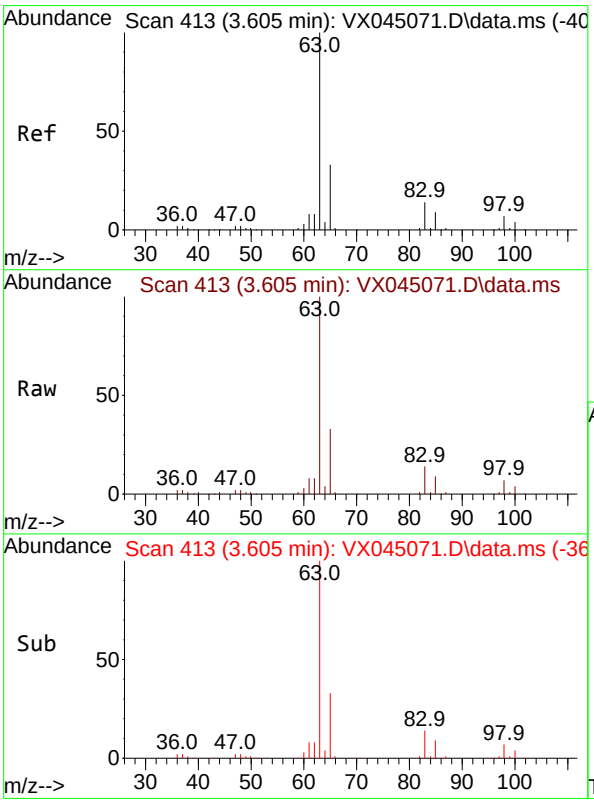
#23
Vinyl Acetate
Concen: 271.773 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1018631

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

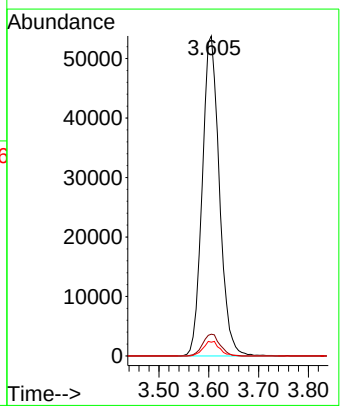


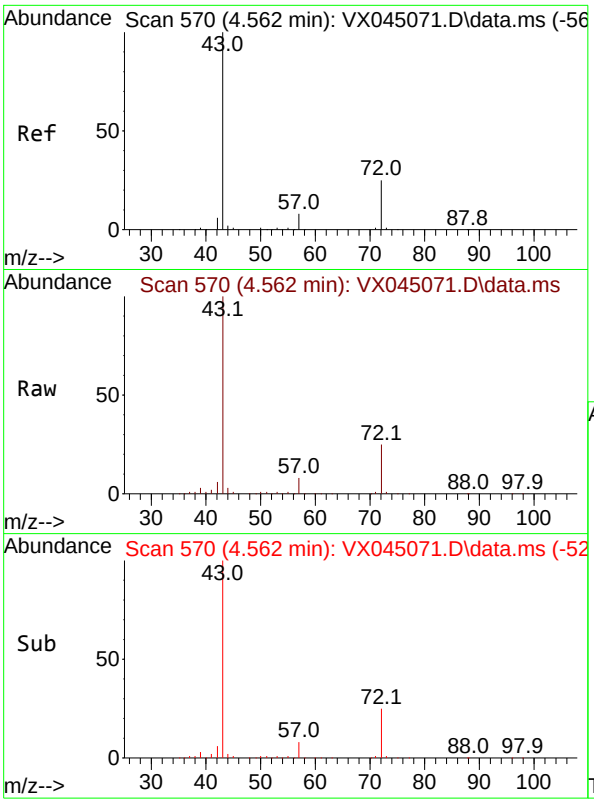


#24
1,1-Dichloroethane
Concen: 50.270 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



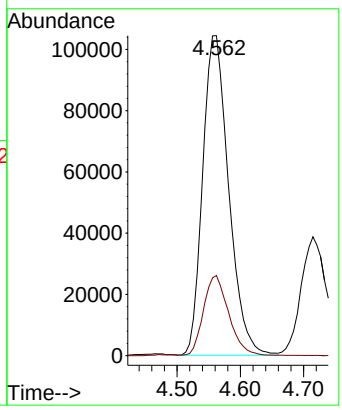


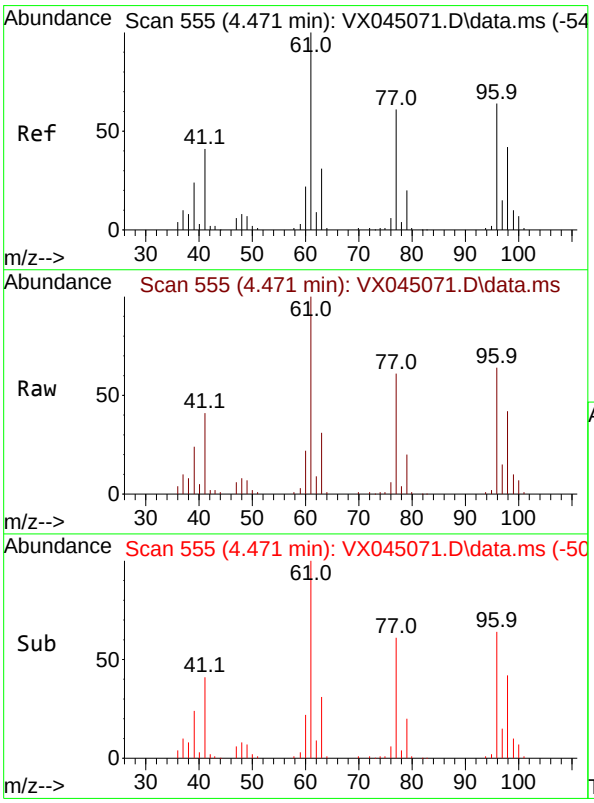
#25
2-Butanone
Concen: 295.330 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 298785

Ion	Ratio	Lower	Upper
43	100		
72	25.0	20.0	30.0

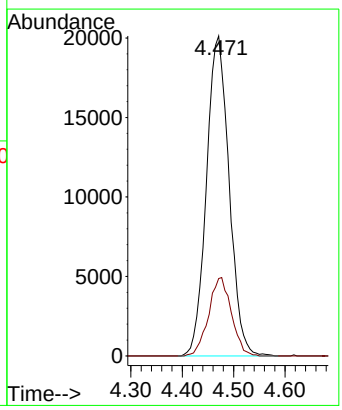


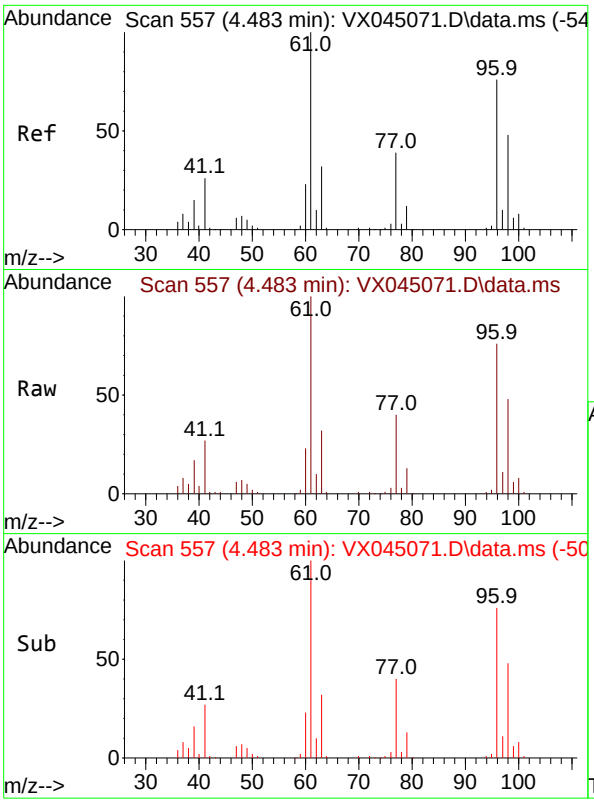


#26
2,2-Dichloropropane
Concen: 32.498 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 77 Resp: 61631

Ion	Ratio	Lower	Upper
77	100		
97	24.7	12.4	37.0



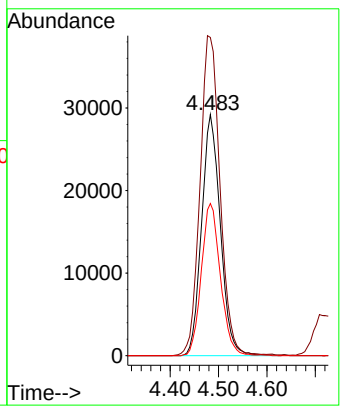


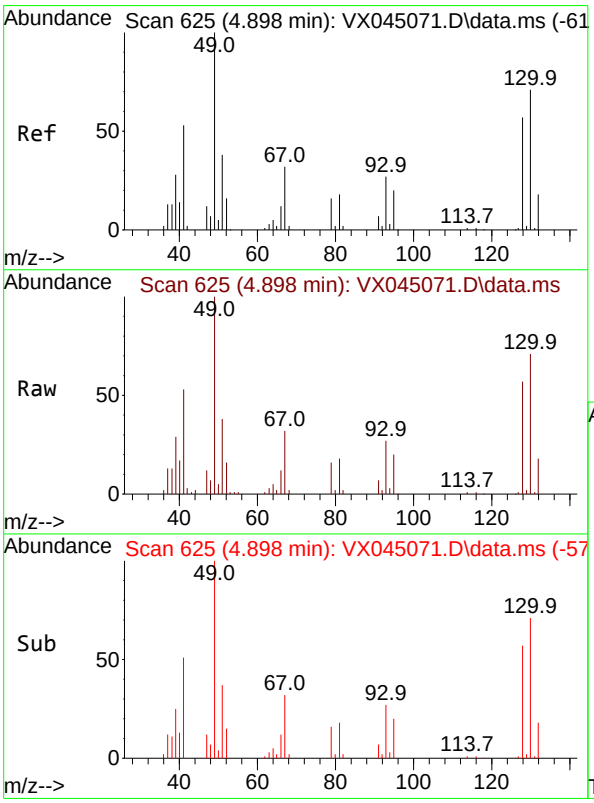
#27
cis-1,2-Dichloroethene
Concen: 49.955 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

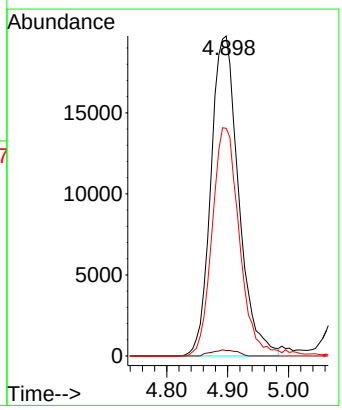


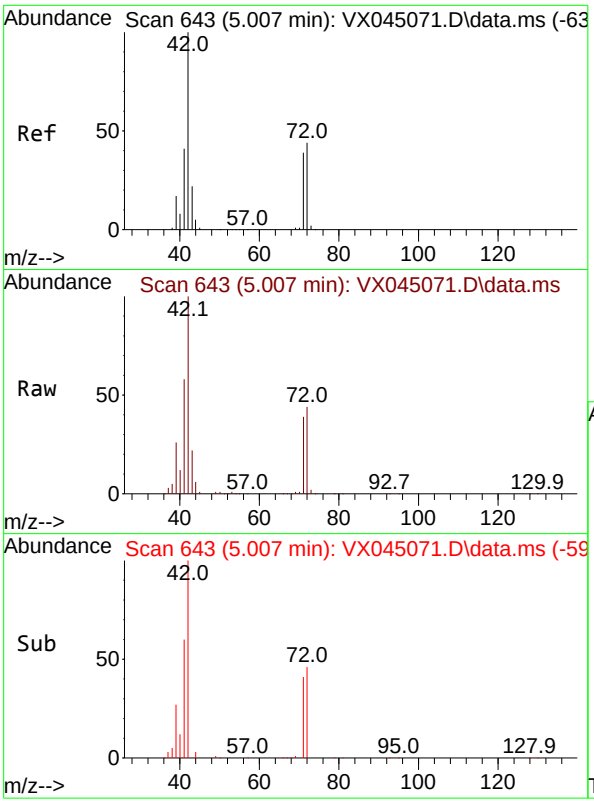


#28
Bromochloromethane
Concen: 50.643 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



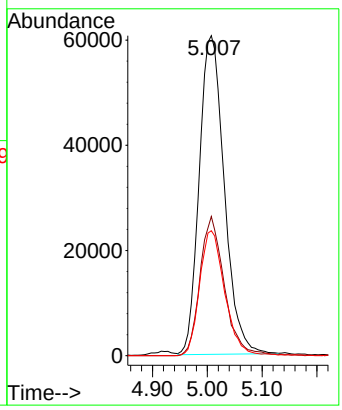


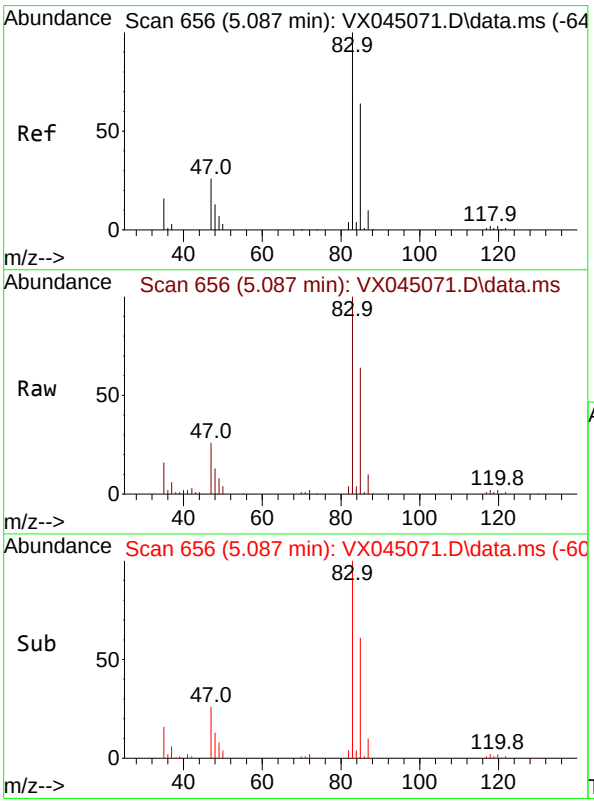
#29
Tetrahydrofuran
Concen: 287.345 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

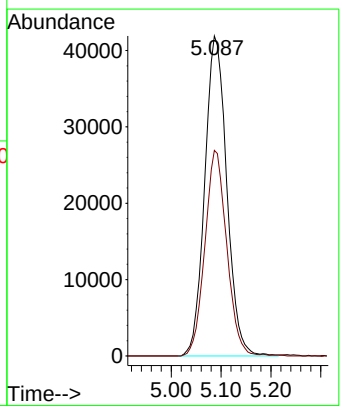


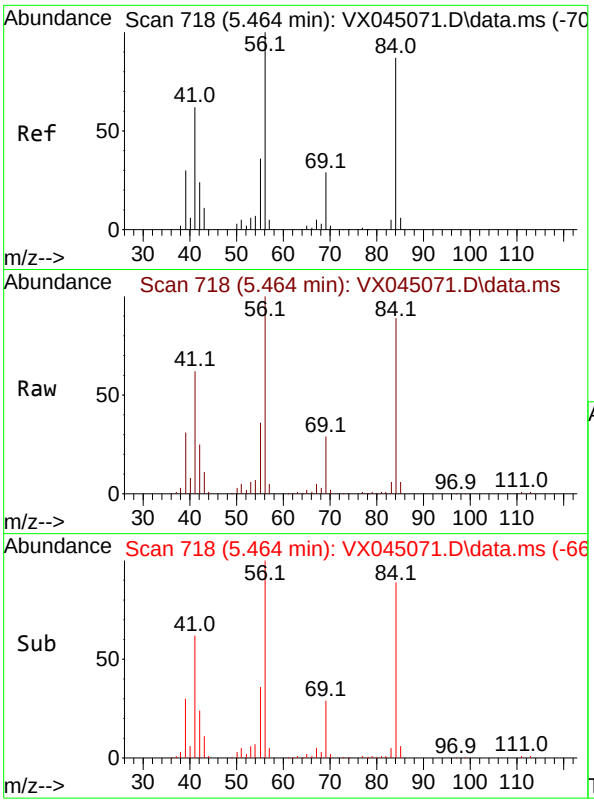


#30
Chloroform
Concen: 51.532 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 83 Resp: 128581

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2



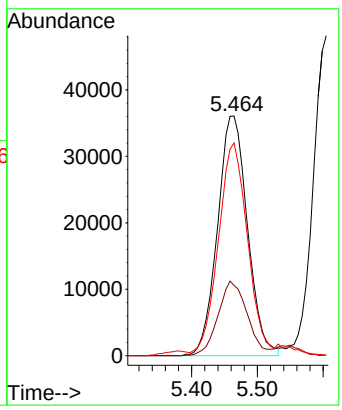


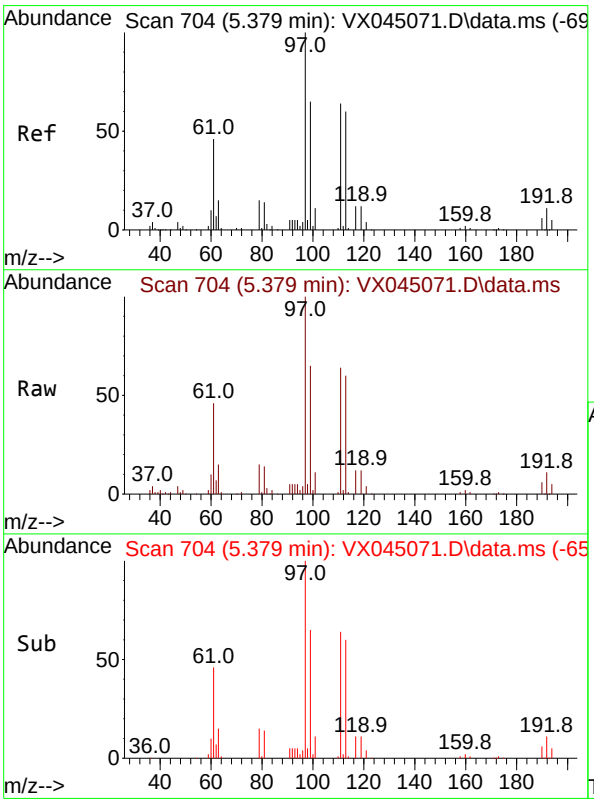
#31
Cyclohexane
Concen: 48.836 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

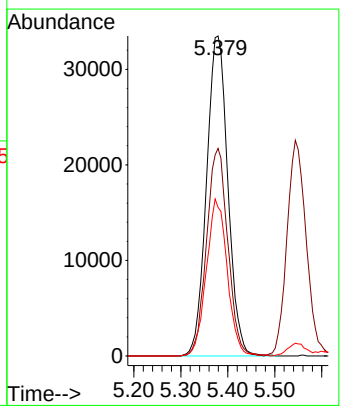


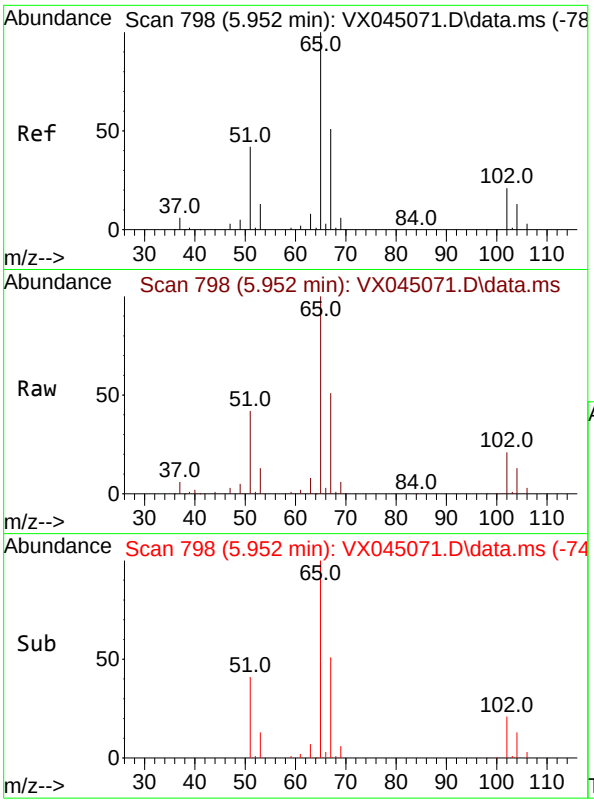


#32
1,1,1-Trichloroethane
Concen: 50.306 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



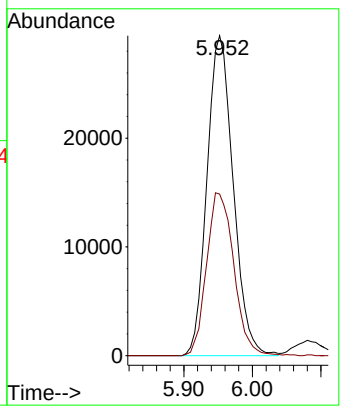


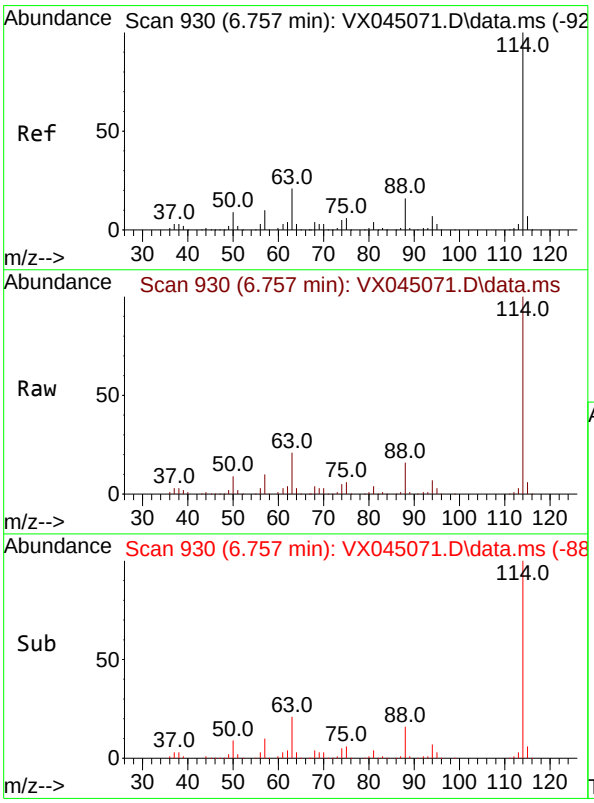
#33
1,2-Dichloroethane-d4
Concen: 51.250 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 78159

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2

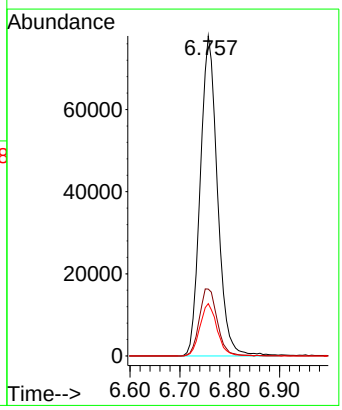


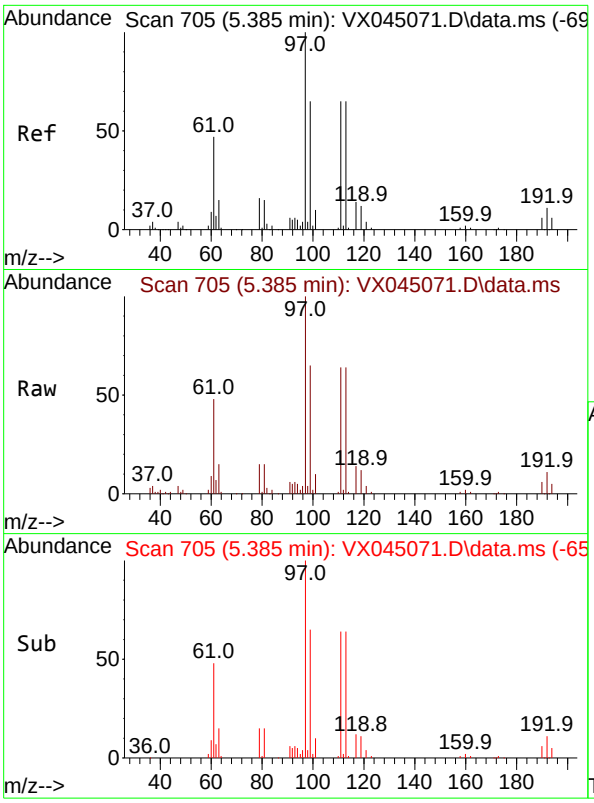


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



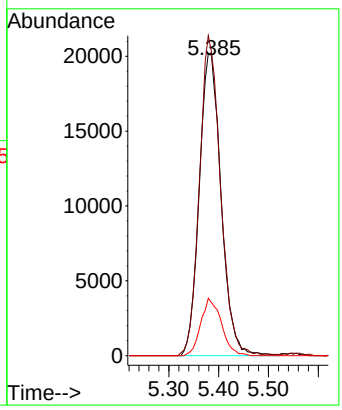


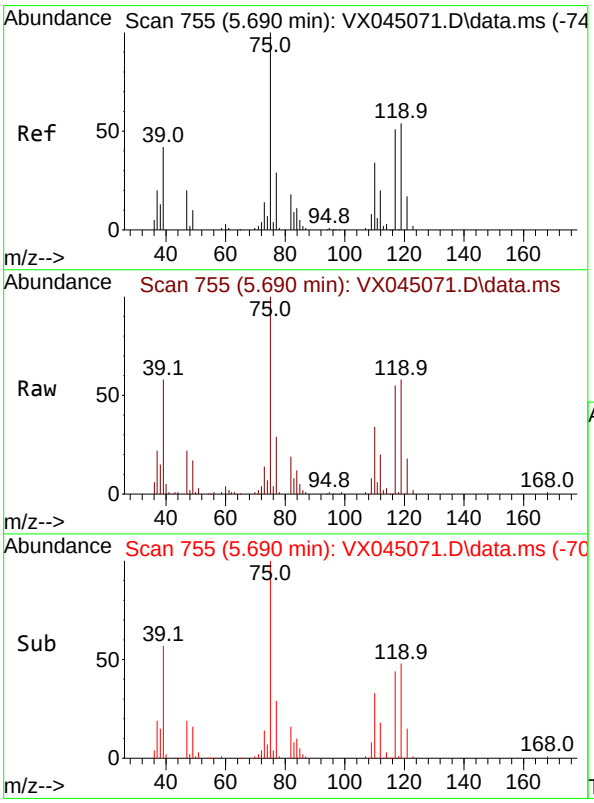
#35
Dibromofluoromethane
Concen: 50.346 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

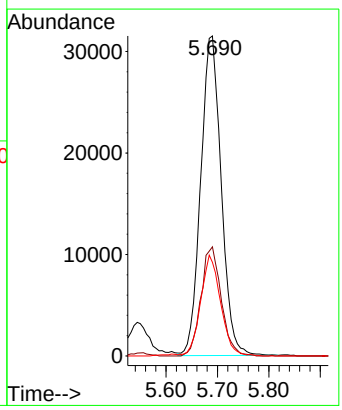


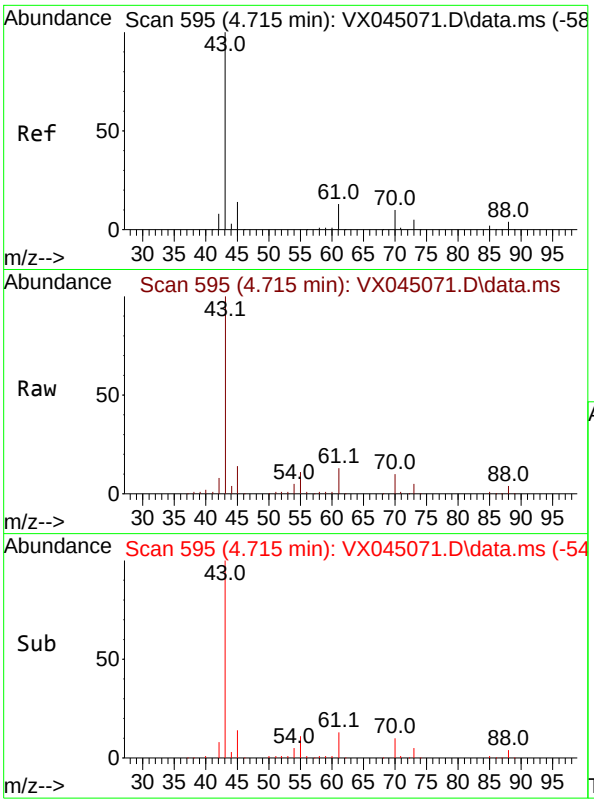


#36
1,1-Dichloropropene
Concen: 49.861 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



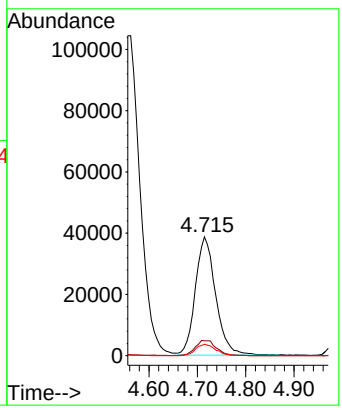


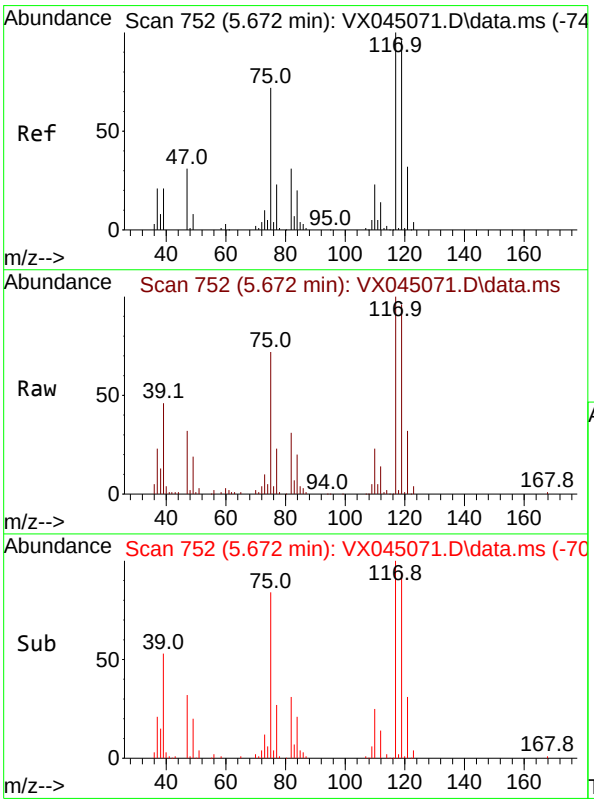
#37
Ethyl Acetate
Concen: 56.641 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

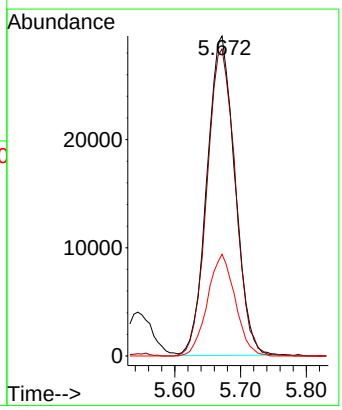


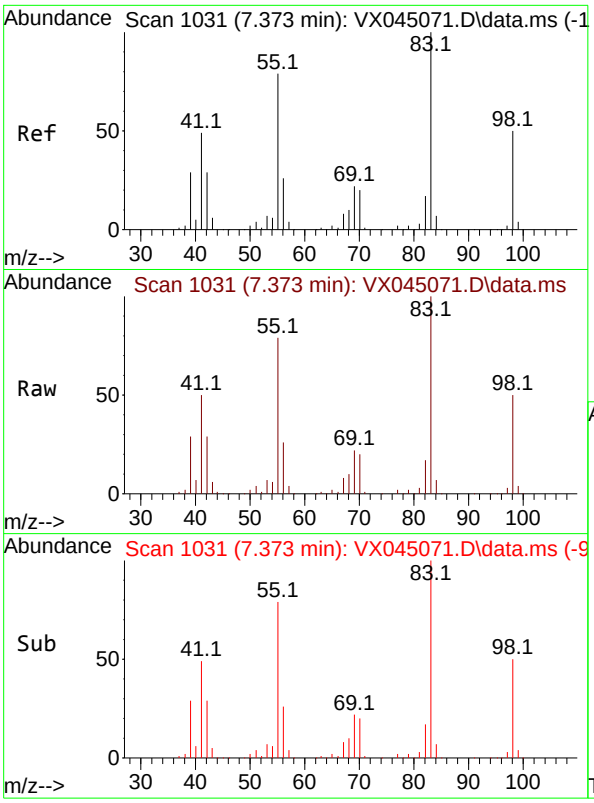


#38
Carbon Tetrachloride
Concen: 50.593 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



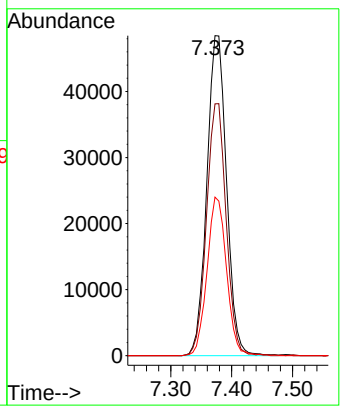


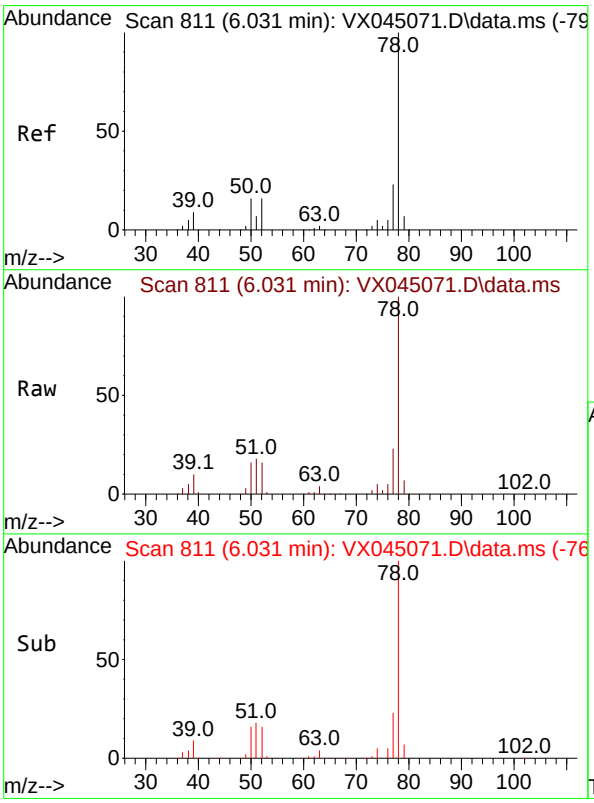
#39
Methylcyclohexane
Concen: 48.715 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

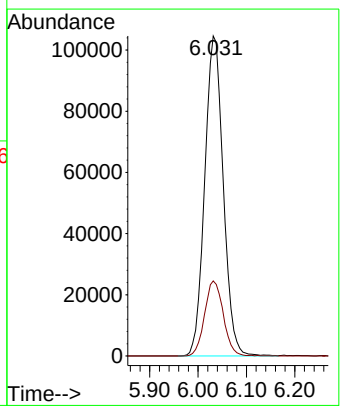


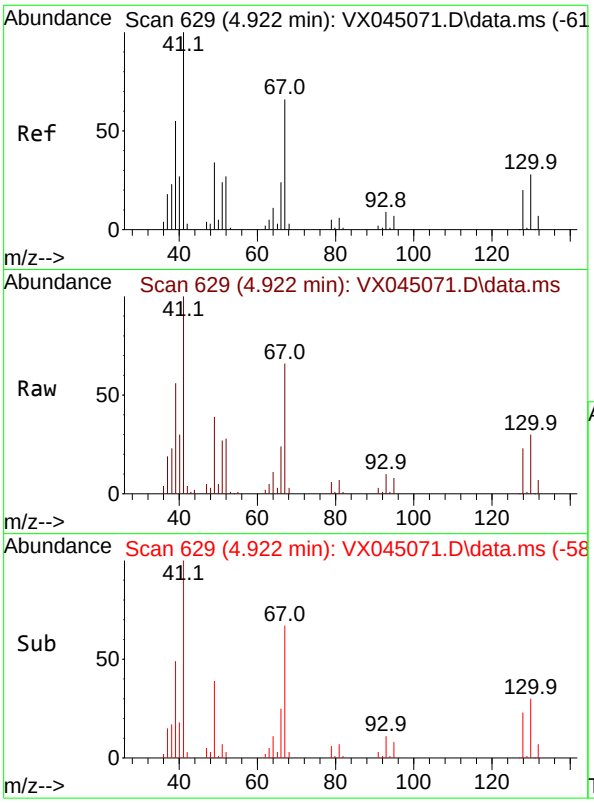


#40
Benzene
Concen: 50.925 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 78 Resp: 278802

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



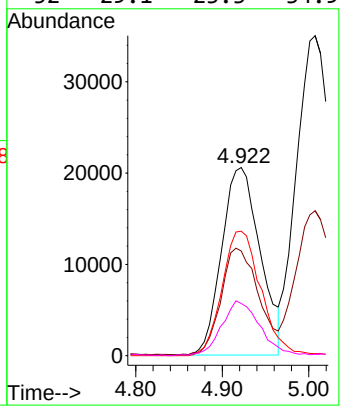


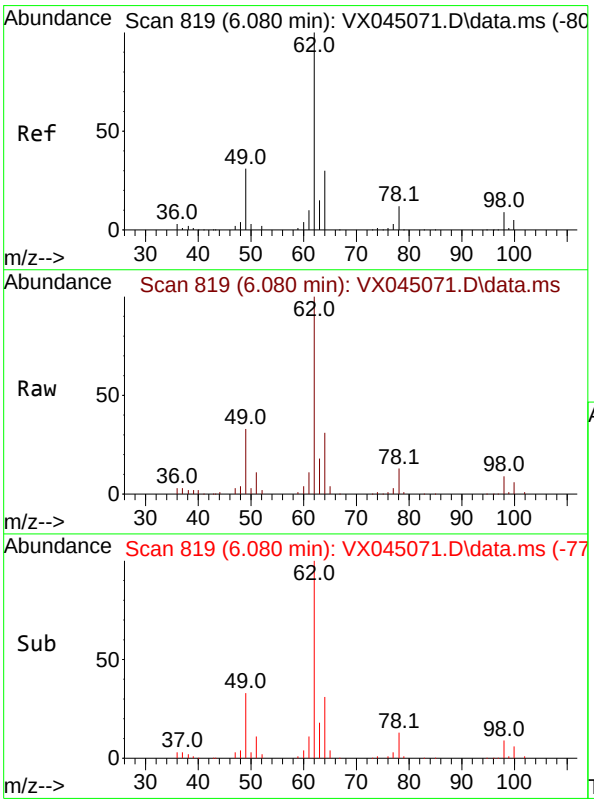
#41
Methacrylonitrile
Concen: 59.598 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

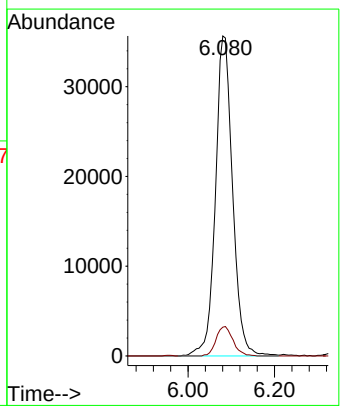


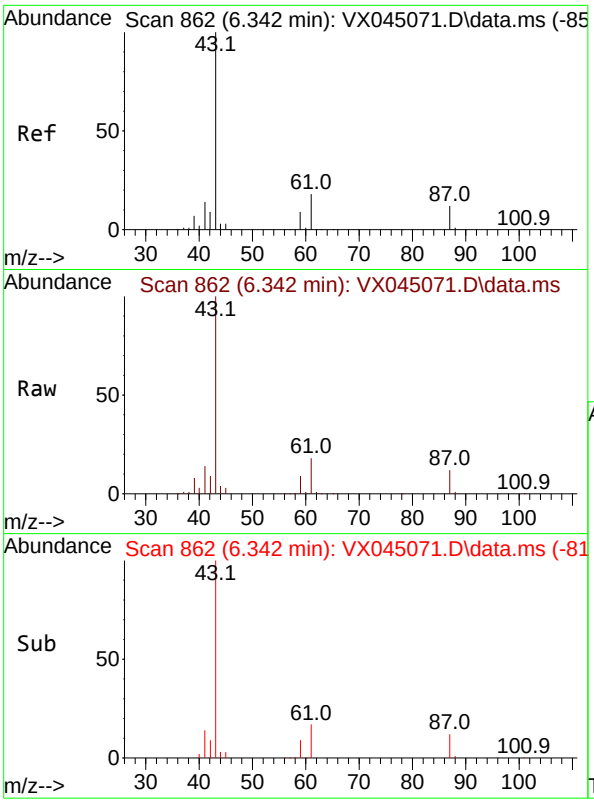


#42
1,2-Dichloroethane
Concen: 55.428 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 62 Resp: 98340

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



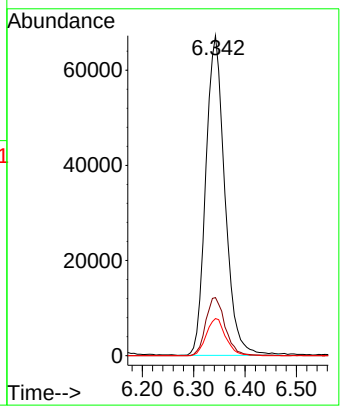


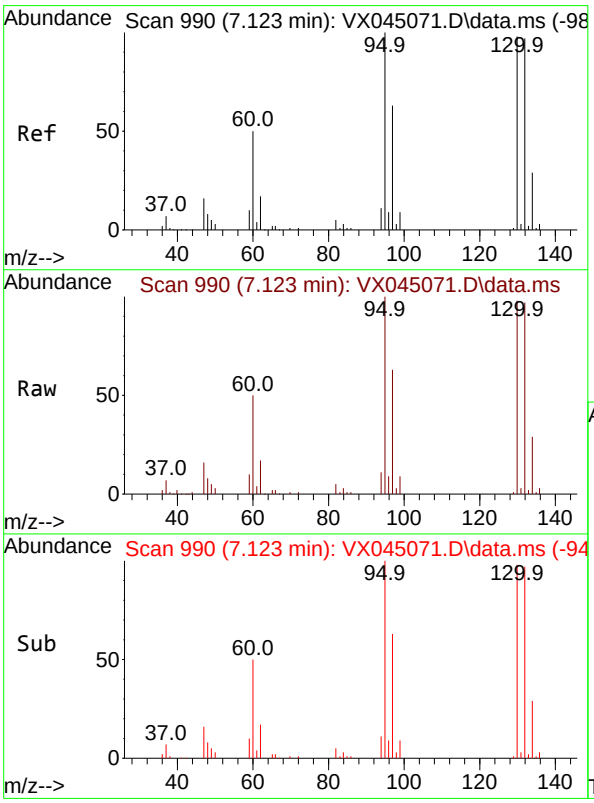
#43
Isopropyl Acetate
Concen: 54.544 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

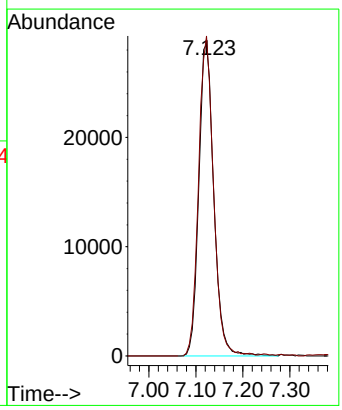


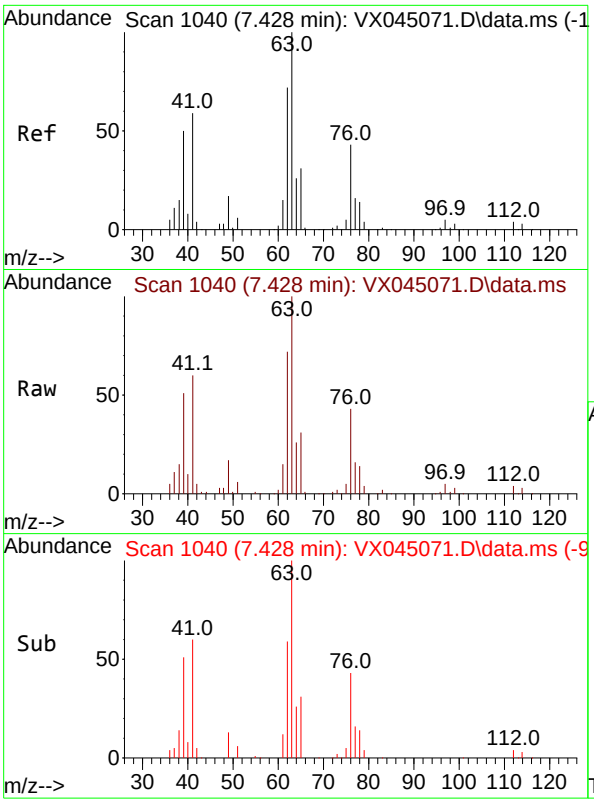


#44
Trichloroethene
Concen: 50.756 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:130 Resp: 63513

Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	205.0



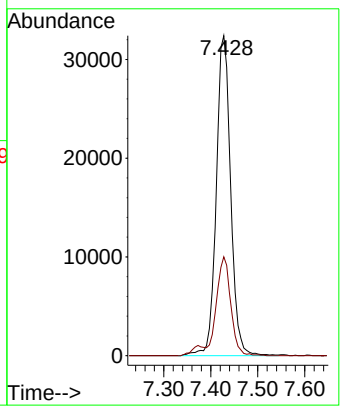


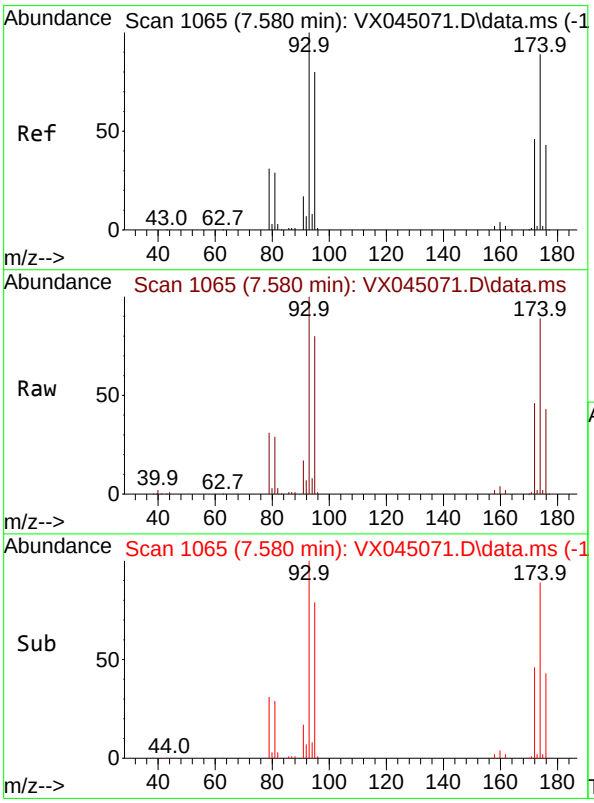
#45
1,2-Dichloropropane
Concen: 50.808 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 69128

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

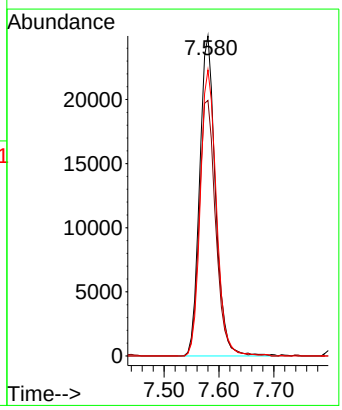


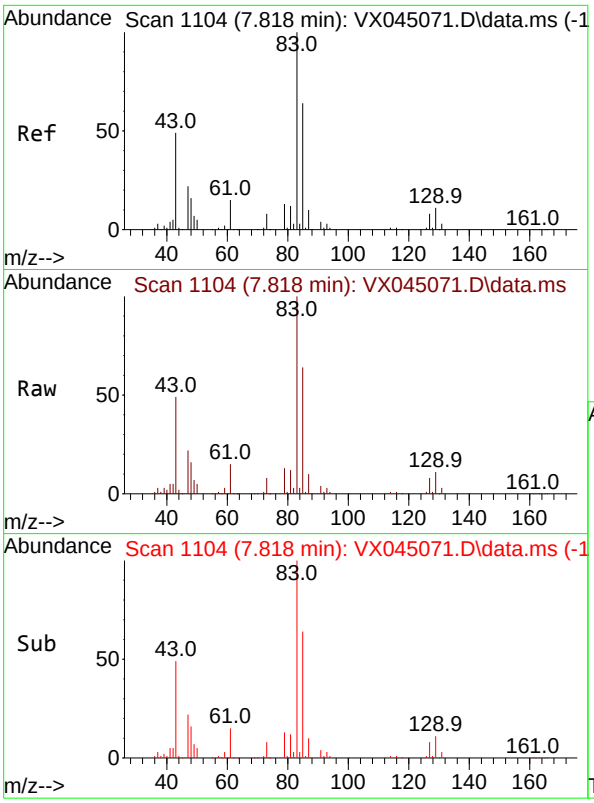


#46
Dibromomethane
Concen: 52.757 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



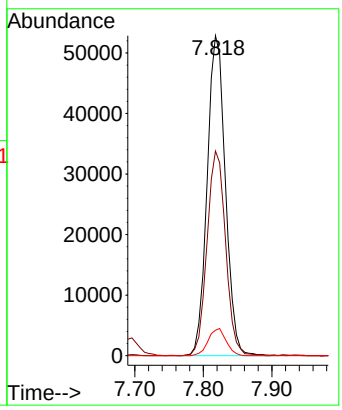


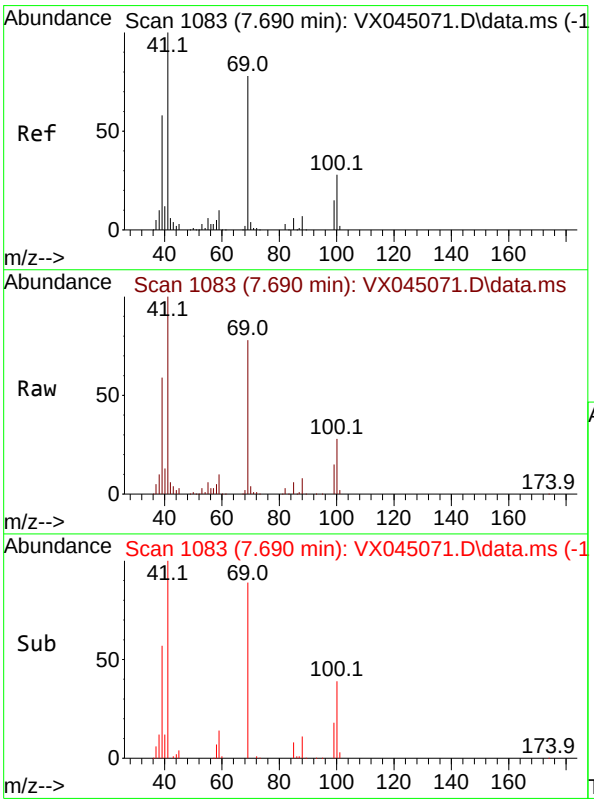
#47
Bromodichloromethane
Concen: 53.153 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

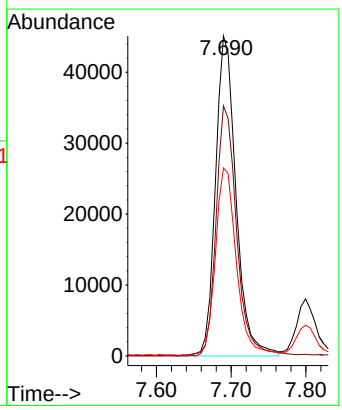


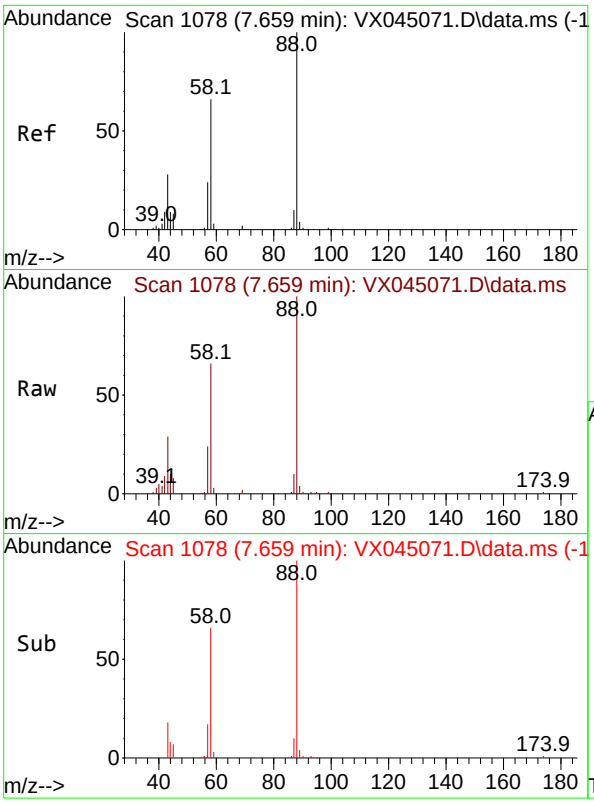


#48
Methyl methacrylate
Concen: 57.256 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



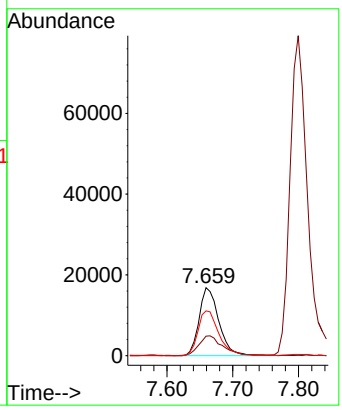


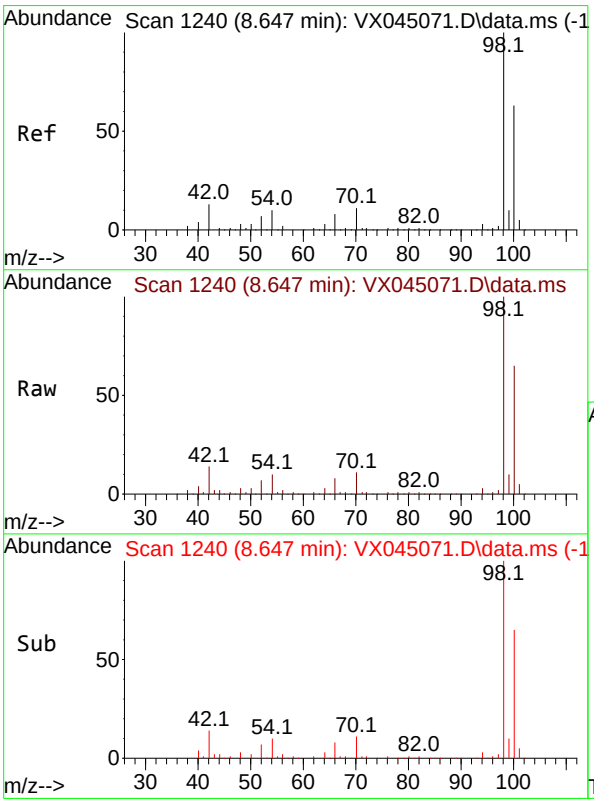
#49
1,4-Dioxane
Concen: 1095.003 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

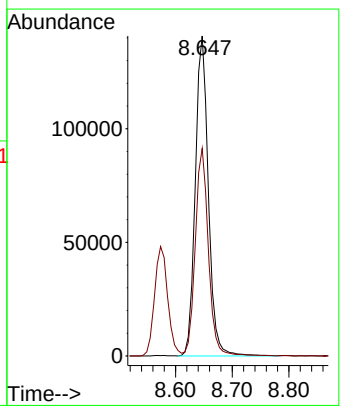


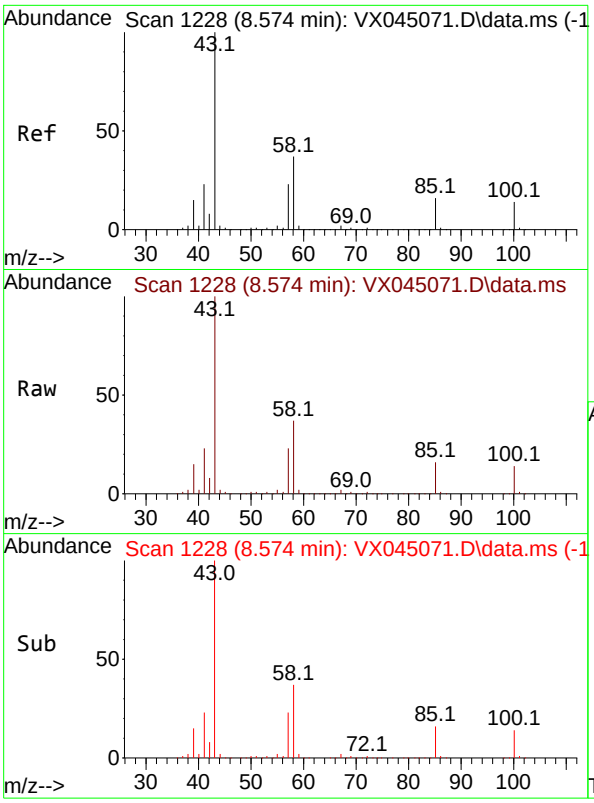


#50
Toluene-d8
Concen: 49.449 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 98 Resp: 225493

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0



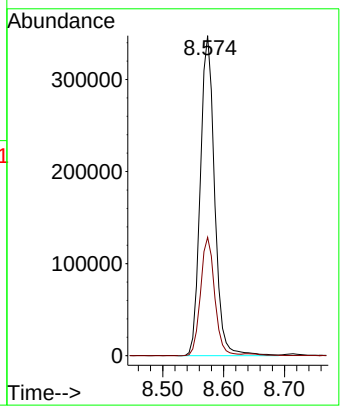


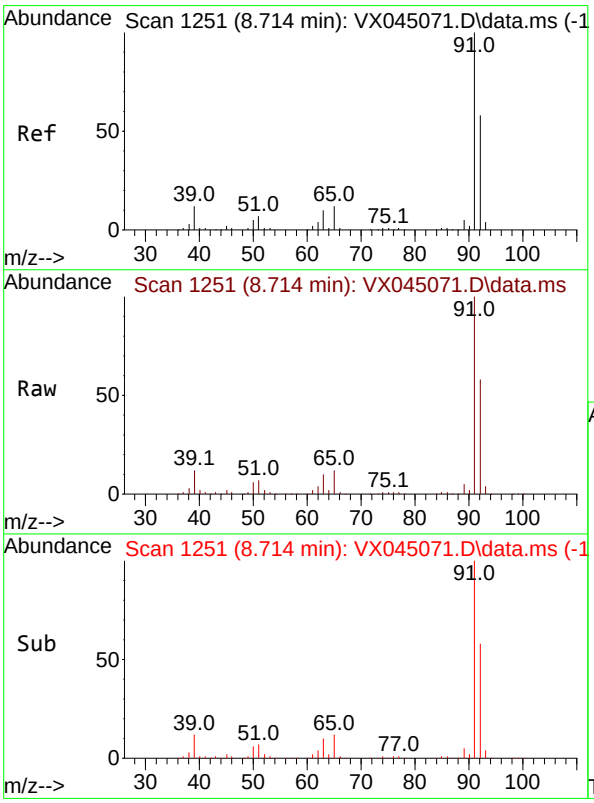
#51
4-Methyl-2-Pentanone
Concen: 292.570 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 568737

Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.2	43.8

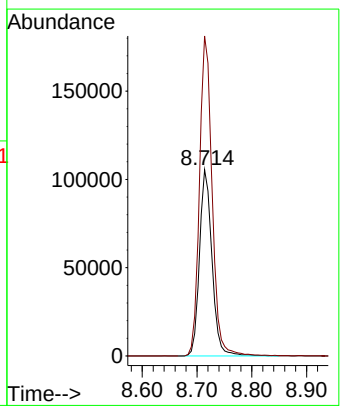


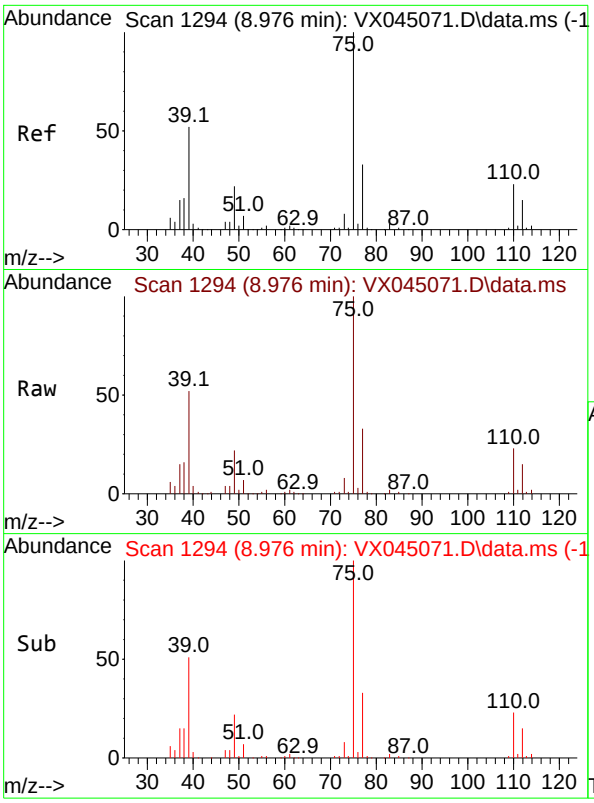


#52
Toluene
Concen: 51.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 92 Resp: 167431

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3



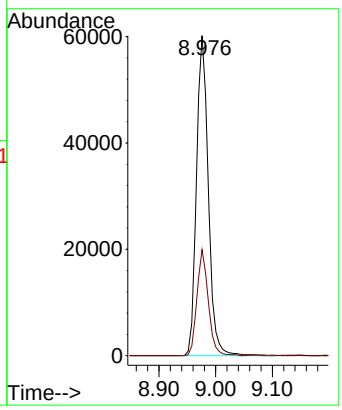


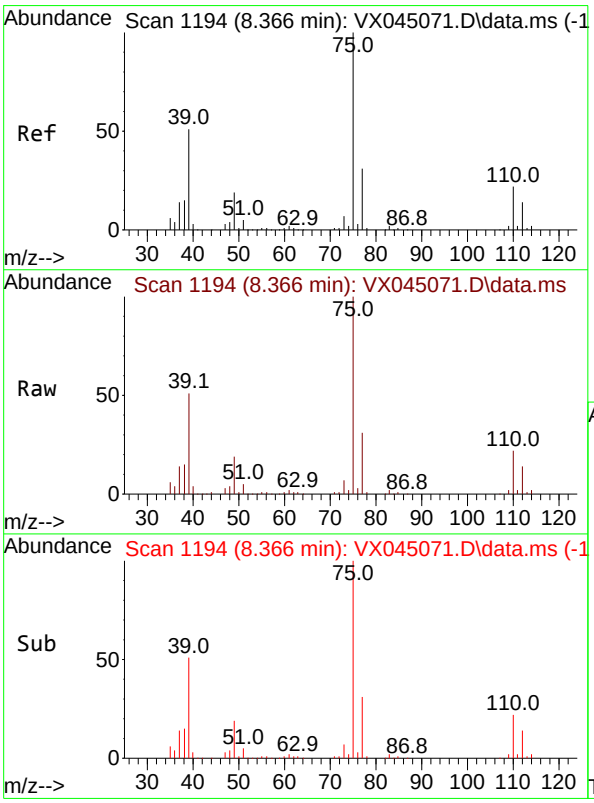
#53
t-1,3-Dichloropropene
Concen: 48.078 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 87373

Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.5	39.7

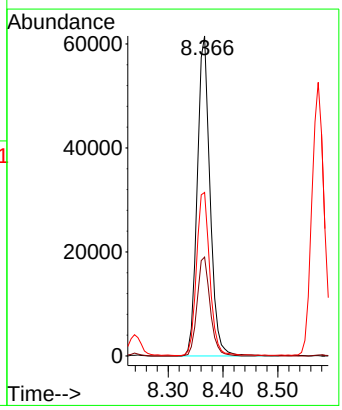


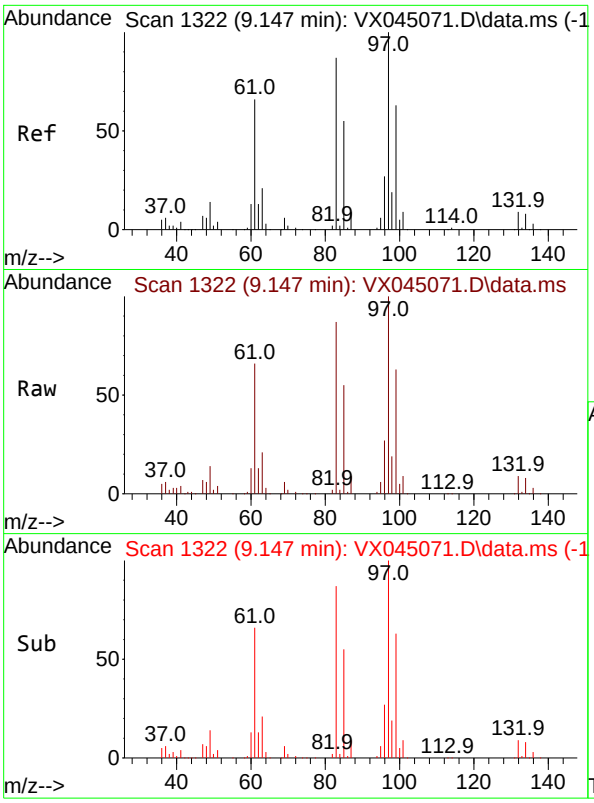


#54
cis-1,3-Dichloropropene
Concen: 49.079 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



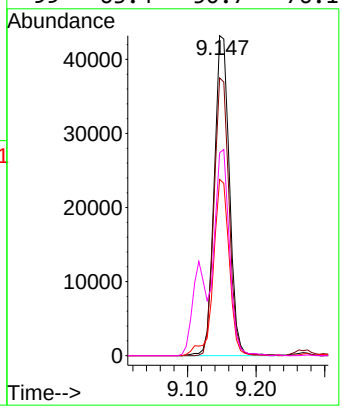


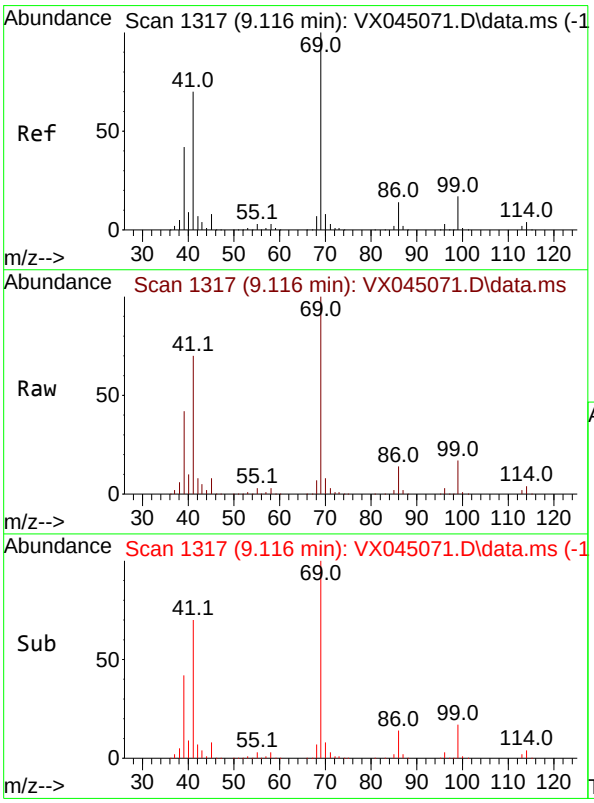
#55
1,1,2-Trichloroethane
Concen: 52.724 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

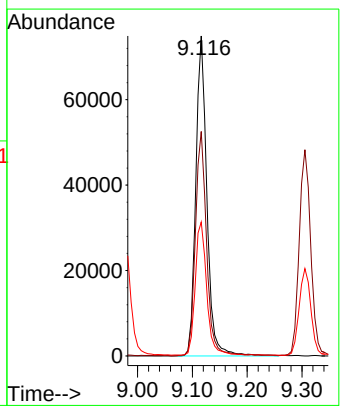


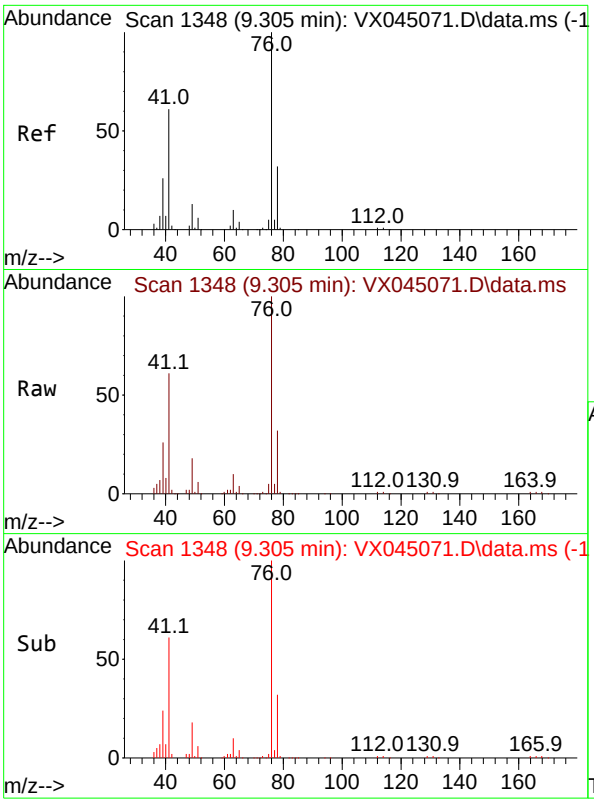


#56
Ethyl methacrylate
Concen: 52.724 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



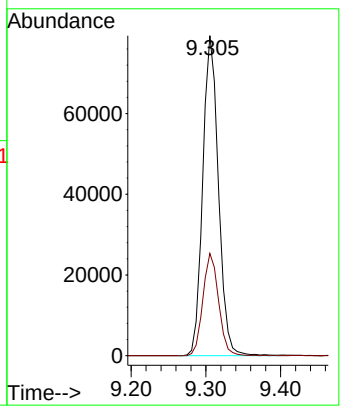


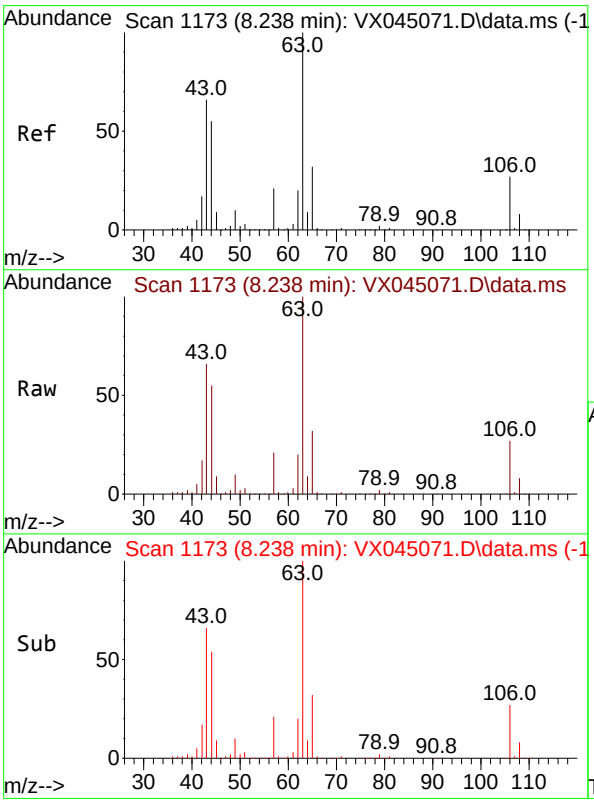
#57
1,3-Dichloropropane
Concen: 52.594 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 115488

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

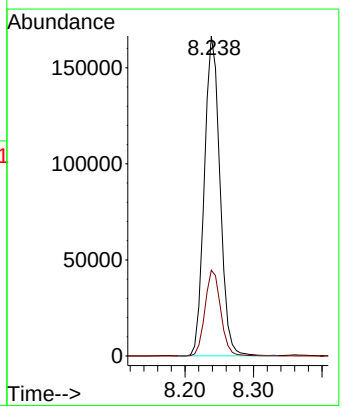


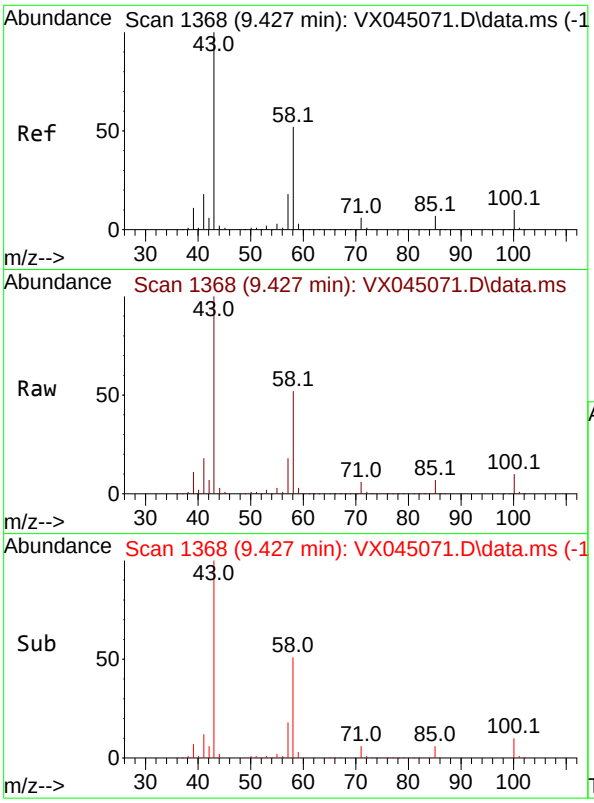


#58
2-Chloroethyl Vinyl ether
Concen: 267.612 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 63 Resp: 264555

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3



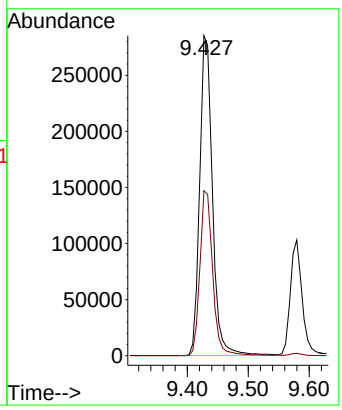


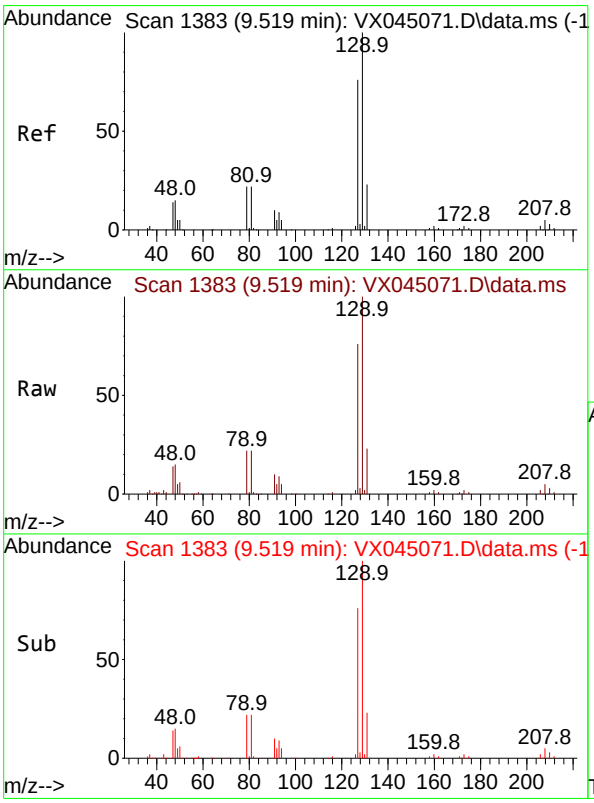
#59
2-Hexanone
Concen: 297.362 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 416984

Ion	Ratio	Lower	Upper
43	100		
58	51.7	25.9	77.6

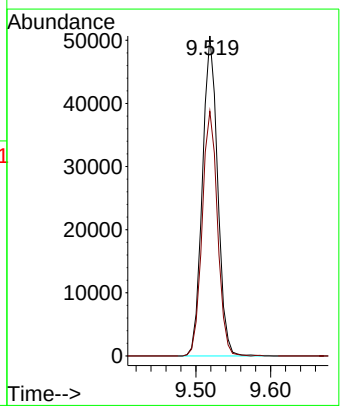


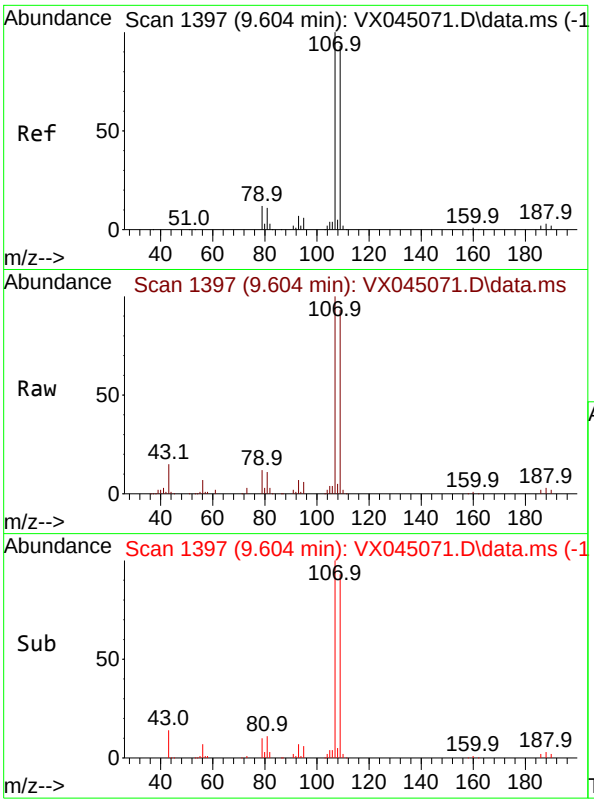


#60
Dibromochloromethane
Concen: 53.284 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:129 Resp: 71569

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5



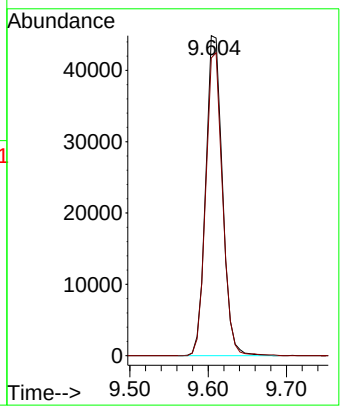


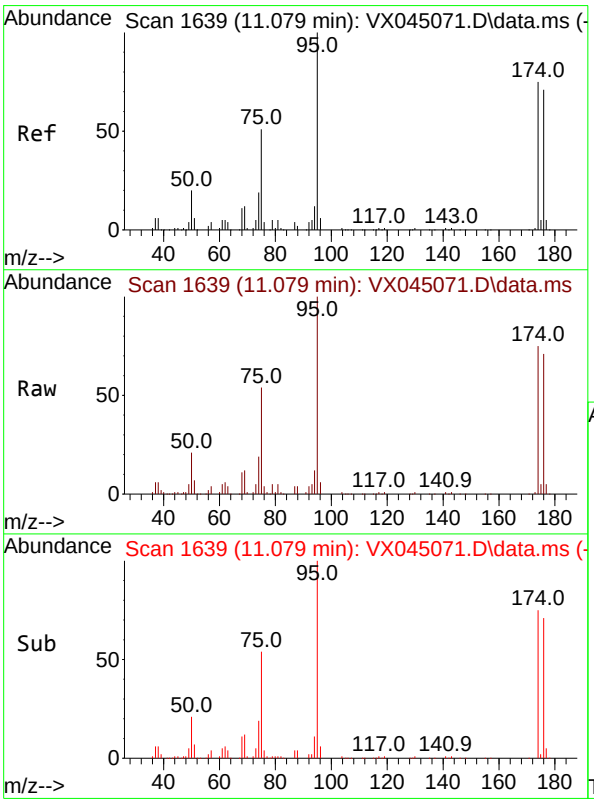
#61
1,2-Dibromoethane
Concen: 52.217 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 66312

Ion	Ratio	Lower	Upper
107	100		
109	95.1	76.1	114.1

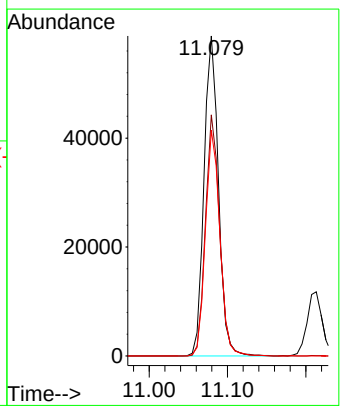


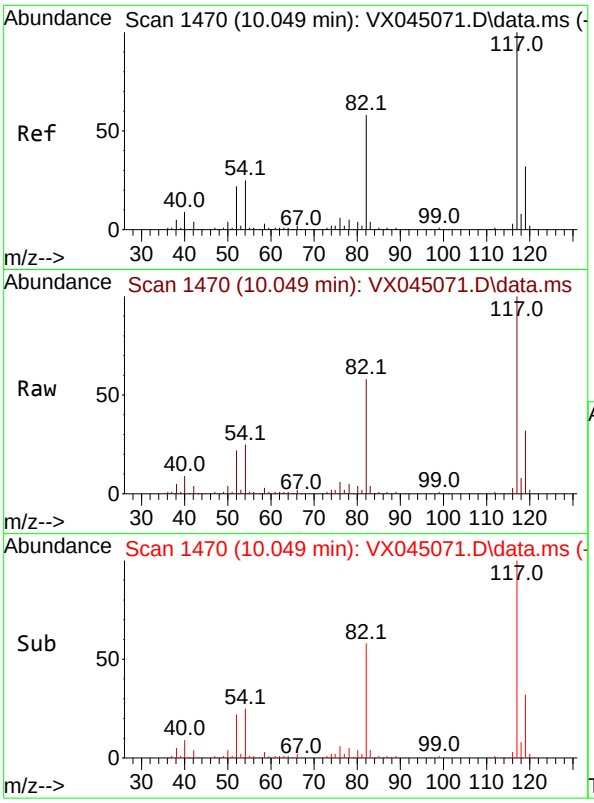


#62
4-Bromofluorobenzene
Concen: 49.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



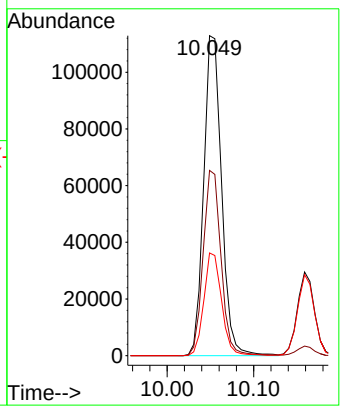


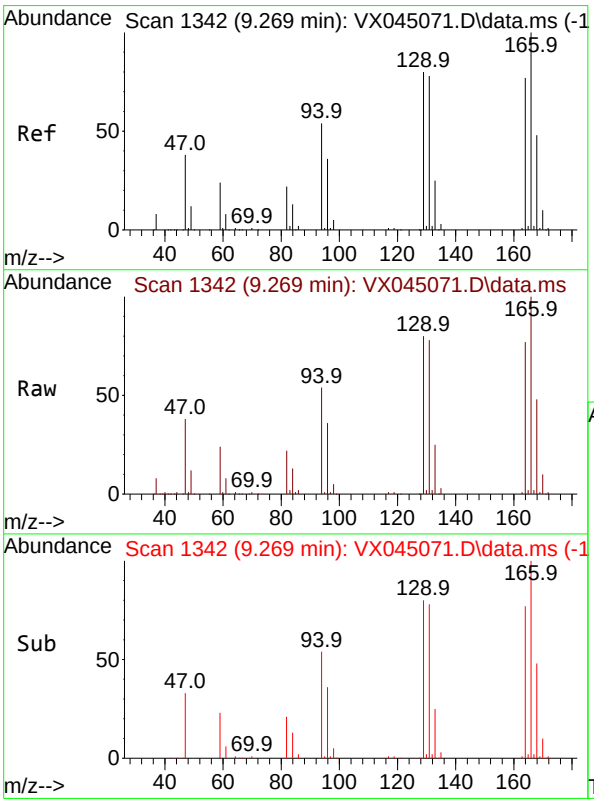
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

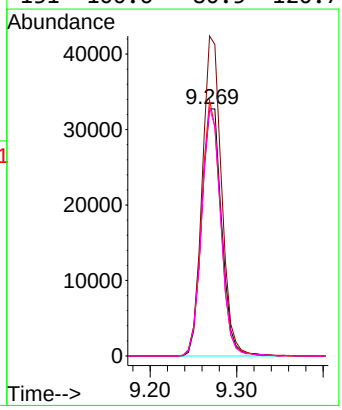


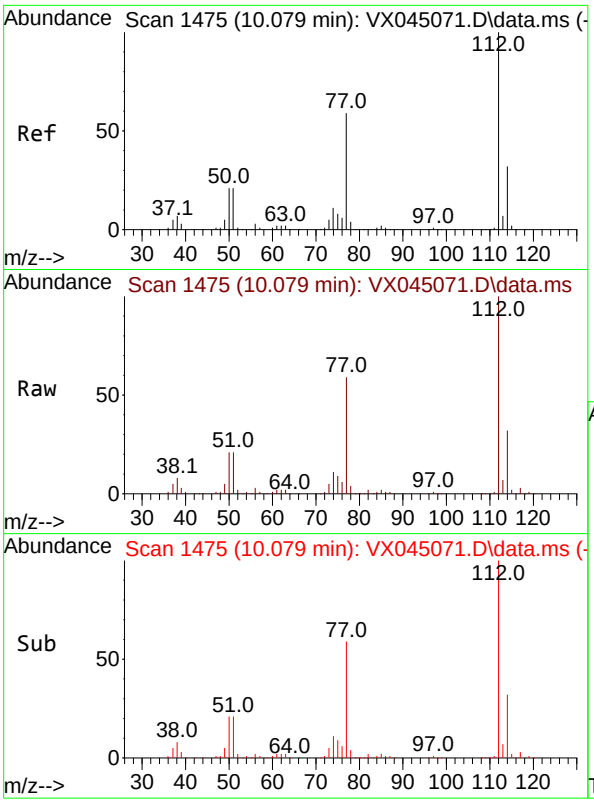


#64
Tetrachloroethene
Concen: 51.021 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



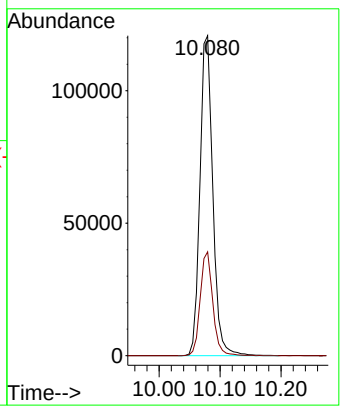


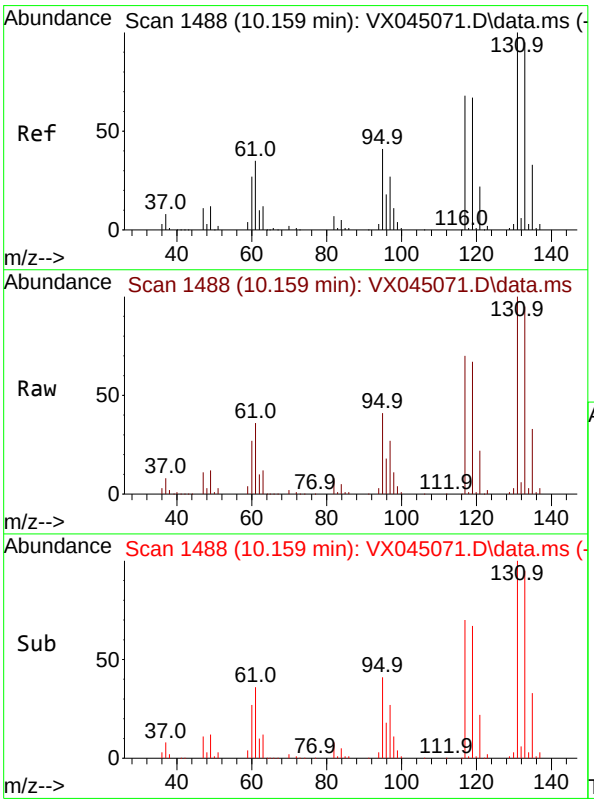
#65
Chlorobenzene
Concen: 50.853 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 176922

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

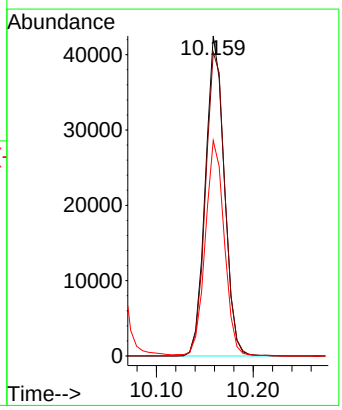


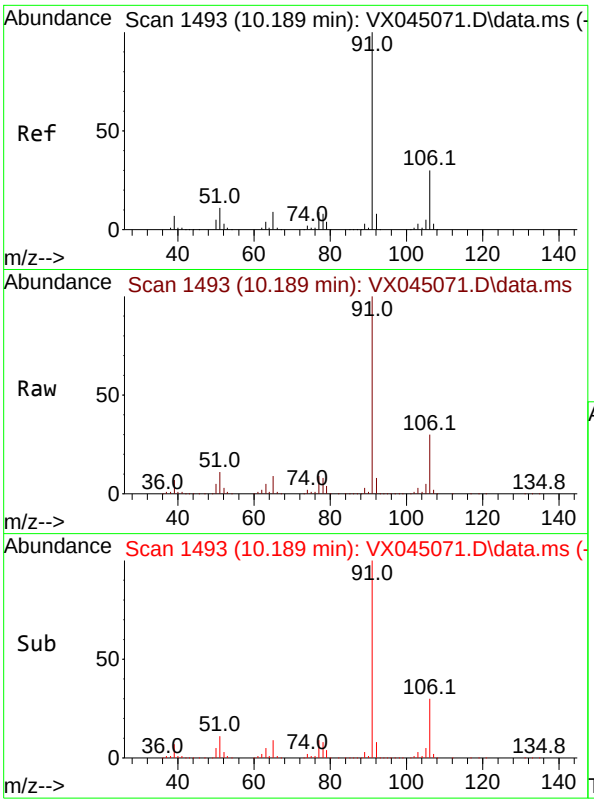


#66
1,1,1,2-Tetrachloroethane
Concen: 51.402 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



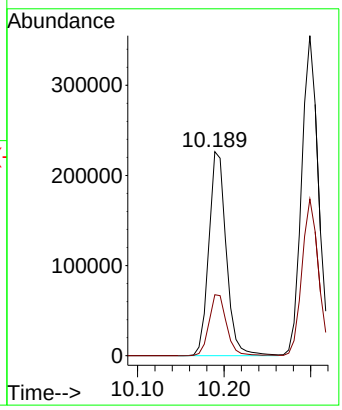


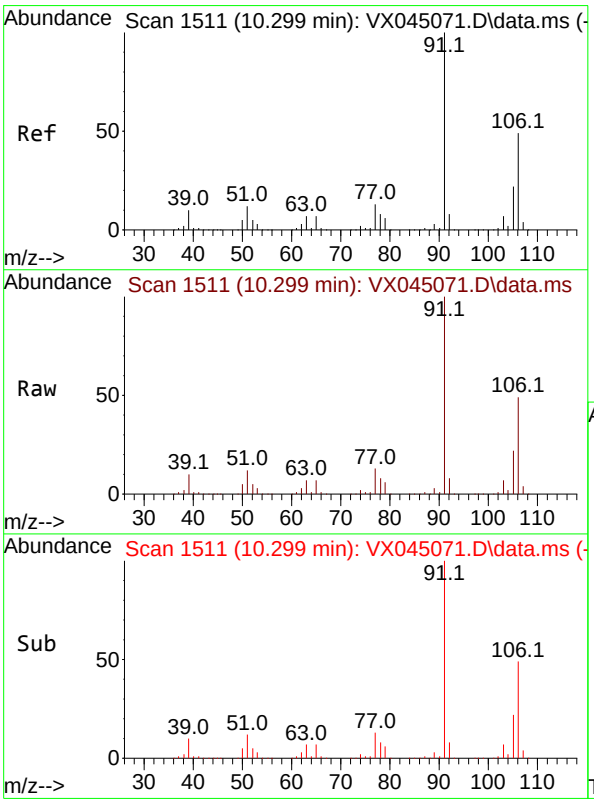
#67
Ethyl Benzene
Concen: 51.431 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 316427

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.9	35.9

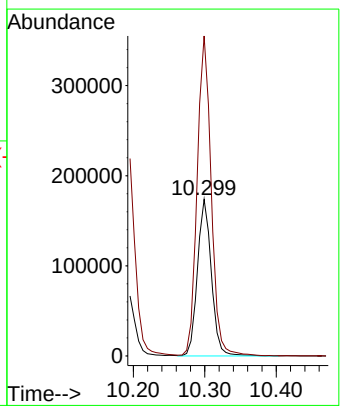


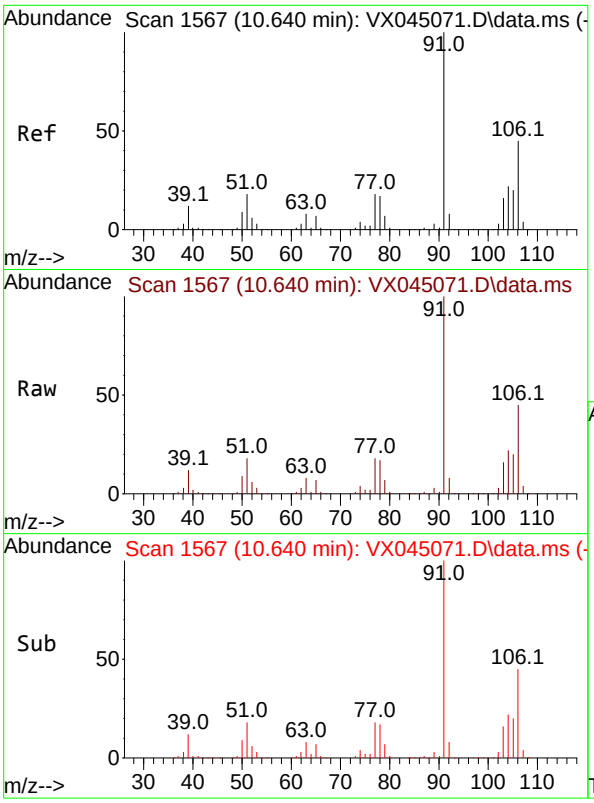


#68
m/p-Xylenes
Concen: 103.515 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:106 Resp: 234554

Ion	Ratio	Lower	Upper
106	100		
91	206.7	165.4	248.0



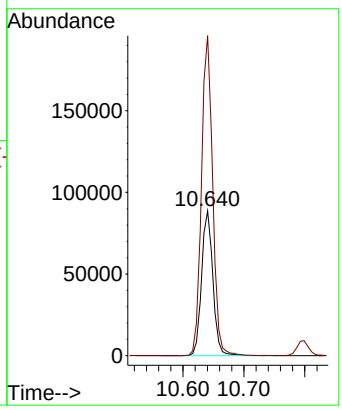


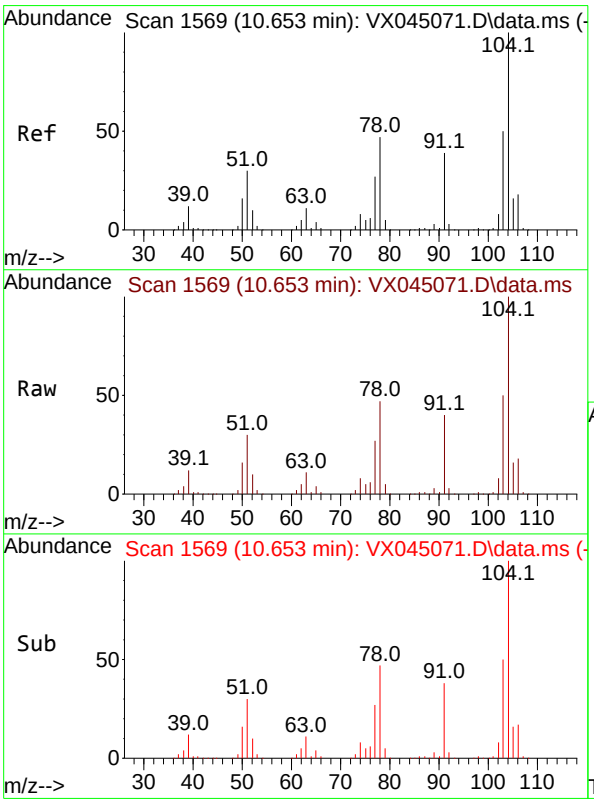
#69
o-Xylene
Concen: 50.341 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 114440

Ion	Ratio	Lower	Upper
106	100		
91	219.7	109.9	329.6

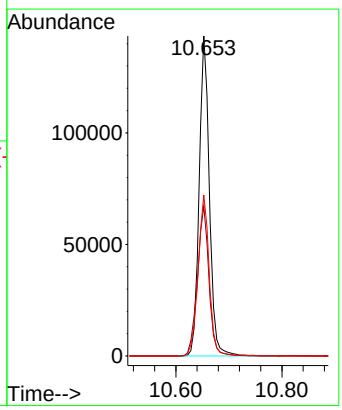


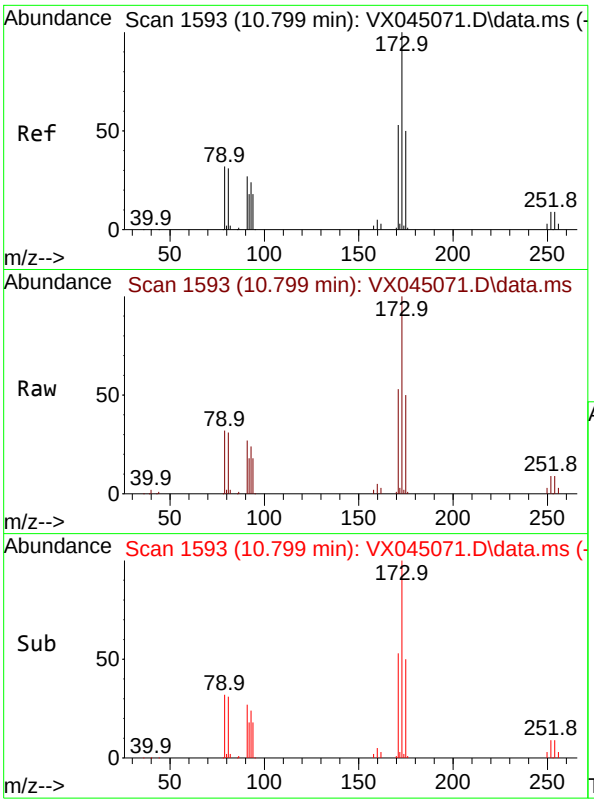


#70
Styrene
Concen: 52.387 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



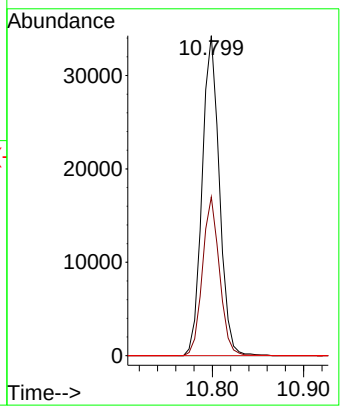


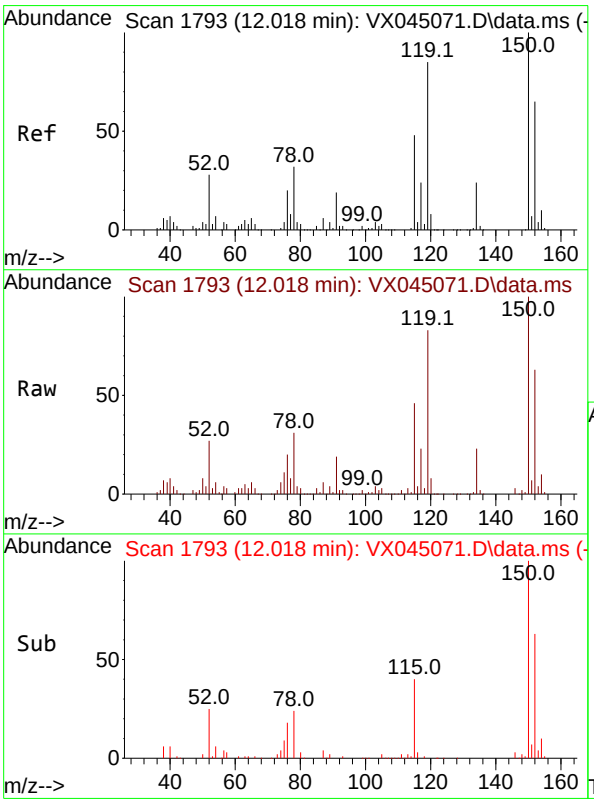
#71
Bromoform
Concen: 53.645 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

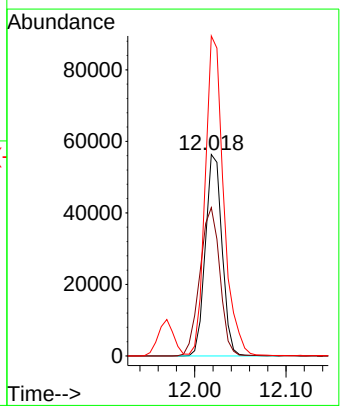


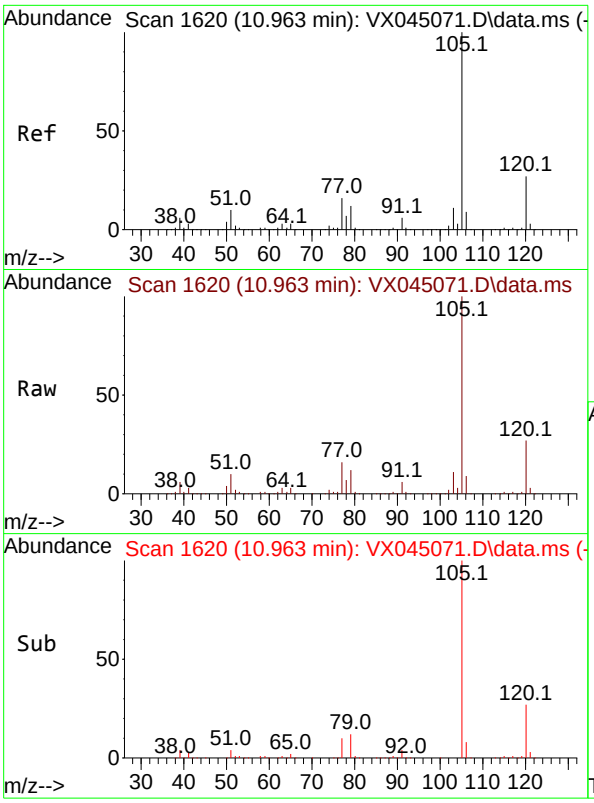


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



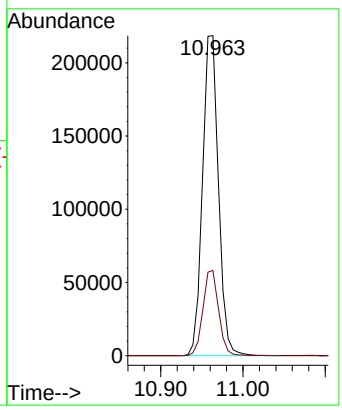


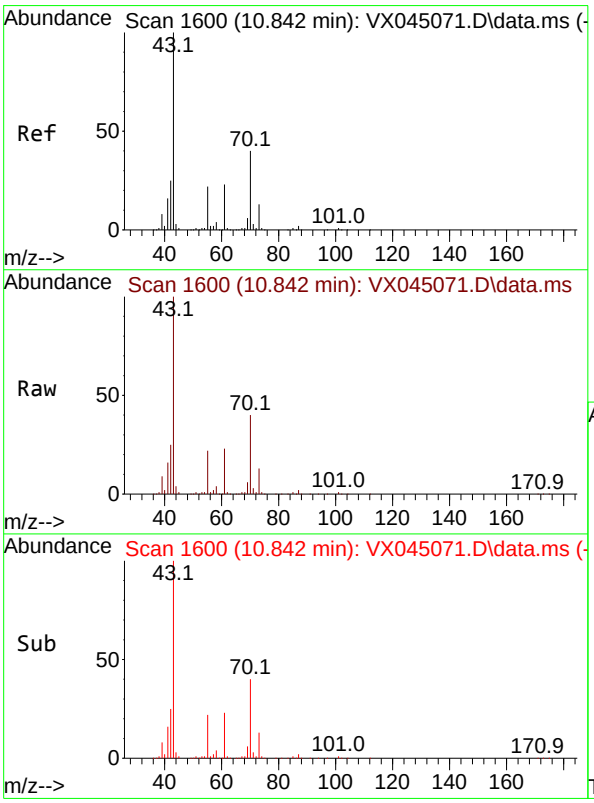
#73
Isopropylbenzene
Concen: 51.167 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 294694

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

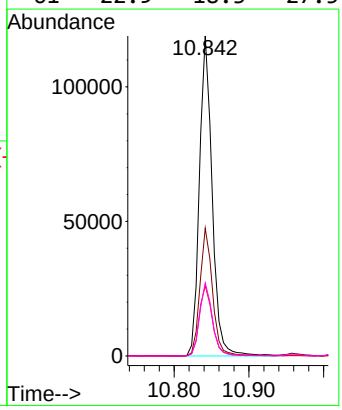


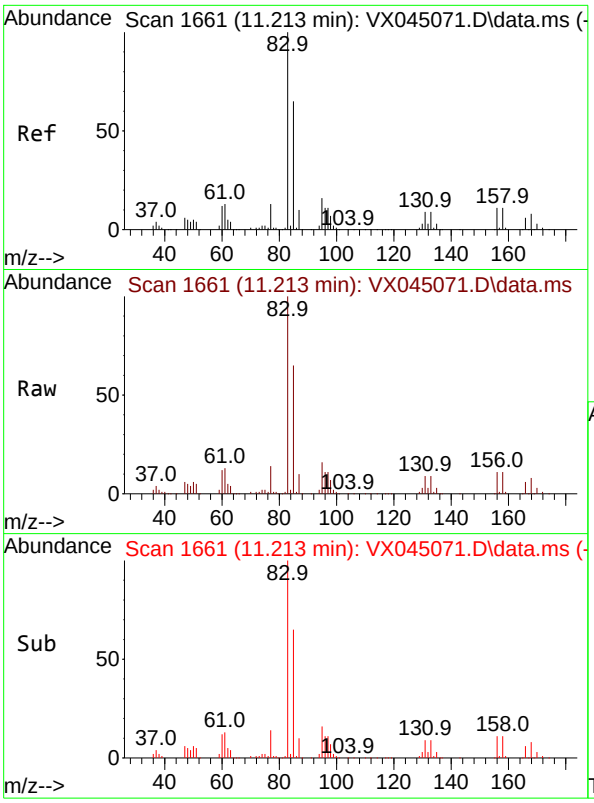


#74
N-amyl acetate
Concen: 53.881 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



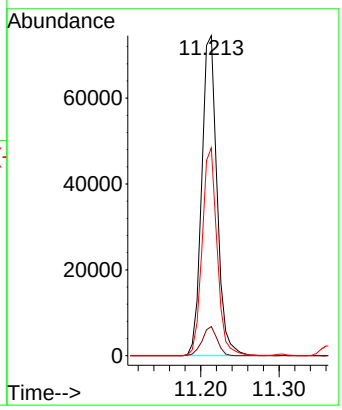


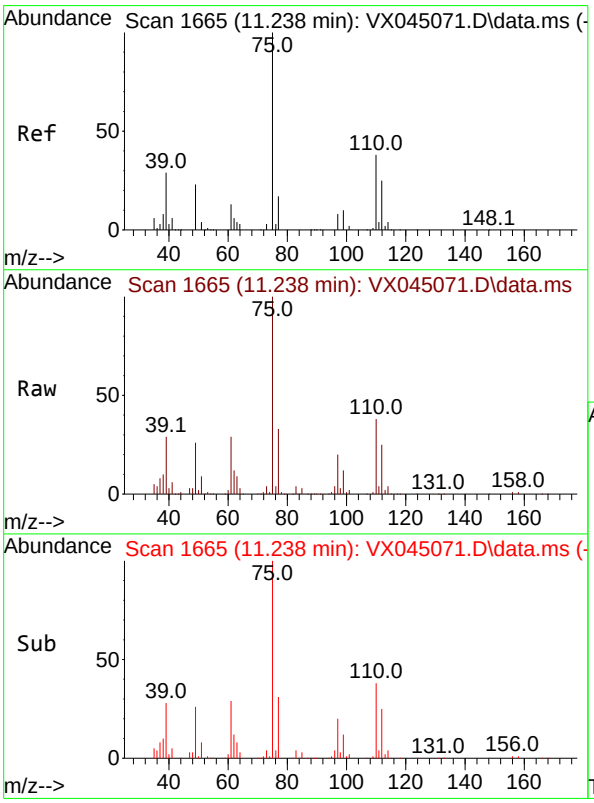
#75
1,1,2,2-Tetrachloroethane
Concen: 50.945 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

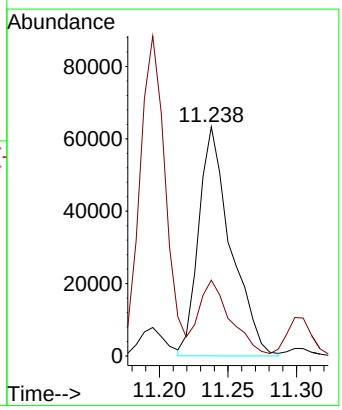


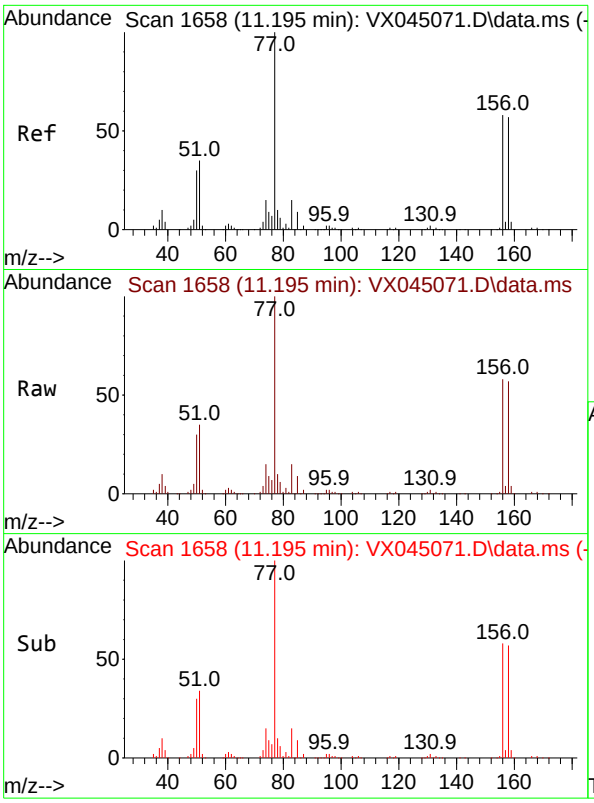


#76
1,2,3-Trichloropropane
Concen: 64.894 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 75 Resp: 103161

Ion	Ratio	Lower	Upper
75	100		
77	32.8	20.7	62.1



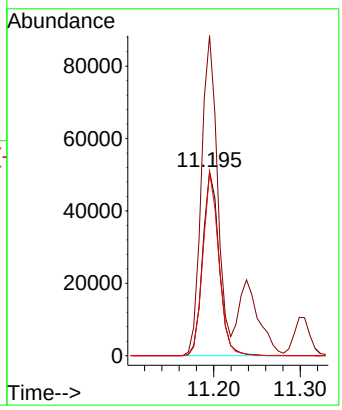


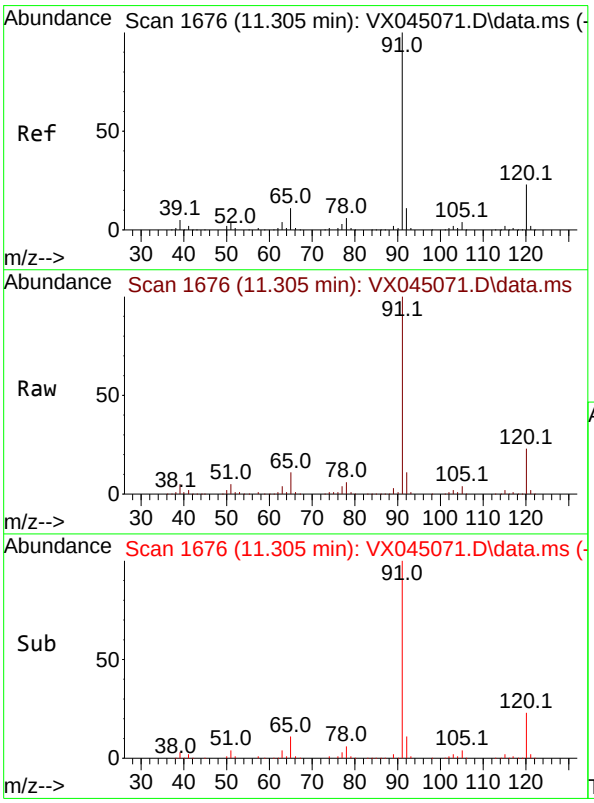
#77
Bromobenzene
Concen: 51.173 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

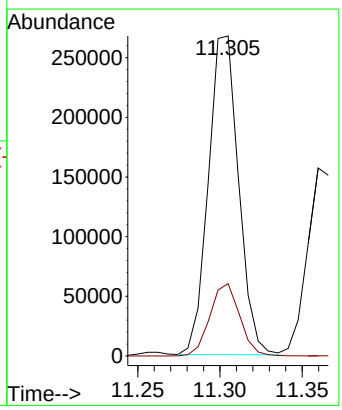


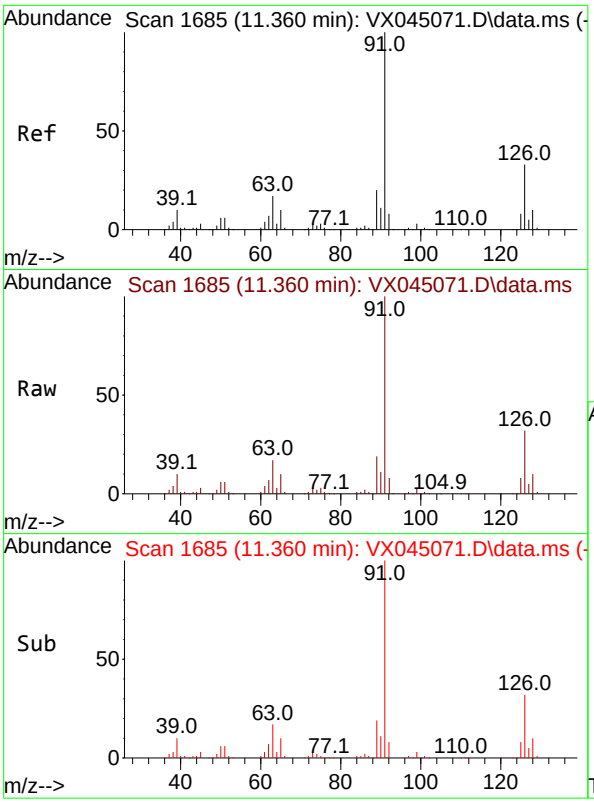


#78
n-propylbenzene
Concen: 51.546 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 342399

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.6



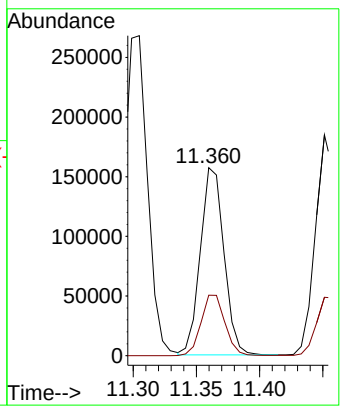


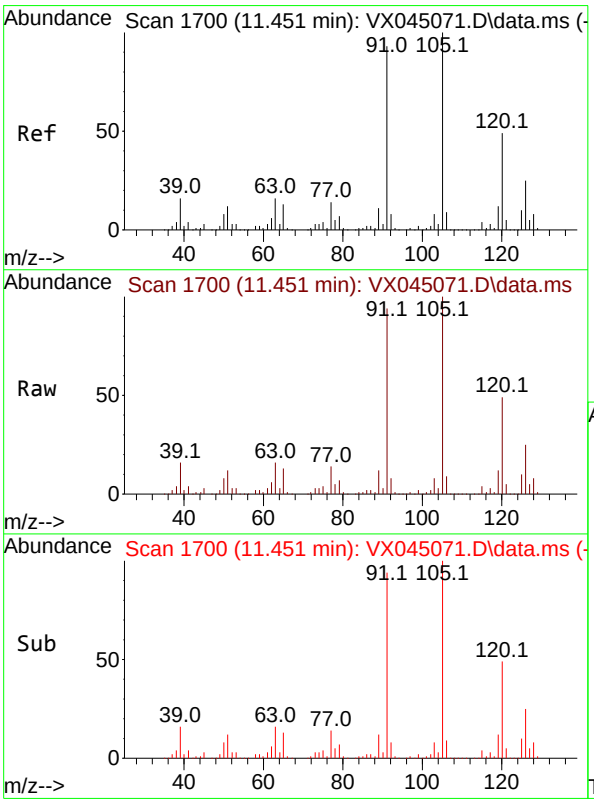
#79
2-Chlorotoluene
Concen: 50.154 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 204484

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

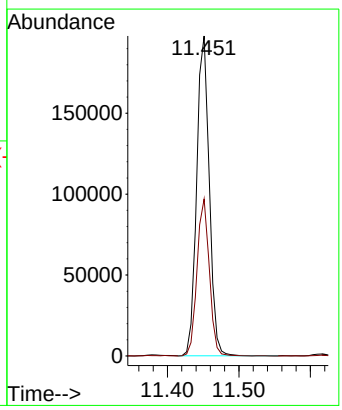


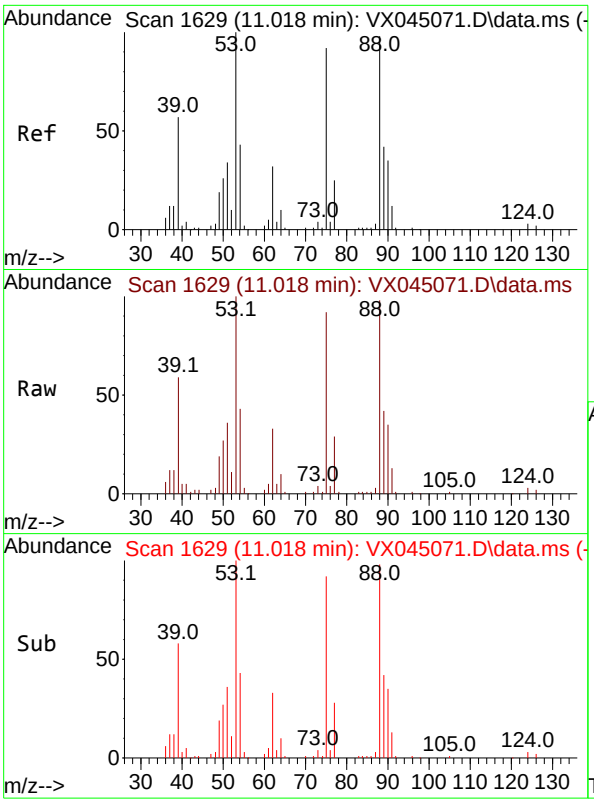


#80
1,3,5-Trimethylbenzene
Concen: 51.613 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 241129

Ion	Ratio	Lower	Upper
105	100		
120	48.1	24.1	72.2



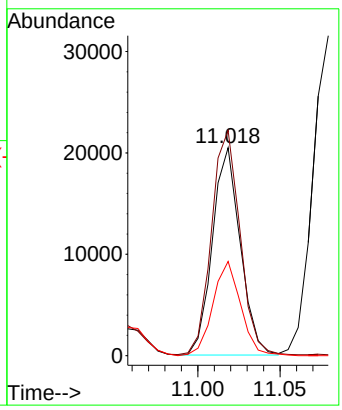


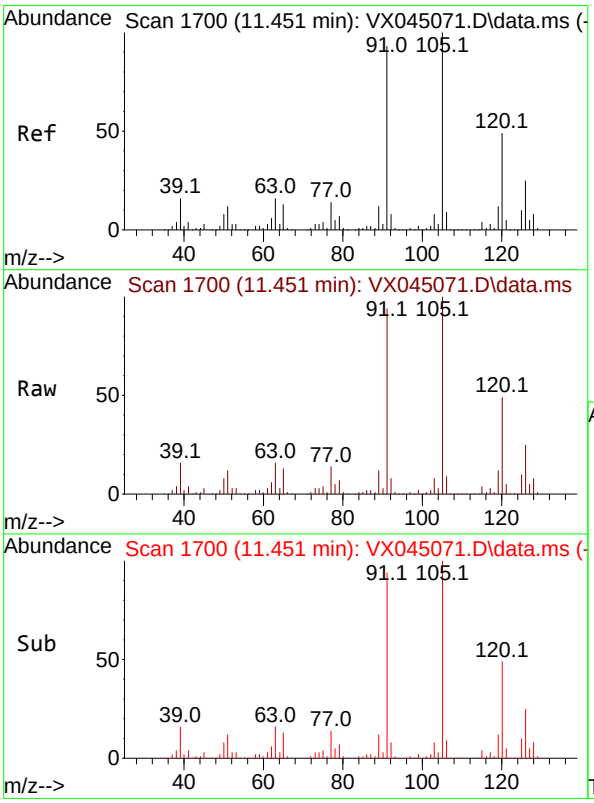
#81
trans-1,4-Dichloro-2-butene
Concen: 41.172 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

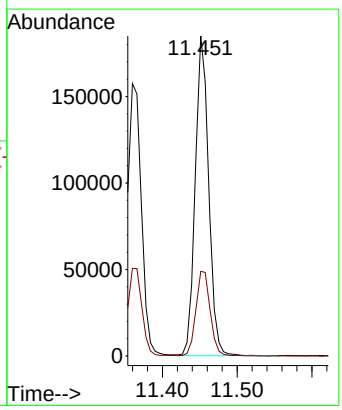


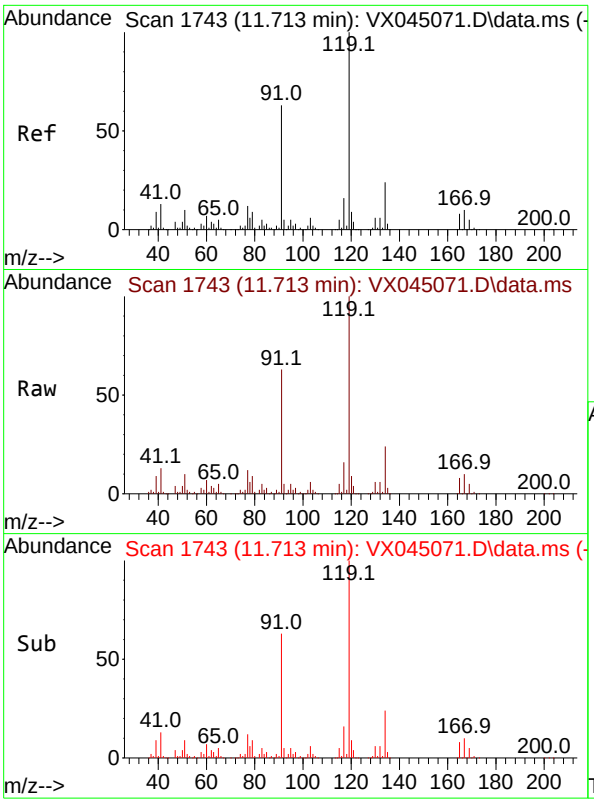


#82
4-Chlorotoluene
Concen: 51.072 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion: 91 Resp: 230493

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4



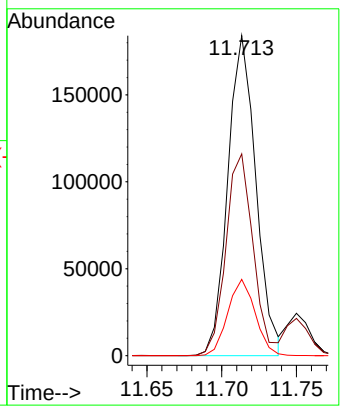


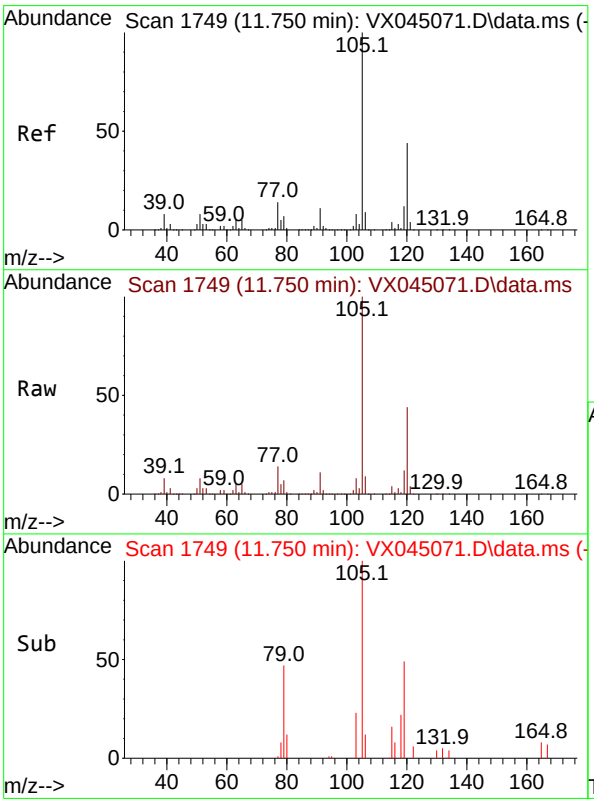
#83
tert-Butylbenzene
Concen: 50.895 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

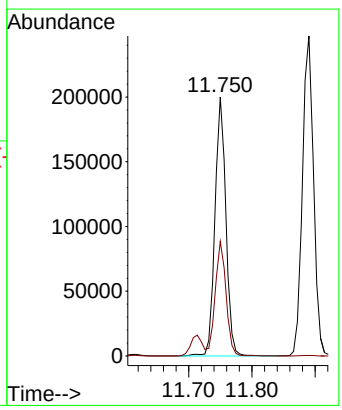


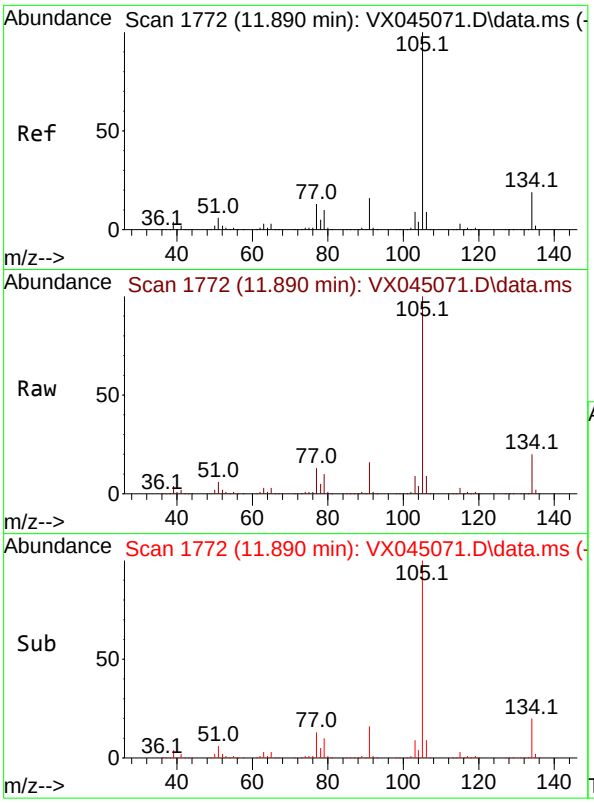


#84
1,2,4-Trimethylbenzene
Concen: 52.326 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:105 Resp: 240719

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.1



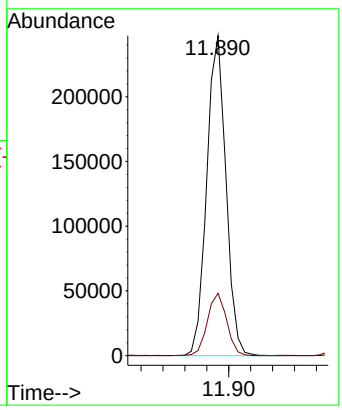


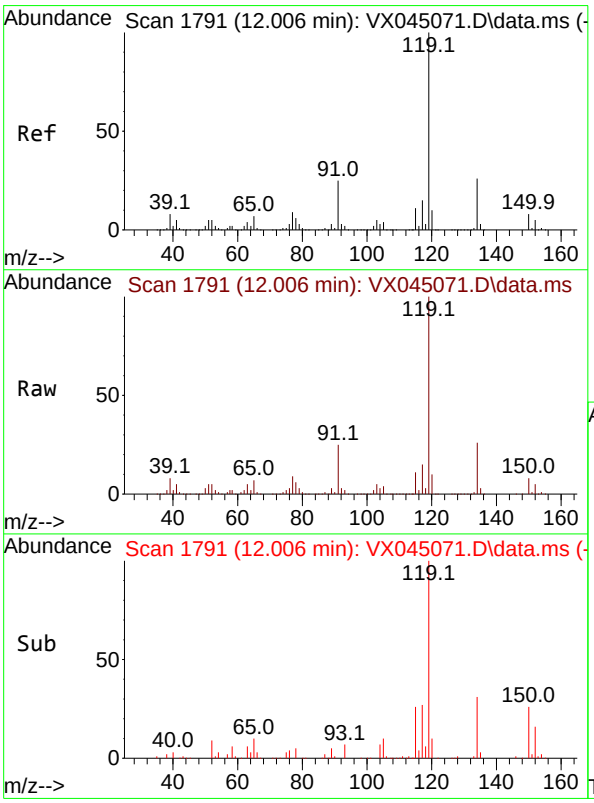
#85
sec-Butylbenzene
Concen: 51.353 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 300393

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

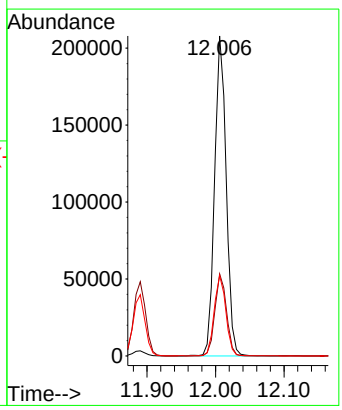


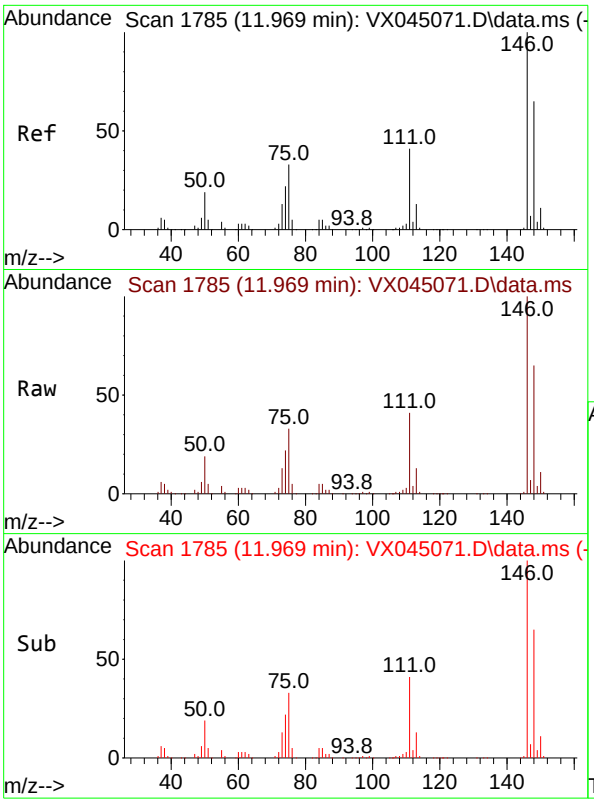


#86
p-Isopropyltoluene
Concen: 51.964 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



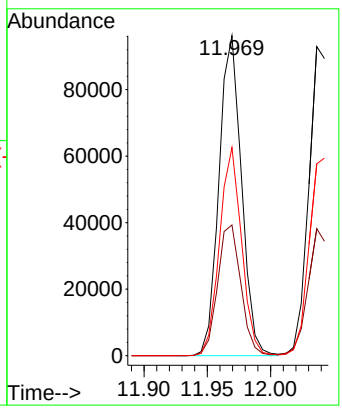


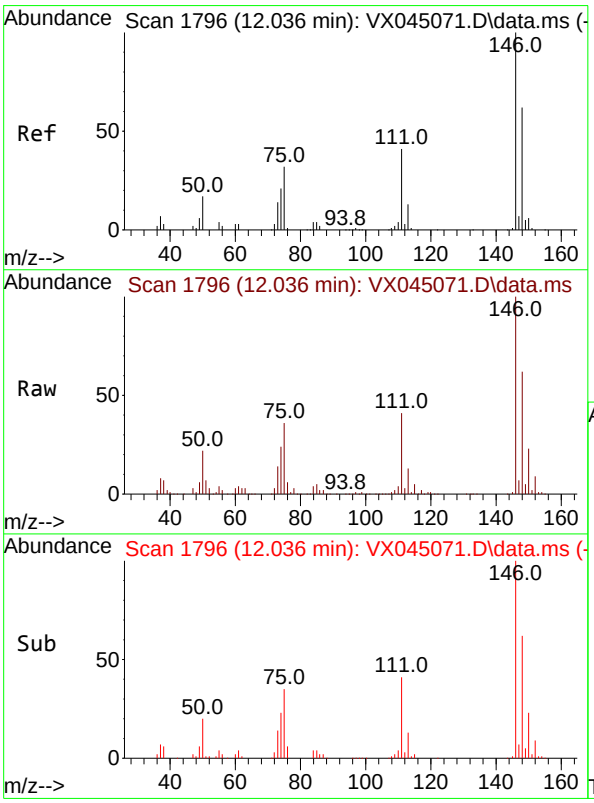
#87
1,3-Dichlorobenzene
Concen: 49.747 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

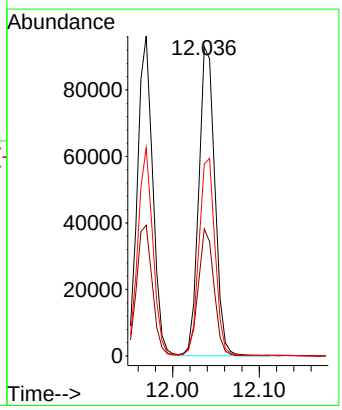


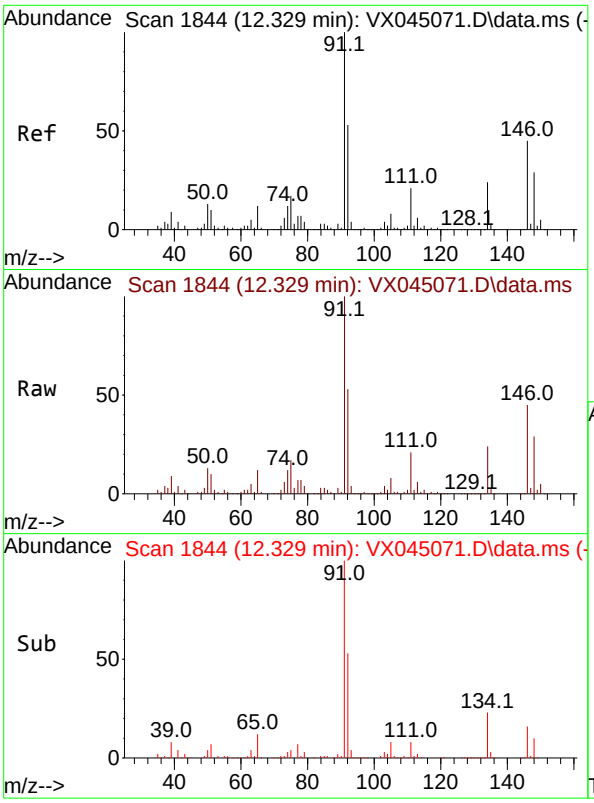


#88
1,4-Dichlorobenzene
Concen: 49.694 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



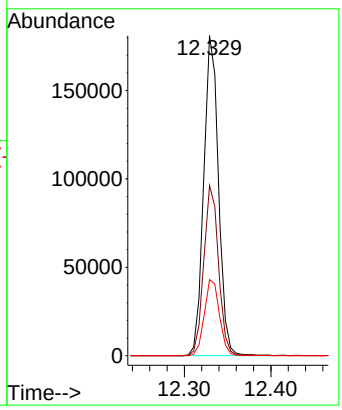


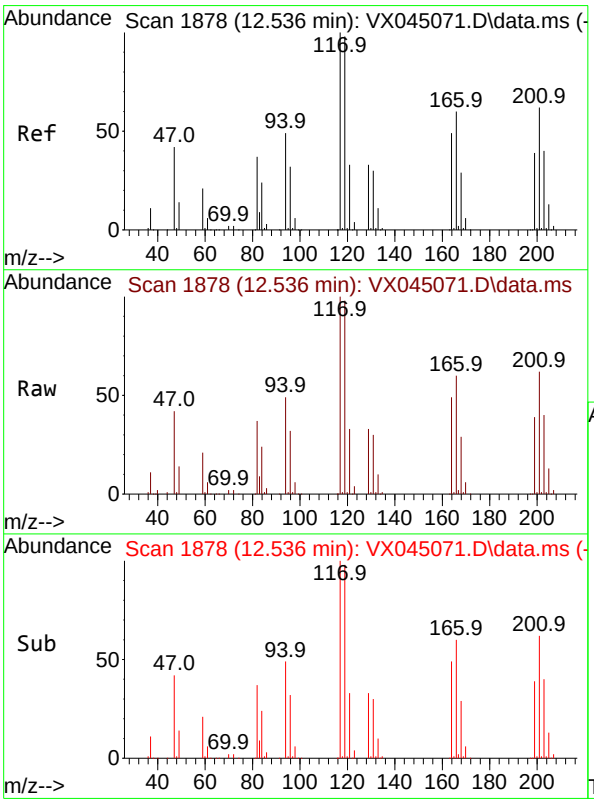
#89
n-Butylbenzene
Concen: 52.006 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

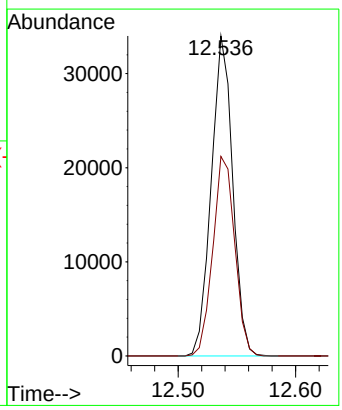


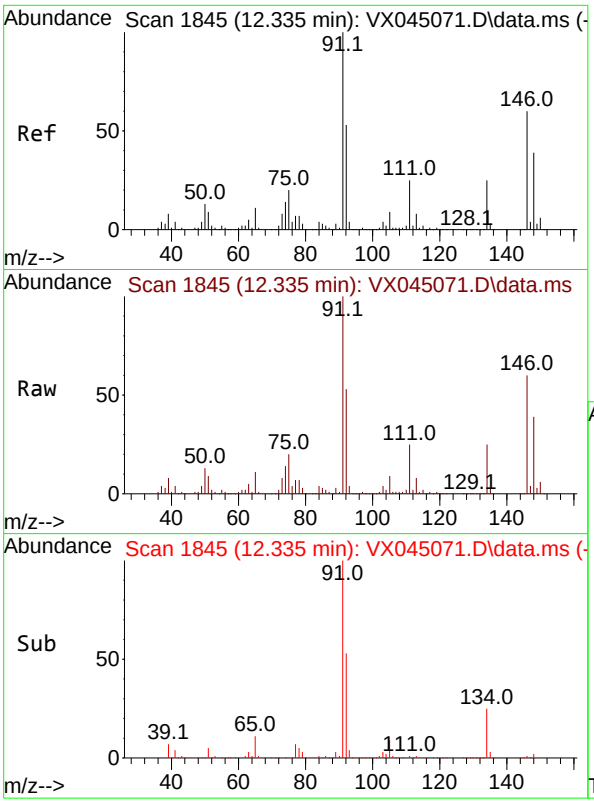


#90
Hexachloroethane
Concen: 49.188 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

Tgt Ion:117 Resp: 43086

Ion	Ratio	Lower	Upper
117	100		
201	63.9	31.9	95.9



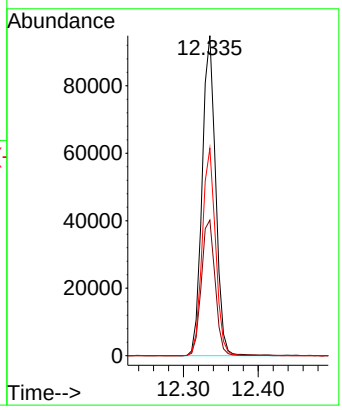


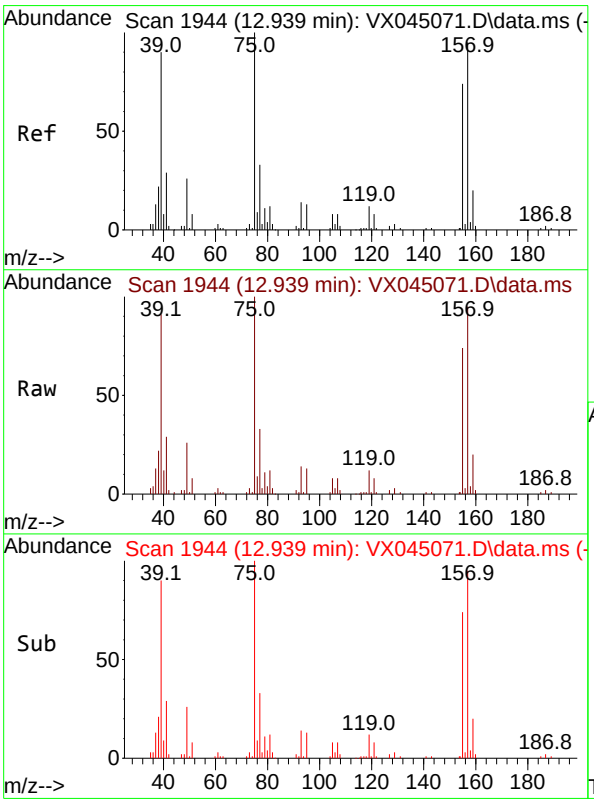
#91
1,2-Dichlorobenzene
Concen: 50.557 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

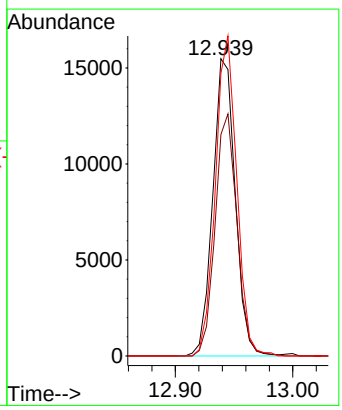


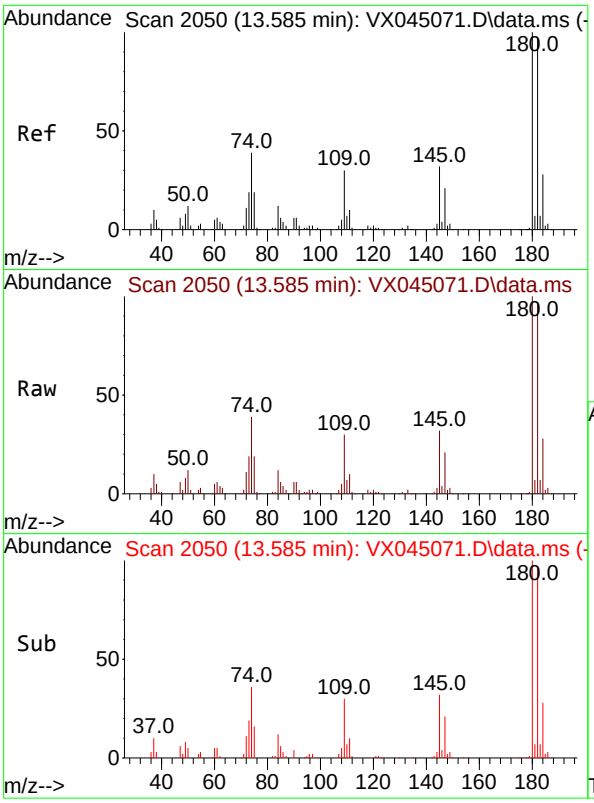


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.123 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



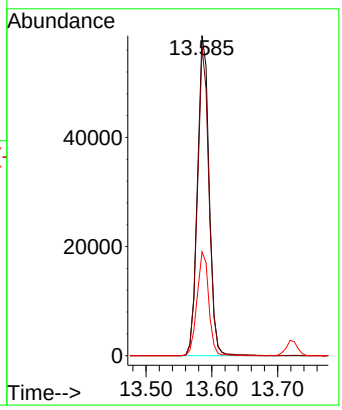


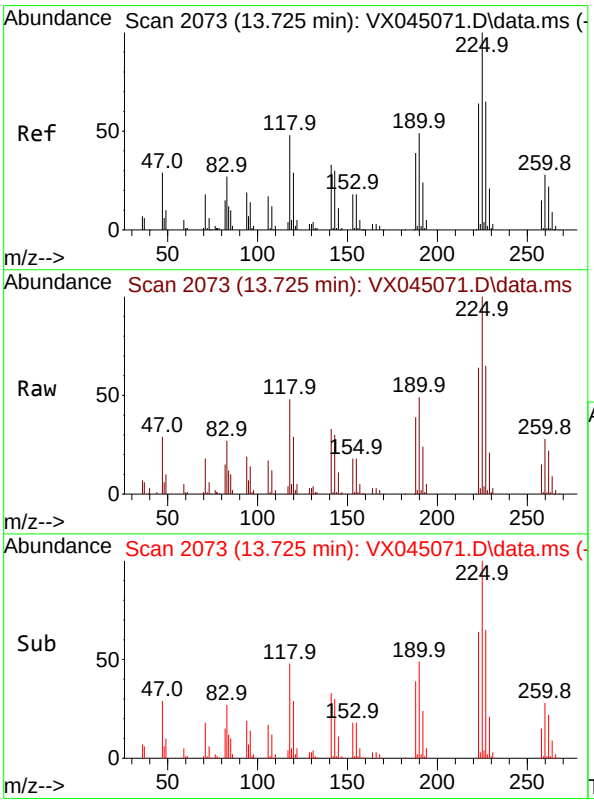
#93
1,2,4-Trichlorobenzene
Concen: 50.571 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

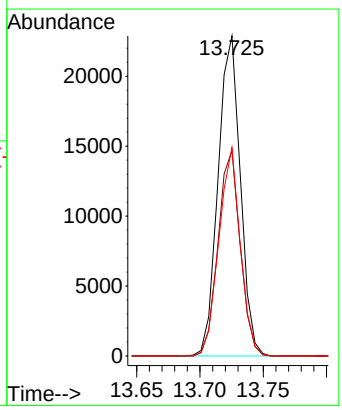


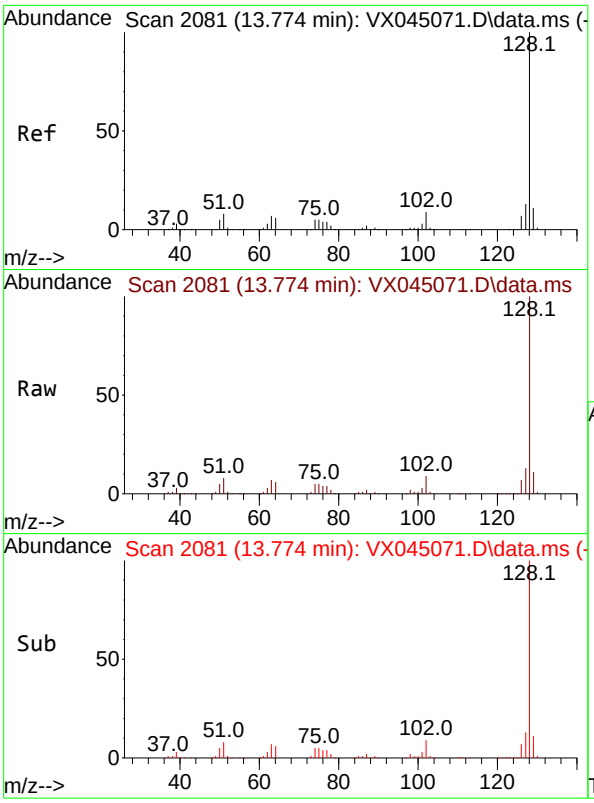


#94
Hexachlorobutadiene
Concen: 49.245 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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



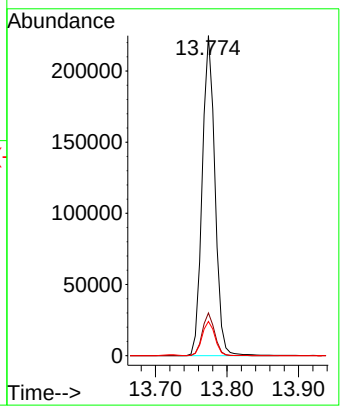


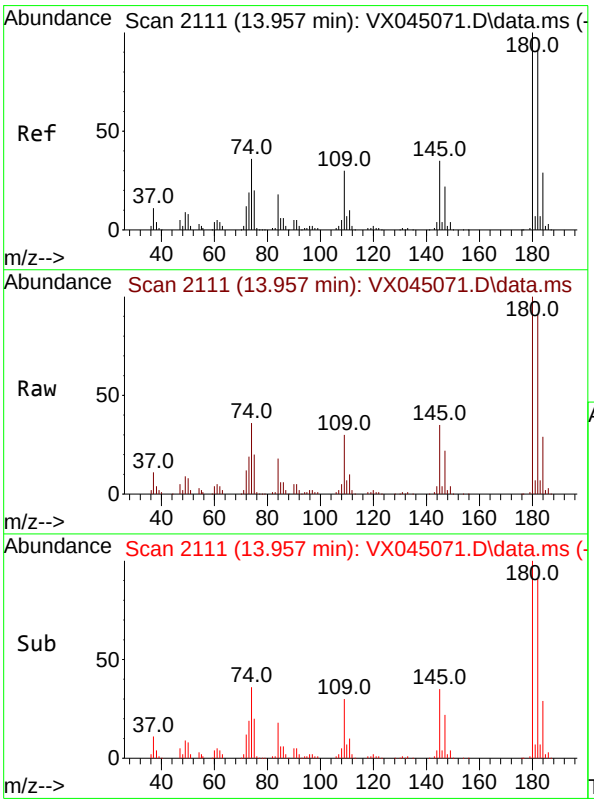
#95
Naphthalene
Concen: 53.700 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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

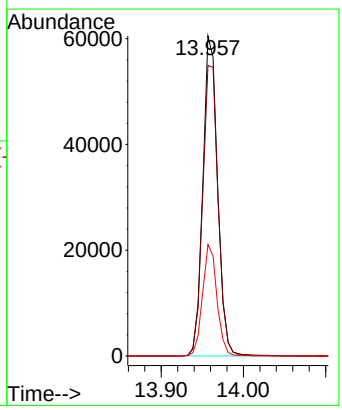




#96
1,2,3-Trichlorobenzene
Concen: 52.406 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045071.D
Acq: 28 Feb 2025 03:00

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)

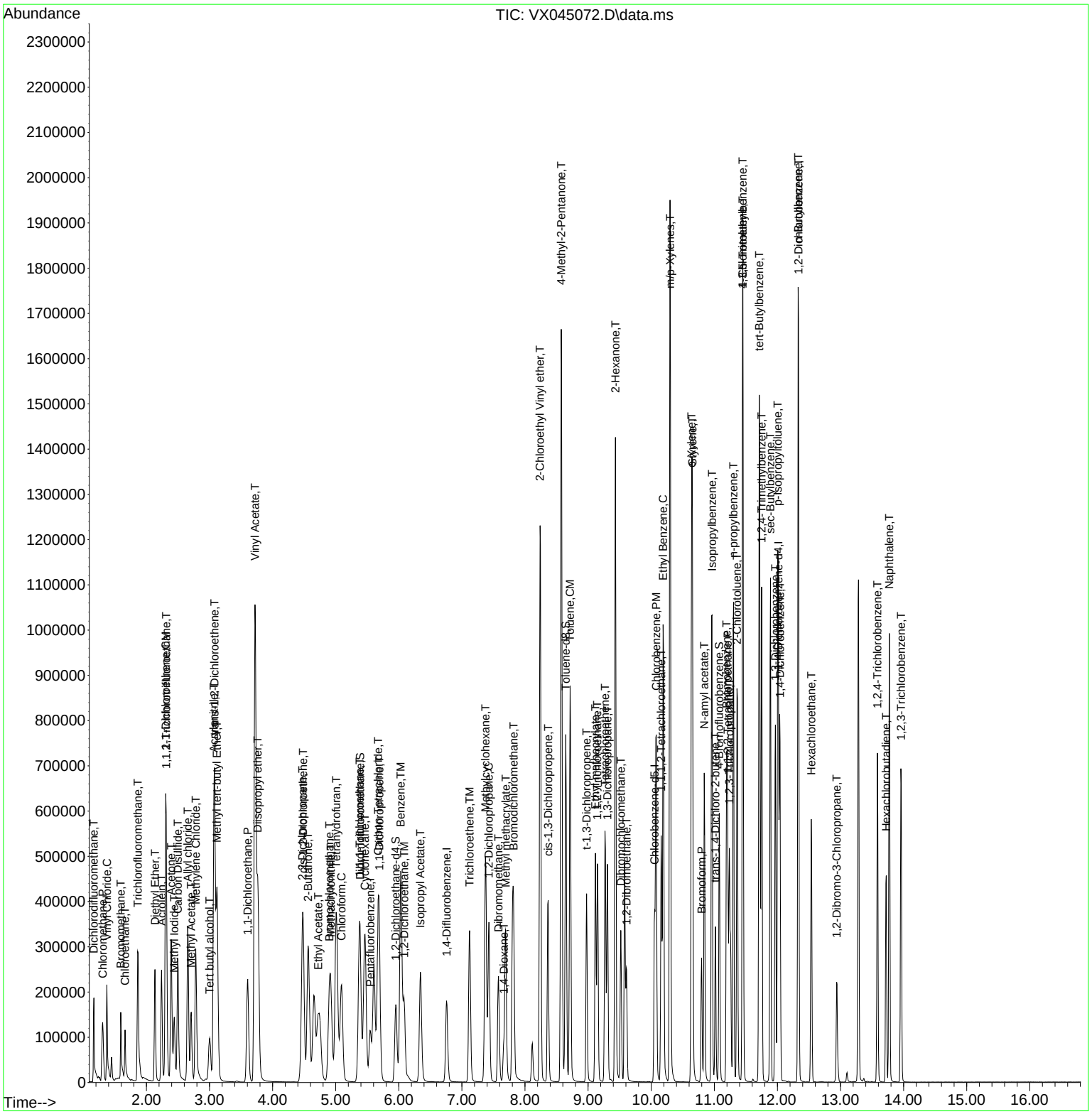
(#) = qualifier out of range (m) = manual integration (+) = signals summed

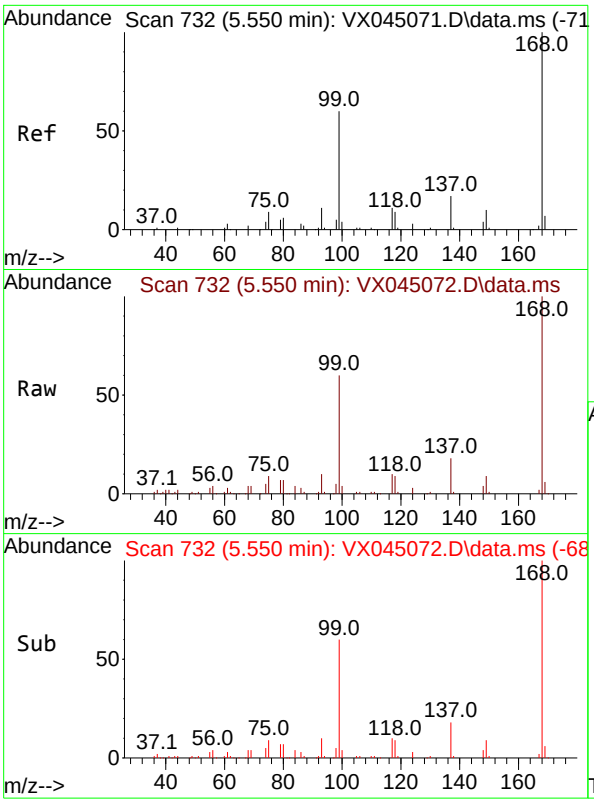
Quantitation Report (Not Reviewed)

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



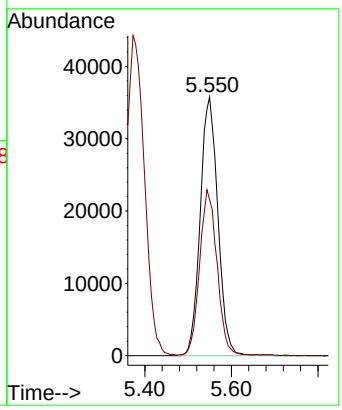


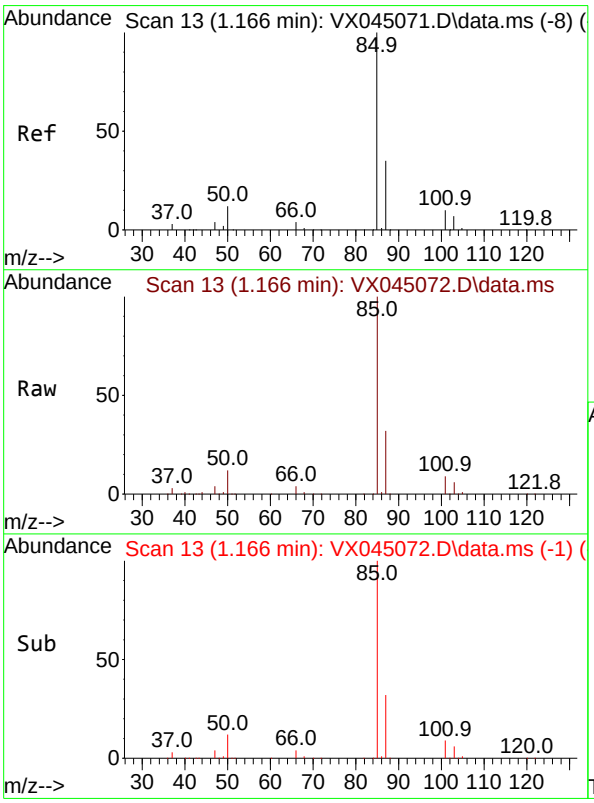
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 101178

Ion	Ratio	Lower	Upper
168	100		
99	60.2	48.2	72.4

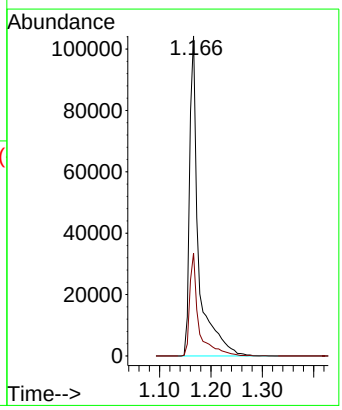


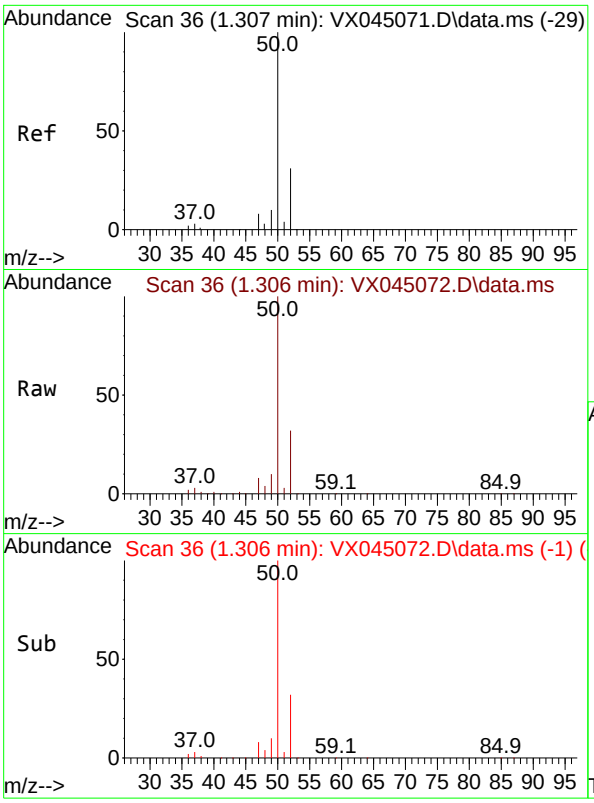


#2
Dichlorodifluoromethane
Concen: 90.869 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 85 Resp: 126718

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.4	52.3



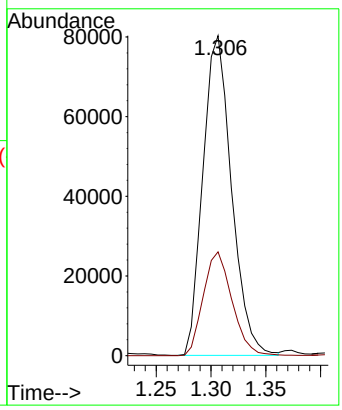


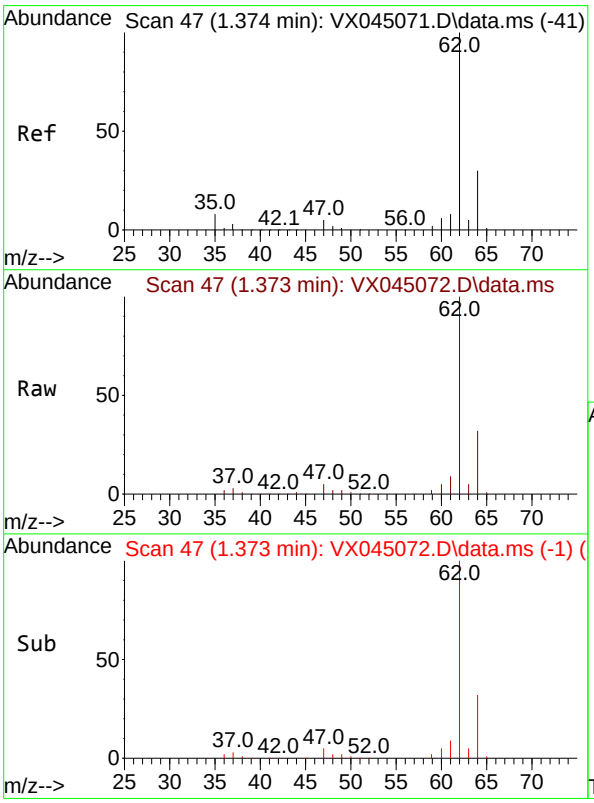
#3
Chloromethane
Concen: 85.936 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 145825

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.0	37.4

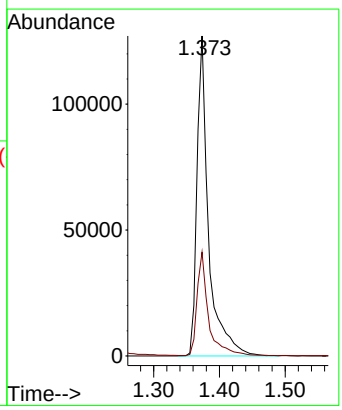


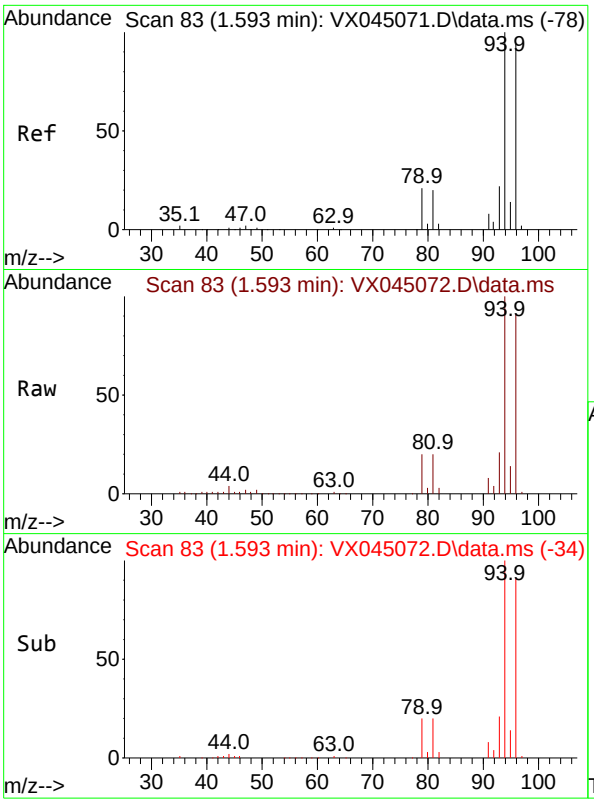


#4
Vinyl Chloride
Concen: 93.360 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 154734

Ion	Ratio	Lower	Upper
62	100		
64	32.4	24.3	36.5



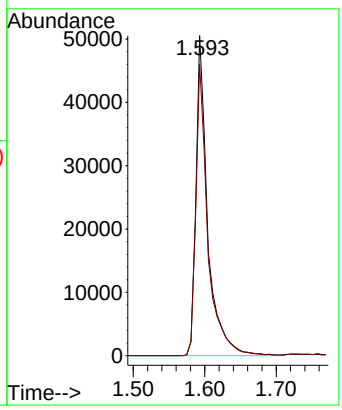


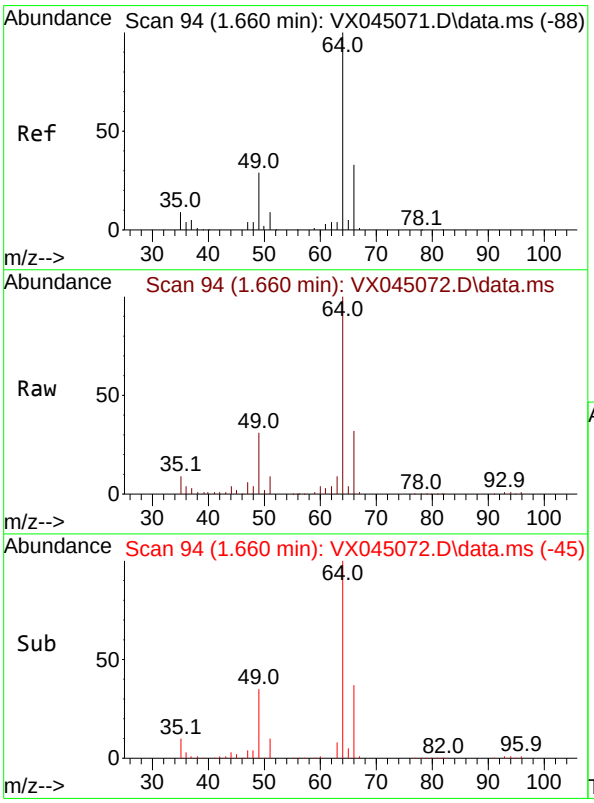
#5
Bromomethane
Concen: 110.980 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 57503

Ion	Ratio	Lower	Upper
94	100		
96	91.2	75.0	112.4

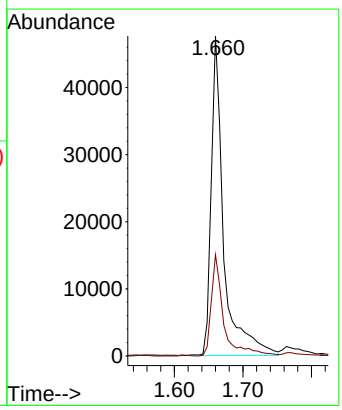


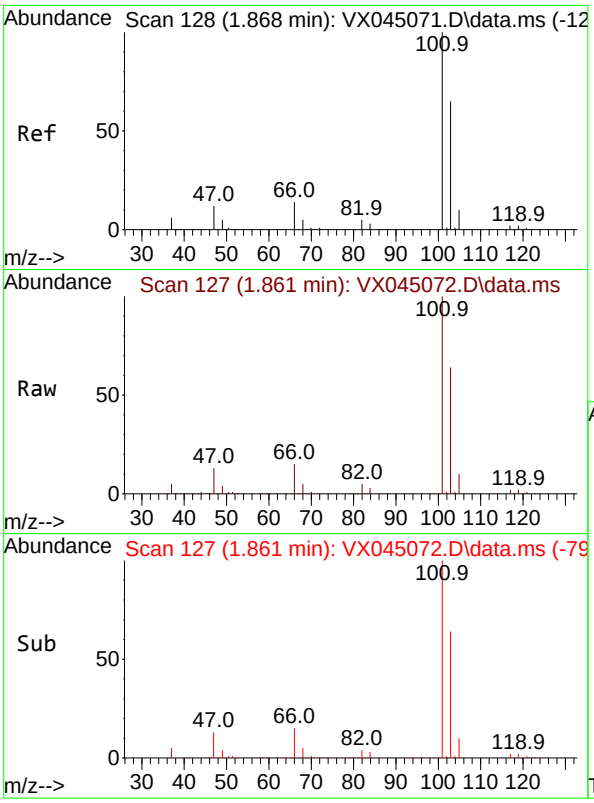


#6
Chloroethane
Concen: 95.351 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 64 Resp: 60155

Ion	Ratio	Lower	Upper
64	100		
66	31.7	26.7	40.1



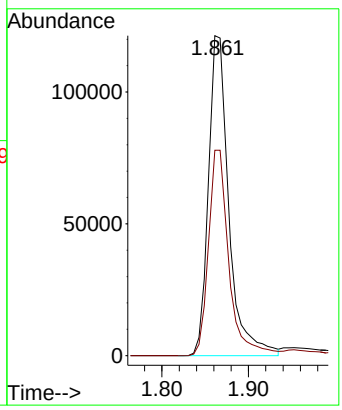


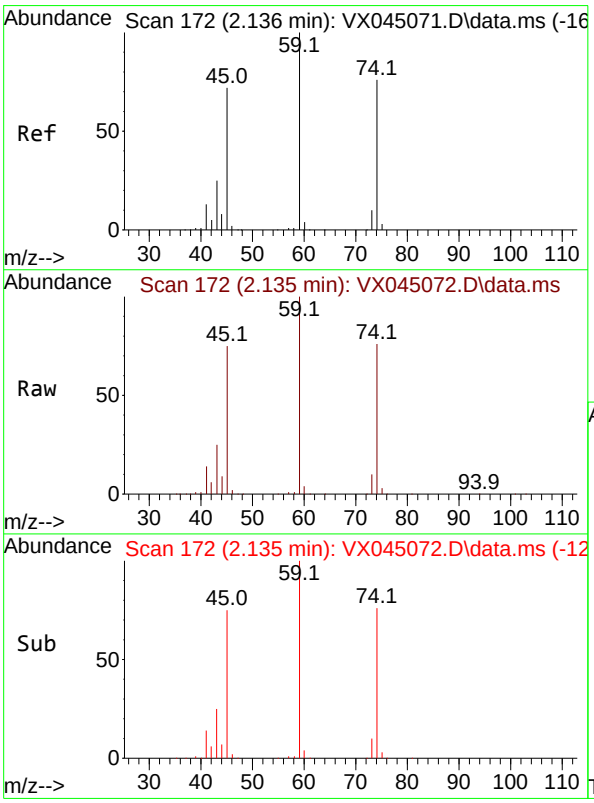
#7
Trichlorofluoromethane
Concen: 93.594 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 198701

Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1

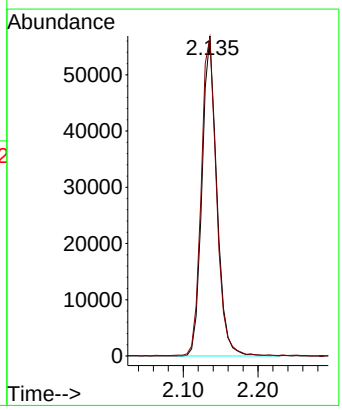


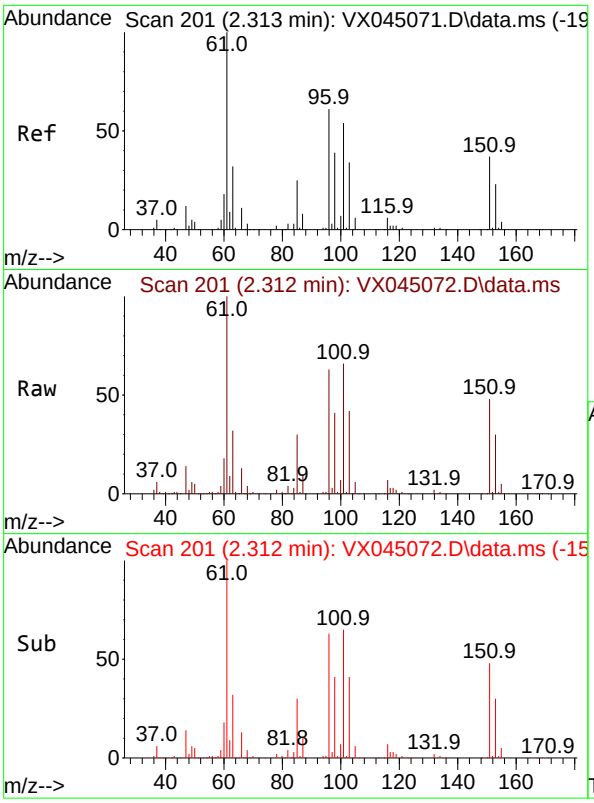


#8
Diethyl Ether
Concen: 101.441 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 74 Resp: 78263

Ion	Ratio	Lower	Upper
74	100		
45	102.7	51.5	154.5



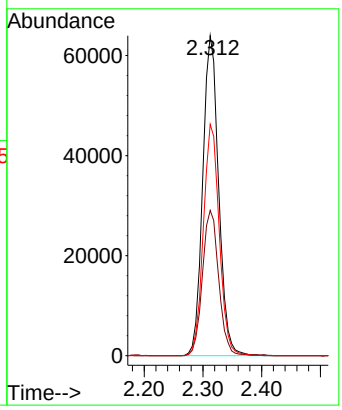


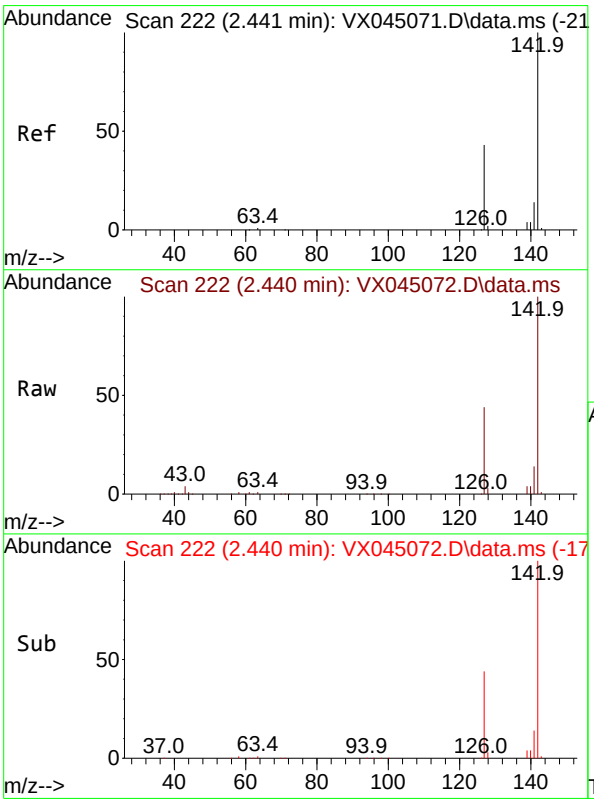
#9
1,1,2-Trichlorotrifluoroethane
Concen: 95.064 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

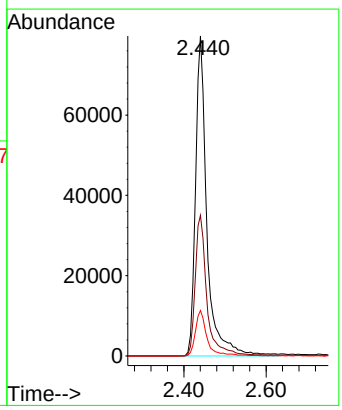


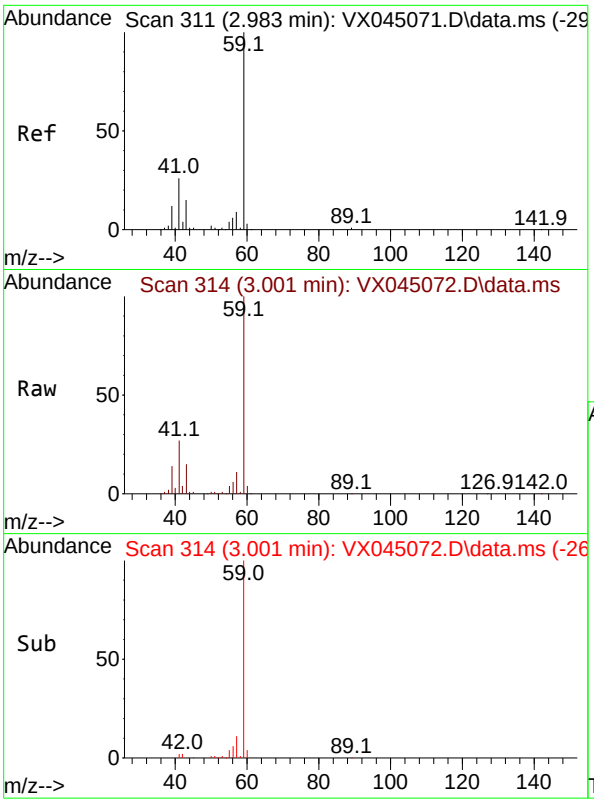


#10
Methyl Iodide
Concen: 94.425 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



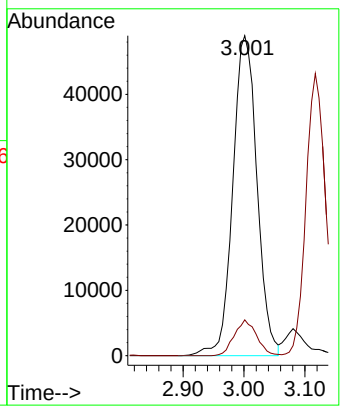


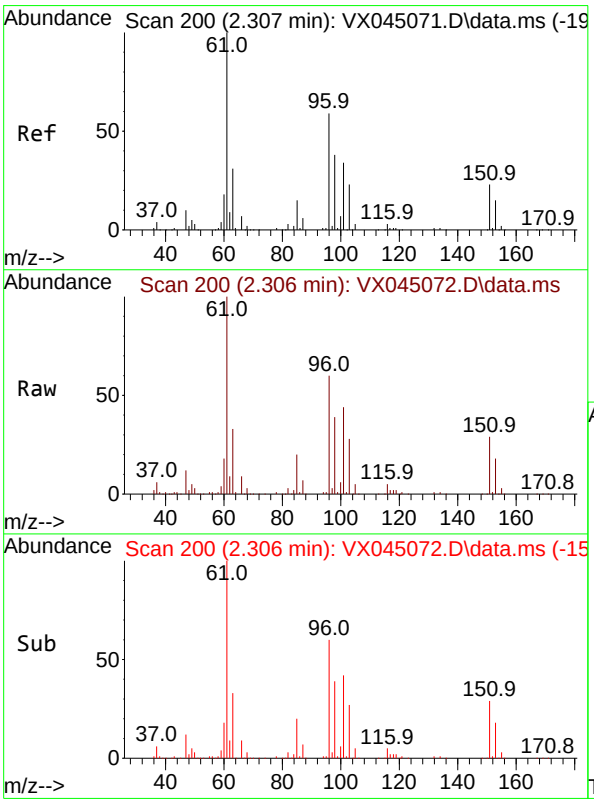
#11
Tert butyl alcohol
Concen: 493.141 ug/l
RT: 3.001 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 135016

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

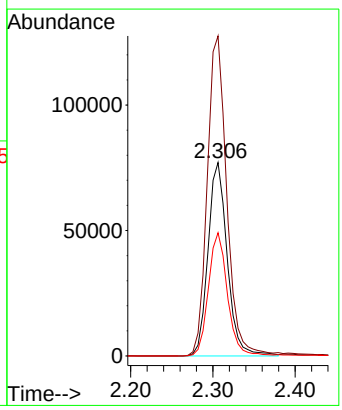


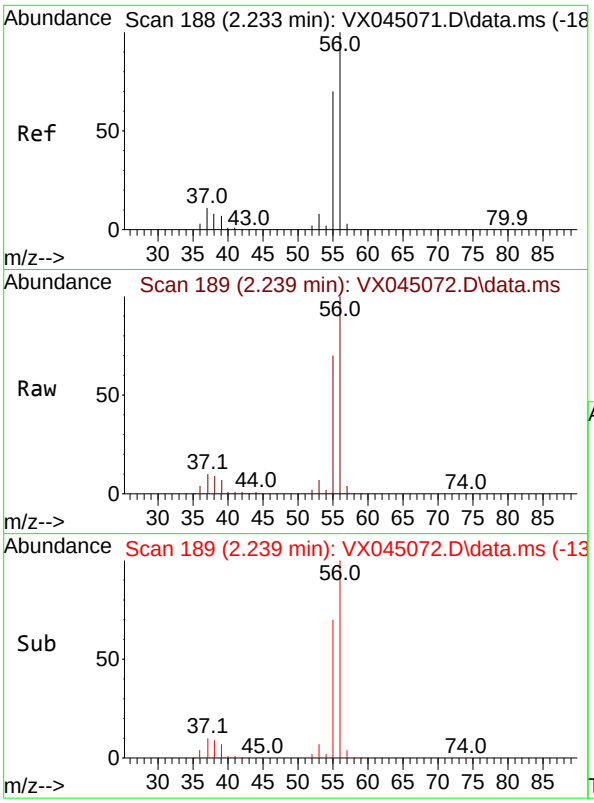


#12
1,1-Dichloroethene
Concen: 96.366 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



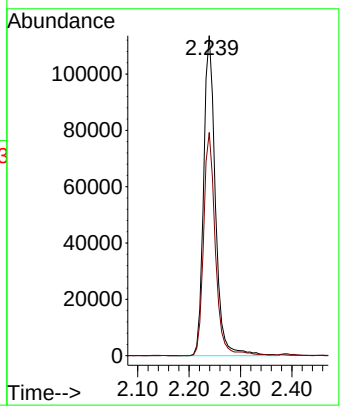


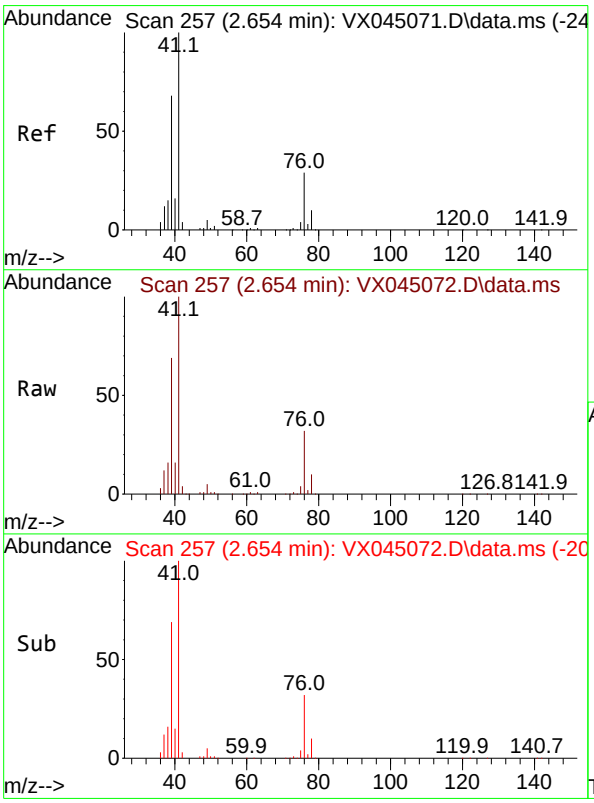
#13
Acrolein
Concen: 608.485 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 180411

Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.2	84.4

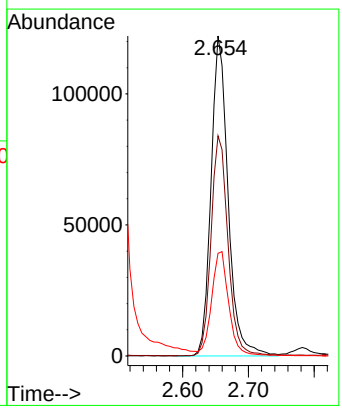


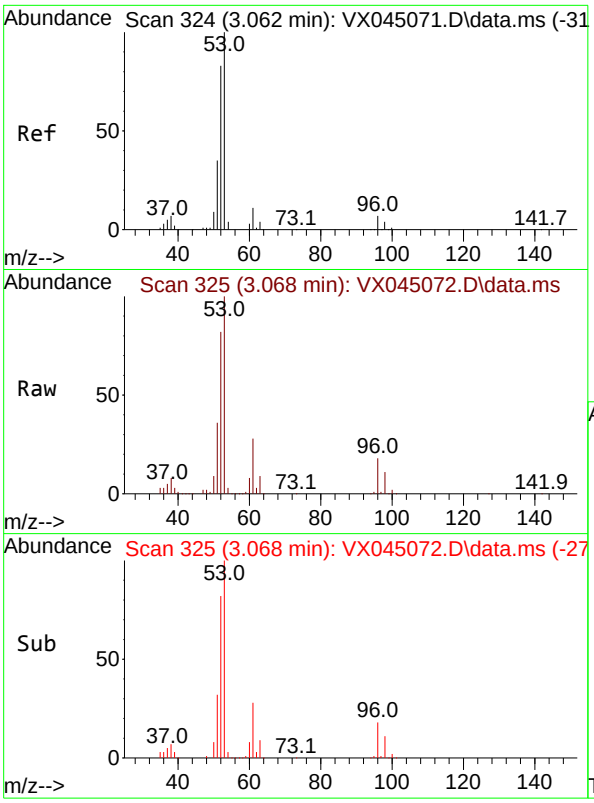


#14
Allyl chloride
Concen: 94.344 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



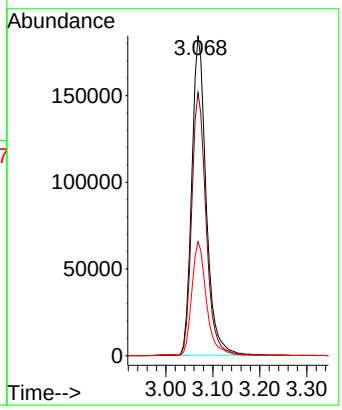


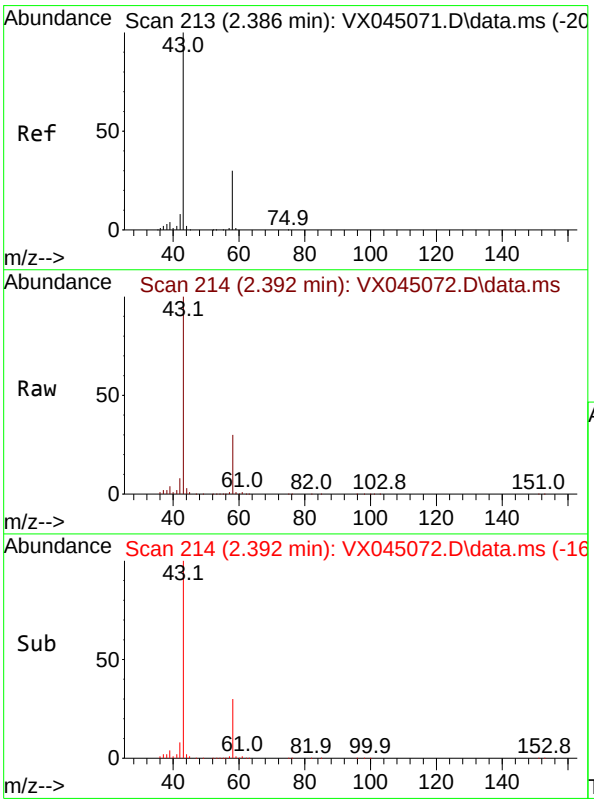
#15
Acrylonitrile
Concen: 526.749 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

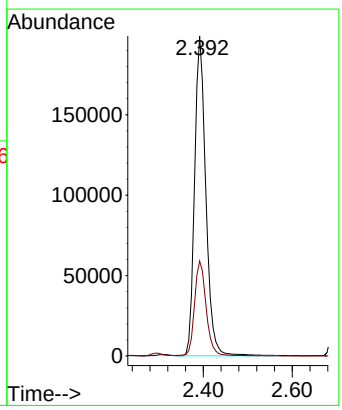


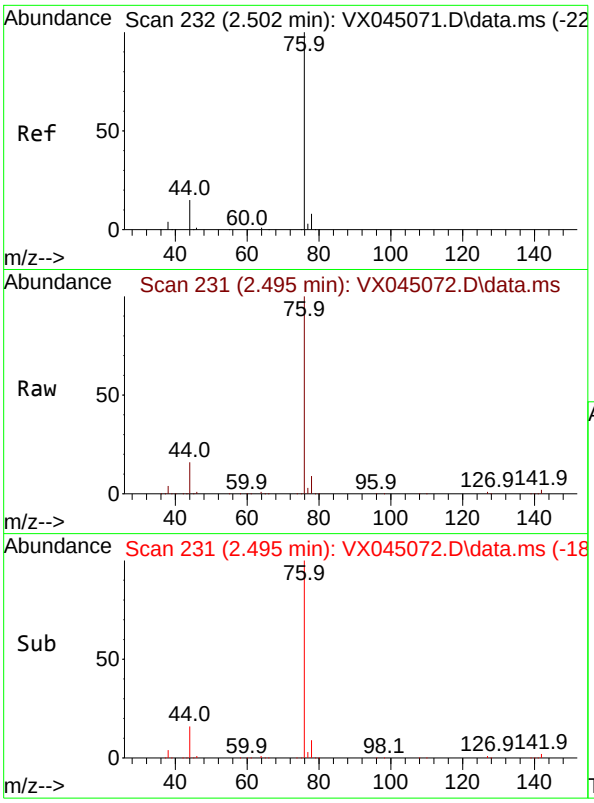


#16
Acetone
Concen: 566.991 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 348698

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4



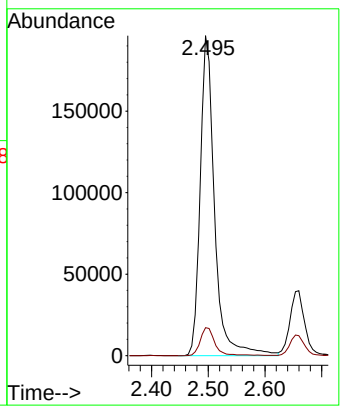


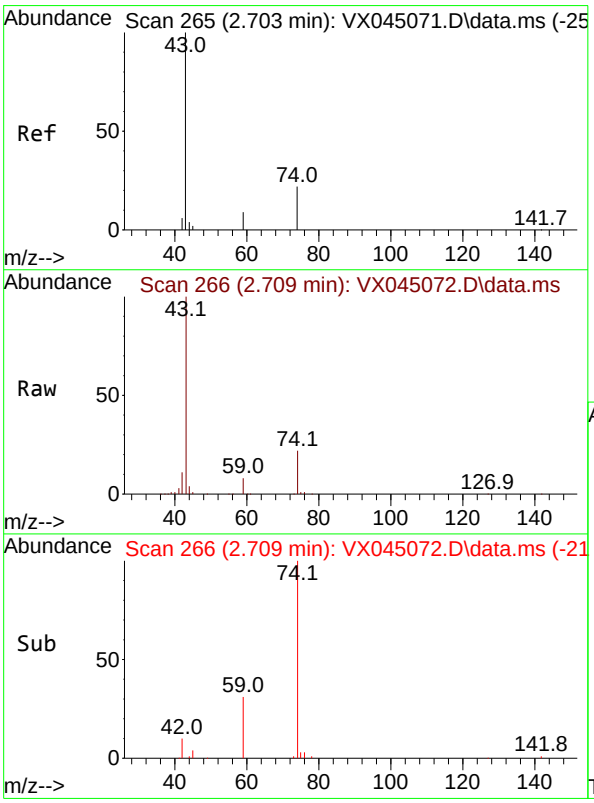
#17
Carbon Disulfide
Concen: 97.574 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 345572

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8

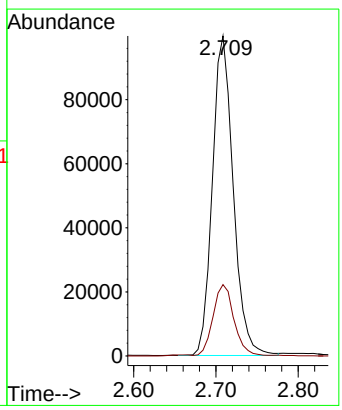


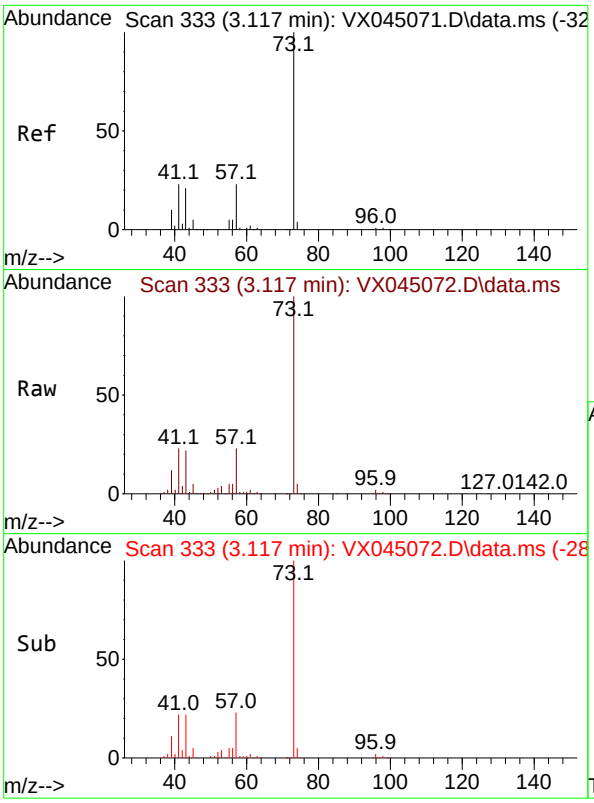


#18
Methyl Acetate
Concen: 94.899 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 43 Resp: 175784

Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.4	26.2



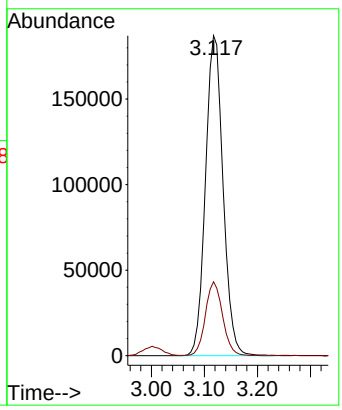


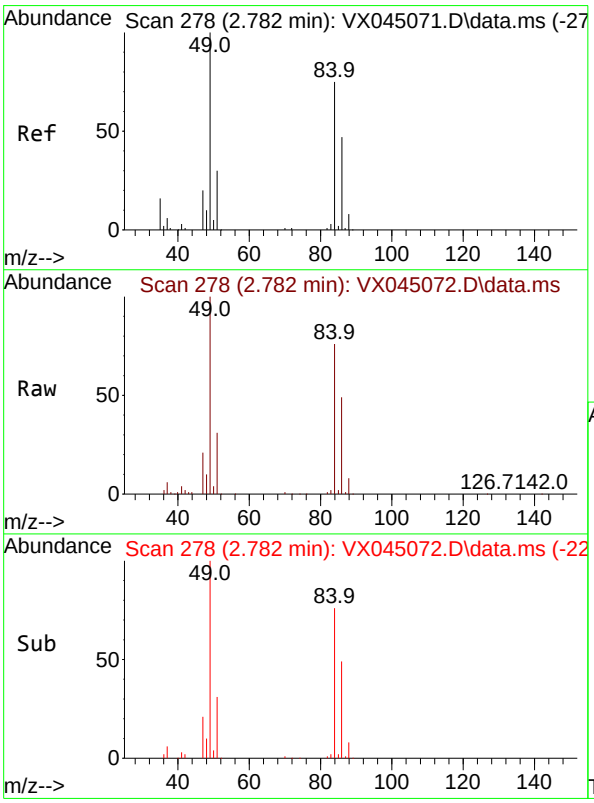
#19
Methyl tert-butyl Ether
Concen: 103.661 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 431413

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7

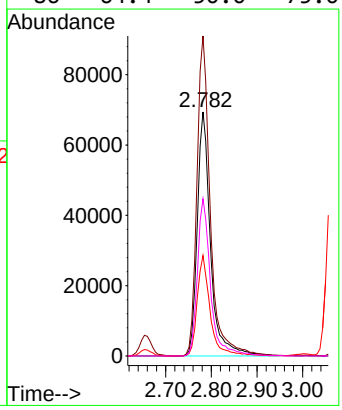


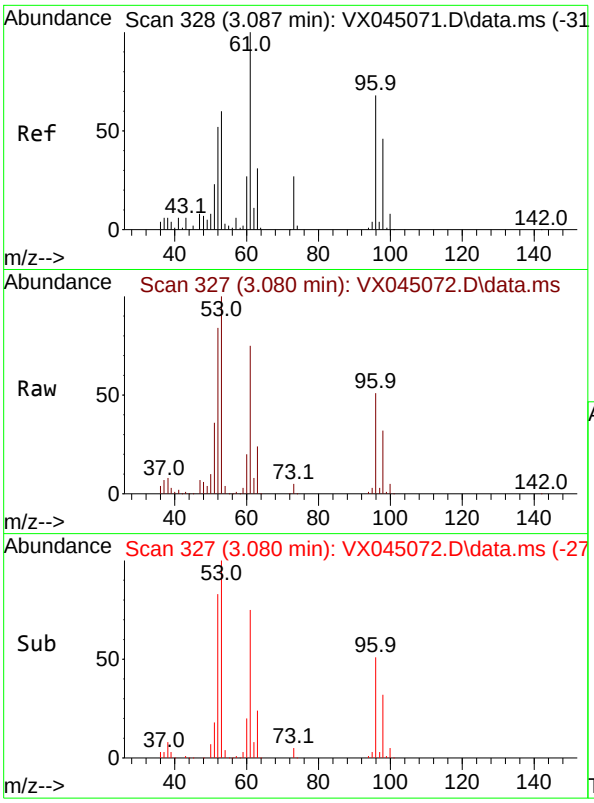


#20
Methylene Chloride
Concen: 96.381 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



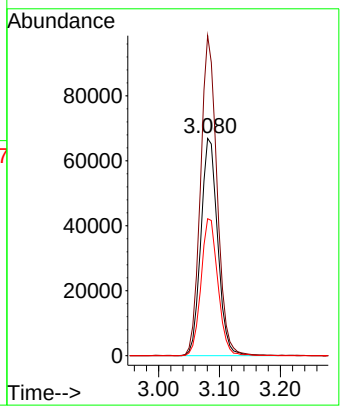


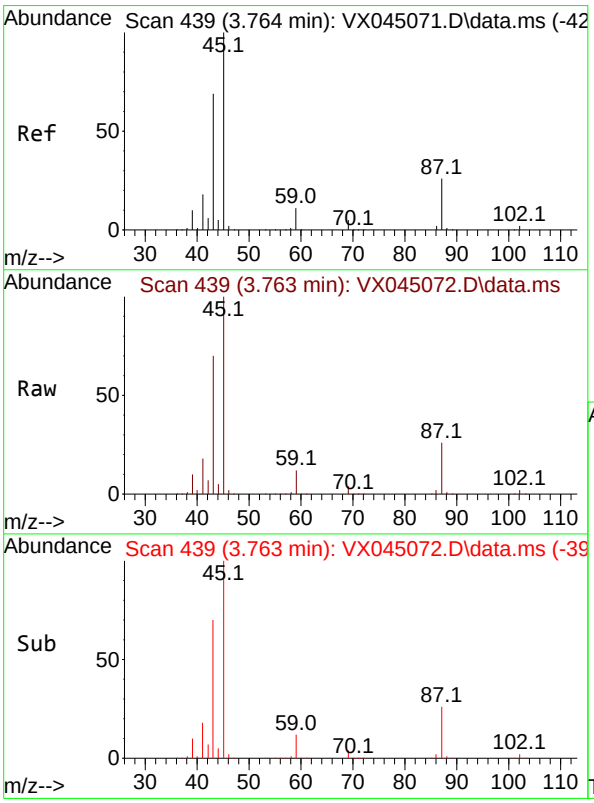
#21
trans-1,2-Dichloroethene
Concen: 100.164 ug/l
RT: 3.080 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

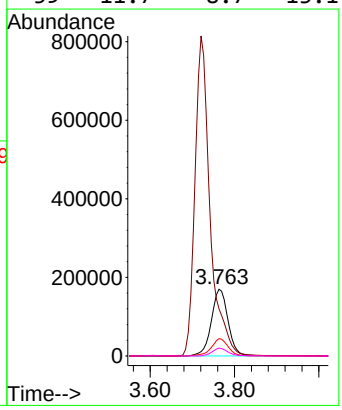


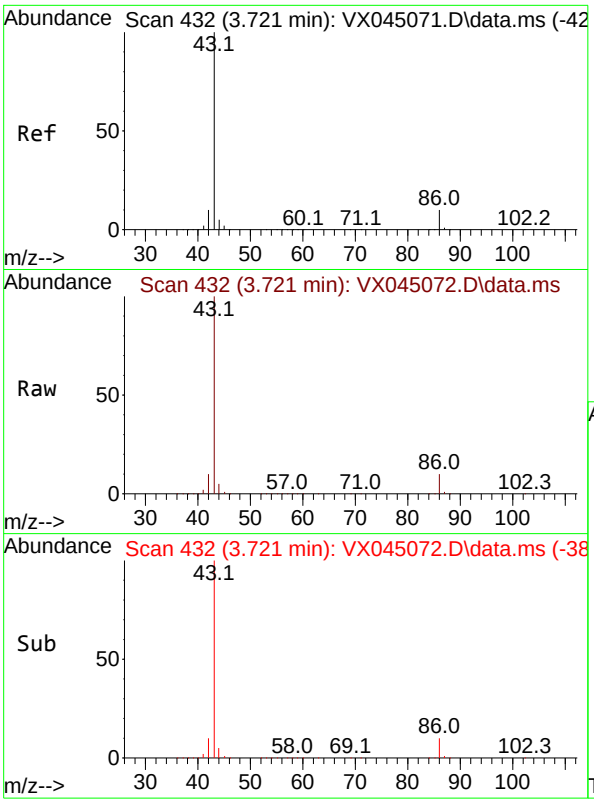


#22
Diisopropyl ether
Concen: 104.489 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



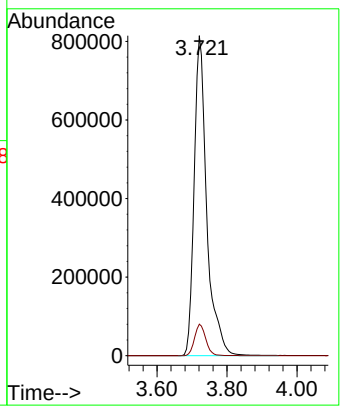


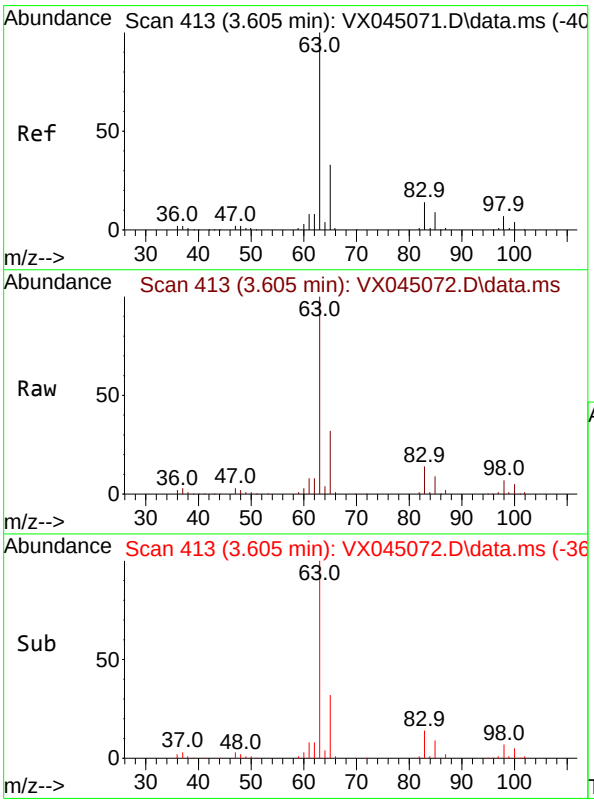
#23
Vinyl Acetate
Concen: 554.219 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2035880

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

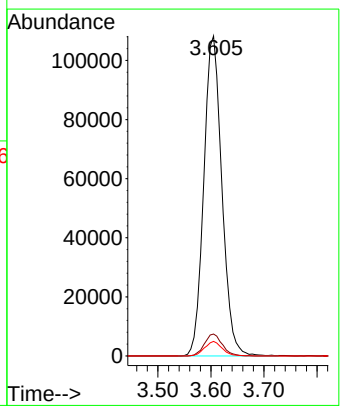


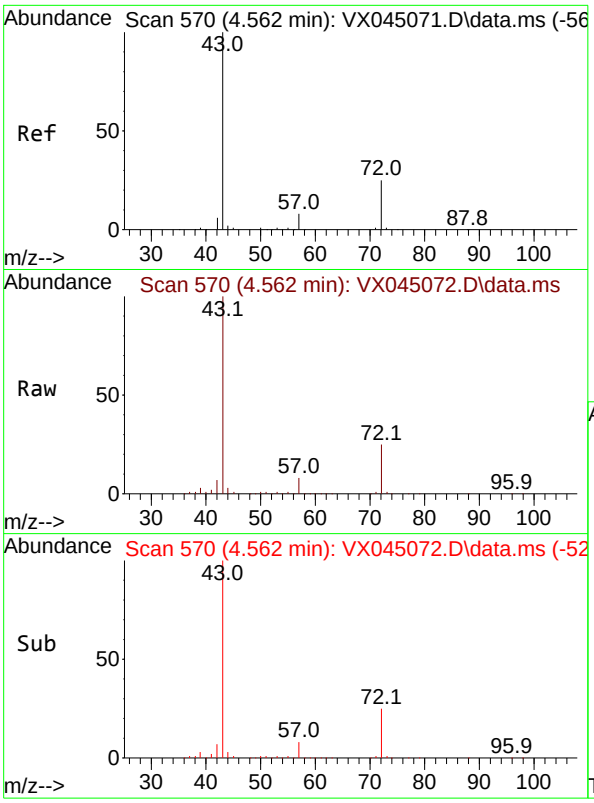


#24
1,1-Dichloroethane
Concen: 102.805 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



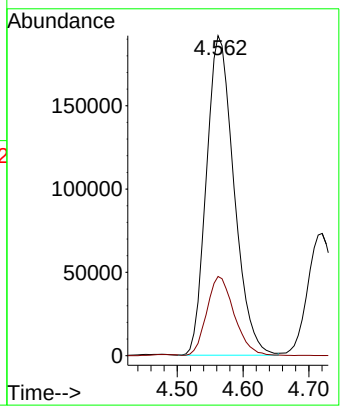


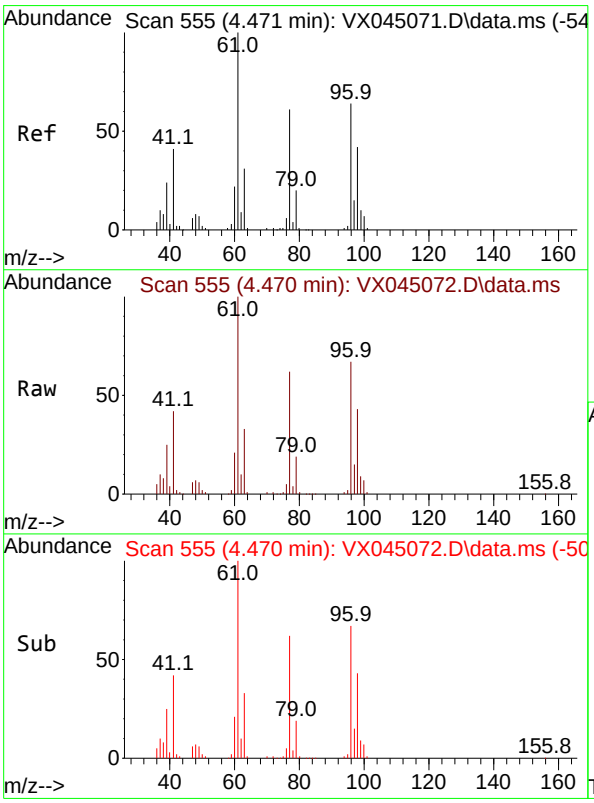
#25
2-Butanone
Concen: 563.952 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 559182

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.0	30.0

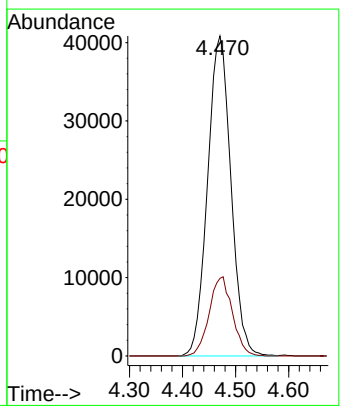


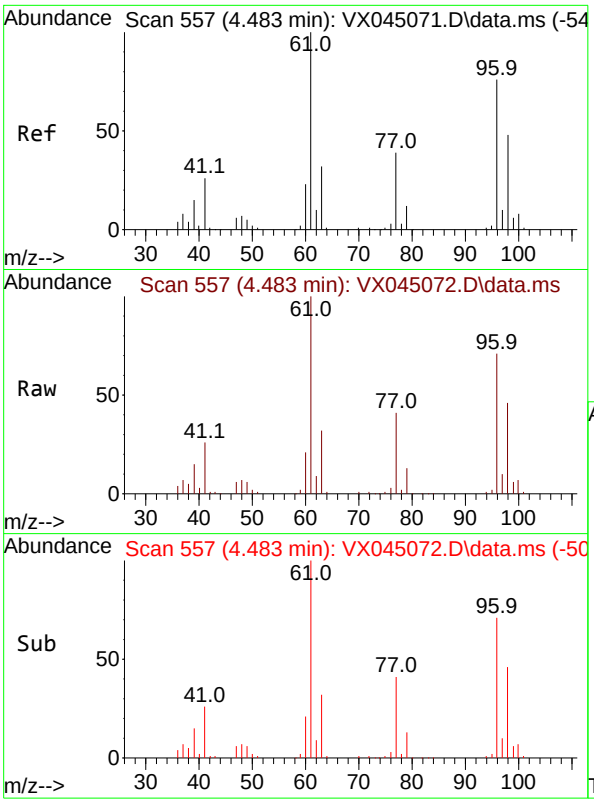


#26
2,2-Dichloropropane
Concen: 67.148 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 77 Resp: 124805

Ion	Ratio	Lower	Upper
77	100		
97	24.6	12.4	37.0



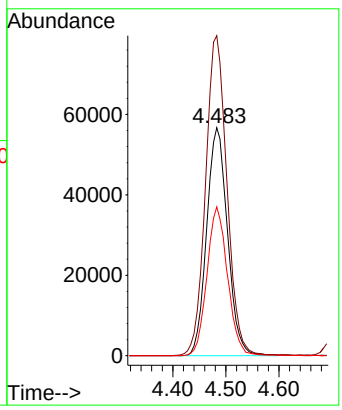


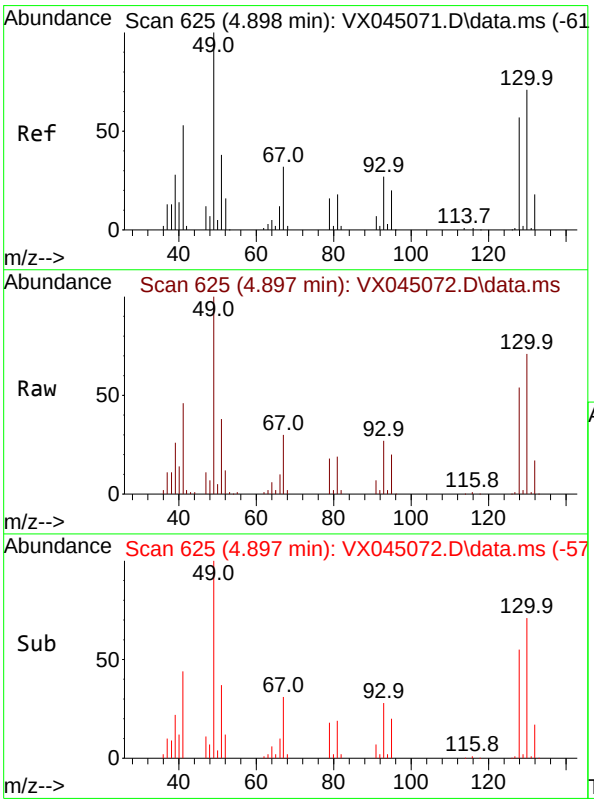
#27
cis-1,2-Dichloroethene
Concen: 100.568 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

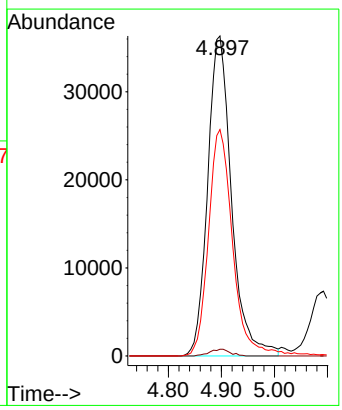


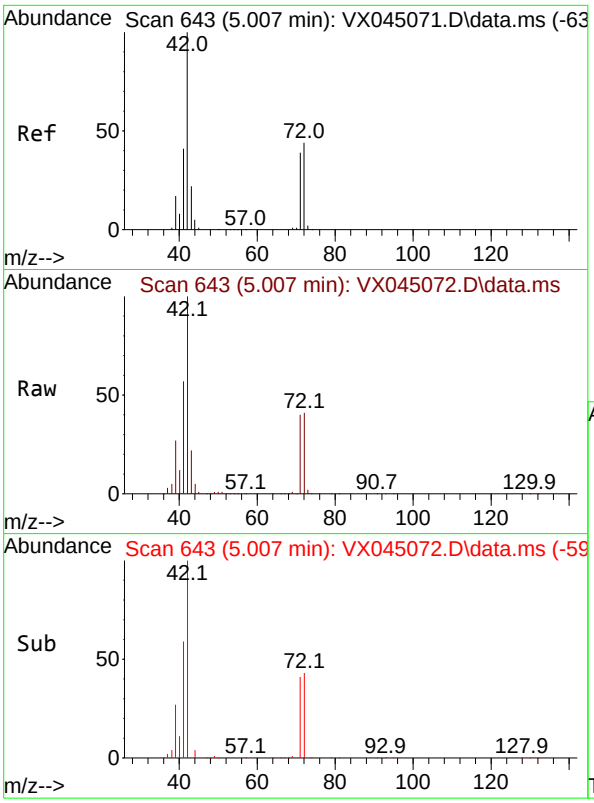


#28
Bromochloromethane
Concen: 94.428 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



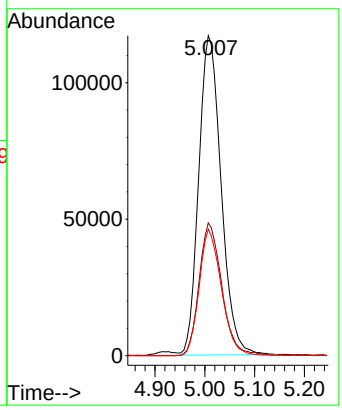


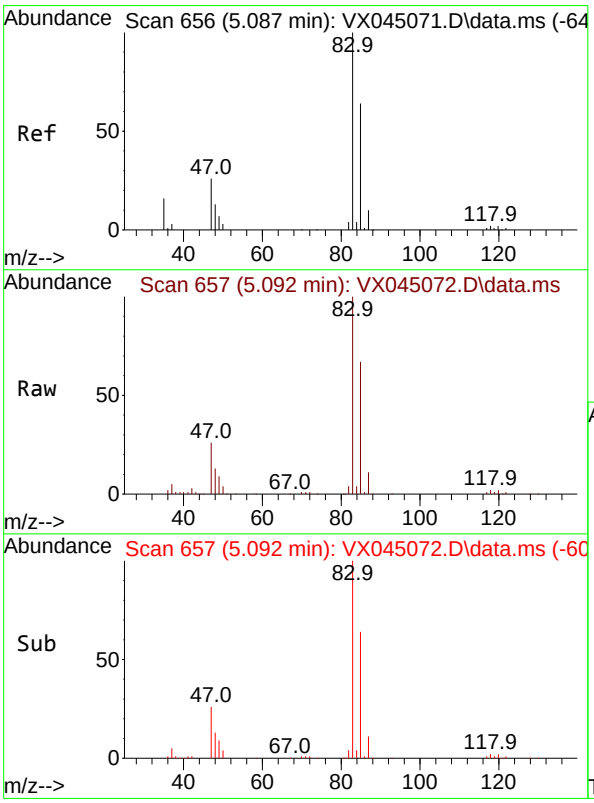
#29
Tetrahydrofuran
Concen: 556.465 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

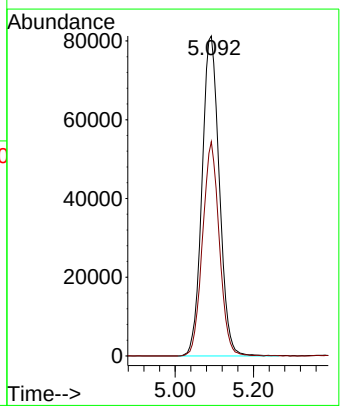


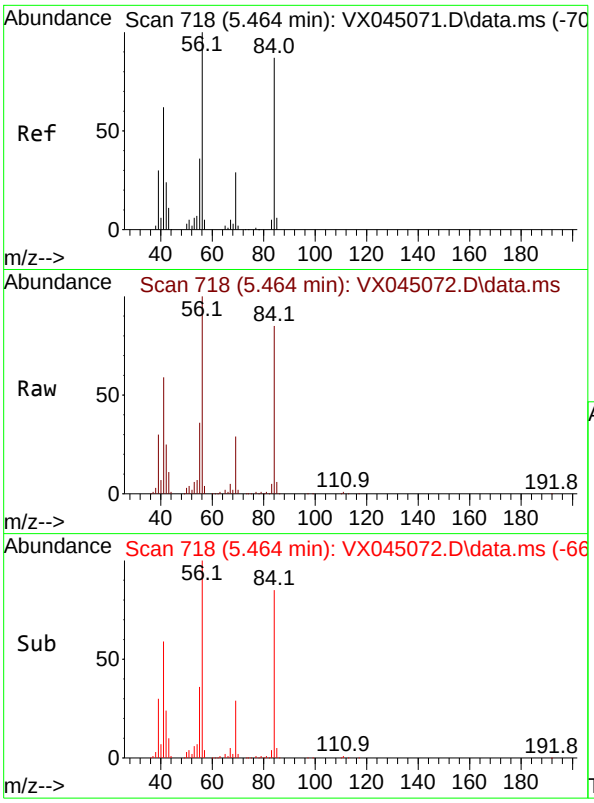


#30
Chloroform
Concen: 101.814 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 83 Resp: 248978

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2



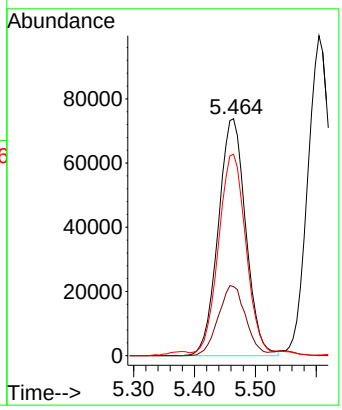


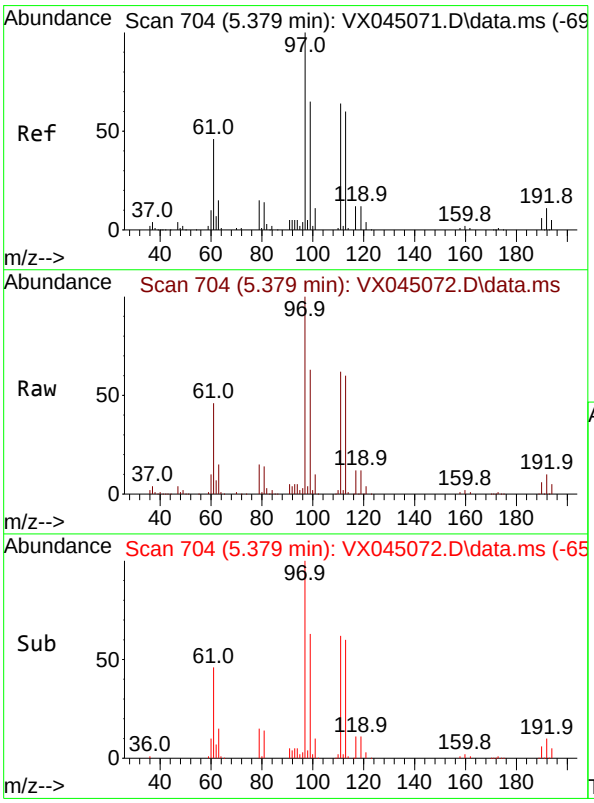
#31
Cyclohexane
Concen: 100.711 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

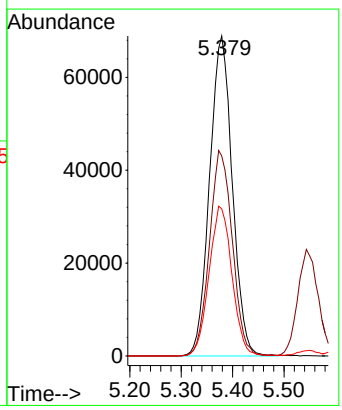


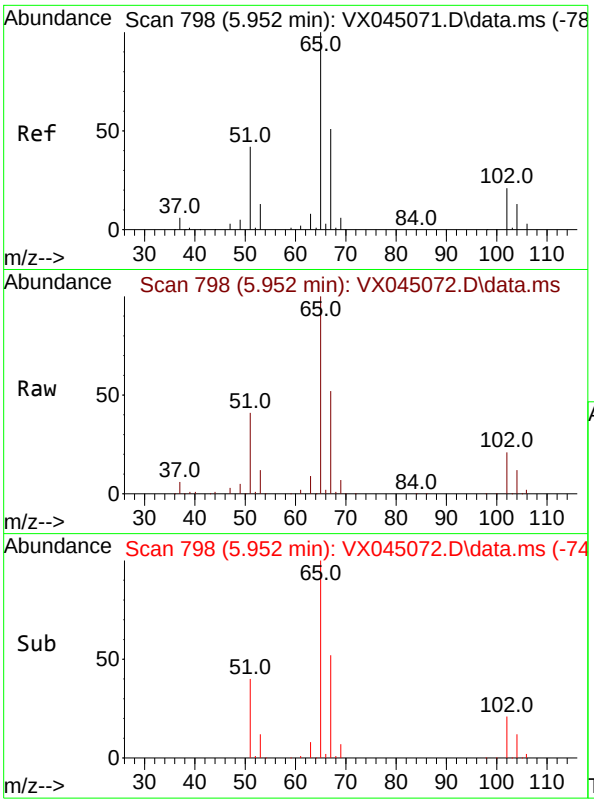


#32
1,1,1-Trichloroethane
Concen: 102.638 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



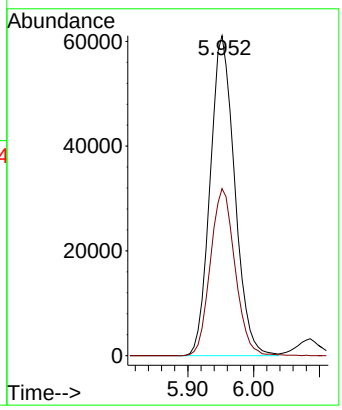


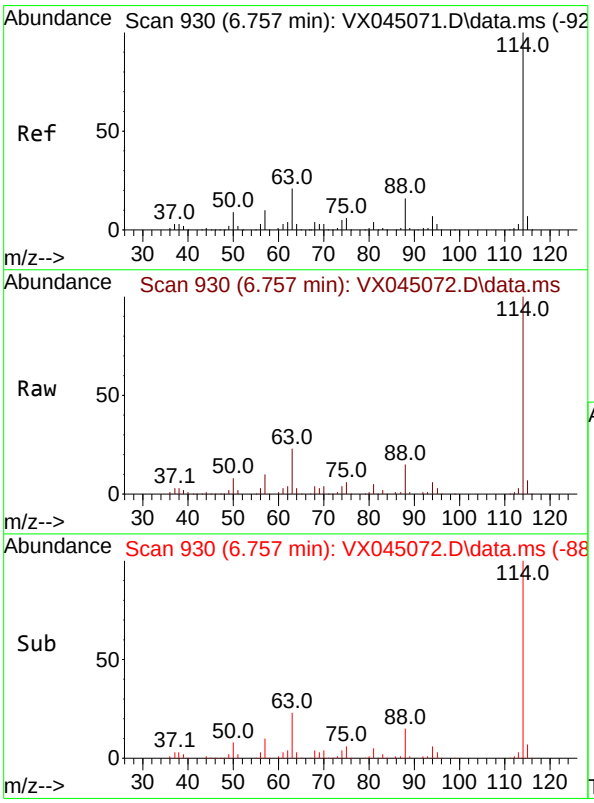
#33
1,2-Dichloroethane-d4
Concen: 106.011 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 158452

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2

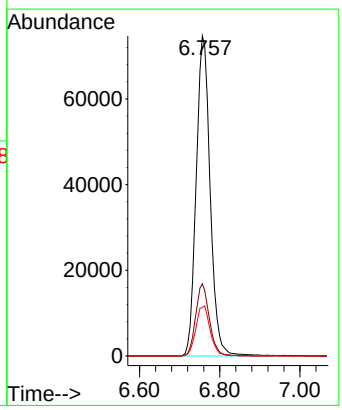


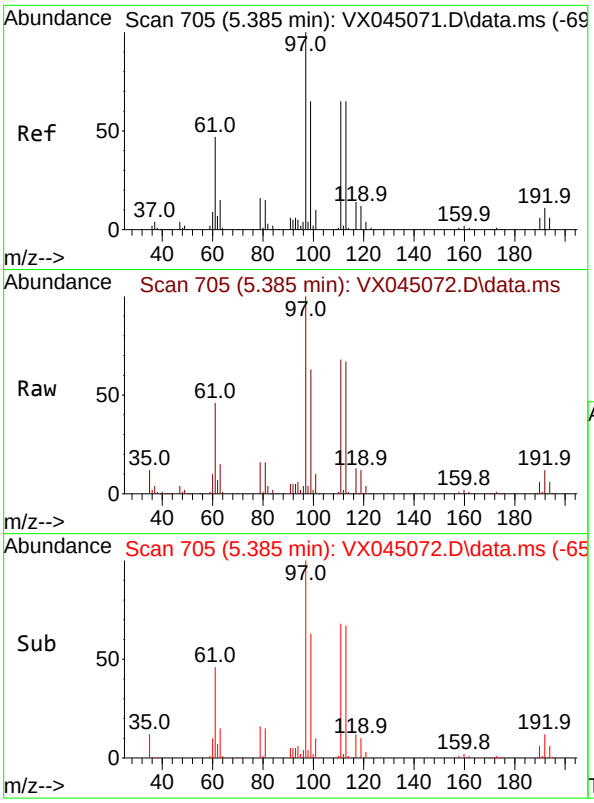


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



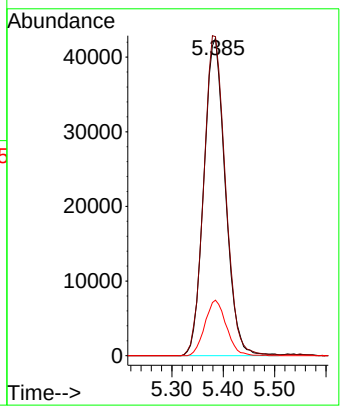


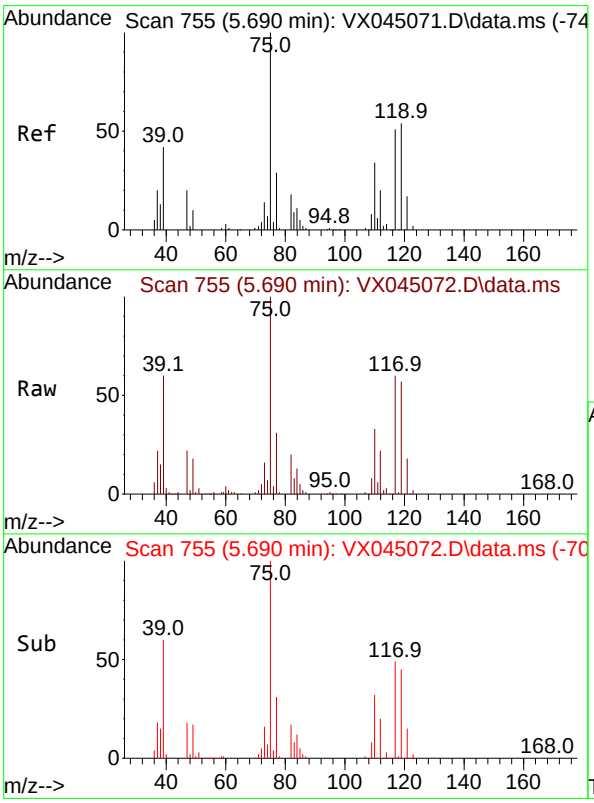
#35
Dibromofluoromethane
Concen: 104.110 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

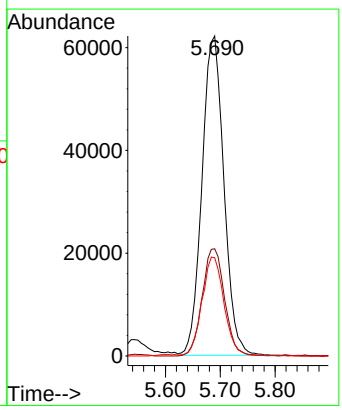


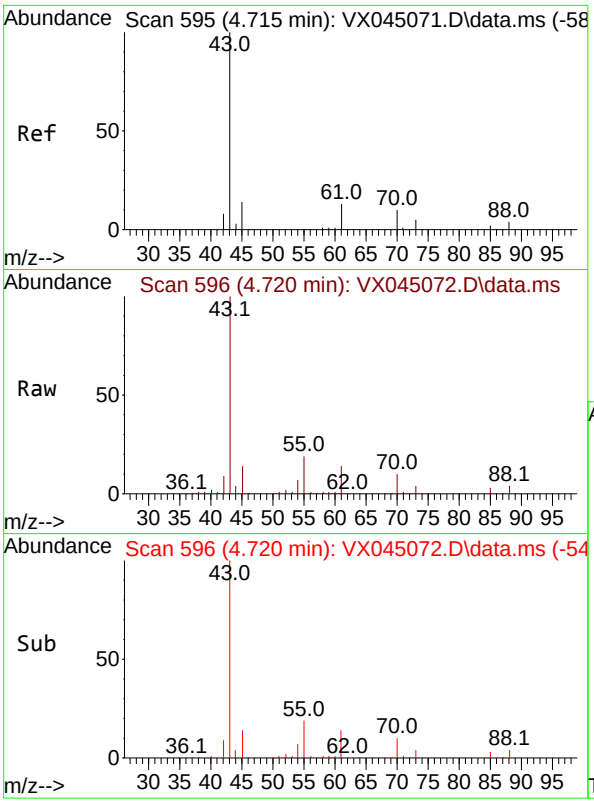


#36
1,1-Dichloropropene
Concen: 101.258 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



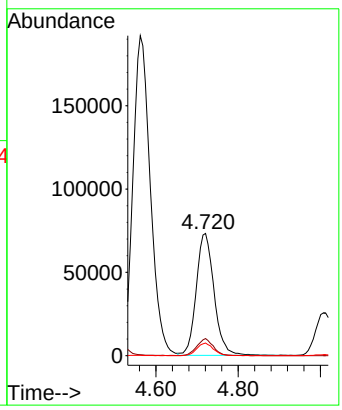


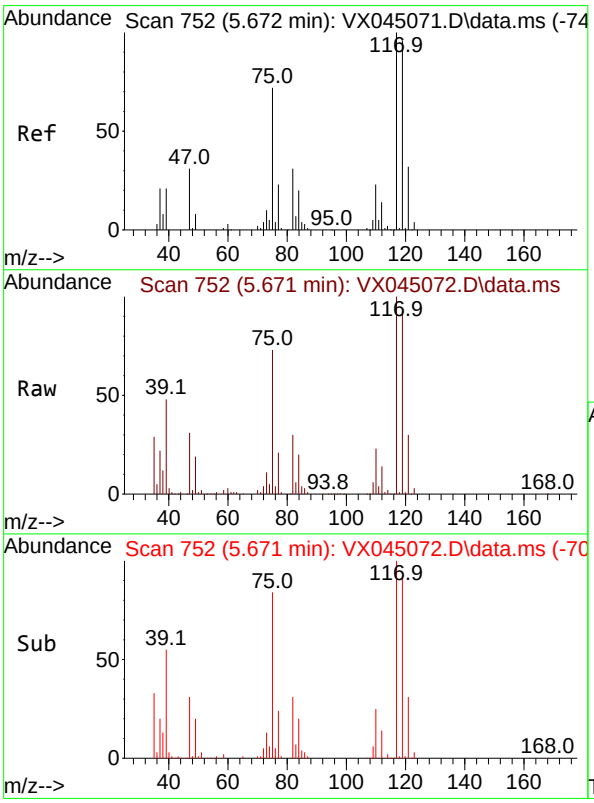
#37
Ethyl Acetate
Concen: 113.796 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

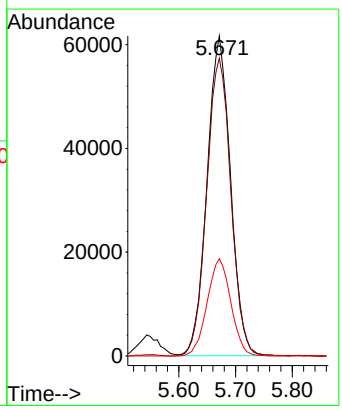


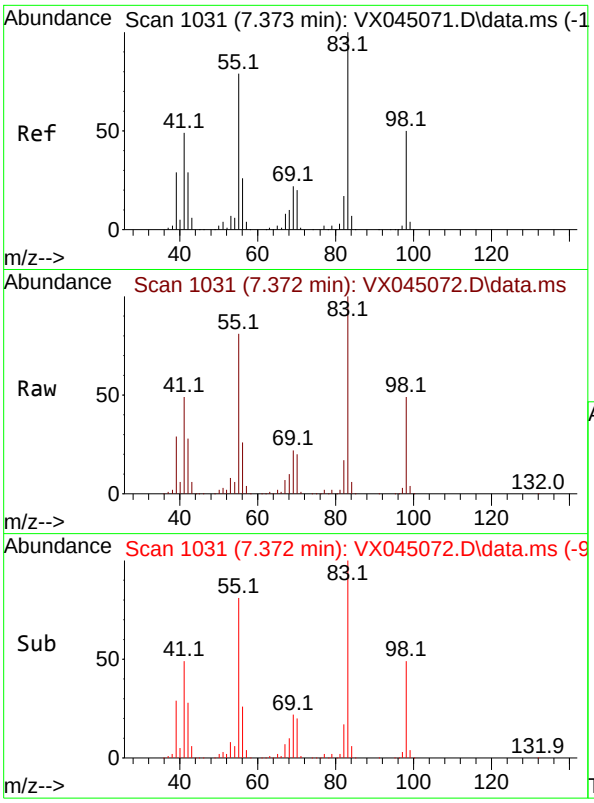


#38
Carbon Tetrachloride
Concen: 105.940 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



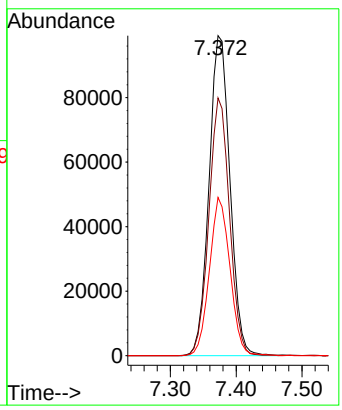


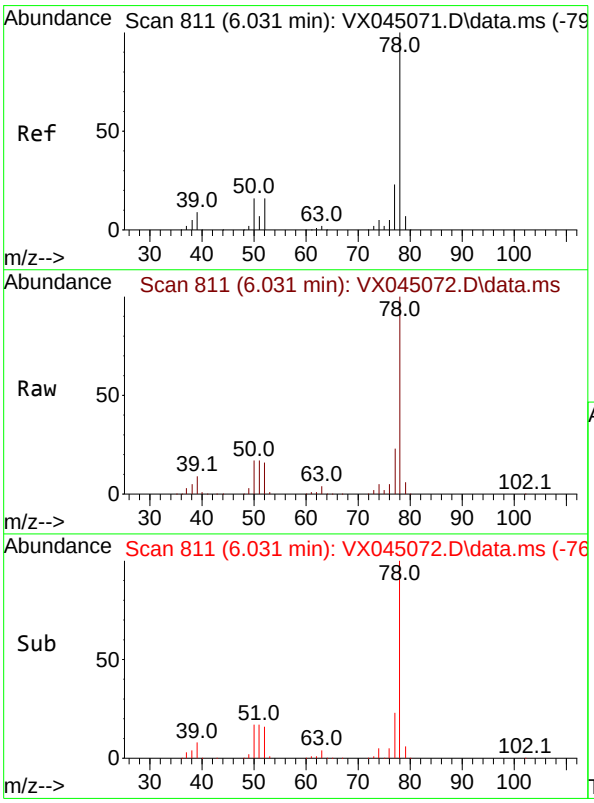
#39
Methylcyclohexane
Concen: 101.175 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

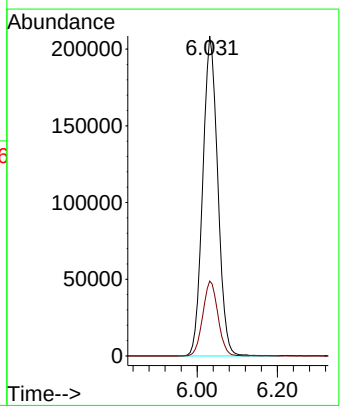


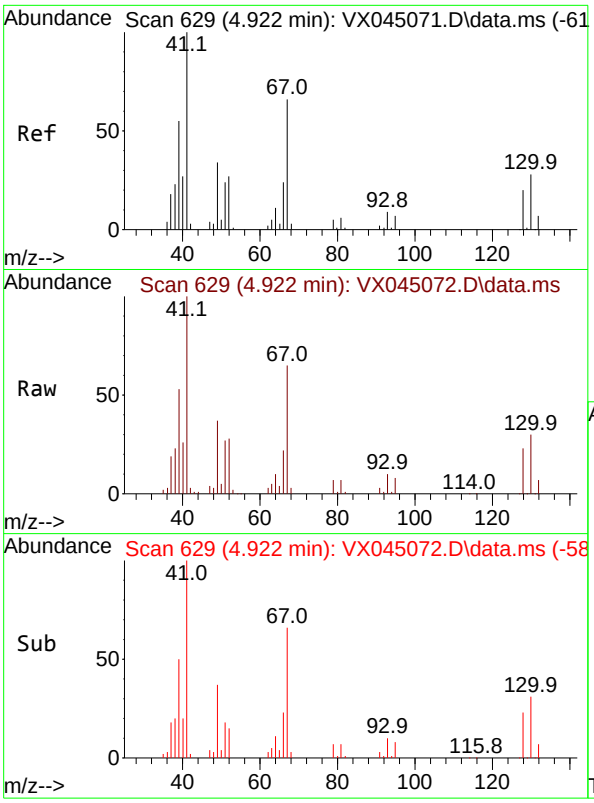


#40
Benzene
Concen: 101.908 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 78 Resp: 541974

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2



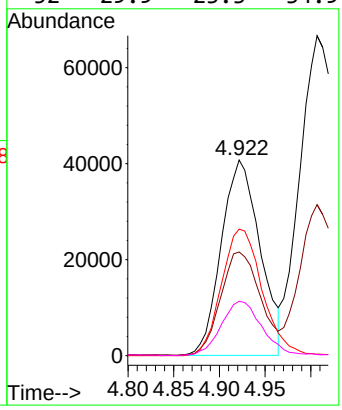


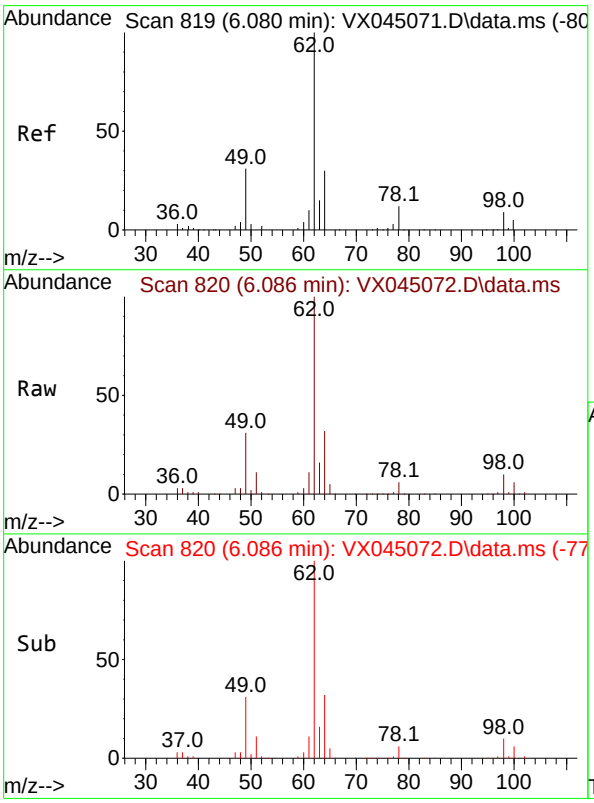
#41
Methacrylonitrile
Concen: 116.205 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

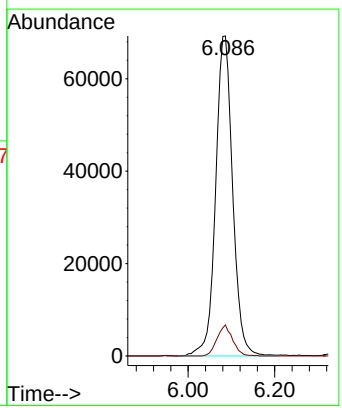


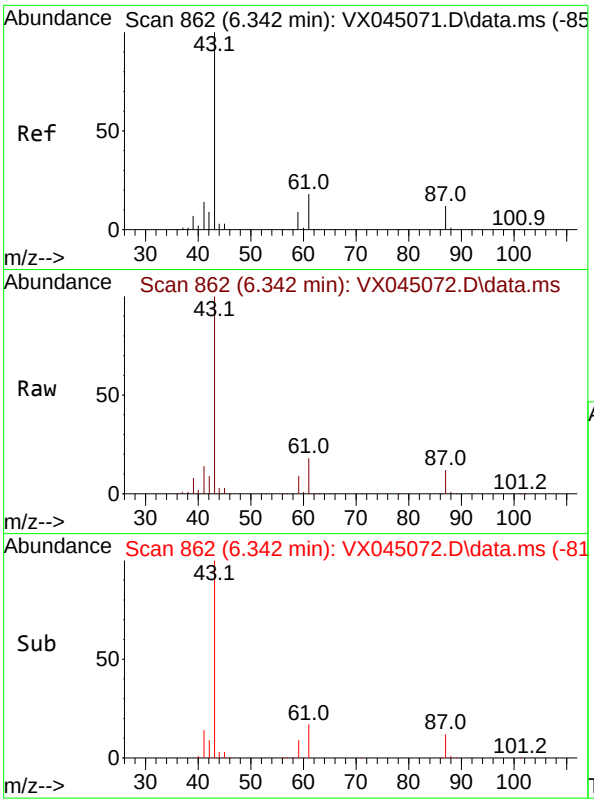


#42
1,2-Dichloroethane
Concen: 110.158 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 62 Resp: 189857

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



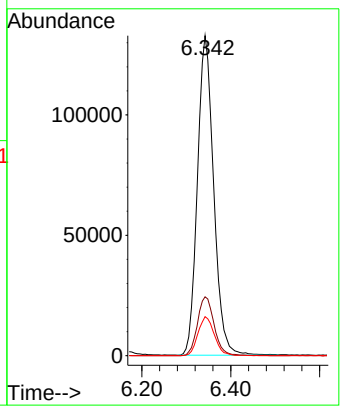


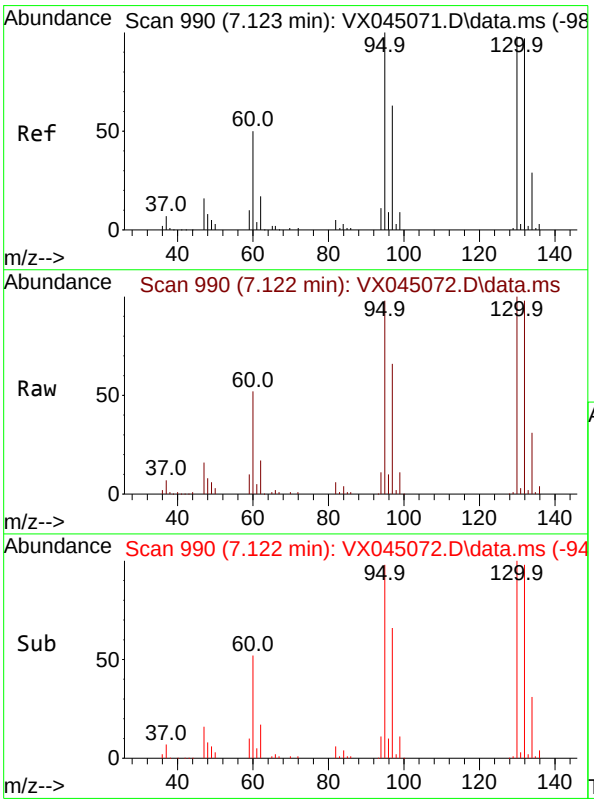
#43
Isopropyl Acetate
Concen: 109.806 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

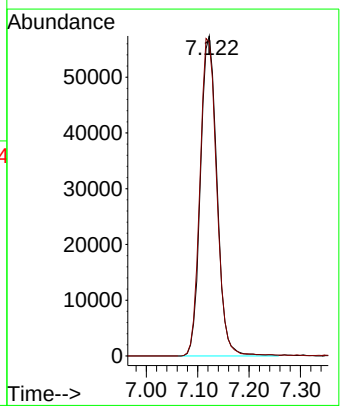


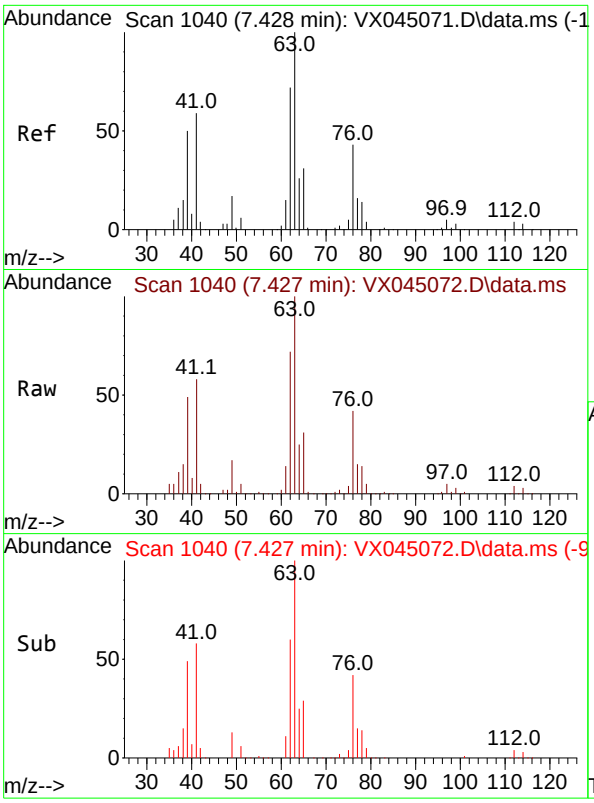


#44
Trichloroethene
Concen: 105.402 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:130 Resp: 128124

Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	205.0



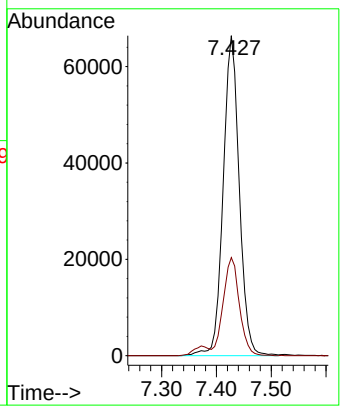


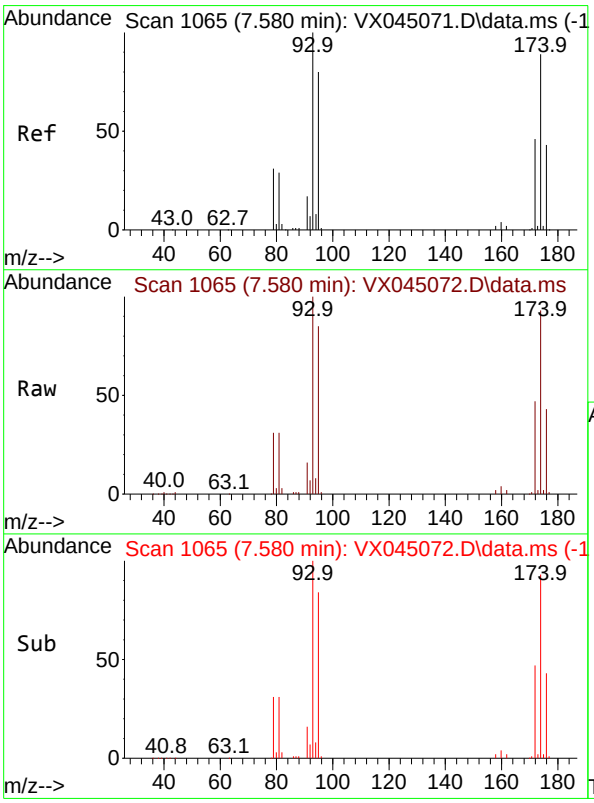
#45
1,2-Dichloropropane
Concen: 102.898 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 135997

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

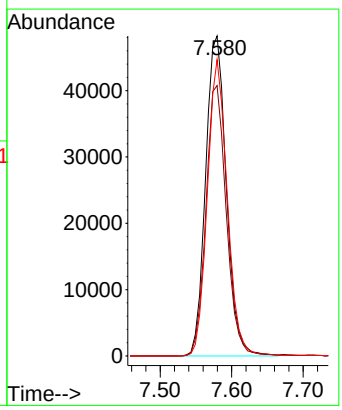


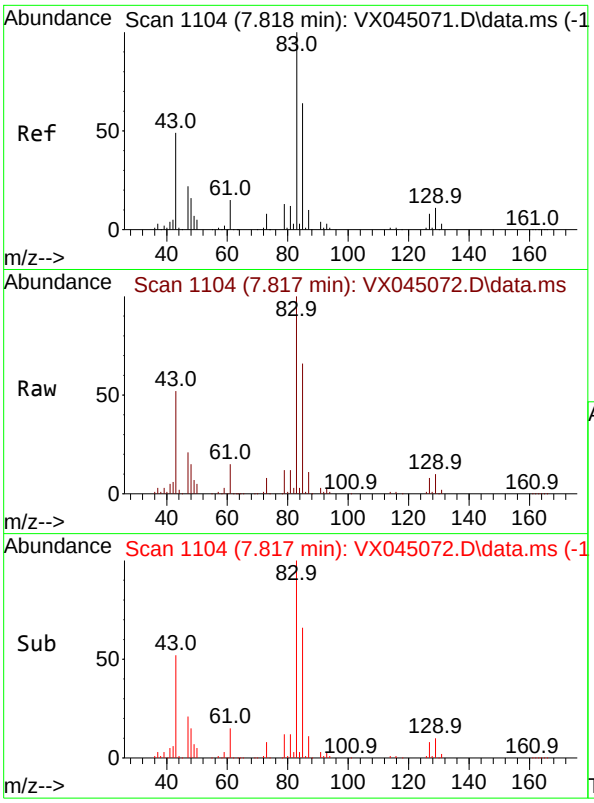


#46
Dibromomethane
Concen: 105.329 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



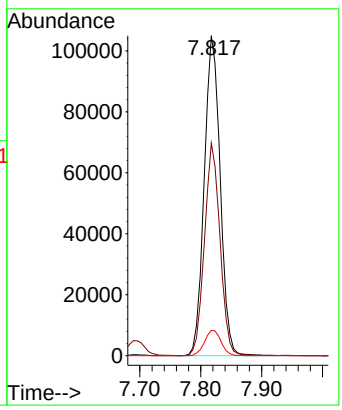


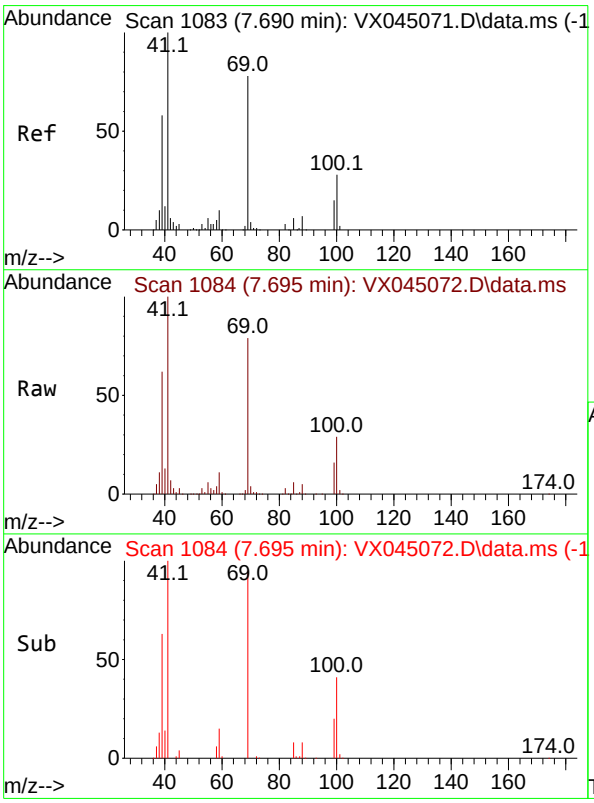
#47
Bromodichloromethane
Concen: 106.947 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

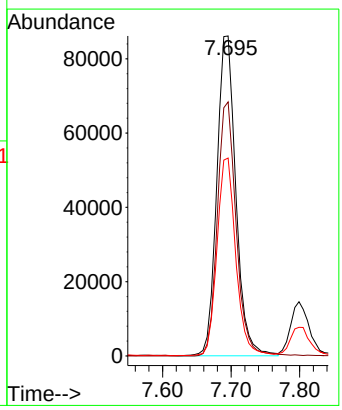


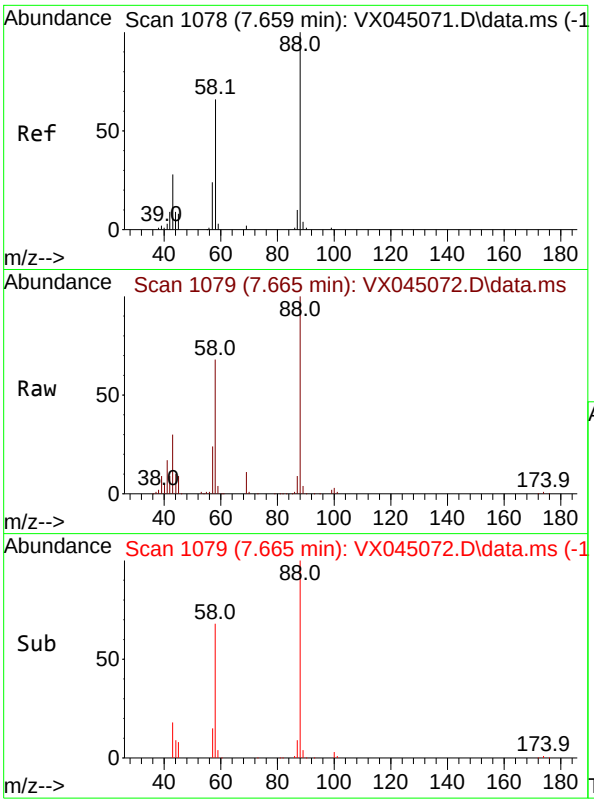


#48
Methyl methacrylate
Concen: 113.344 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



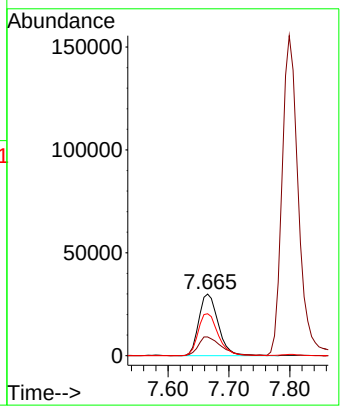


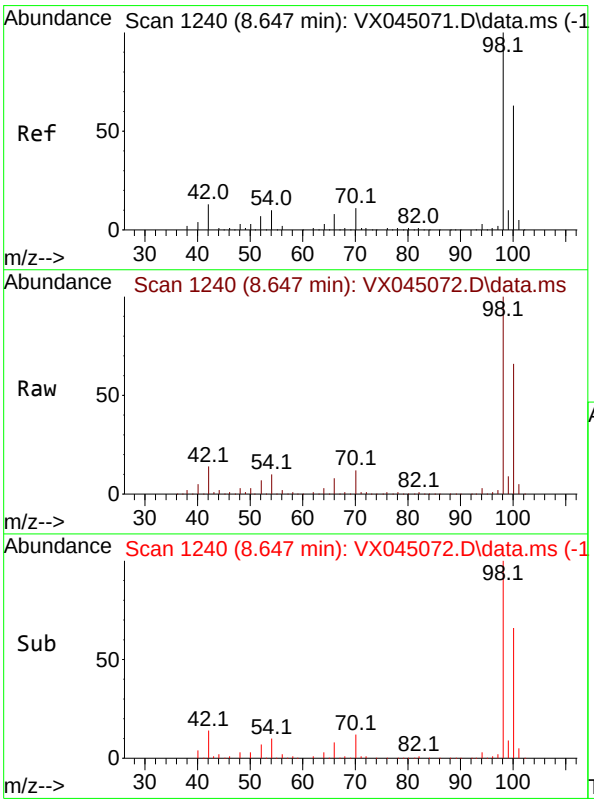
#49
1,4-Dioxane
Concen: 2132.314 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

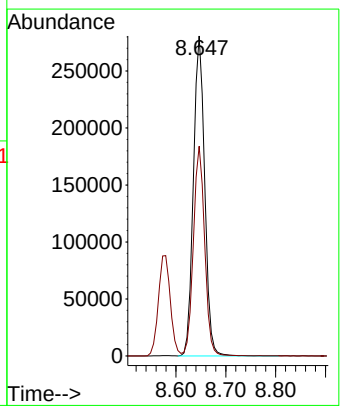


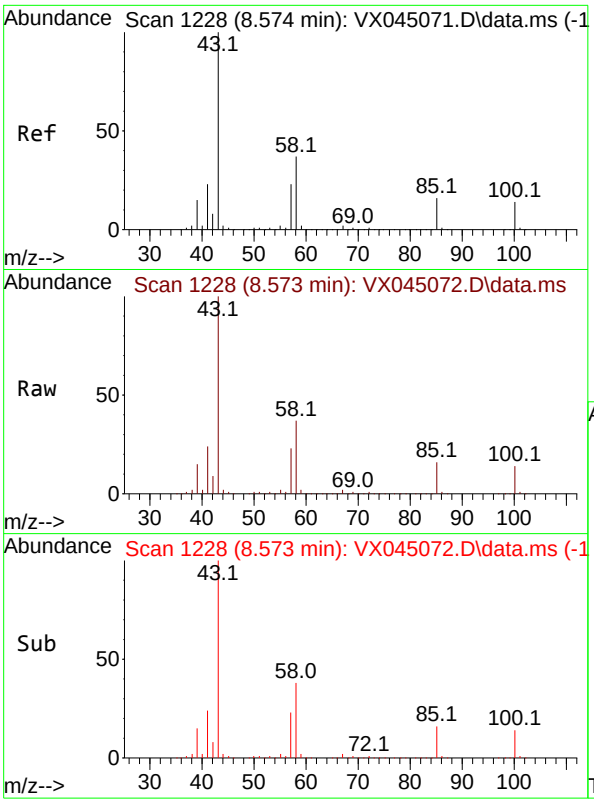


#50
Toluene-d8
Concen: 99.595 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 98 Resp: 441188

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0



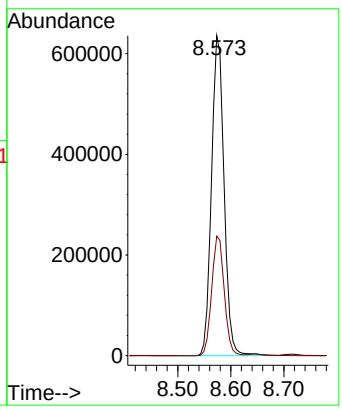


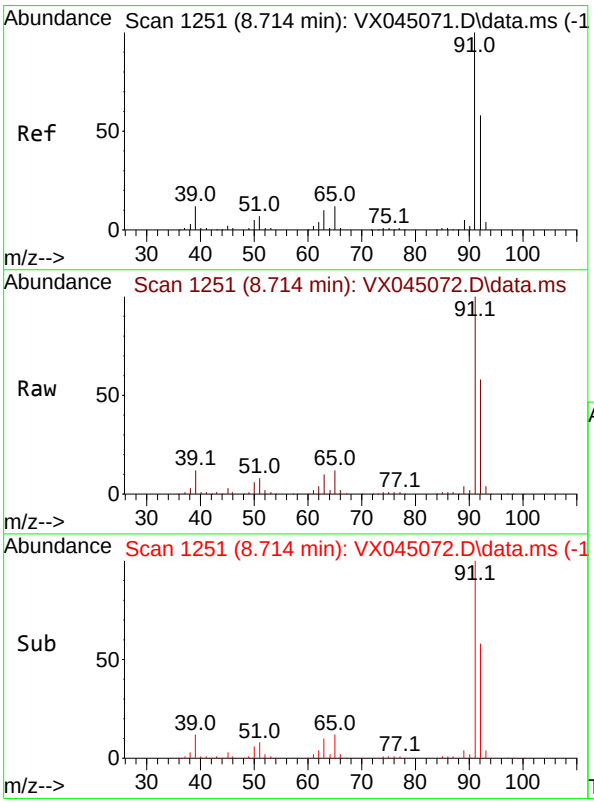
#51
4-Methyl-2-Pentanone
Concen: 555.050 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1048140

Ion	Ratio	Lower	Upper
43	100		
58	37.4	29.2	43.8

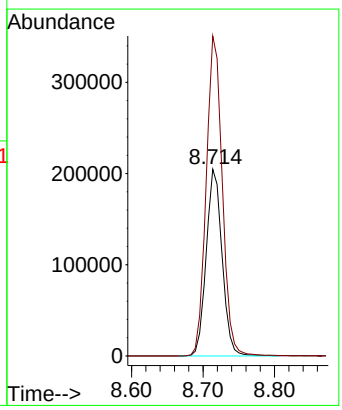


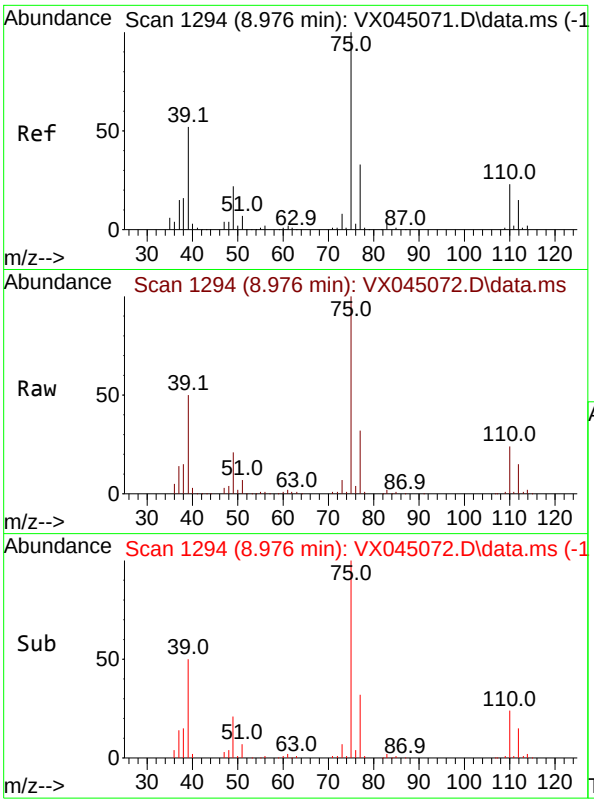


#52
Toluene
Concen: 100.178 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 92 Resp: 316349

Ion	Ratio	Lower	Upper
92	100		
91	173.2	138.9	208.3



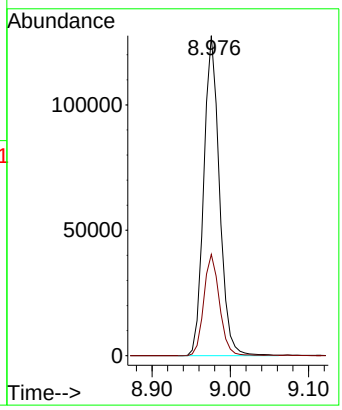


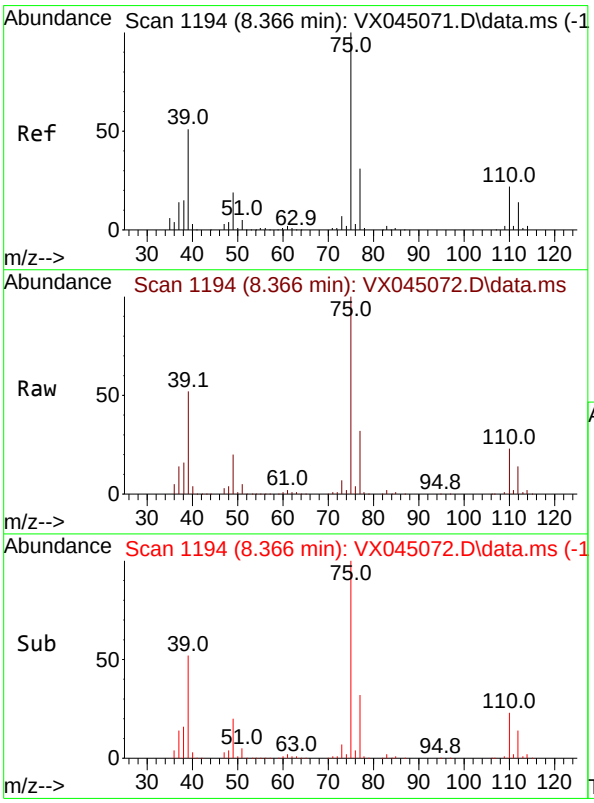
#53
t-1,3-Dichloropropene
Concen: 100.462 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 177352

Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.5	39.7

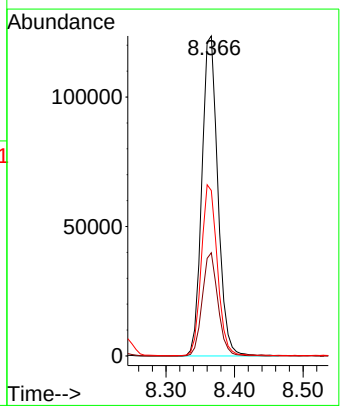


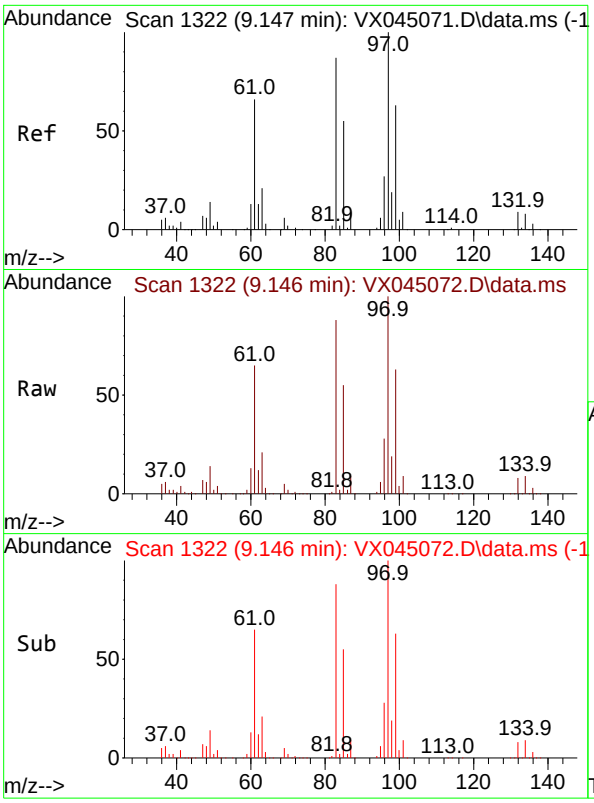


#54
cis-1,3-Dichloropropene
Concen: 101.815 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



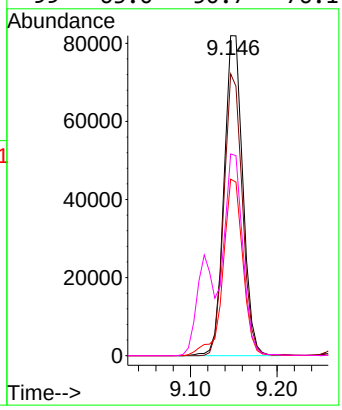


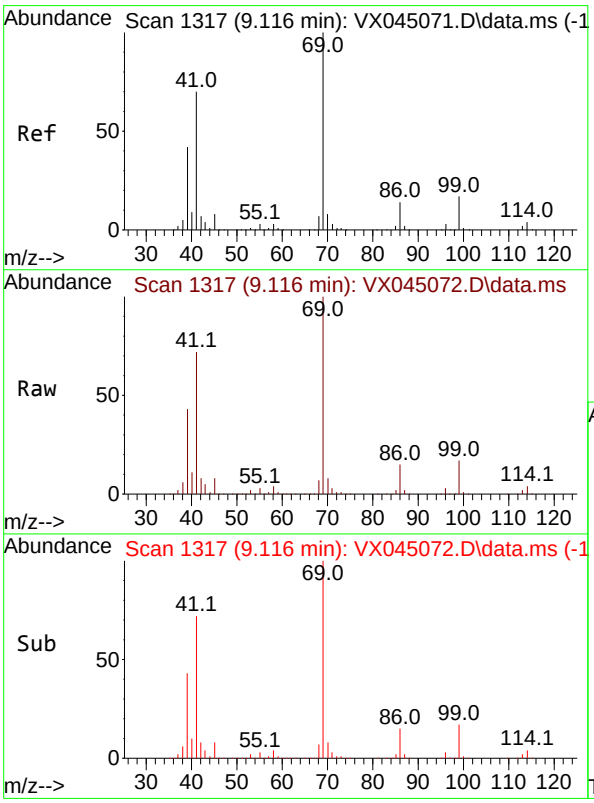
#55
1,1,2-Trichloroethane
Concen: 100.920 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

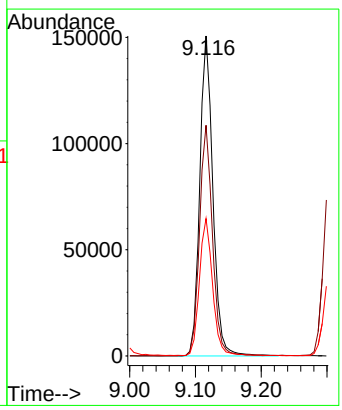


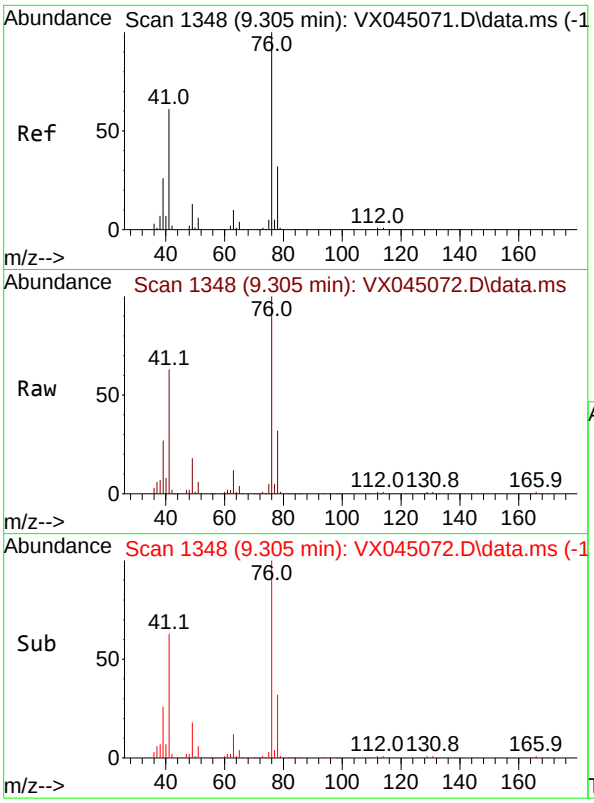


#56
Ethyl methacrylate
Concen: 106.744 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



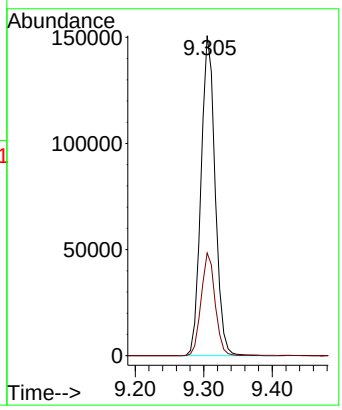


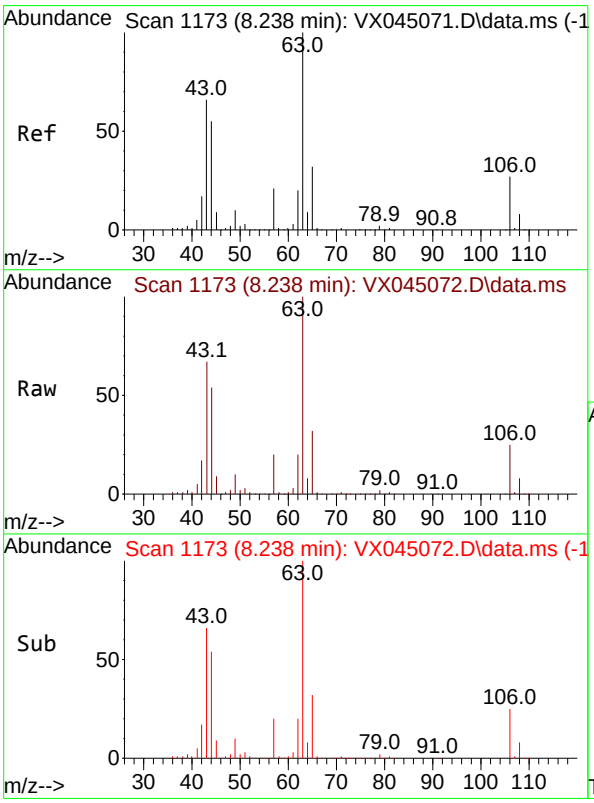
#57
1,3-Dichloropropane
Concen: 101.387 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 216267

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

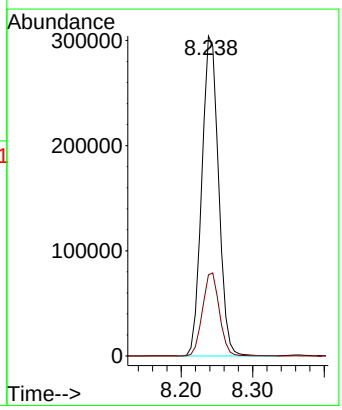


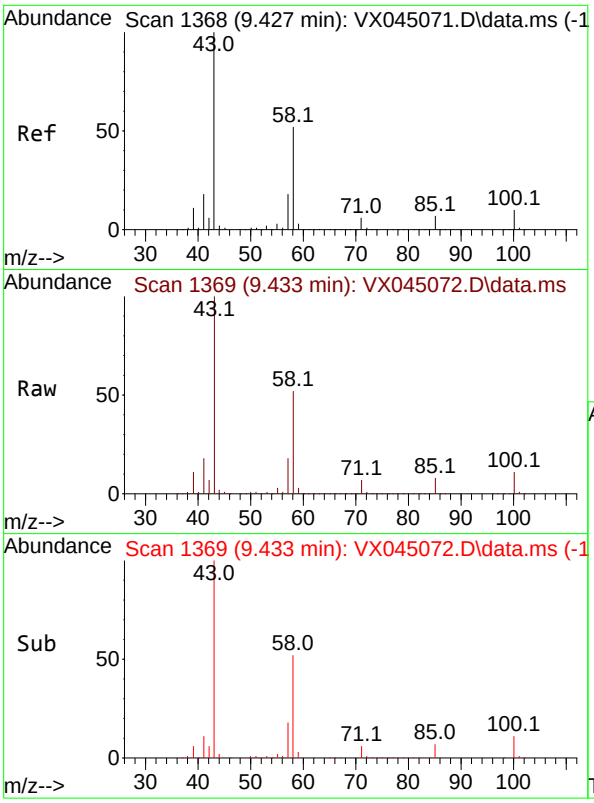


#58
2-Chloroethyl Vinyl ether
Concen: 514.987 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 63 Resp: 494551

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3



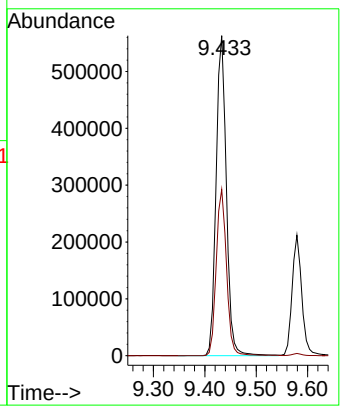


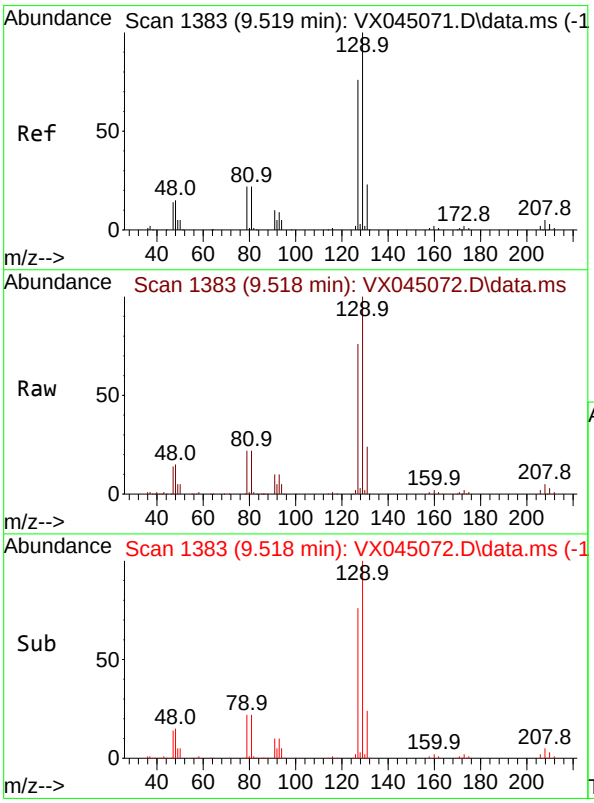
#59
2-Hexanone
Concen: 572.233 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 779492

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

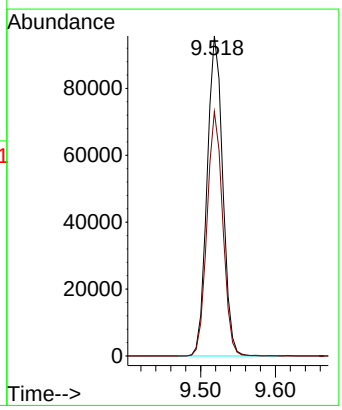


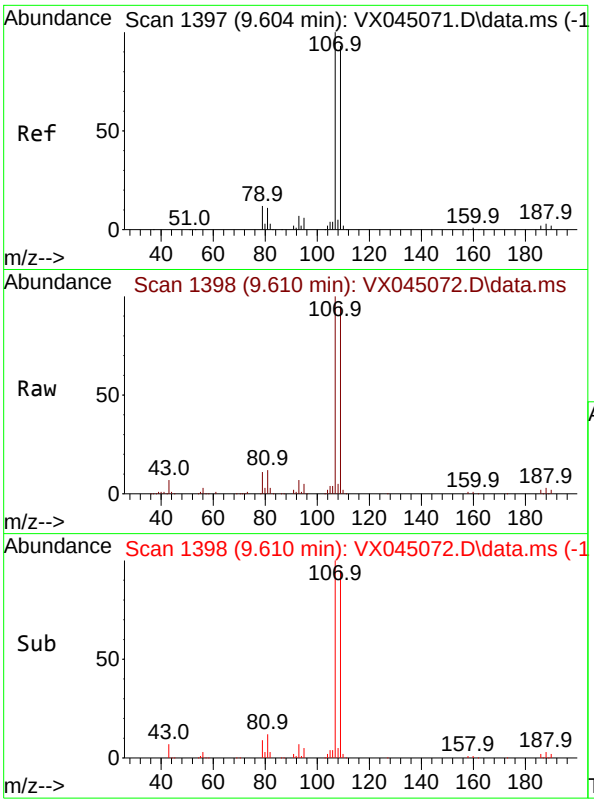


#60
Dibromochloromethane
Concen: 106.719 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:129 Resp: 139245

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.5	115.5



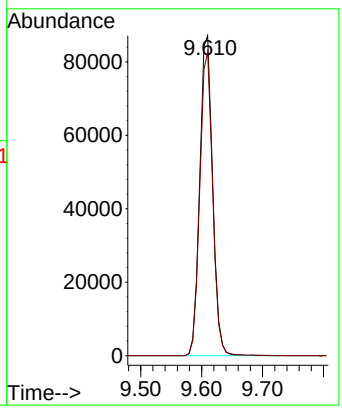


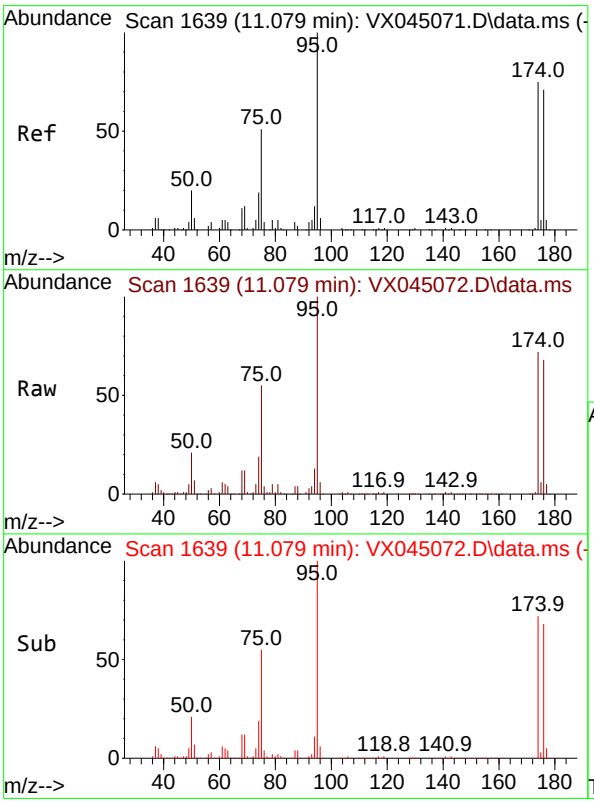
#61
1,2-Dibromoethane
Concen: 104.259 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 128617

Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.1	114.1

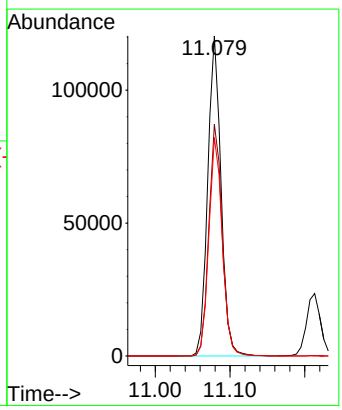


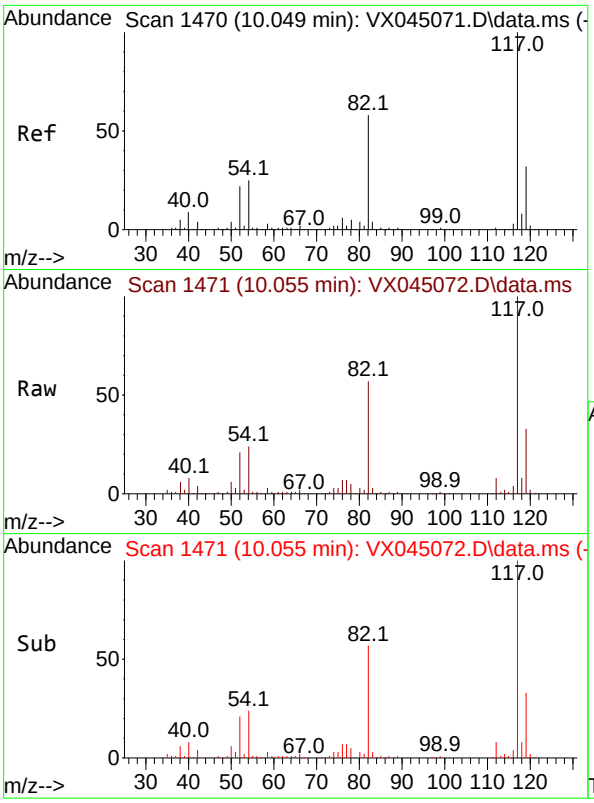


#62
4-Bromofluorobenzene
Concen: 100.365 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



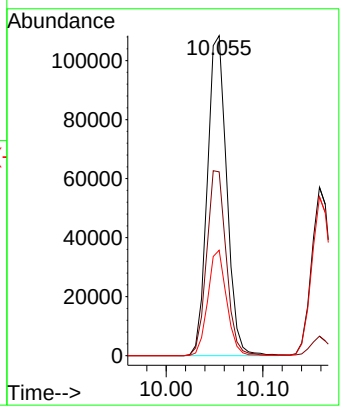


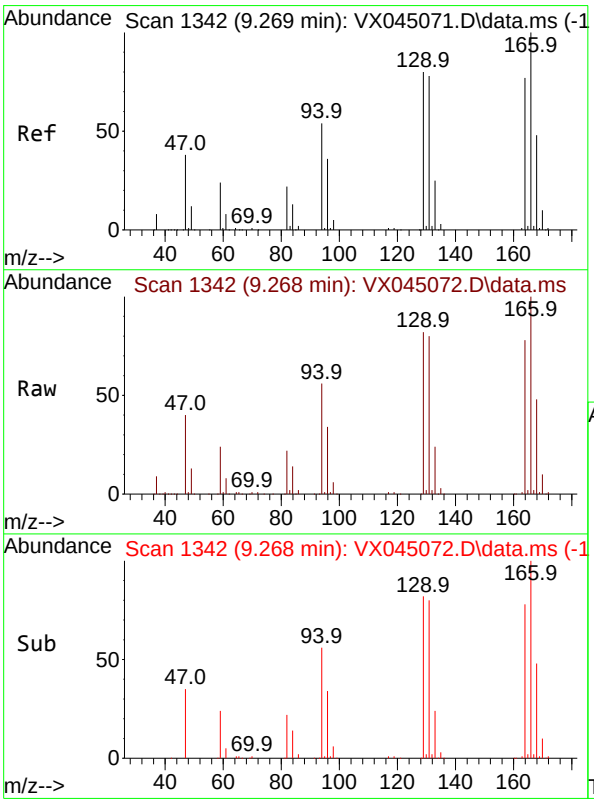
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

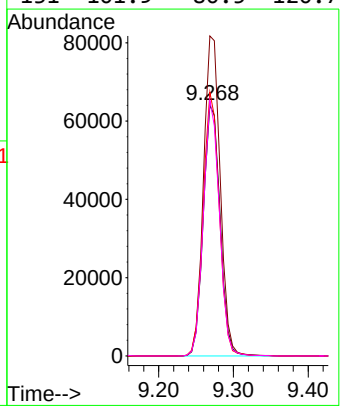


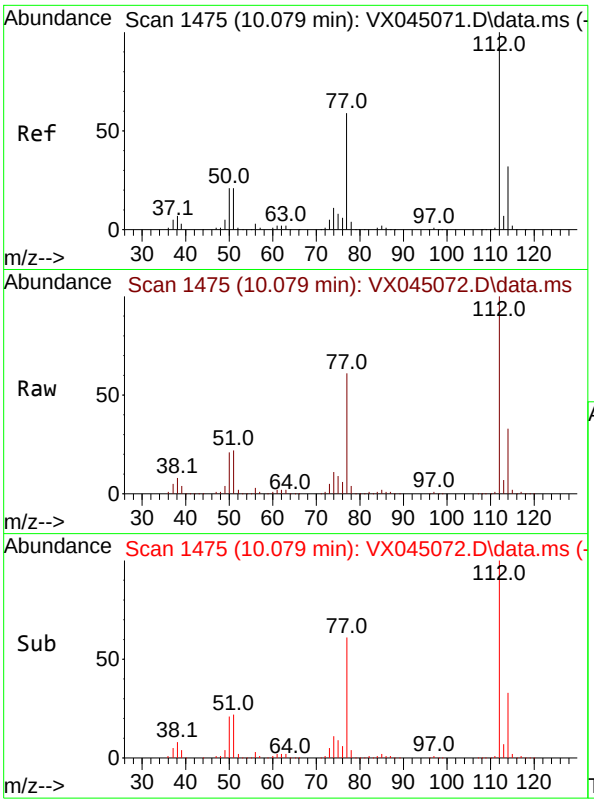


#64
Tetrachloroethene
Concen: 103.491 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



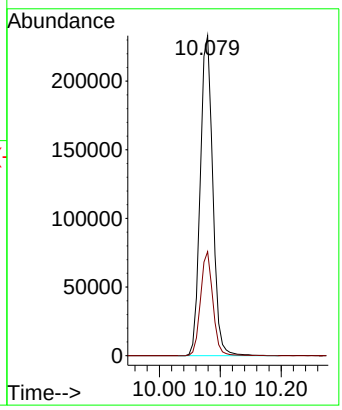


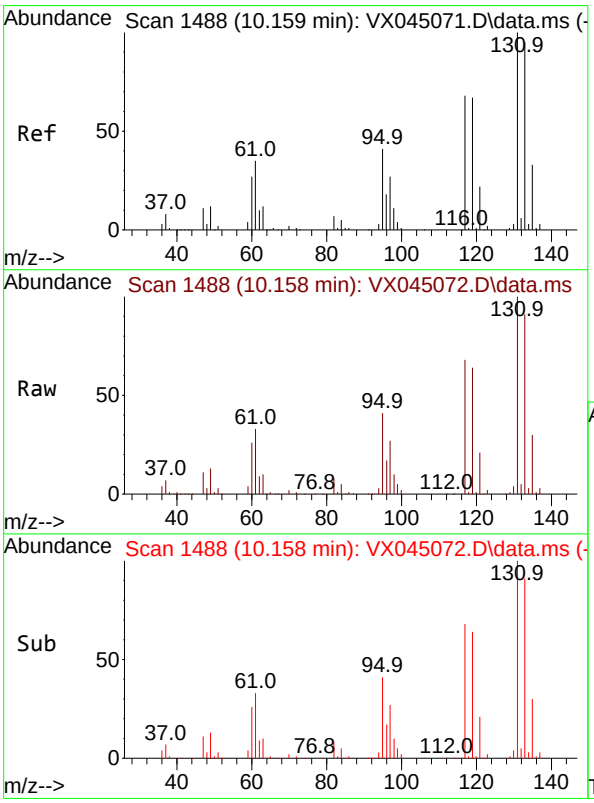
#65
Chlorobenzene
Concen: 102.456 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 332473

Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.0	39.0

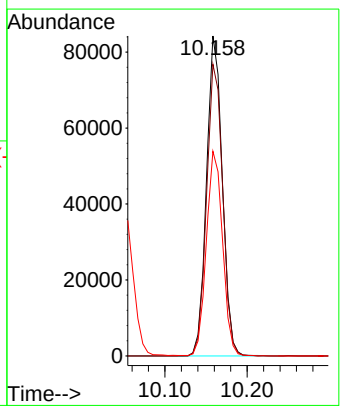


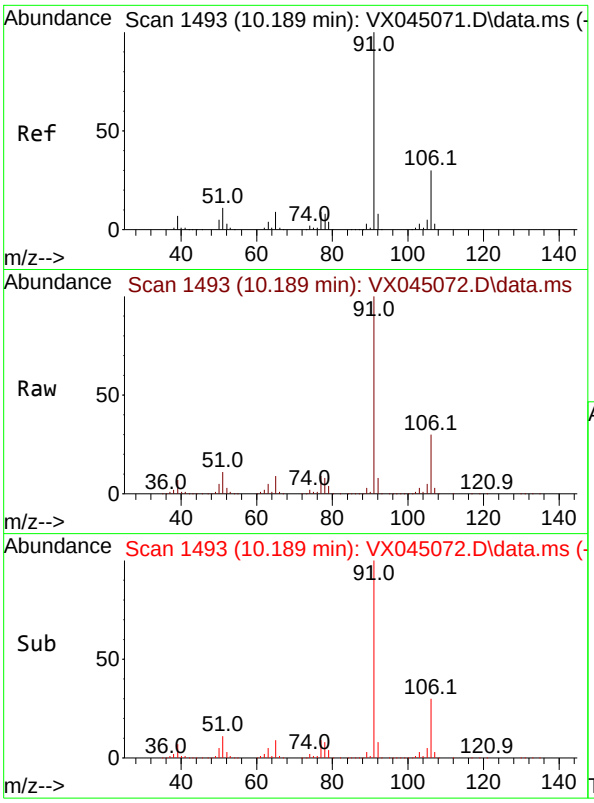


#66
1,1,1,2-Tetrachloroethane
Concen: 107.511 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



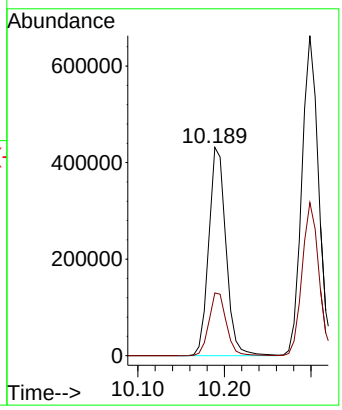


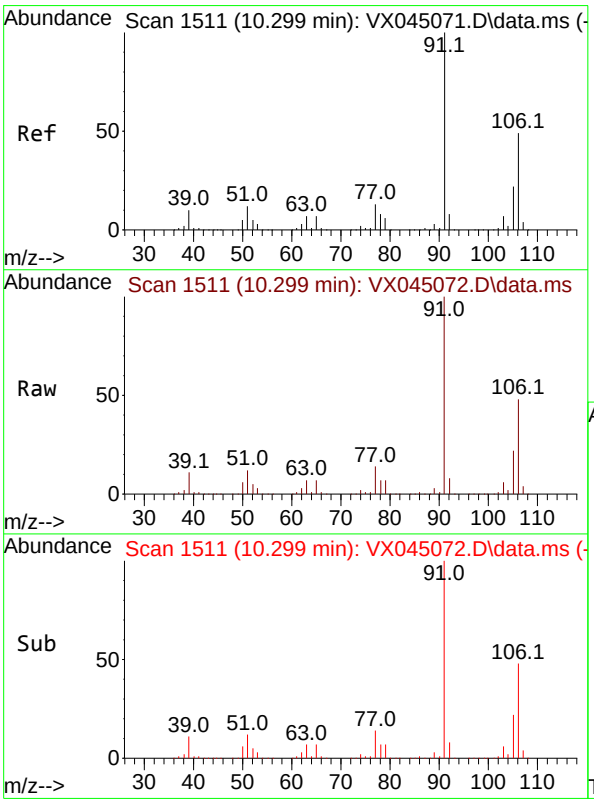
#67
Ethyl Benzene
Concen: 103.905 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 596257

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9

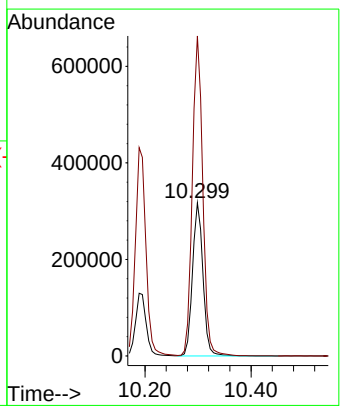


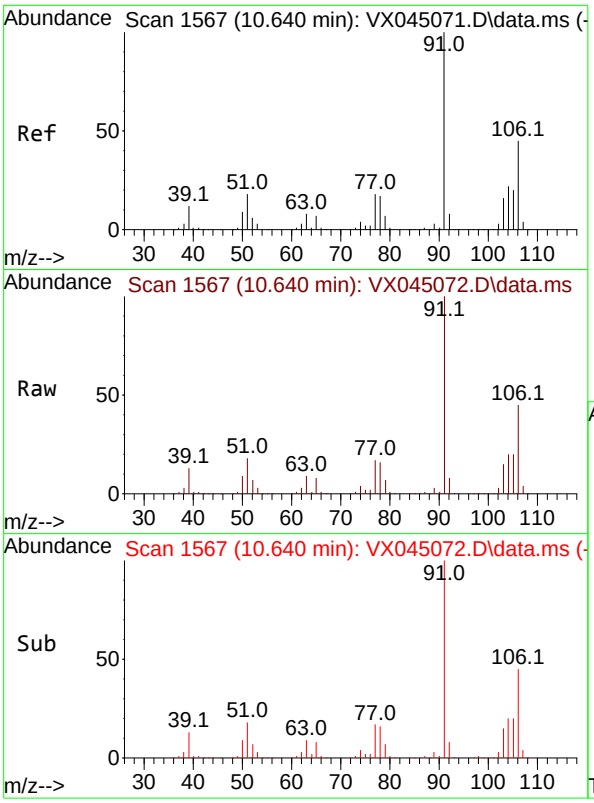


#68
m/p-Xylenes
Concen: 204.507 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:106 Resp: 432214

Ion	Ratio	Lower	Upper
106	100		
91	208.9	165.4	248.0



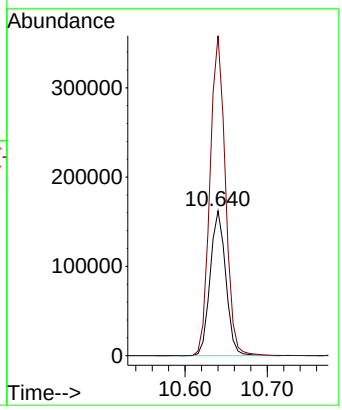


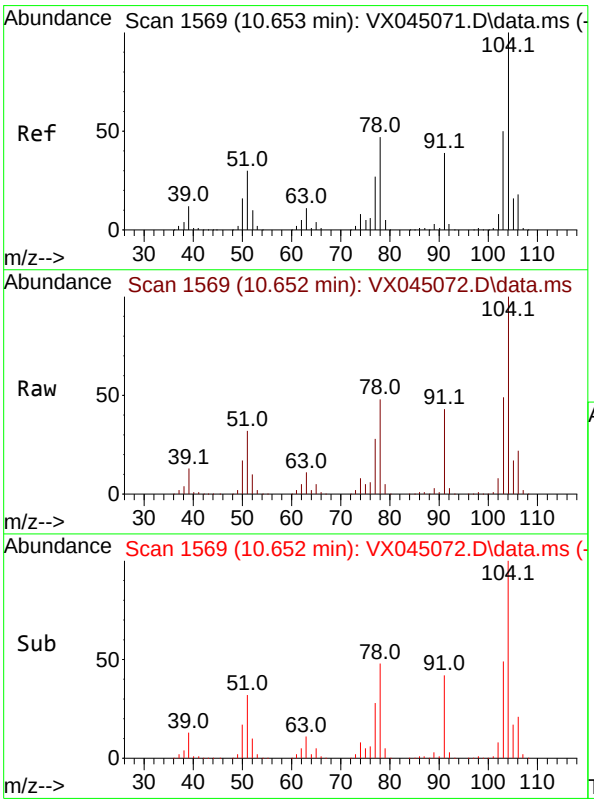
#69
o-Xylene
Concen: 100.849 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 213835

Ion	Ratio	Lower	Upper
106	100		
91	218.2	109.9	329.6

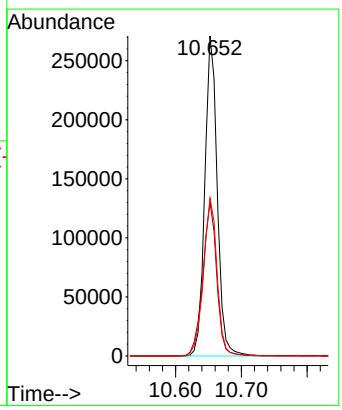


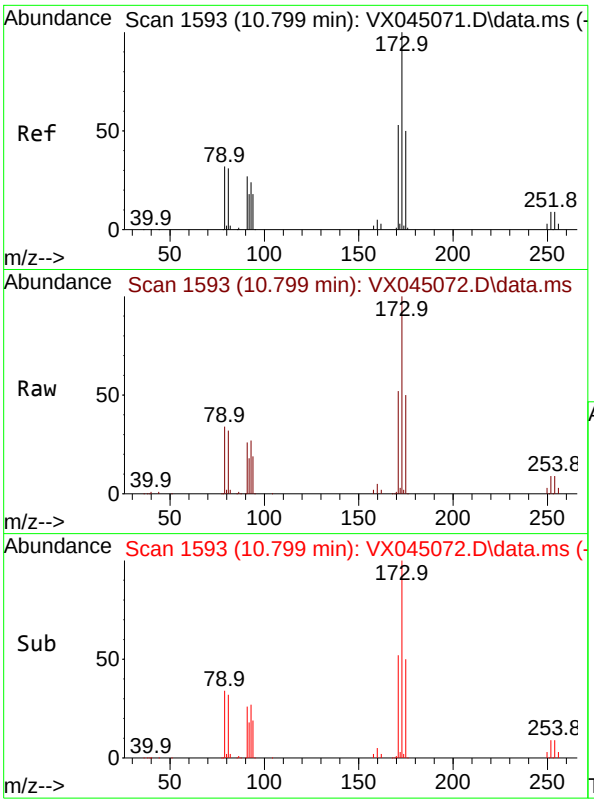


#70
Styrene
Concen: 104.948 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



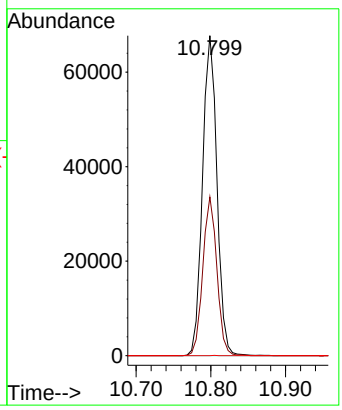


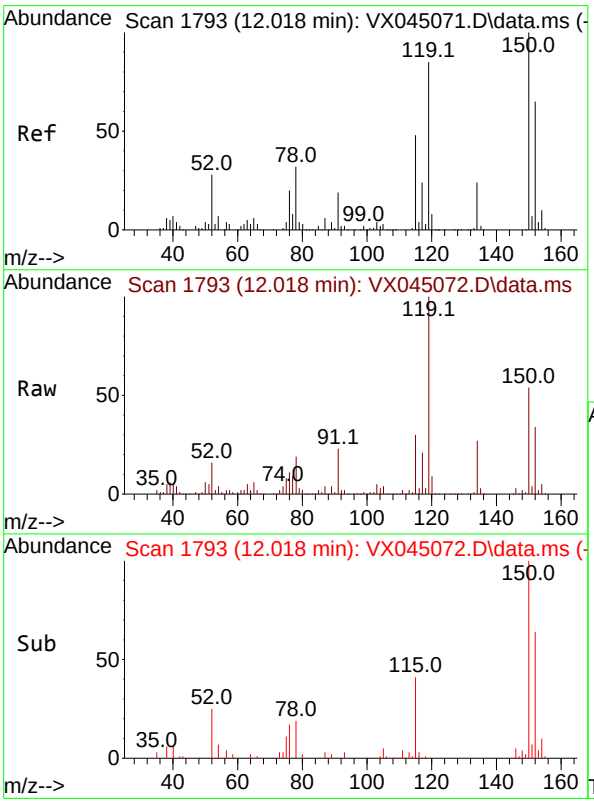
#71
Bromoform
Concen: 116.751 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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#

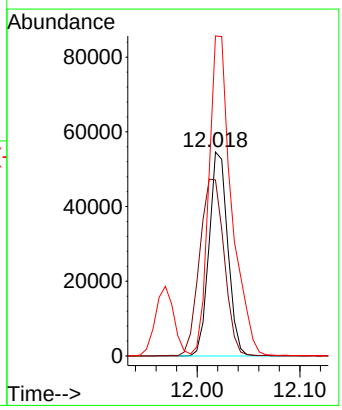


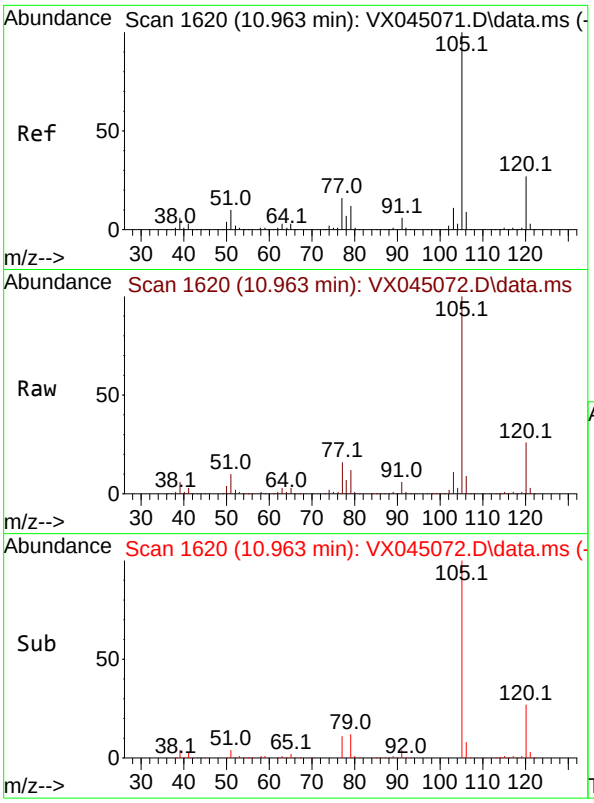


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



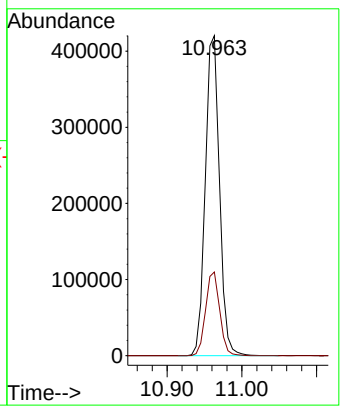


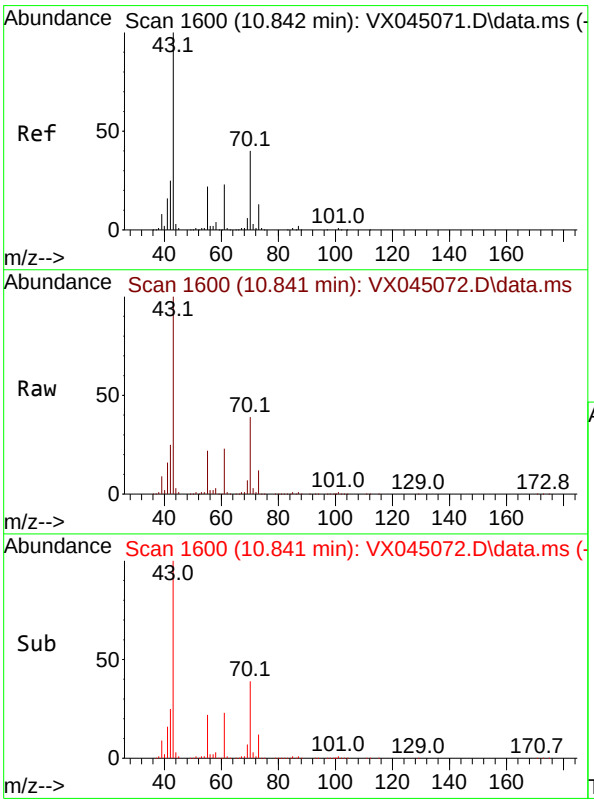
#73
Isopropylbenzene
Concen: 99.138 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 553533

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

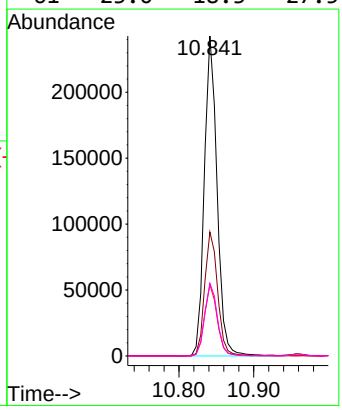


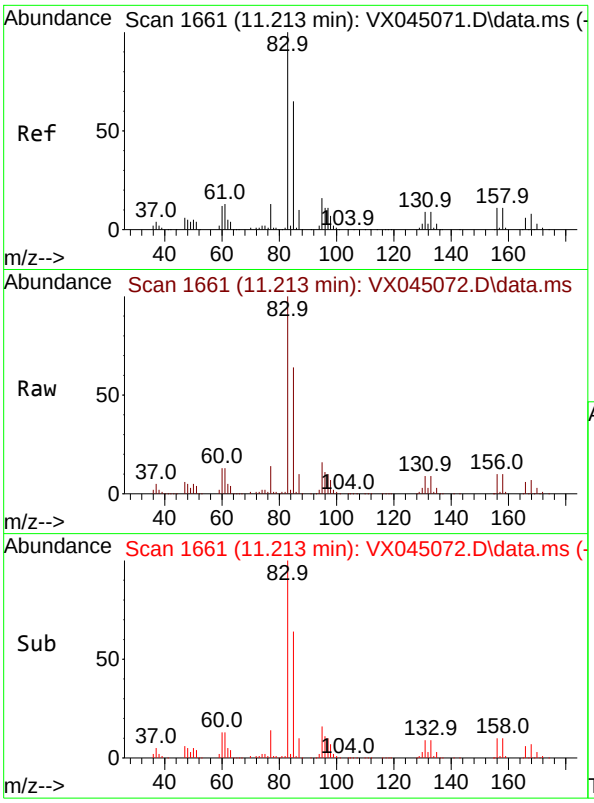


#74
N-amyl acetate
Concen: 113.277 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



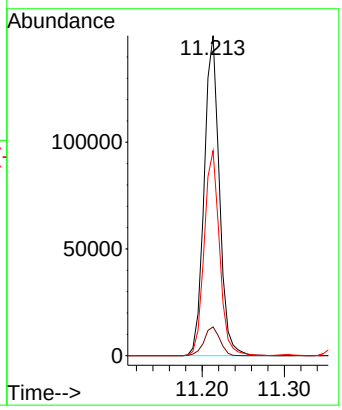


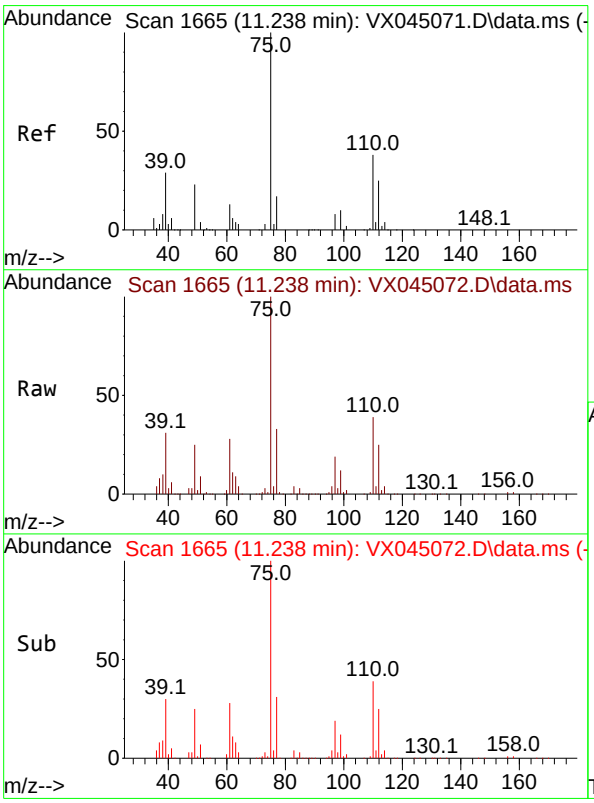
#75
1,1,2,2-Tetrachloroethane
Concen: 99.923 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

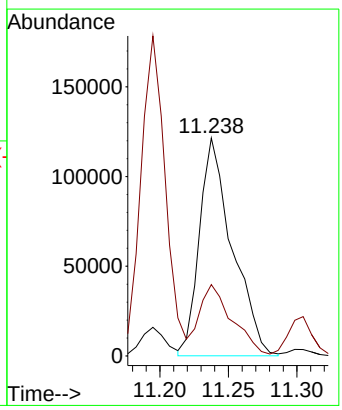


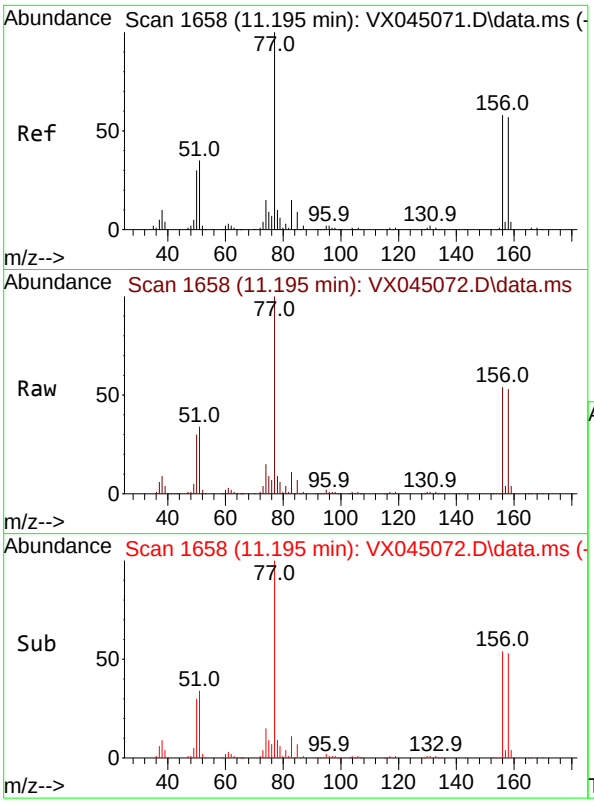


#76
1,2,3-Trichloropropane
Concen: 131.738 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 75 Resp: 203020

Ion	Ratio	Lower	Upper
75	100		
77	32.9	20.7	62.1



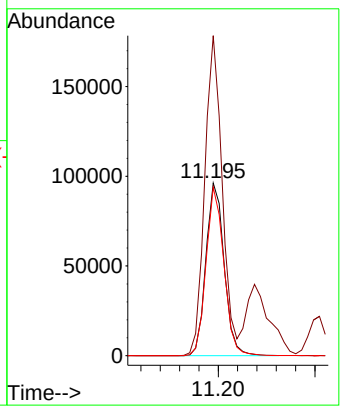


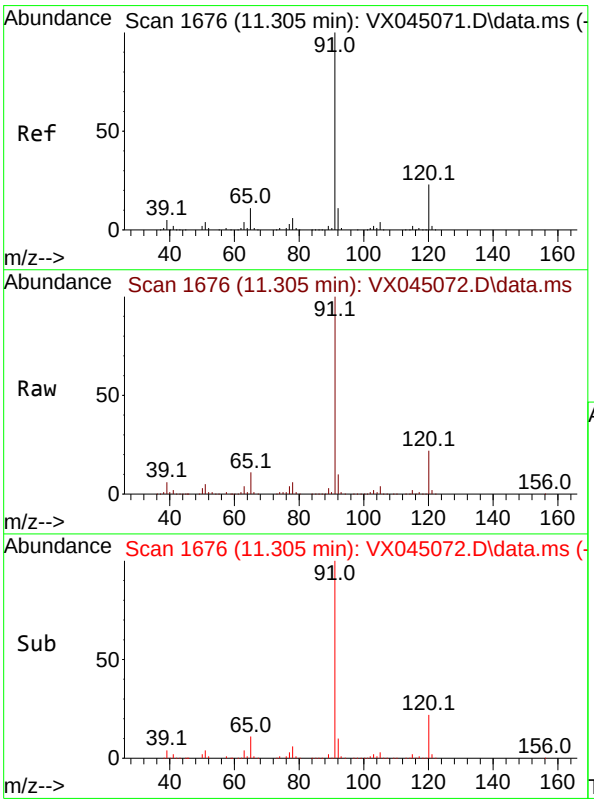
#77
Bromobenzene
Concen: 99.175 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

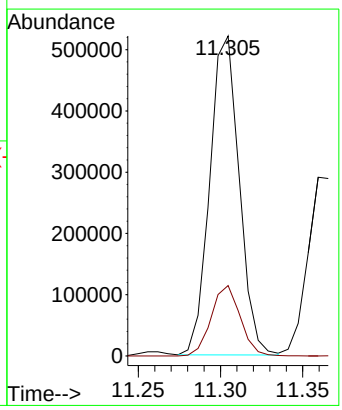


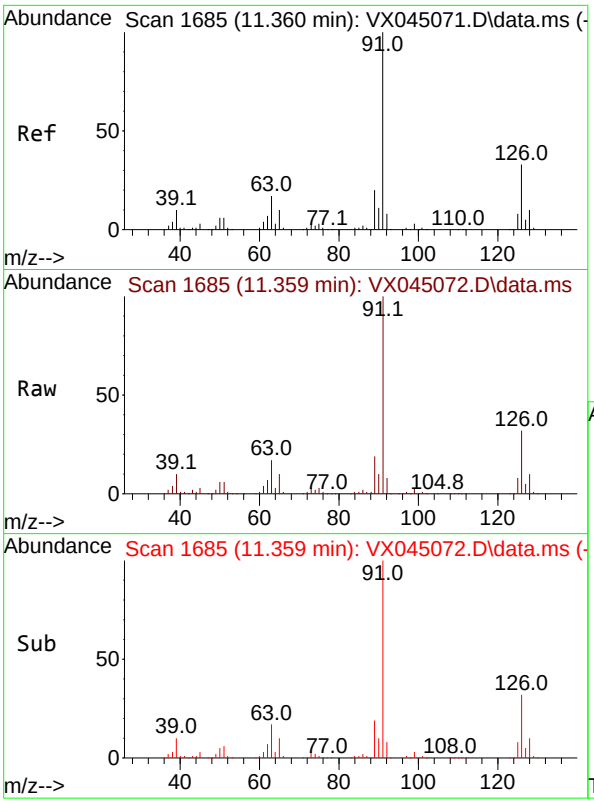


#78
n-propylbenzene
Concen: 100.758 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 648835

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



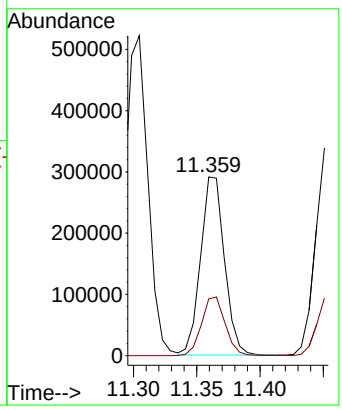


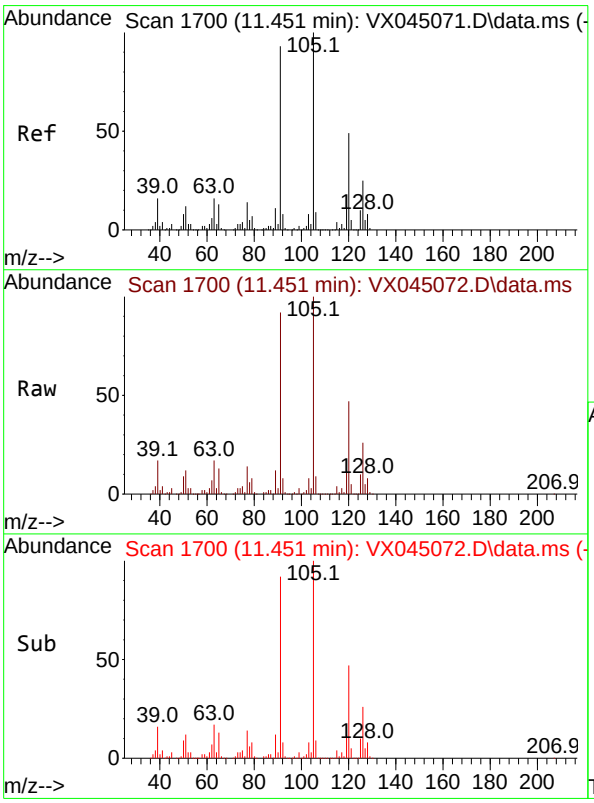
#79
2-Chlorotoluene
Concen: 96.825 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 382703

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

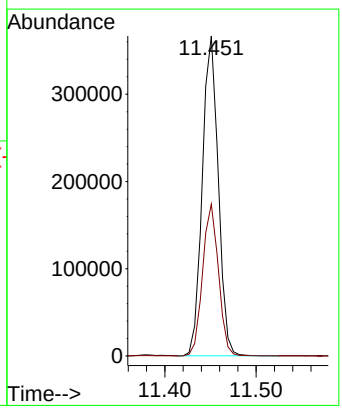


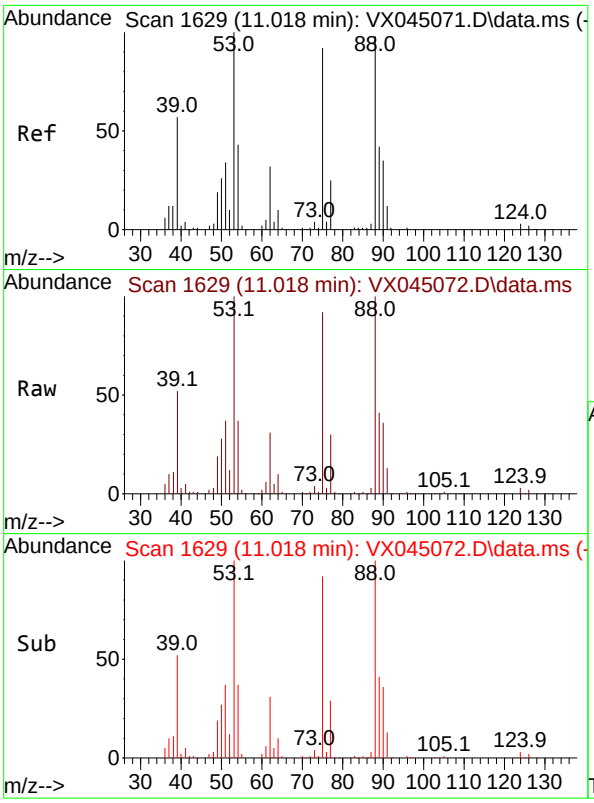


#80
1,3,5-Trimethylbenzene
Concen: 98.356 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 445466

Ion	Ratio	Lower	Upper
105	100		
120	47.1	24.1	72.2



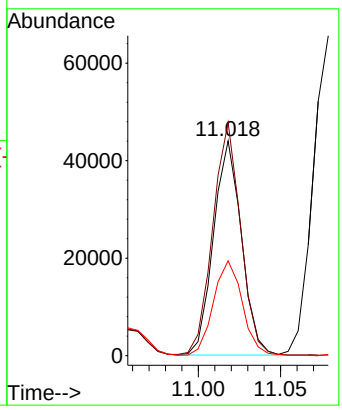


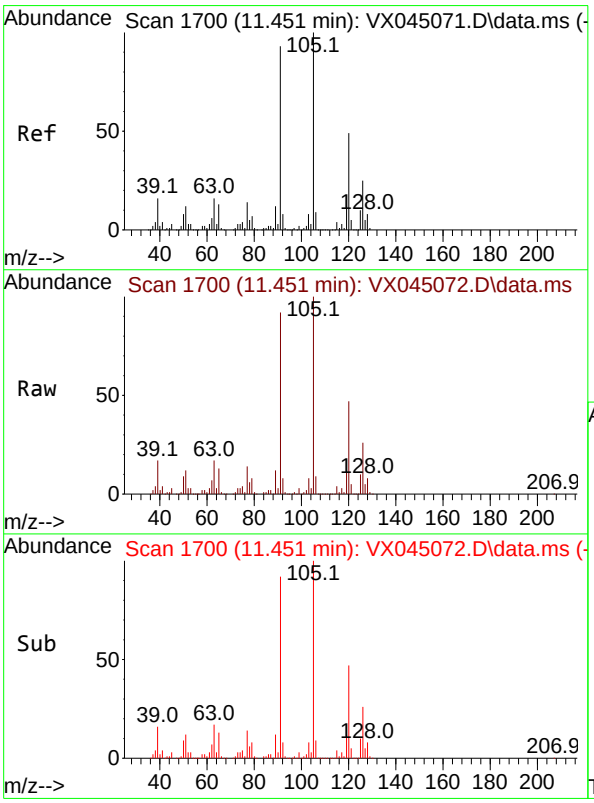
#81
trans-1,4-Dichloro-2-butene
Concen: 91.460 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

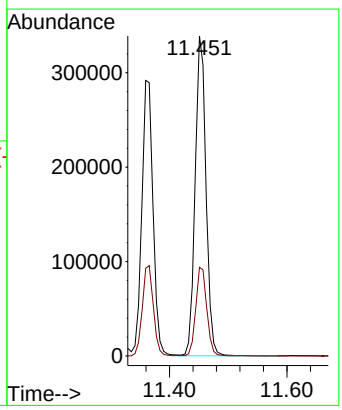


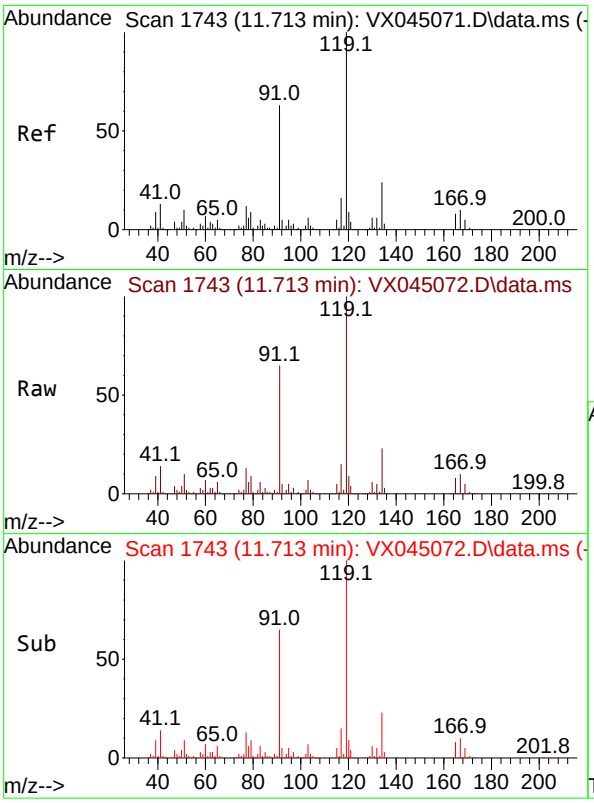


#82
4-Chlorotoluene
Concen: 99.168 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion: 91 Resp: 433881

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.4



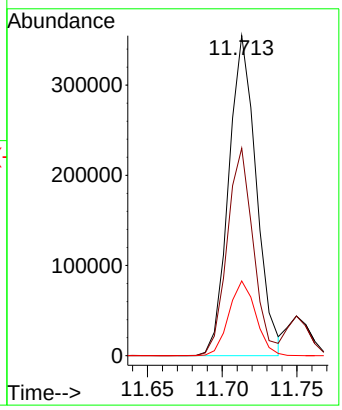


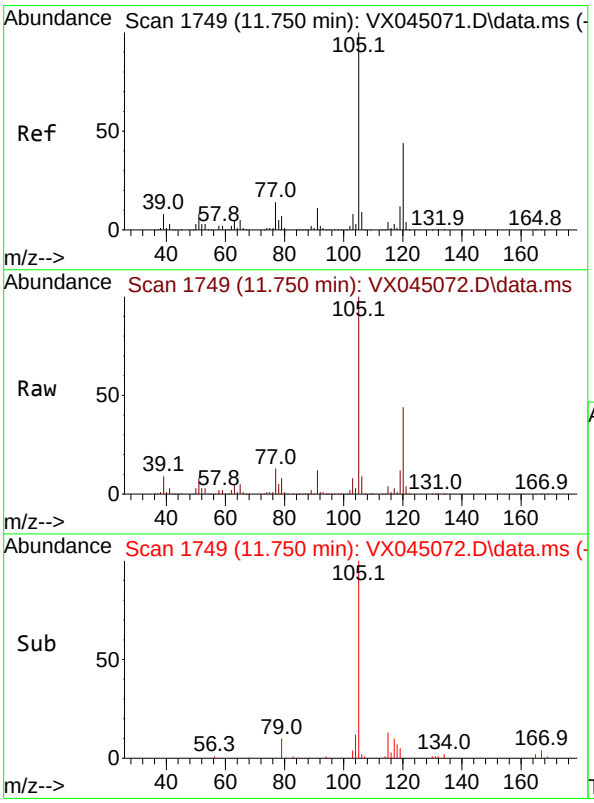
#83
tert-Butylbenzene
Concen: 99.288 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

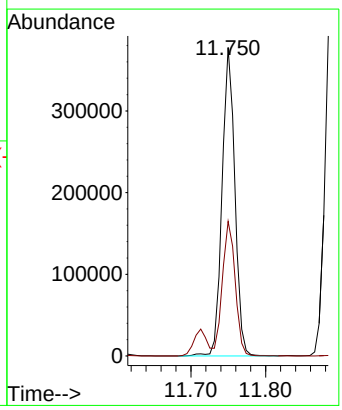


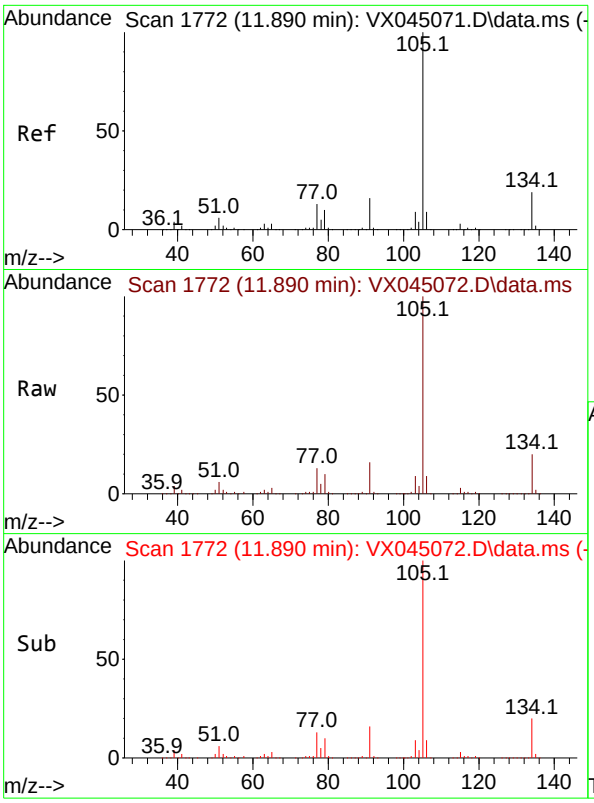


#84
1,2,4-Trimethylbenzene
Concen: 100.926 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:105 Resp: 450108

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.1	66.1



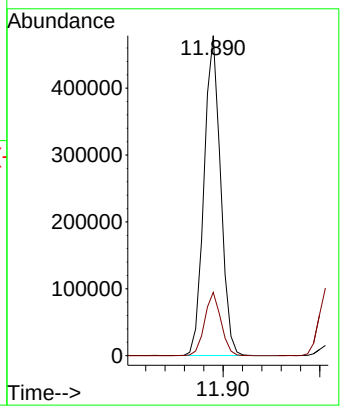


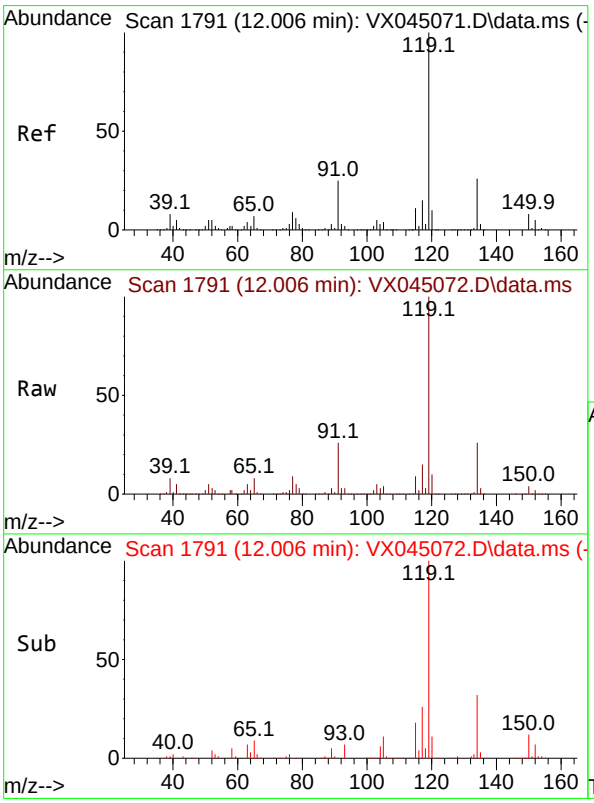
#85
sec-Butylbenzene
Concen: 100.517 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 570006

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

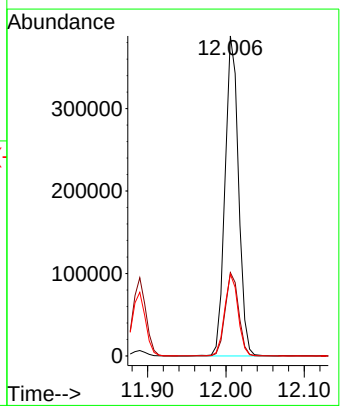


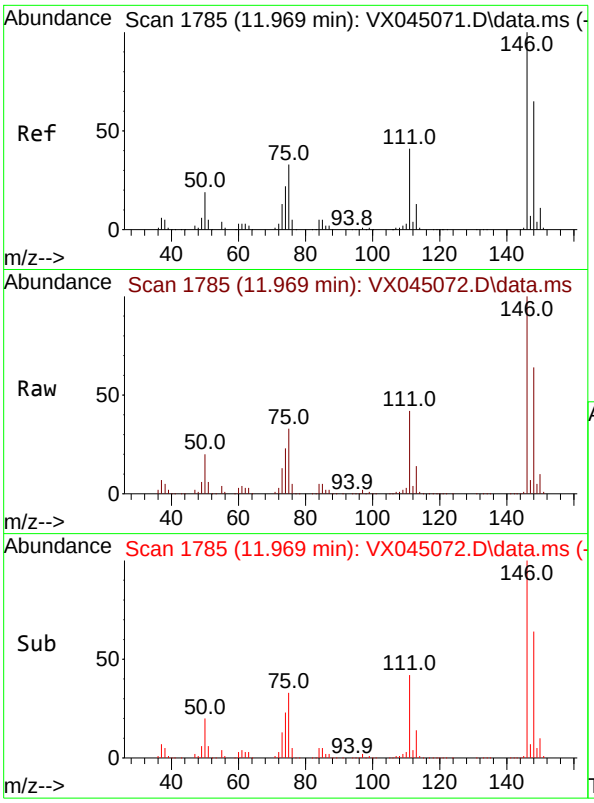


#86
p-Isopropyltoluene
Concen: 102.252 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



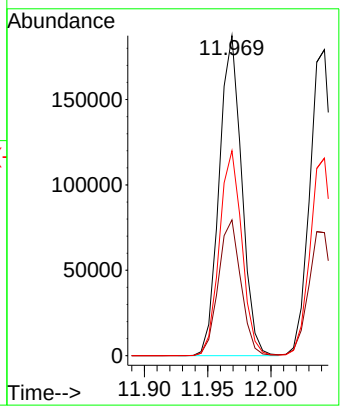


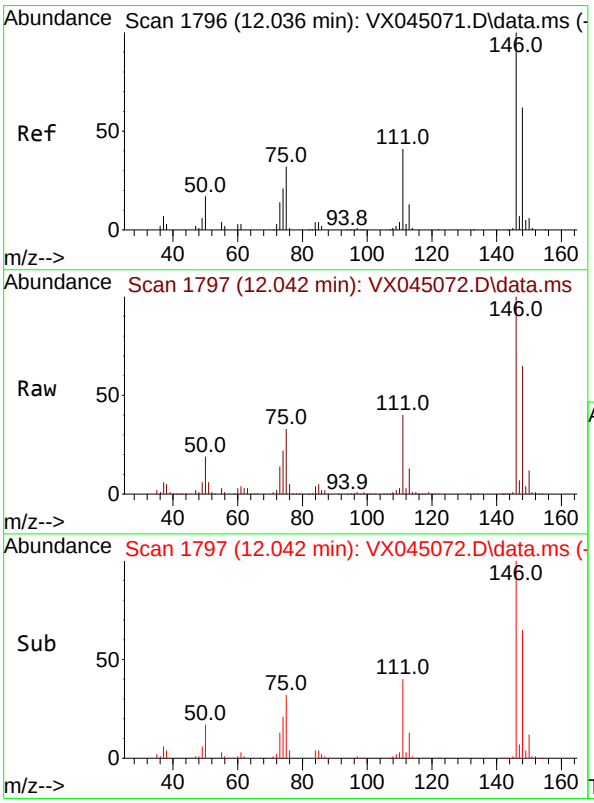
#87
1,3-Dichlorobenzene
Concen: 99.903 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

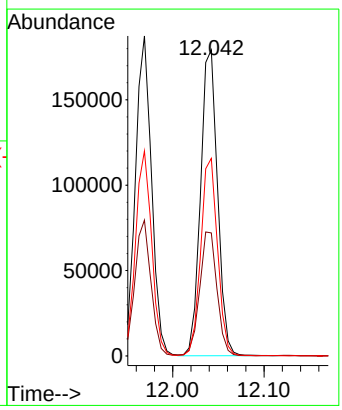


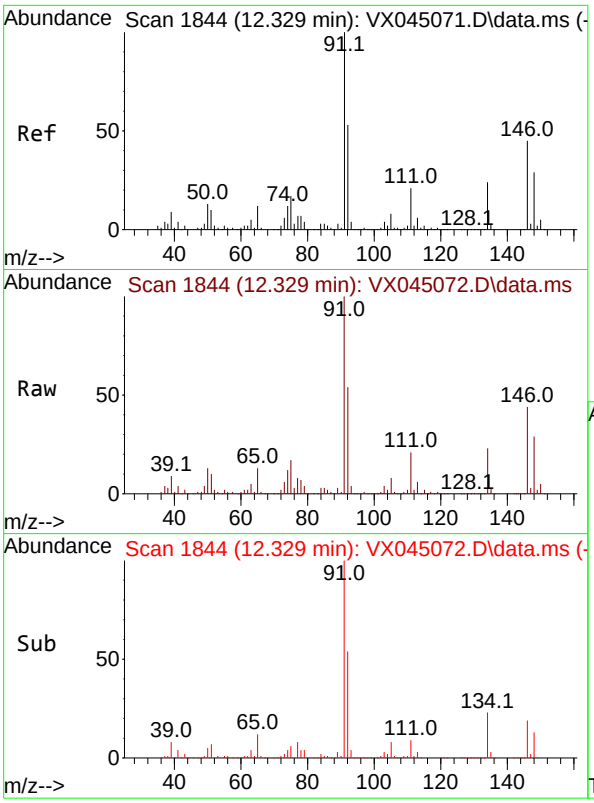


#88
1,4-Dichlorobenzene
Concen: 98.355 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



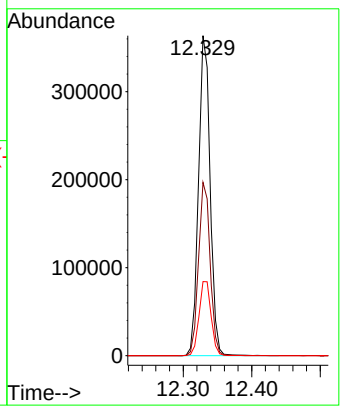


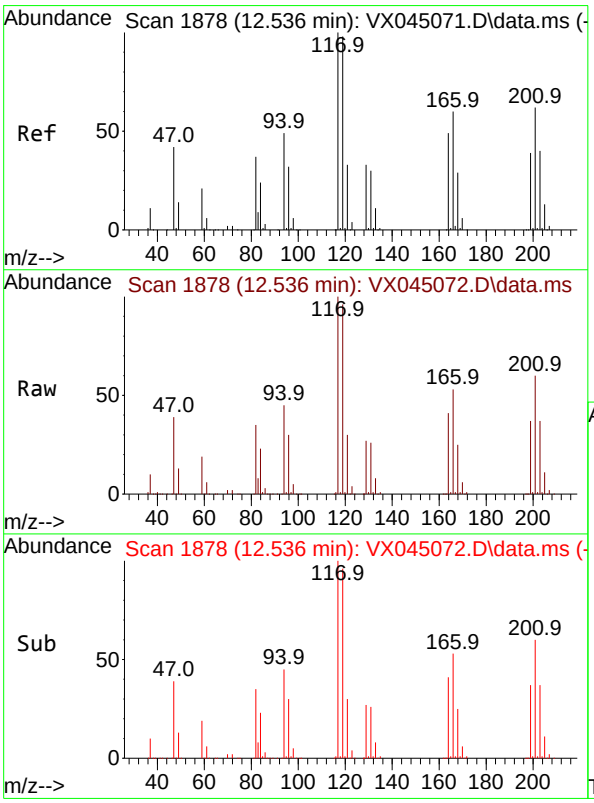
#89
n-Butylbenzene
Concen: 107.000 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

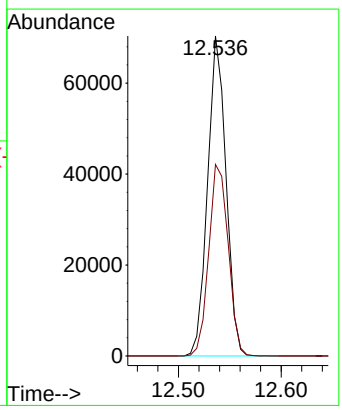


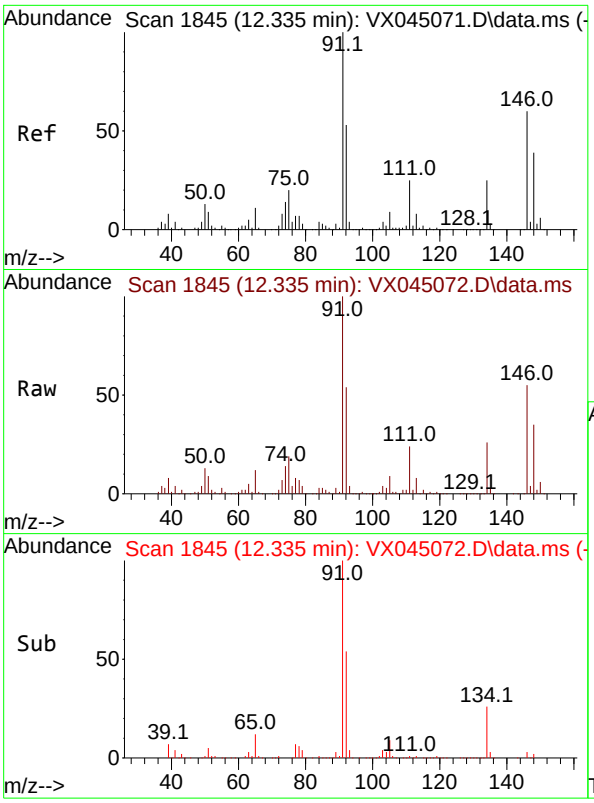


#90
Hexachloroethane
Concen: 102.980 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

Tgt Ion:117 Resp: 87448

Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.9



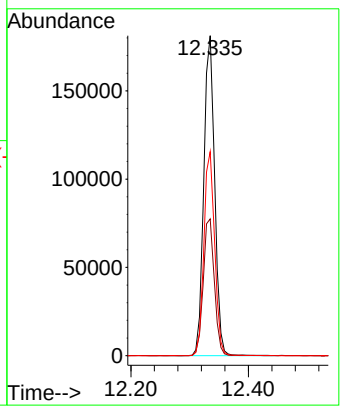


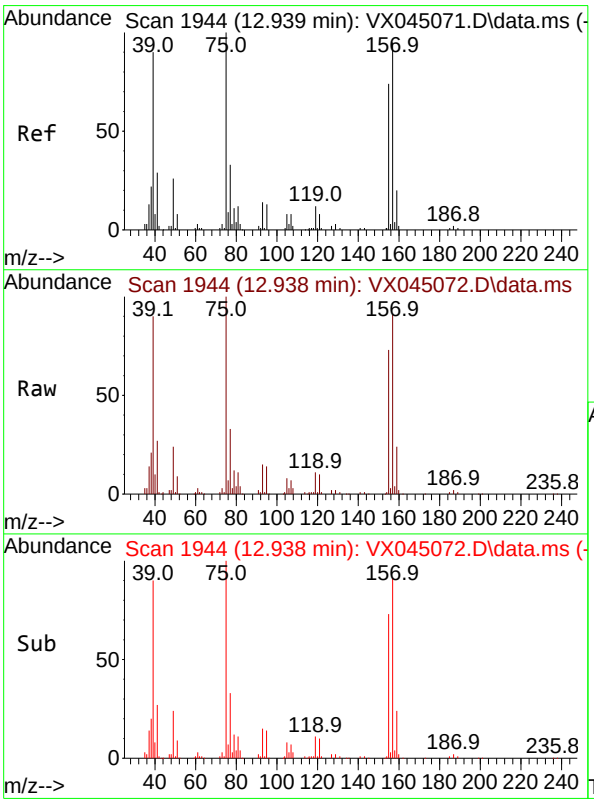
#91
1,2-Dichlorobenzene
Concen: 102.254 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

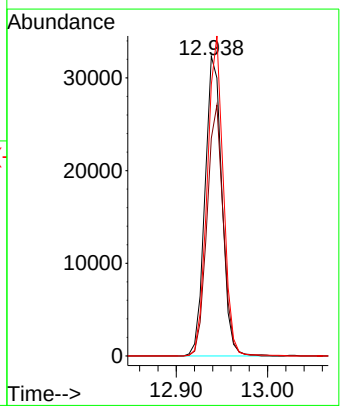


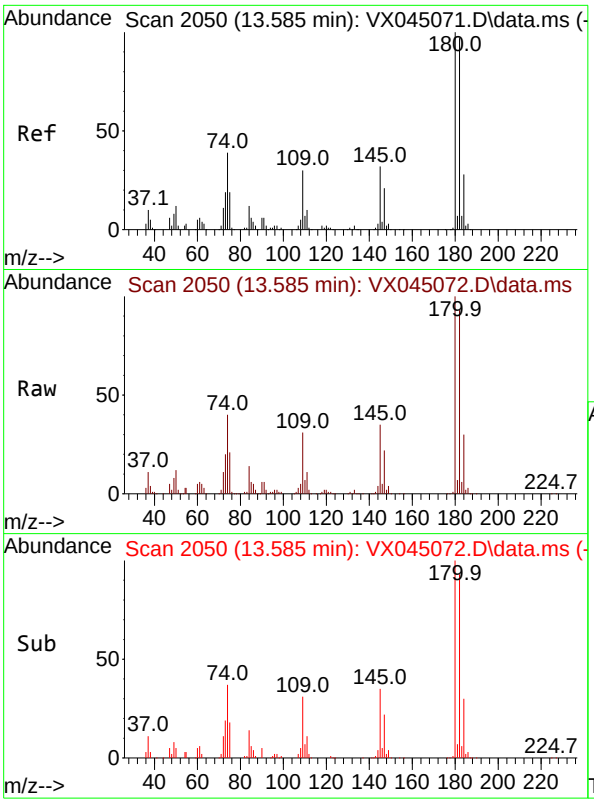


#92
1,2-Dibromo-3-Chloropropane
Concen: 116.296 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



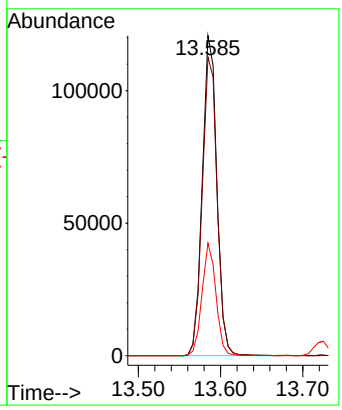


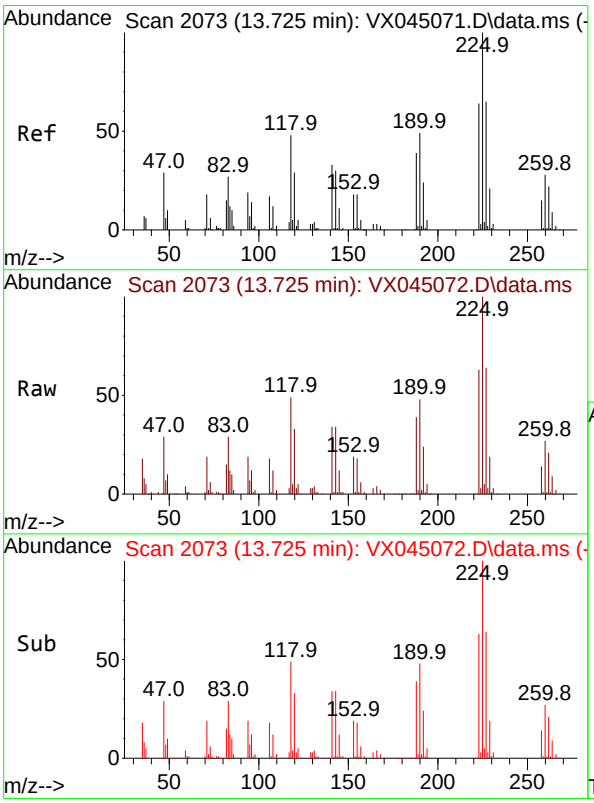
#93
1,2,4-Trichlorobenzene
Concen: 107.648 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

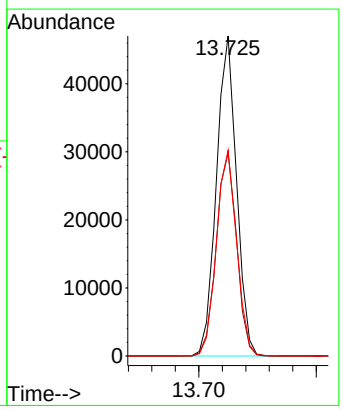


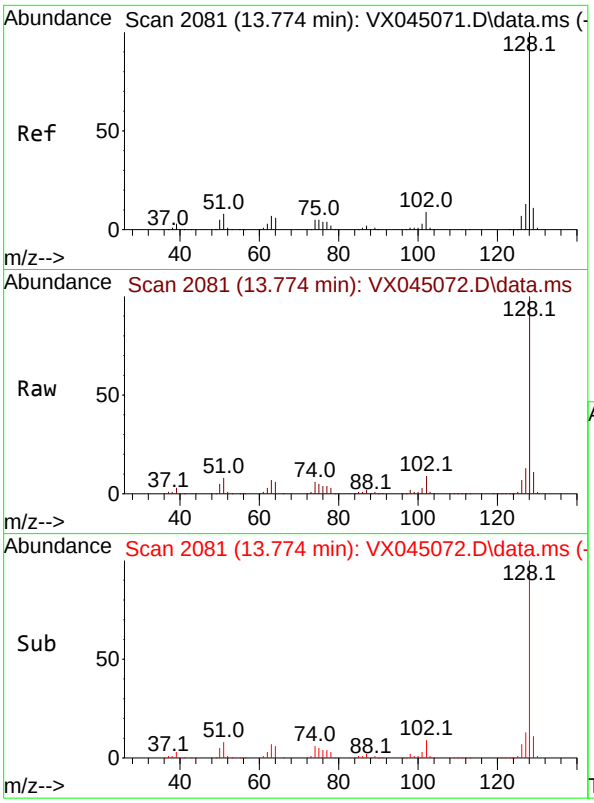


#94
Hexachlorobutadiene
Concen: 102.019 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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



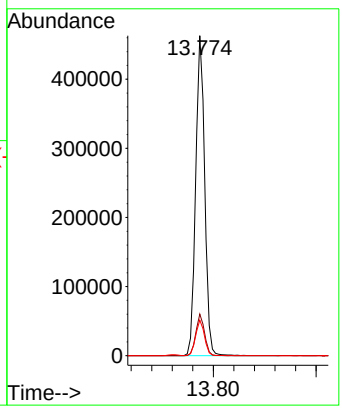


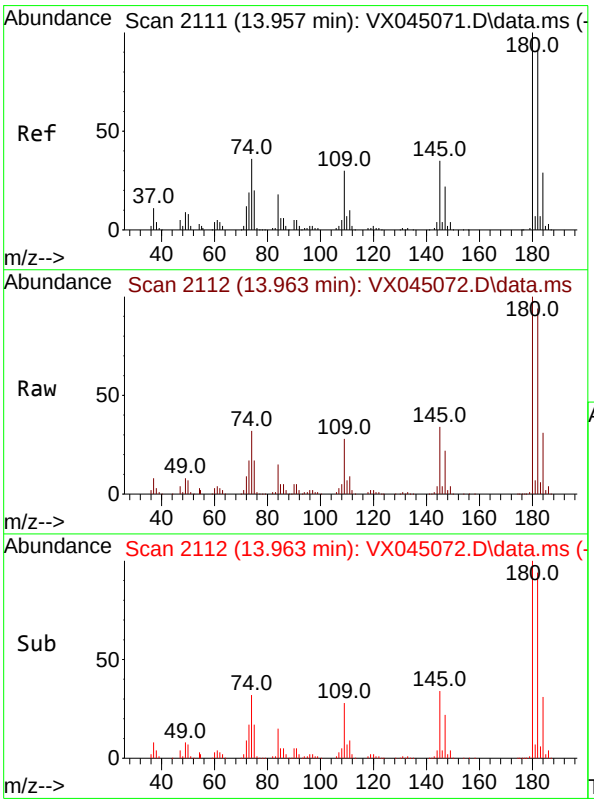
#95
Naphthalene
Concen: 112.593 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

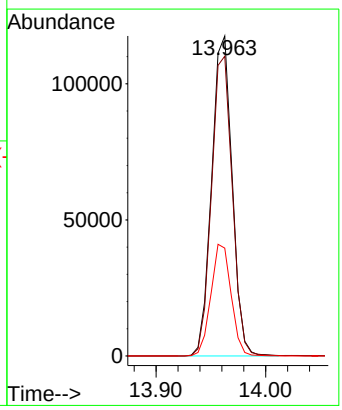




#96
1,2,3-Trichlorobenzene
Concen: 109.554 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045072.D
Acq: 28 Feb 2025 03:23

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

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)

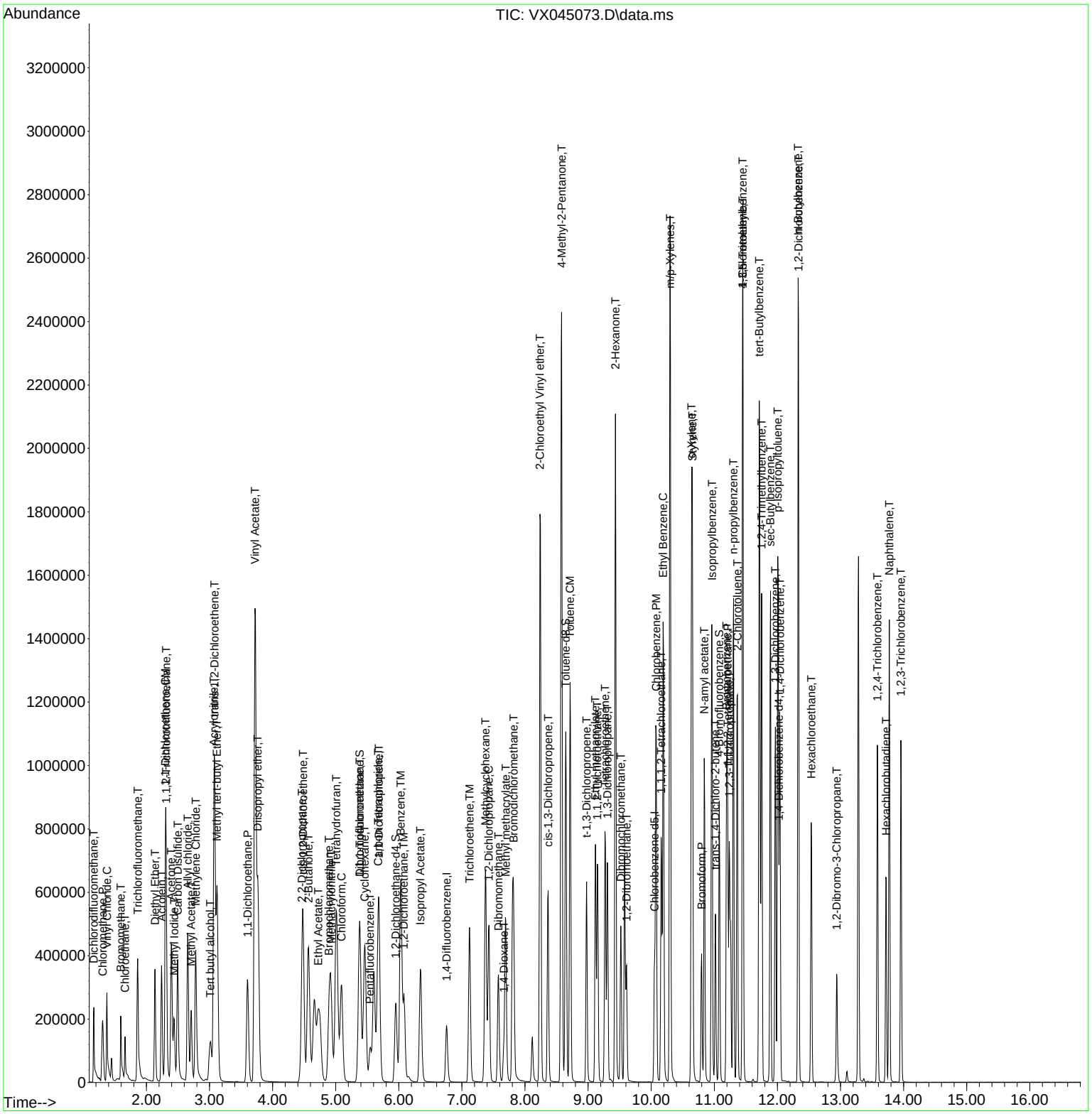
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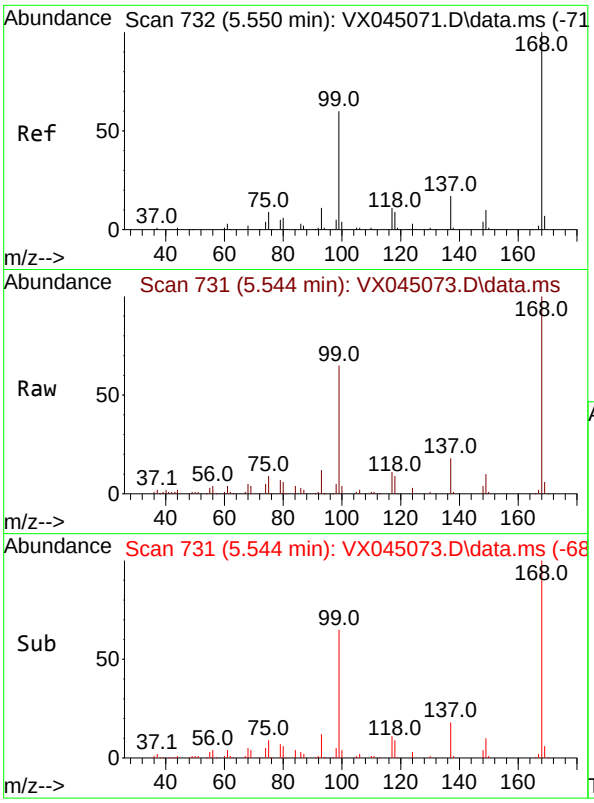
Quantitation Report (Not Reviewed)

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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



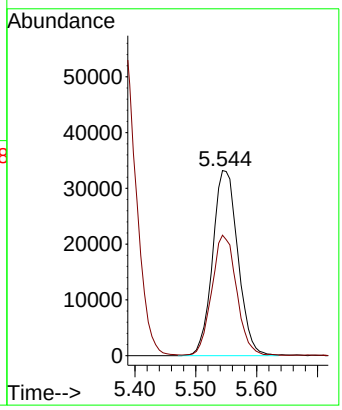


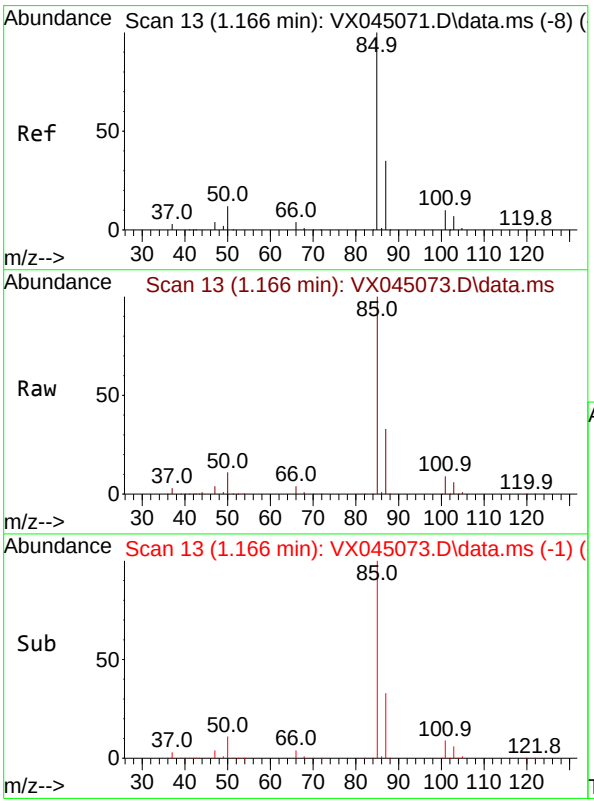
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 95754

Ion	Ratio	Lower	Upper
168	100		
99	64.8	48.2	72.4

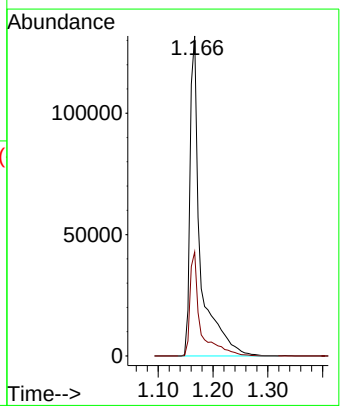


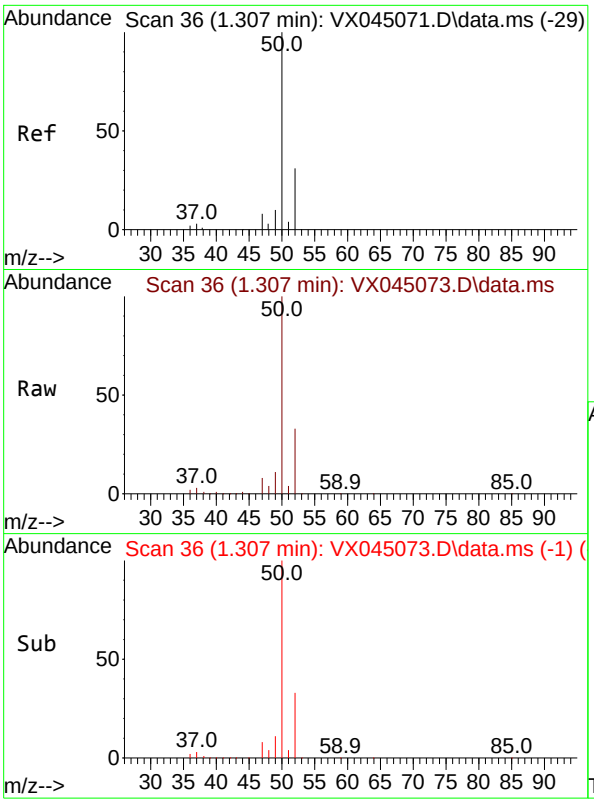


#2
Dichlorodifluoromethane
Concen: 132.067 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 85 Resp: 174297

Ion	Ratio	Lower	Upper
85	100		
87	32.5	17.4	52.3



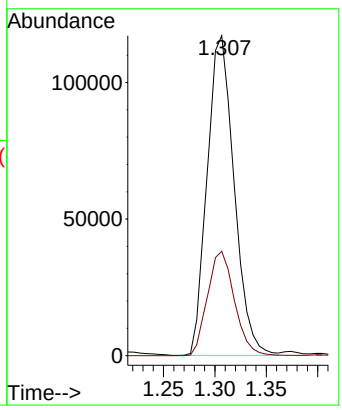


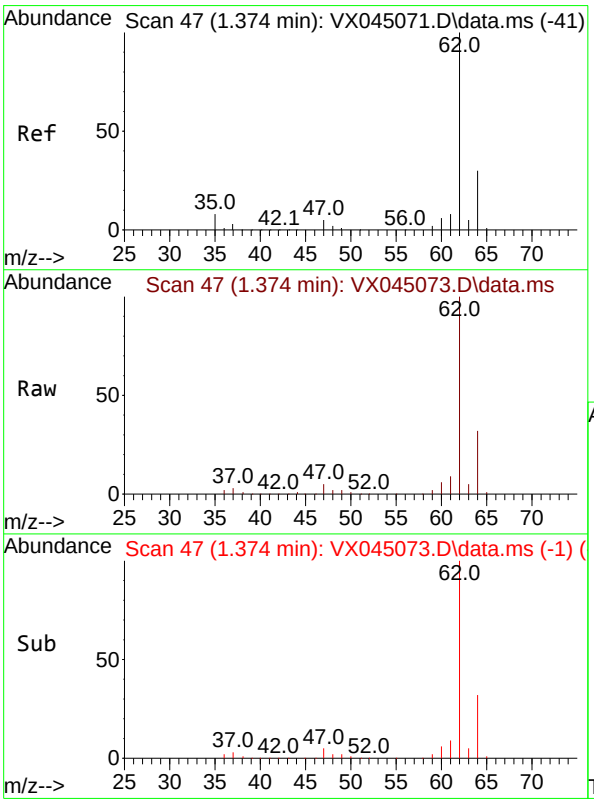
#3
Chloromethane
Concen: 133.072 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 213704

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.0	37.4

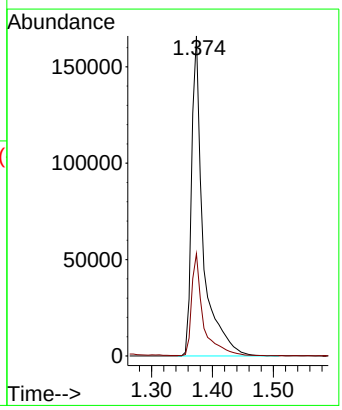


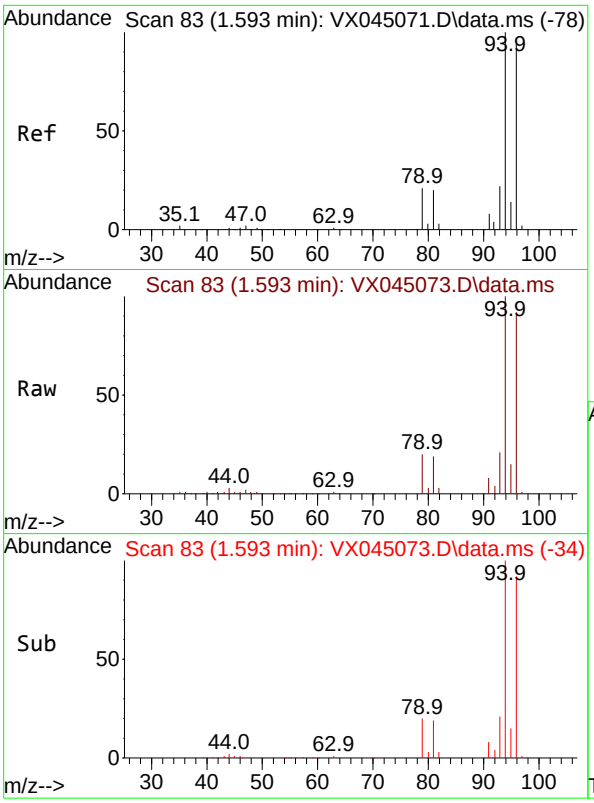


#4
Vinyl Chloride
Concen: 138.774 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 217672

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.3	36.5



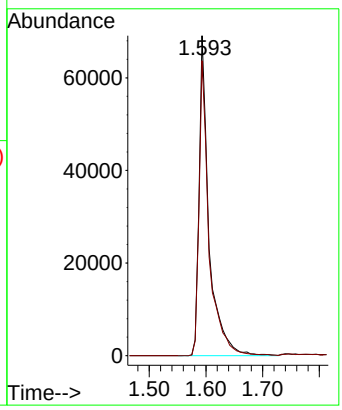


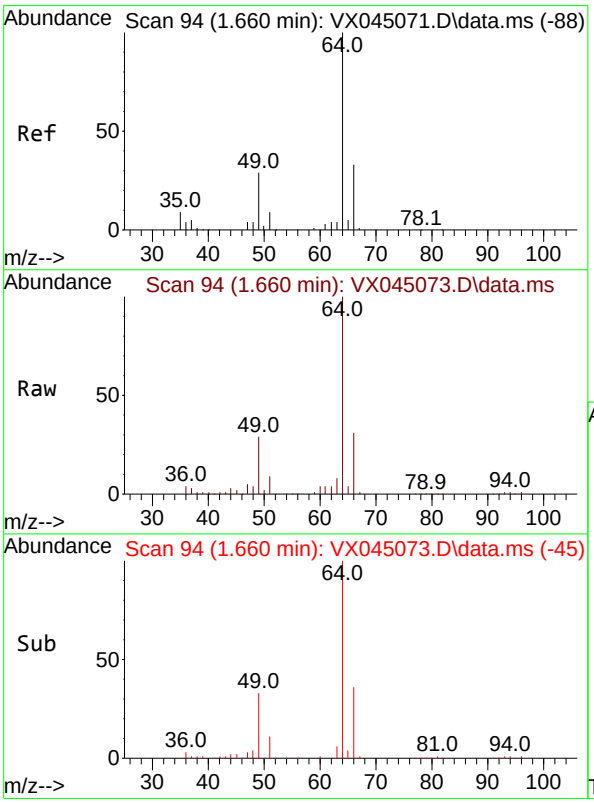
#5
Bromomethane
Concen: 170.379 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 83547

Ion	Ratio	Lower	Upper
94	100		
96	92.2	75.0	112.4

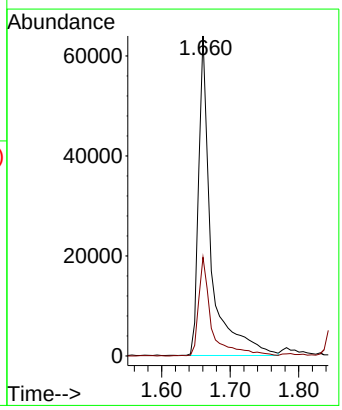


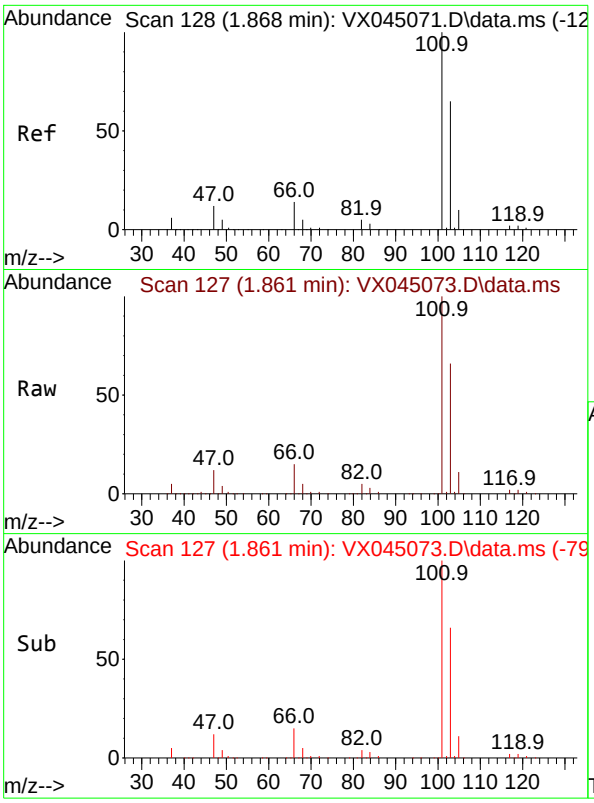


#6
Chloroethane
Concen: 137.509 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 64 Resp: 82101

Ion	Ratio	Lower	Upper
64	100		
66	30.8	26.7	40.1



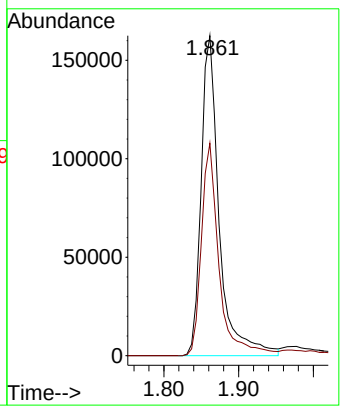


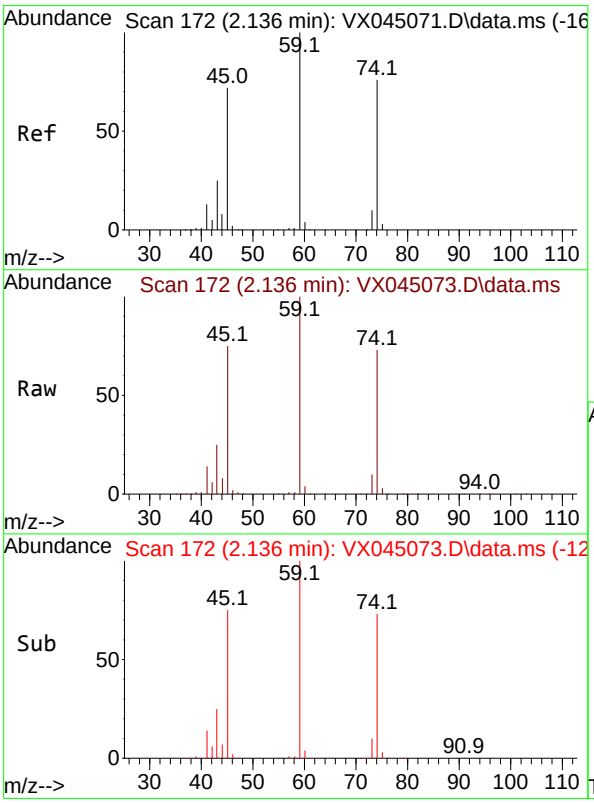
#7
Trichlorofluoromethane
Concen: 135.494 ug/l
RT: 1.861 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 272235

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1

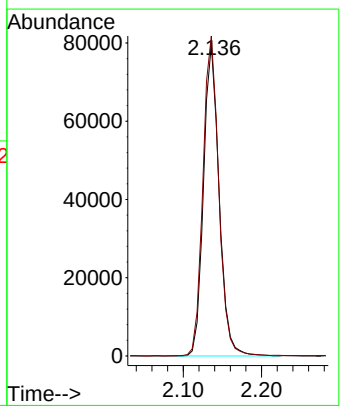


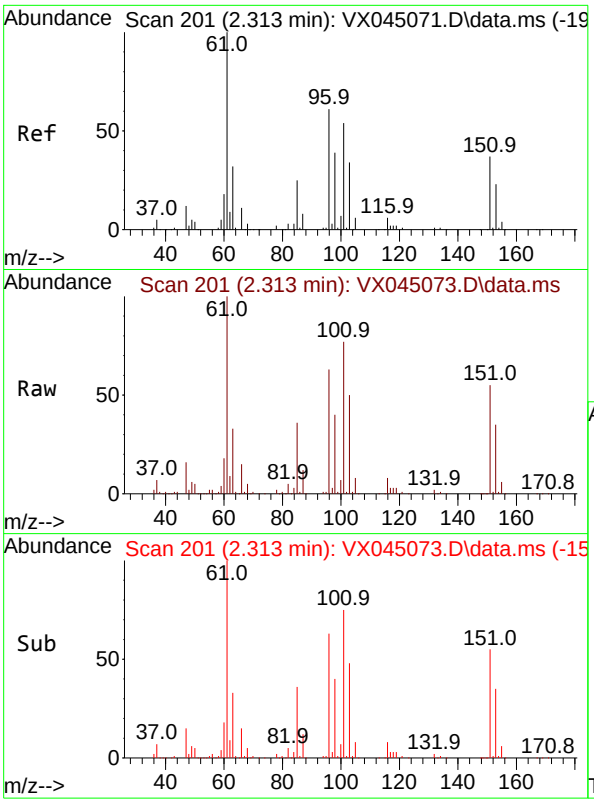


#8
Diethyl Ether
Concen: 150.660 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 74 Resp: 110005

Ion	Ratio	Lower	Upper
74	100		
45	104.9	51.5	154.5



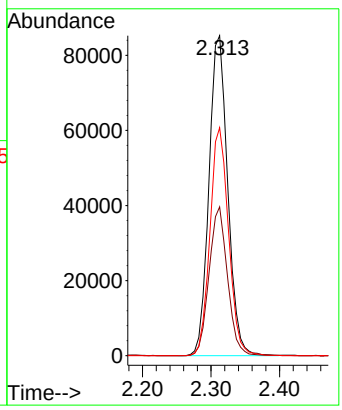


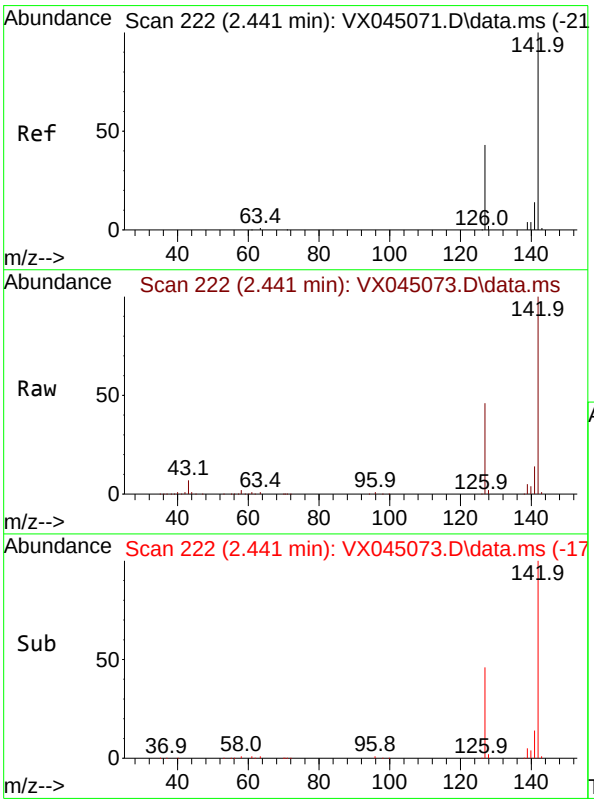
#9
1,1,2-Trichlorotrifluoroethane
Concen: 134.877 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

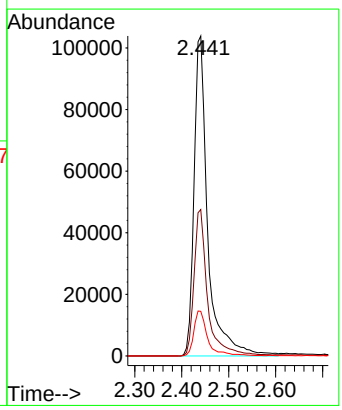


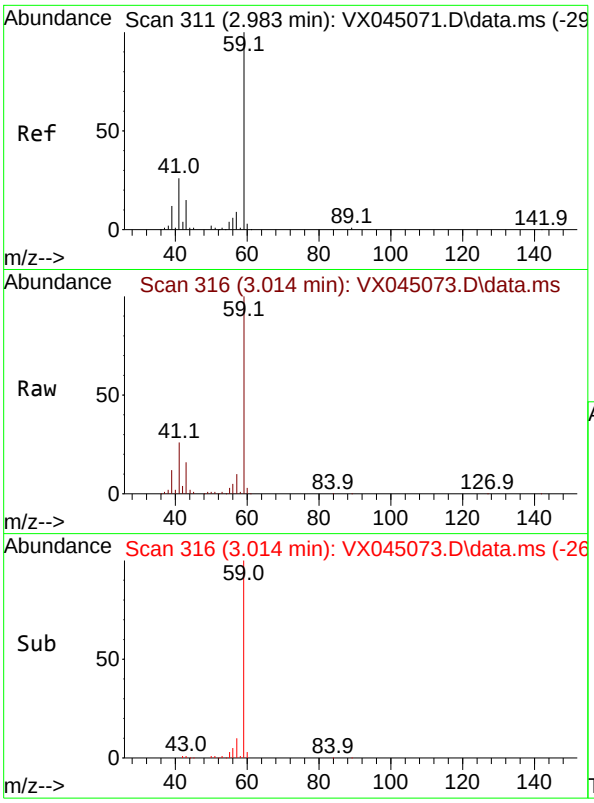


#10
Methyl Iodide
Concen: 138.059 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



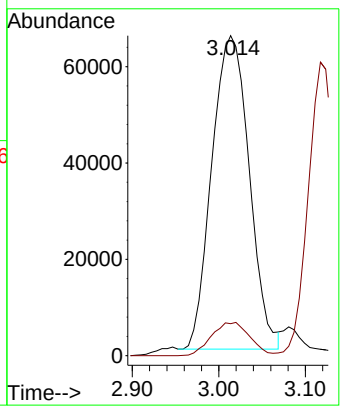


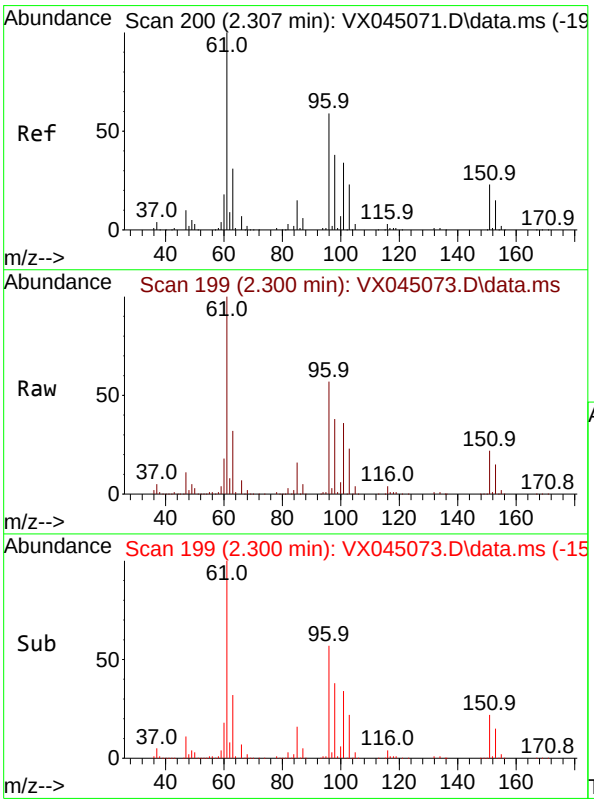
#11
Tert butyl alcohol
Concen: 754.176 ug/l
RT: 3.014 min Scan# 3
Delta R.T. 0.030 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 195415

Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.8	11.8

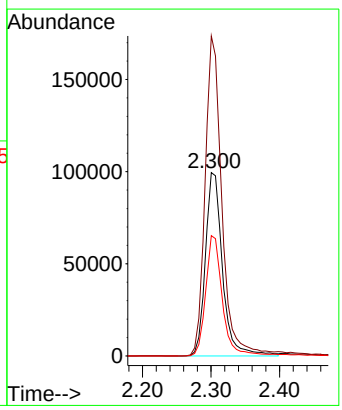


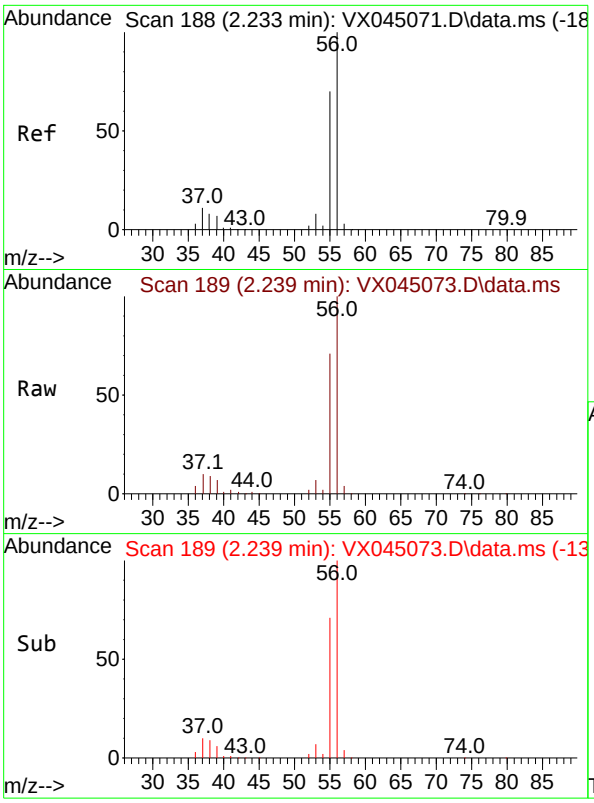


#12
1,1-Dichloroethene
Concen: 140.655 ug/l
RT: 2.300 min Scan# 199
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



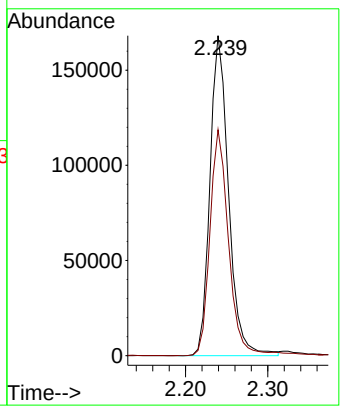


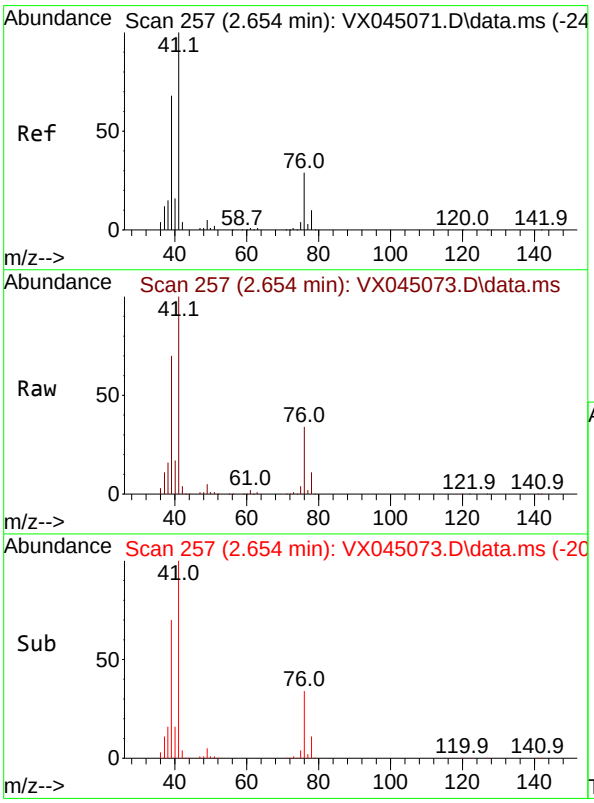
#13
Acrolein
Concen: 940.846 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 263999

Ion	Ratio	Lower	Upper
56	100		
55	71.6	56.2	84.4

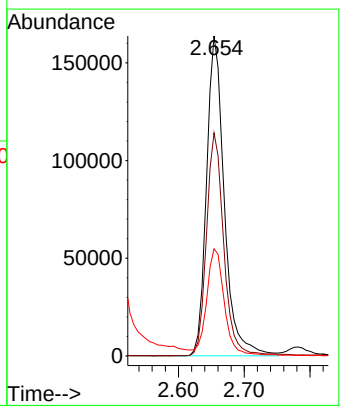


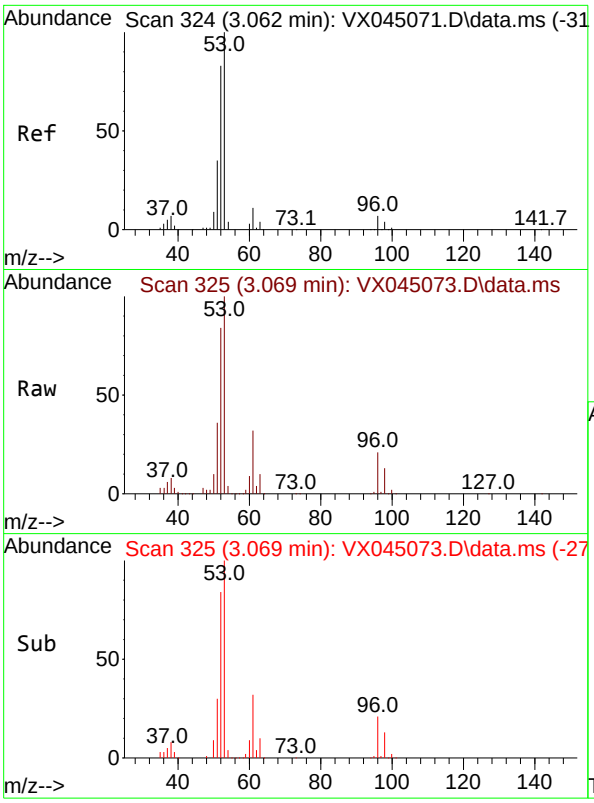


#14
Allyl chloride
Concen: 139.077 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



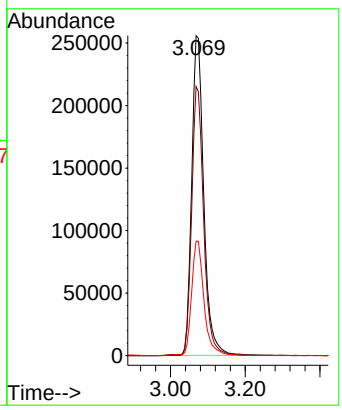


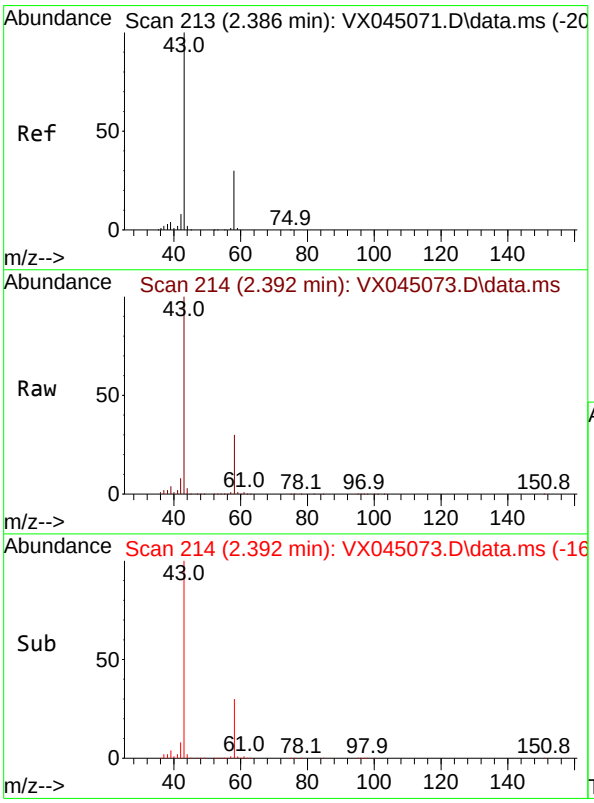
#15
Acrylonitrile
Concen: 813.990 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

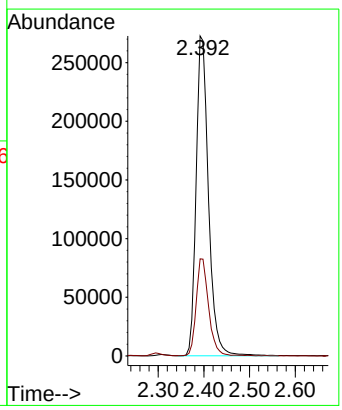


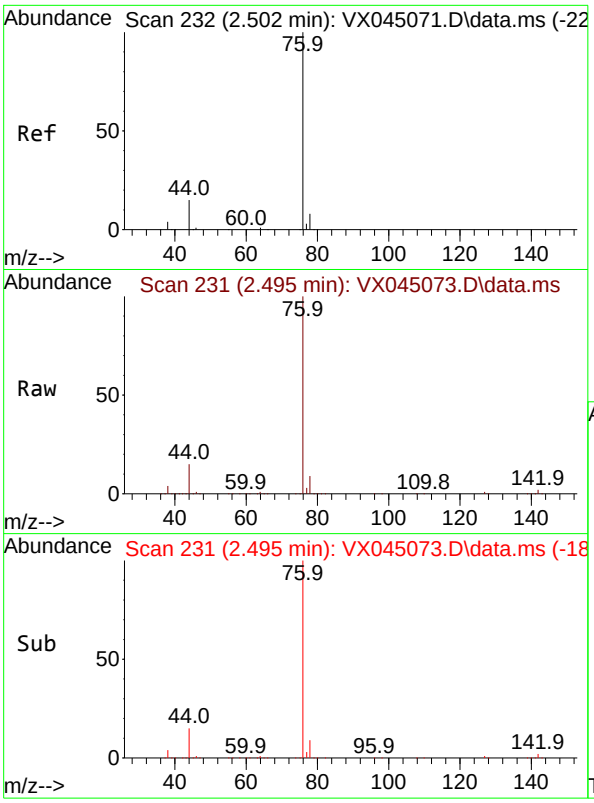


#16
Acetone
Concen: 879.387 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 511828

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4



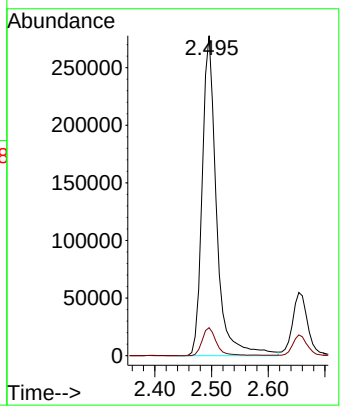


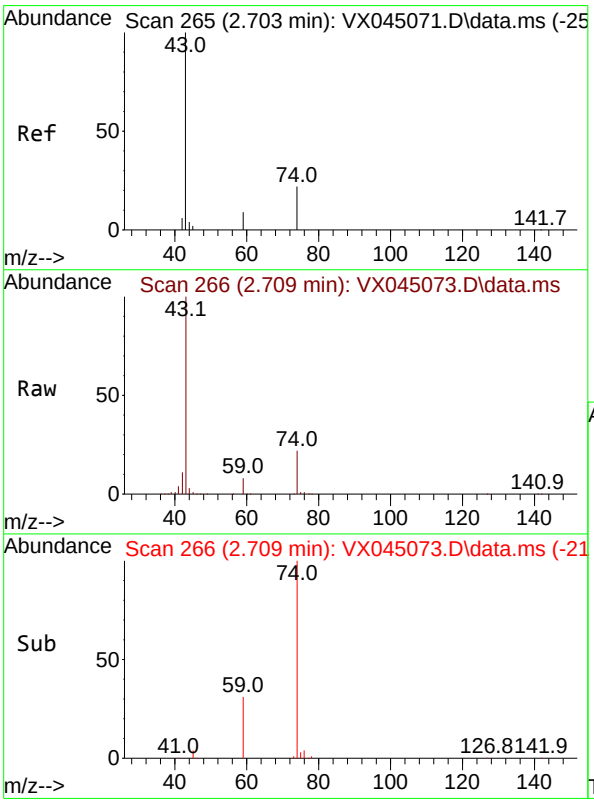
#17
Carbon Disulfide
Concen: 145.511 ug/l
RT: 2.495 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 487720

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8

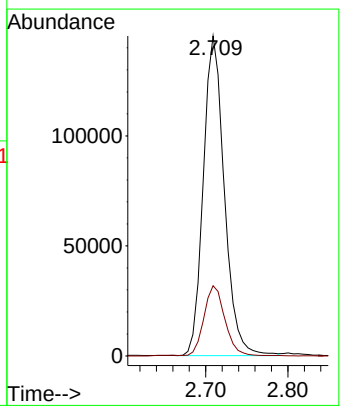


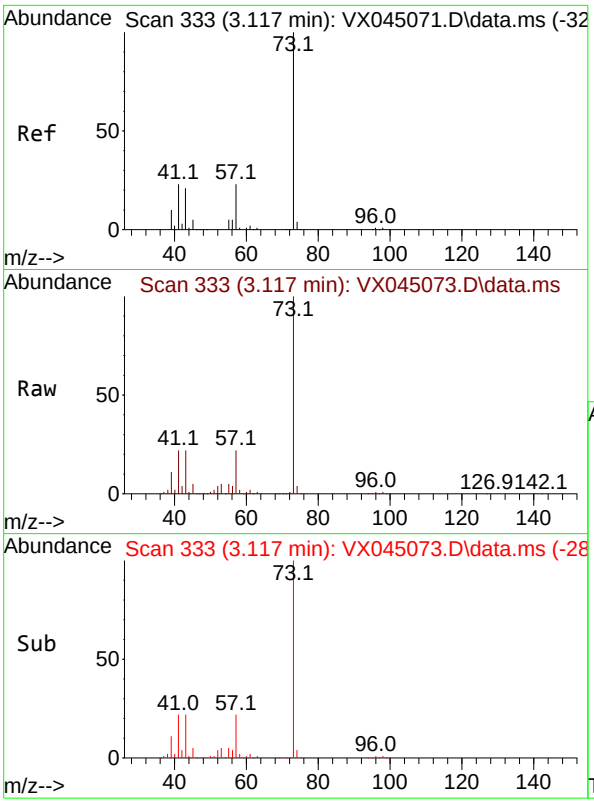


#18
Methyl Acetate
Concen: 147.347 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 43 Resp: 258303

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2



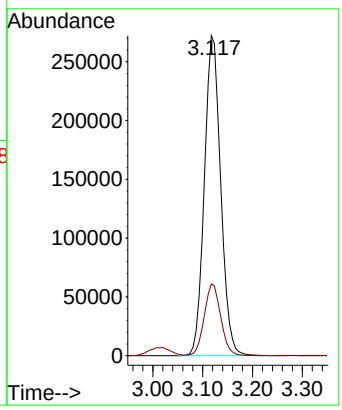


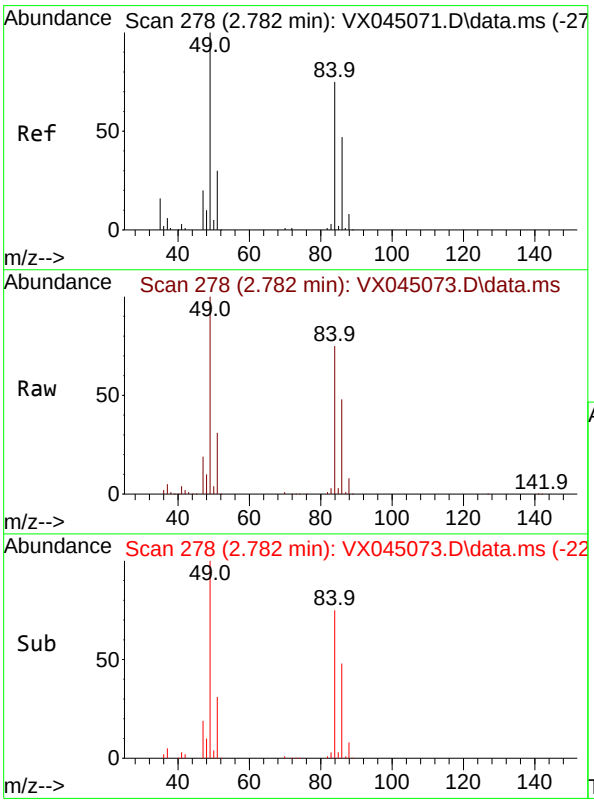
#19
Methyl tert-butyl Ether
Concen: 157.358 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 619778

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.5	27.7

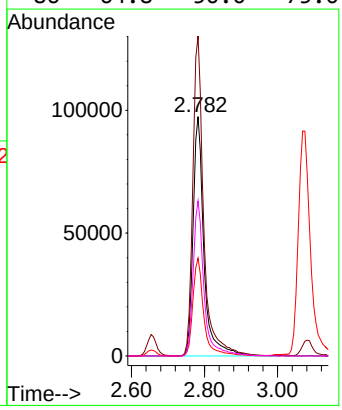


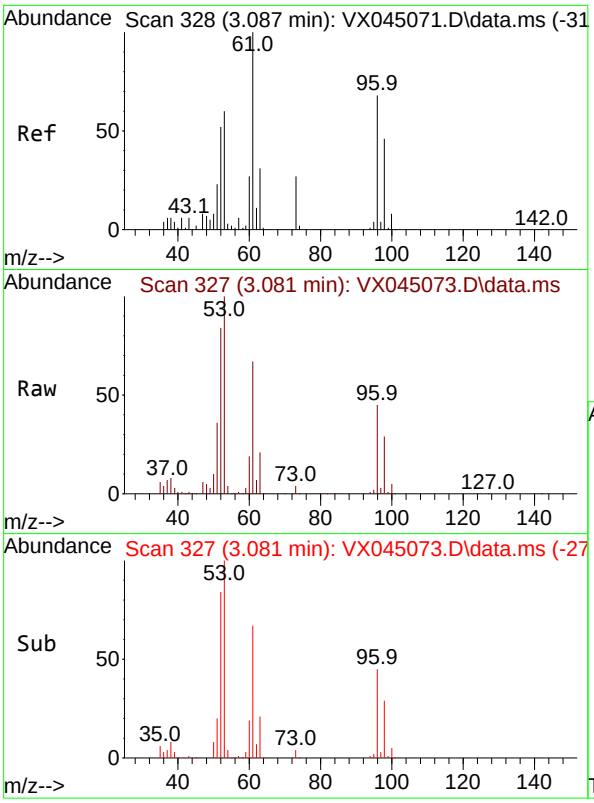


#20
Methylene Chloride
Concen: 147.198 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



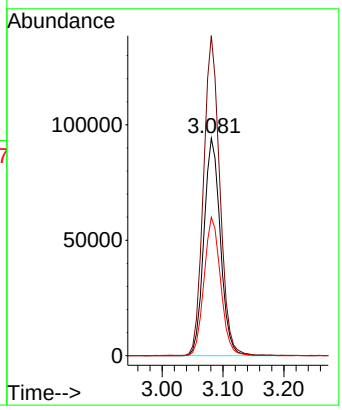


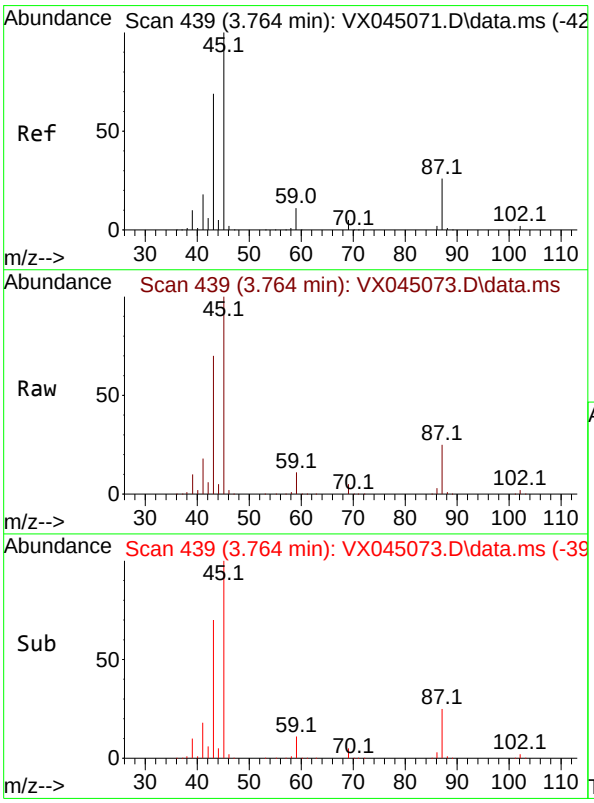
#21
trans-1,2-Dichloroethene
Concen: 146.027 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

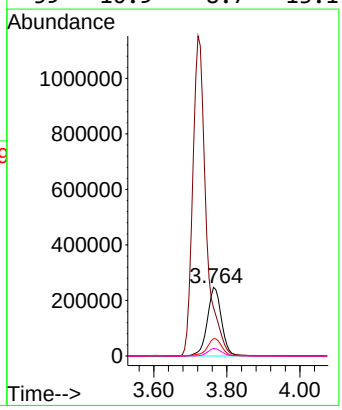


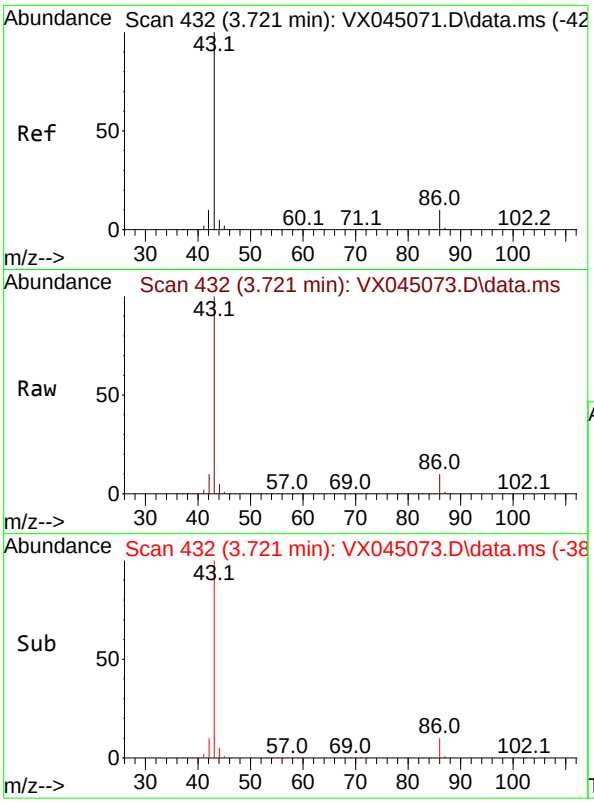


#22
Diisopropyl ether
Concen: 156.526 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



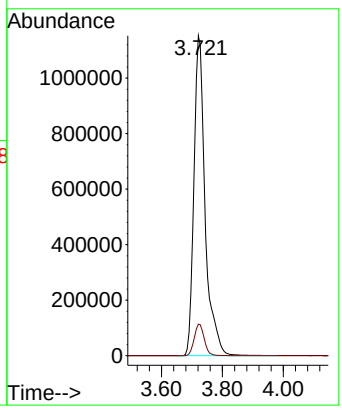


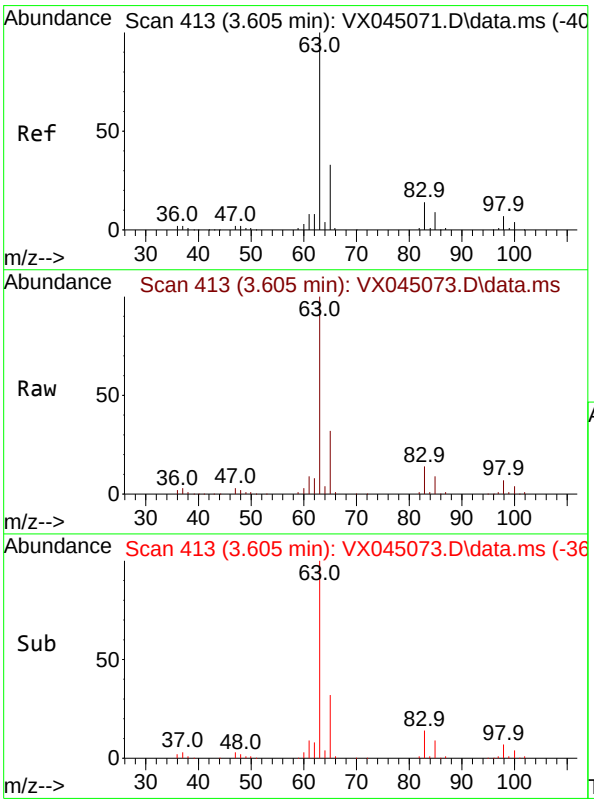
#23
Vinyl Acetate
Concen: 846.586 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2943150

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

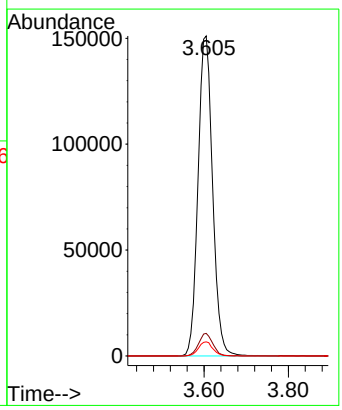


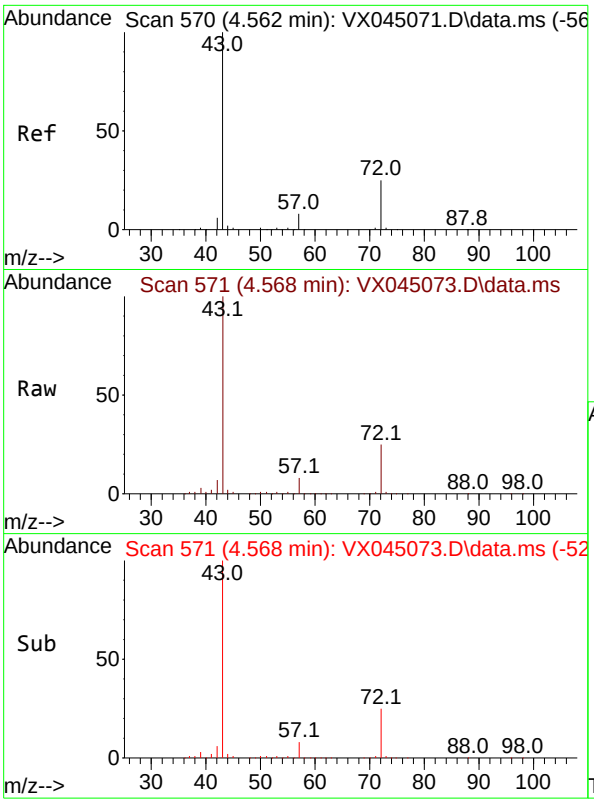


#24
1,1-Dichloroethane
Concen: 153.453 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



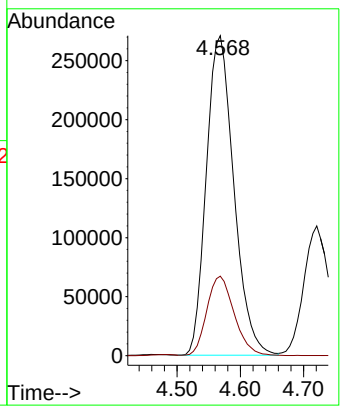


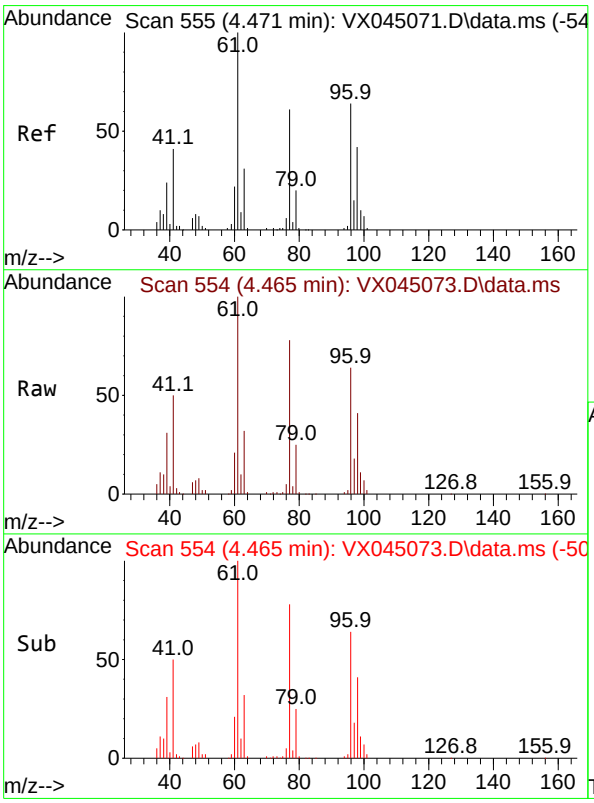
#25
2-Butanone
Concen: 872.239 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 818497

Ion	Ratio	Lower	Upper
43	100		
72	24.7	20.0	30.0

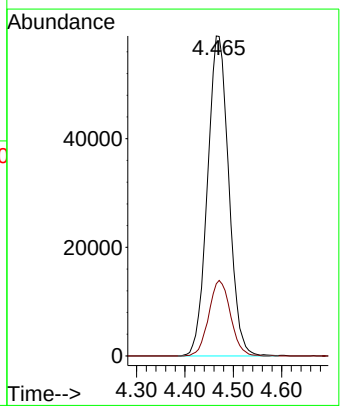


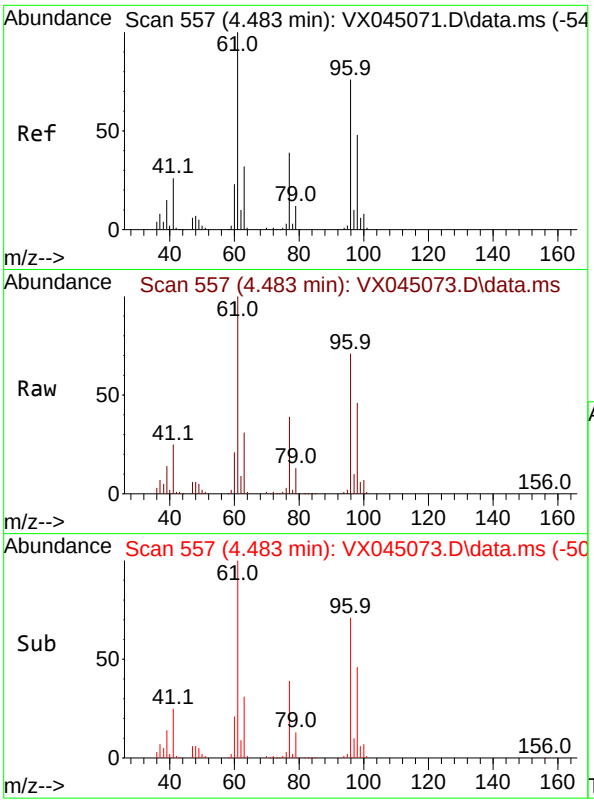


#26
2,2-Dichloropropane
Concen: 102.231 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 77 Resp: 179826

Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.4	37.0



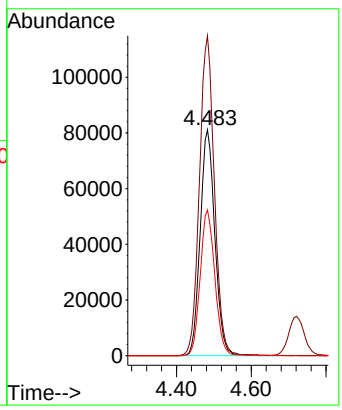


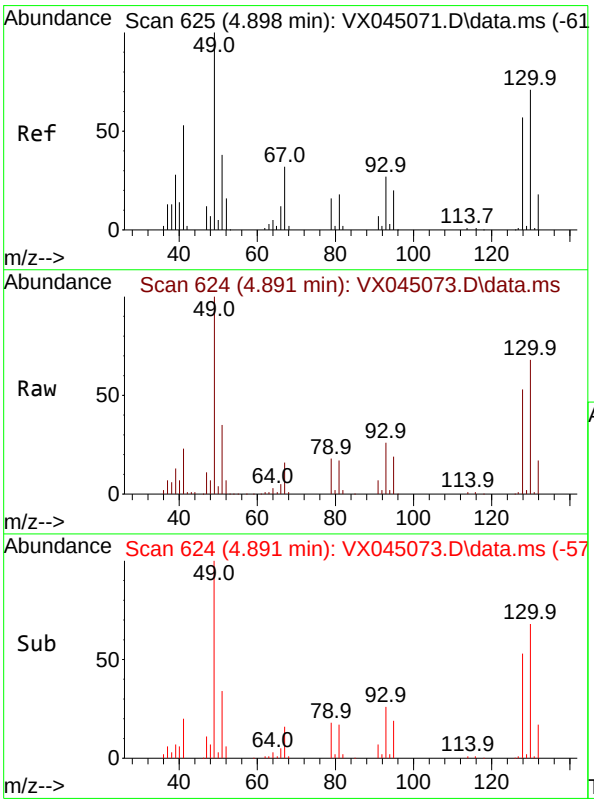
#27
cis-1,2-Dichloroethene
Concen: 151.205 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

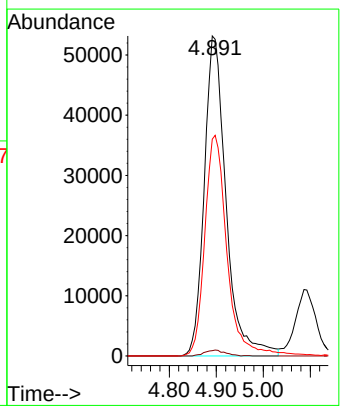


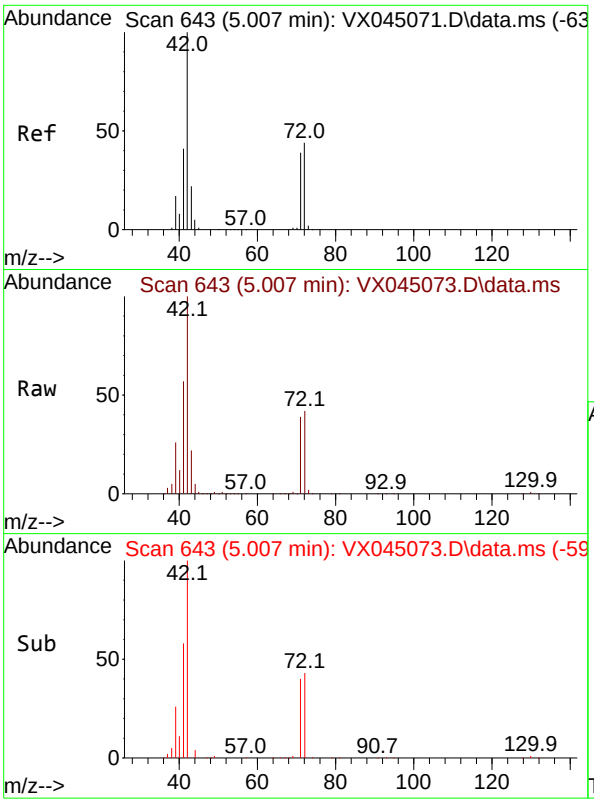


#28
Bromochloromethane
Concen: 150.105 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



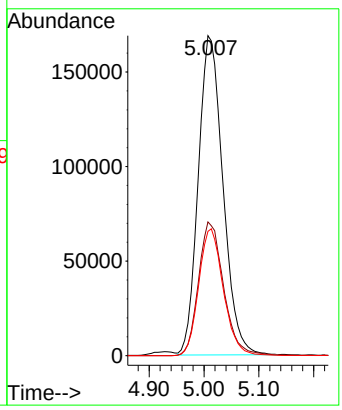


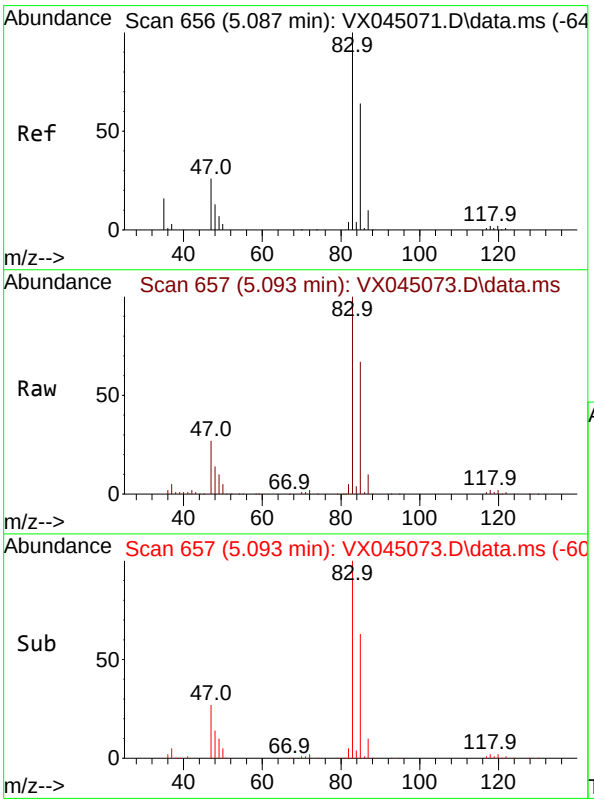
#29
Tetrahydrofuran
Concen: 850.174 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

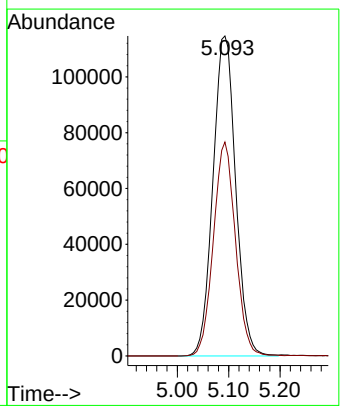


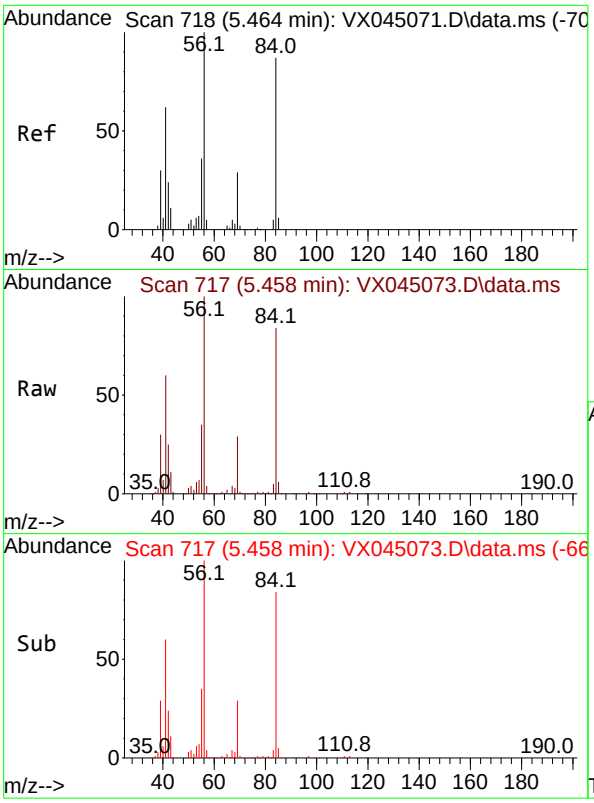


#30
Chloroform
Concen: 152.067 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 83 Resp: 351934

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.4	77.2



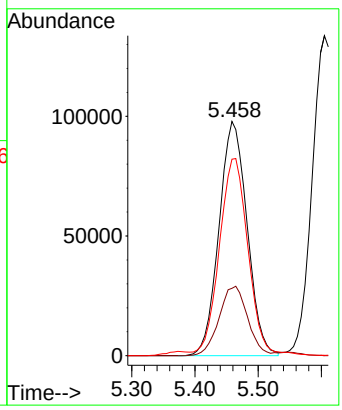


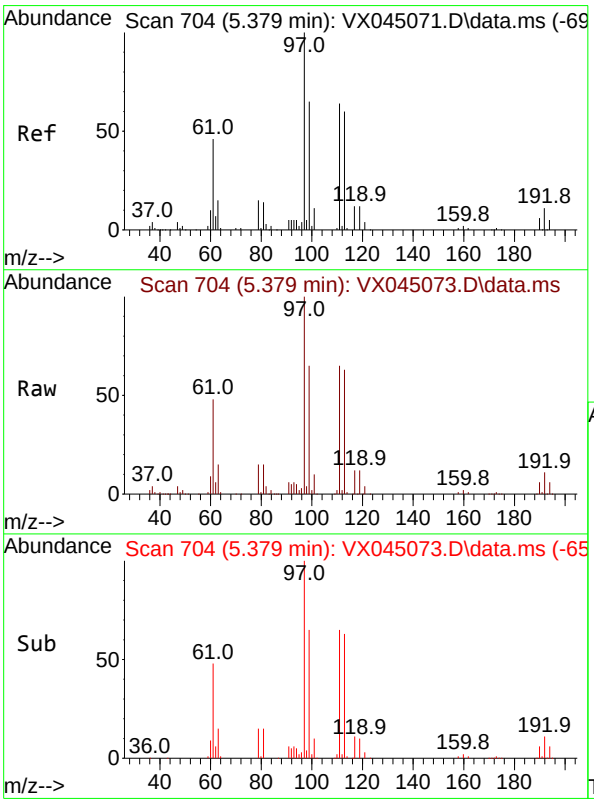
#31
Cyclohexane
Concen: 139.174 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

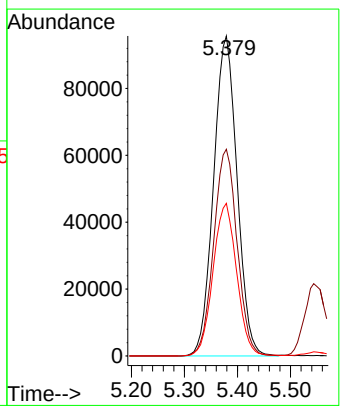


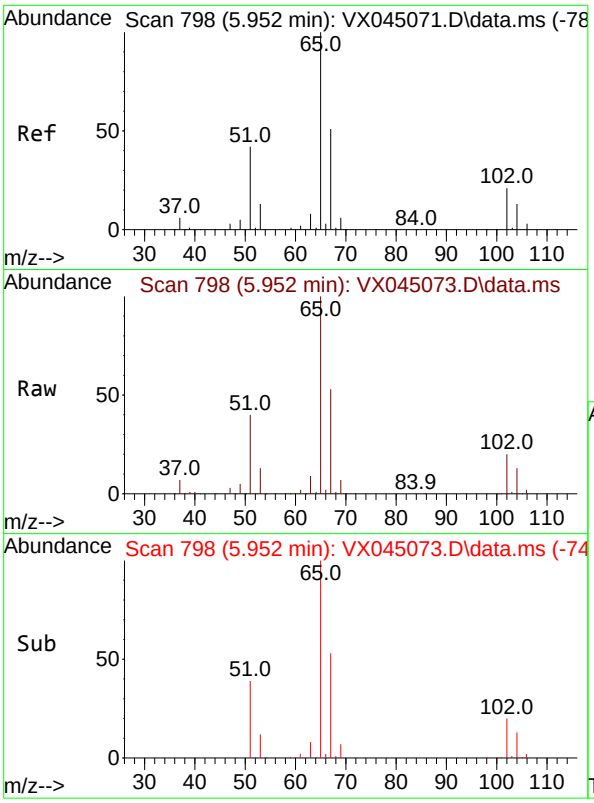


#32
1,1,1-Trichloroethane
Concen: 151.120 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



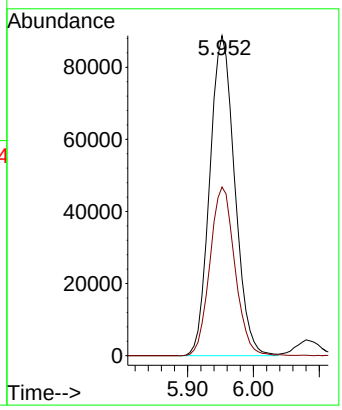


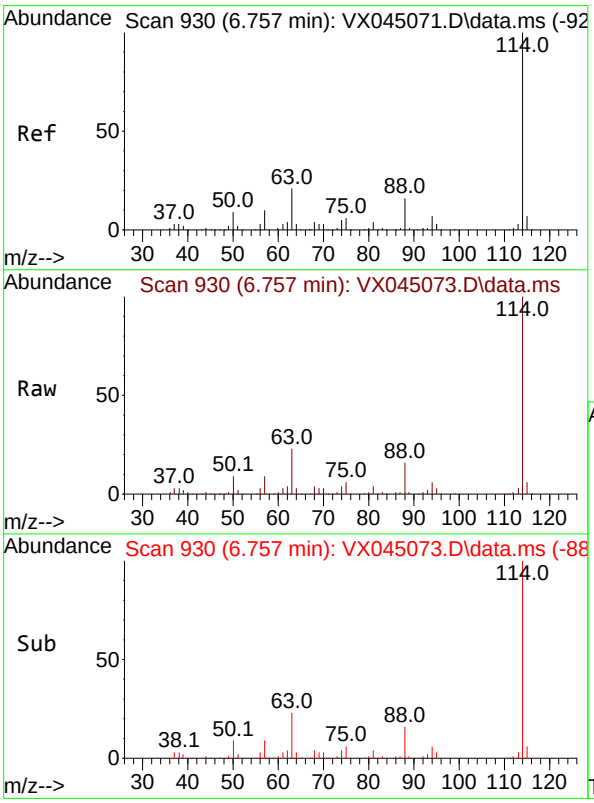
#33
1,2-Dichloroethane-d4
Concen: 165.865 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 234624

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.2

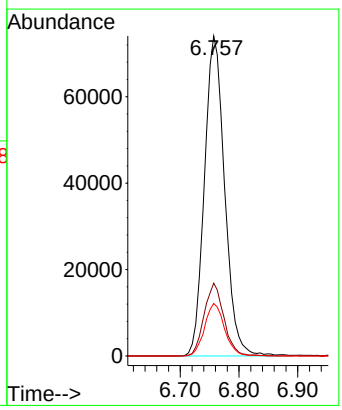


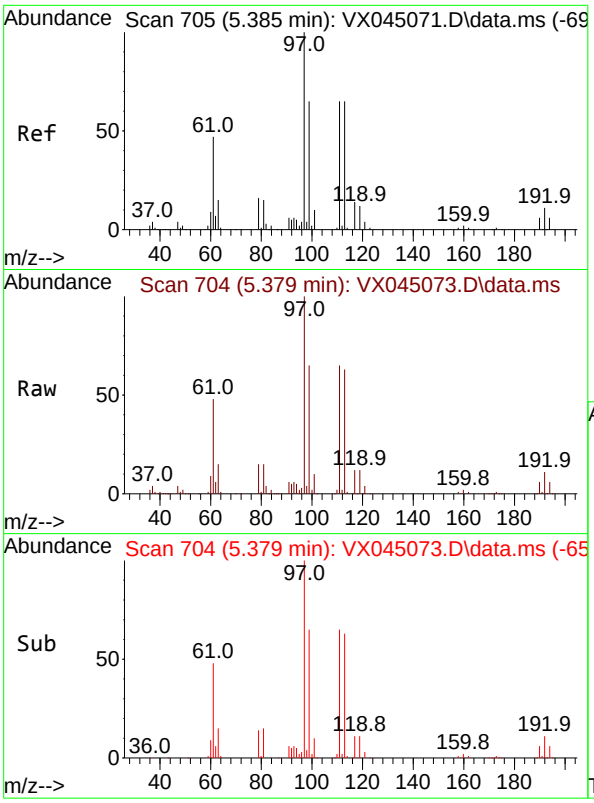


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



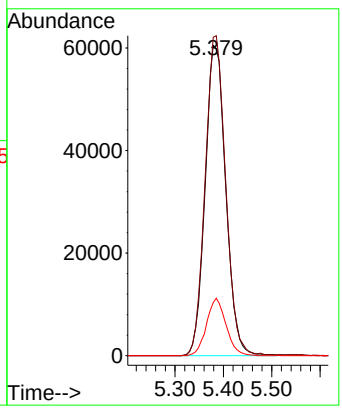


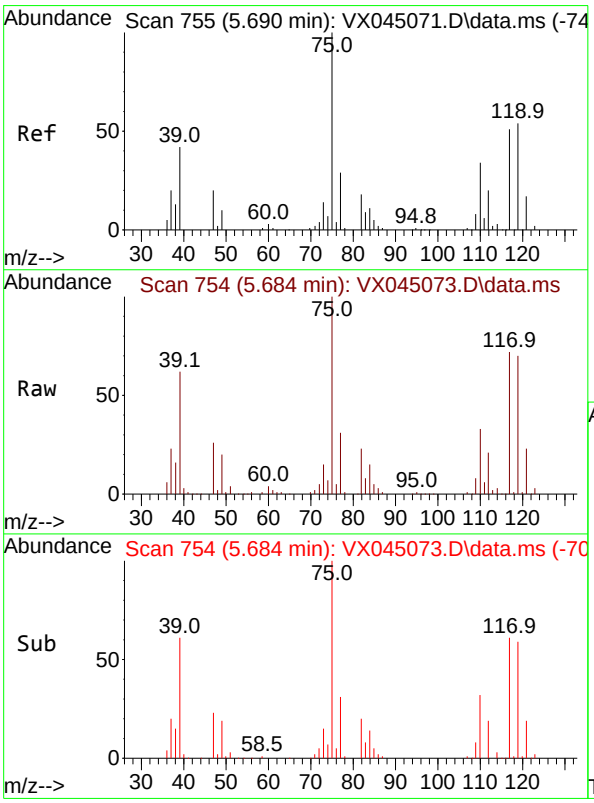
#35
Dibromofluoromethane
Concen: 155.359 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

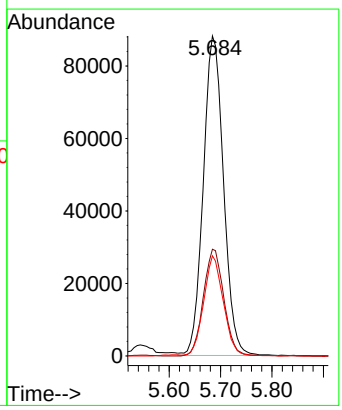


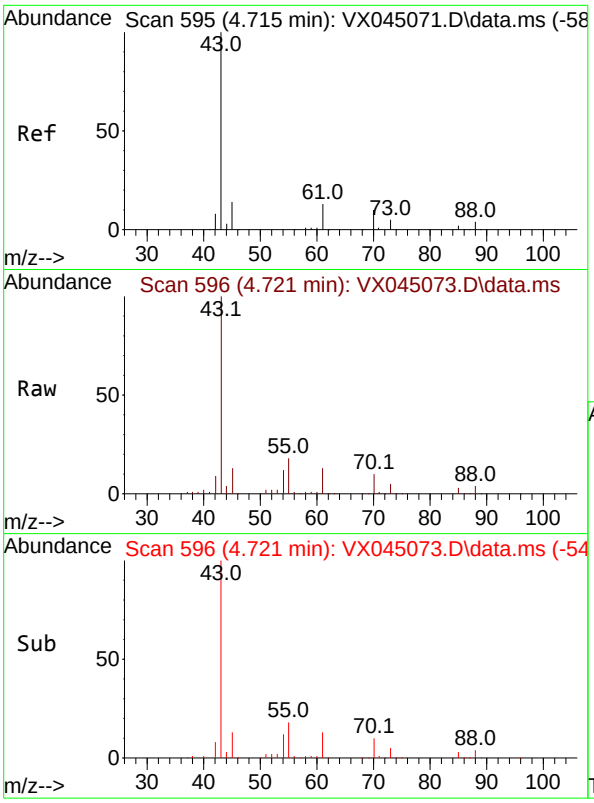


#36
1,1-Dichloropropene
Concen: 145.112 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



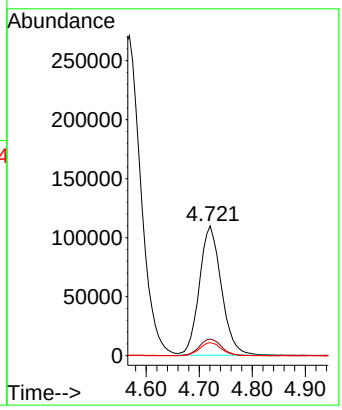


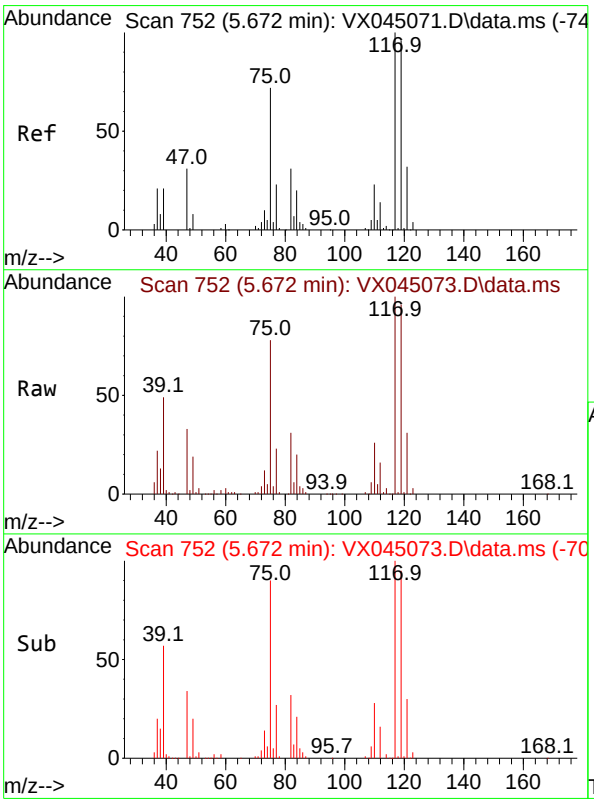
#37
Ethyl Acetate
Concen: 167.067 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

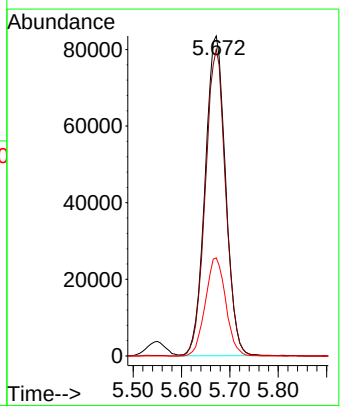


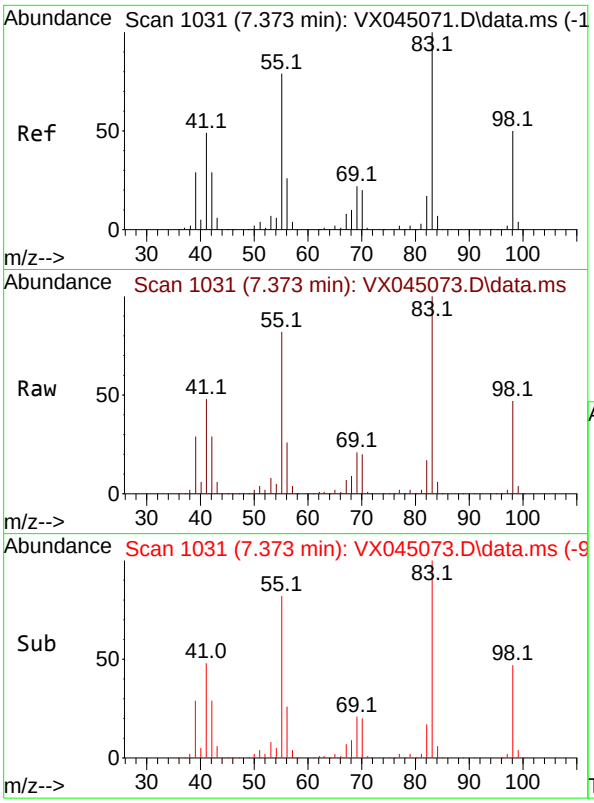


#38
Carbon Tetrachloride
Concen: 150.363 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



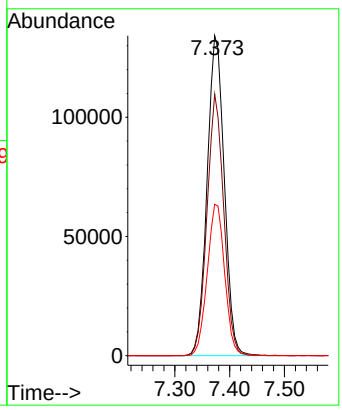


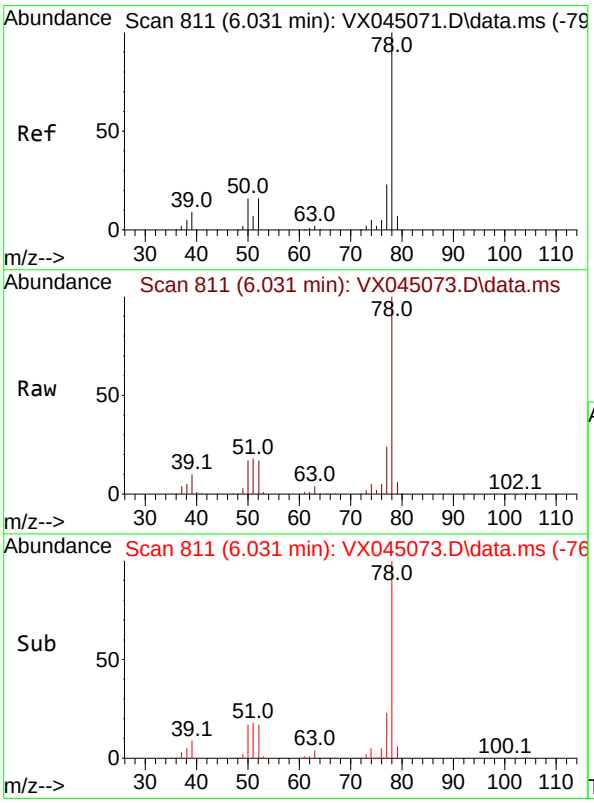
#39
Methylcyclohexane
Concen: 137.544 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

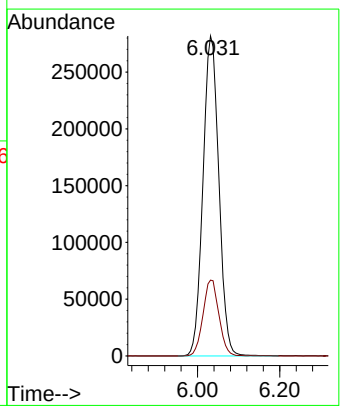


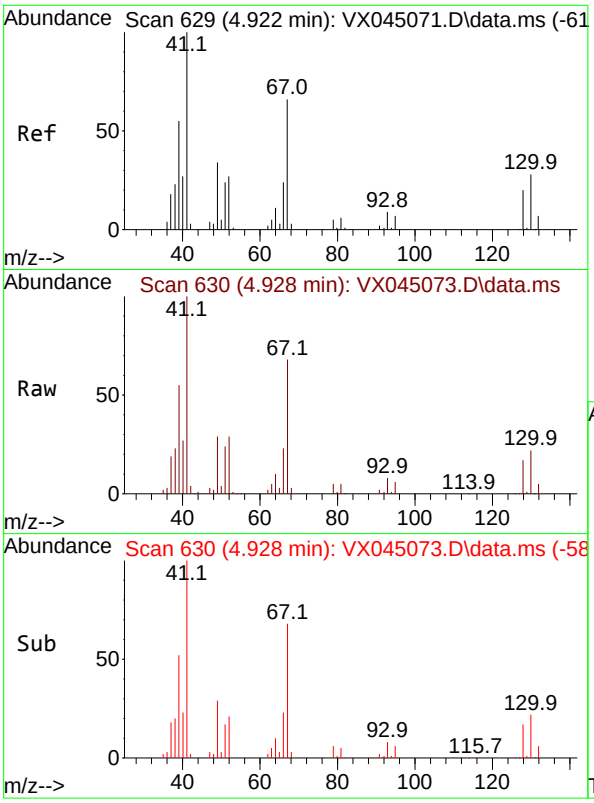


#40
Benzene
Concen: 145.368 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 78 Resp: 755854

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2



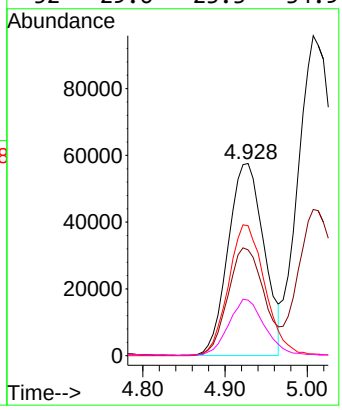


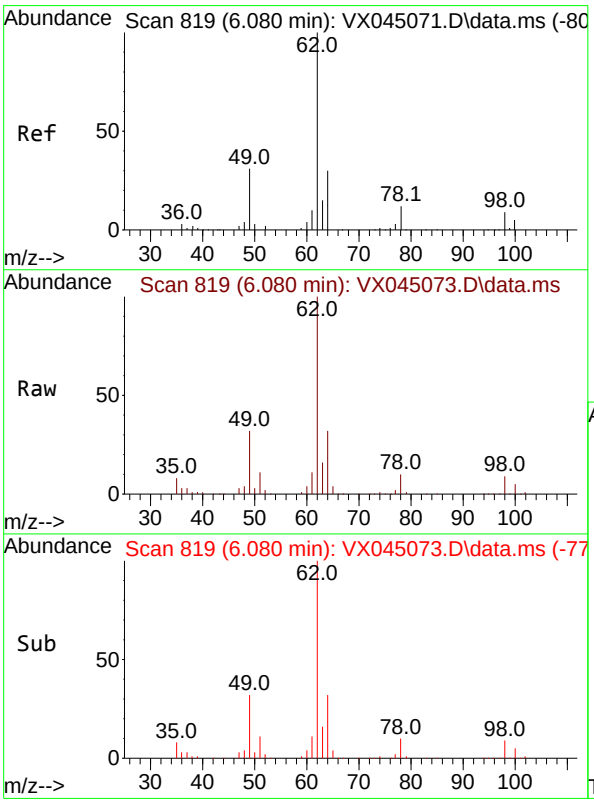
#41
Methacrylonitrile
Concen: 173.088 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

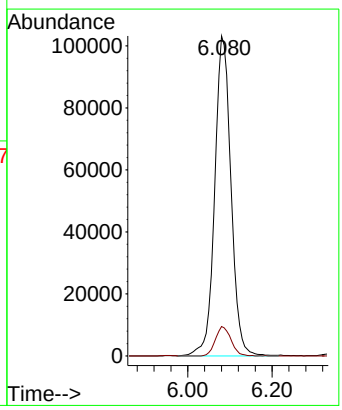


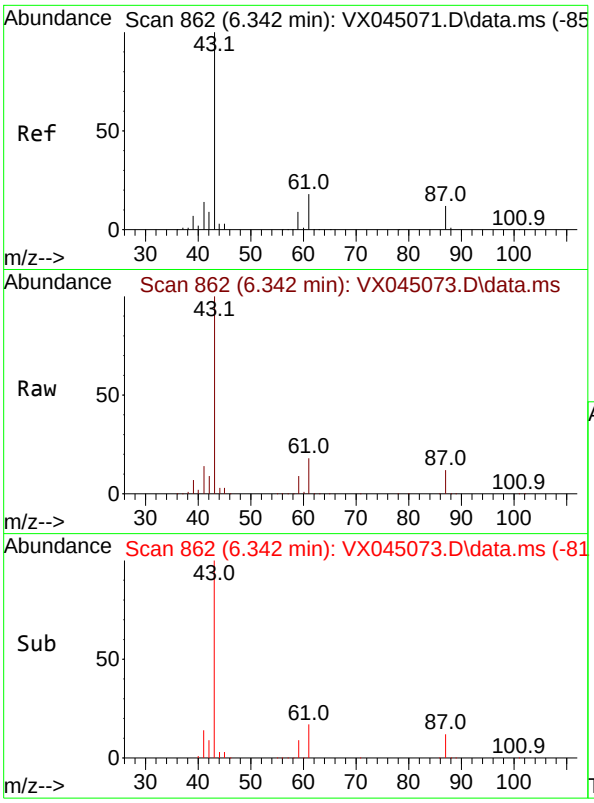


#42
1,2-Dichloroethane
Concen: 163.872 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 62 Resp: 276129

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



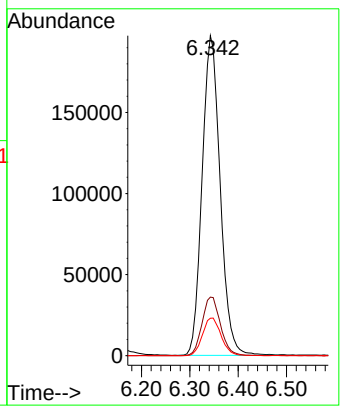


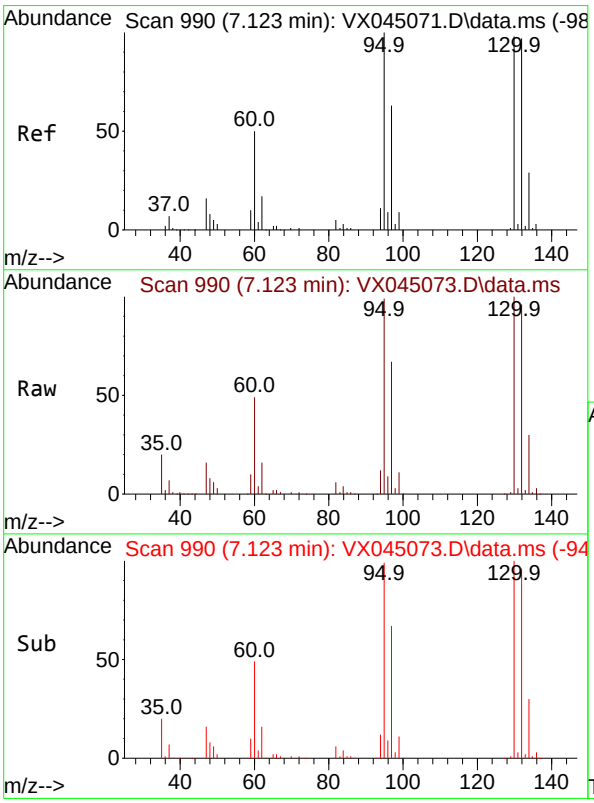
#43
Isopropyl Acetate
Concen: 169.804 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

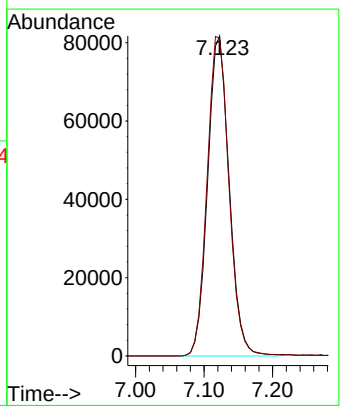


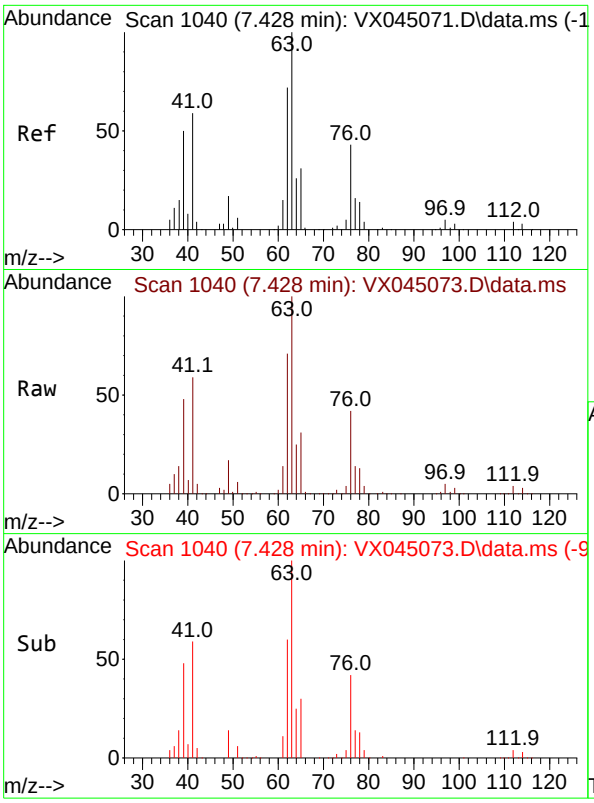


#44
Trichloroethene
Concen: 150.181 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:130 Resp: 178483

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	205.0



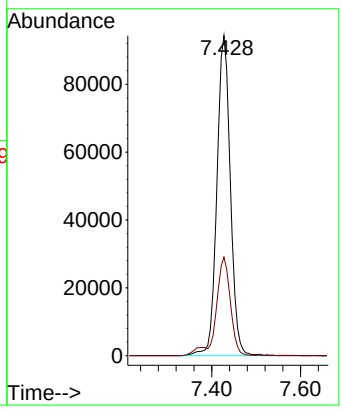


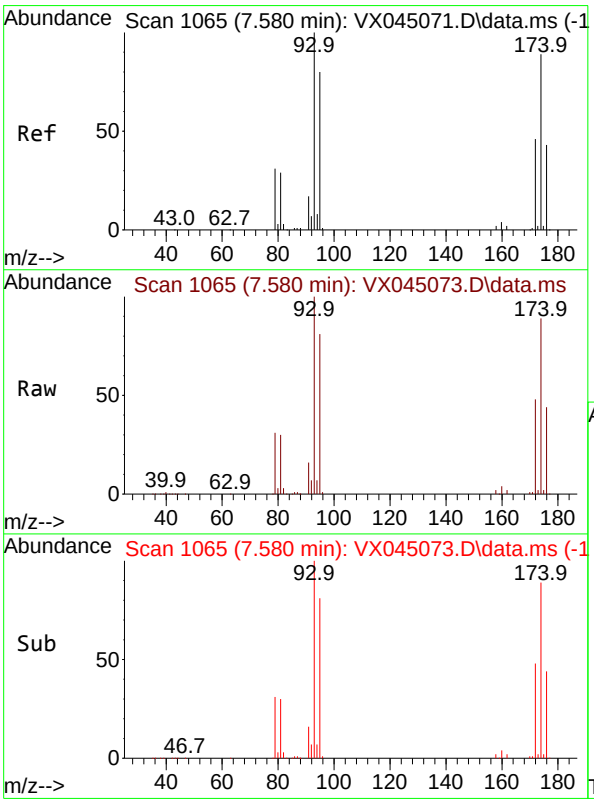
#45
1,2-Dichloropropane
Concen: 153.334 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 198135

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.7	37.1

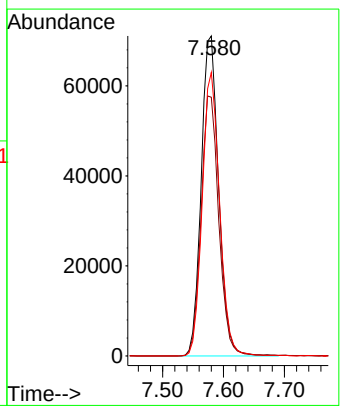


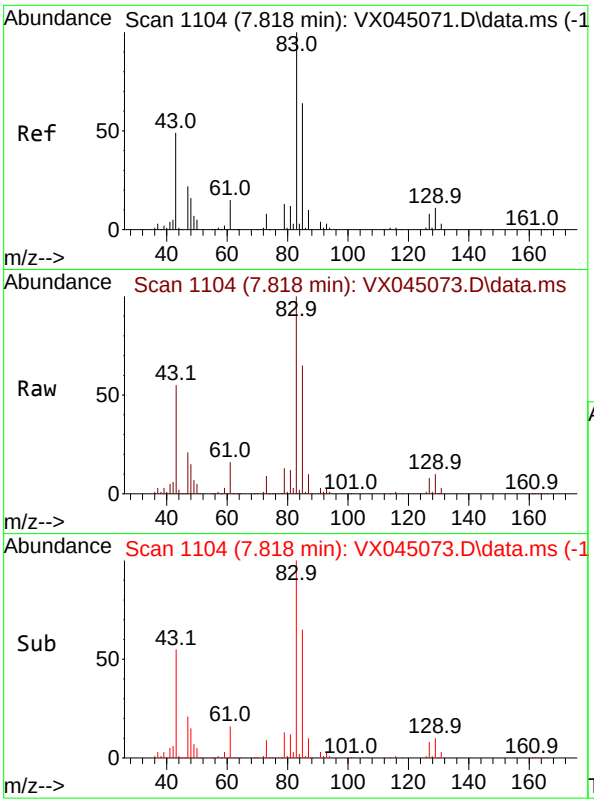


#46
Dibromomethane
Concen: 157.443 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



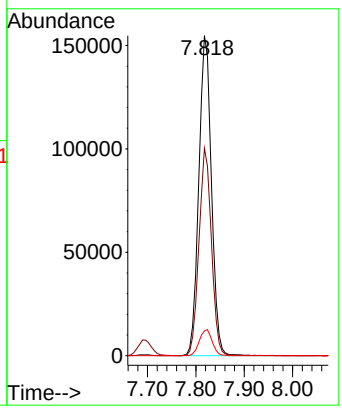


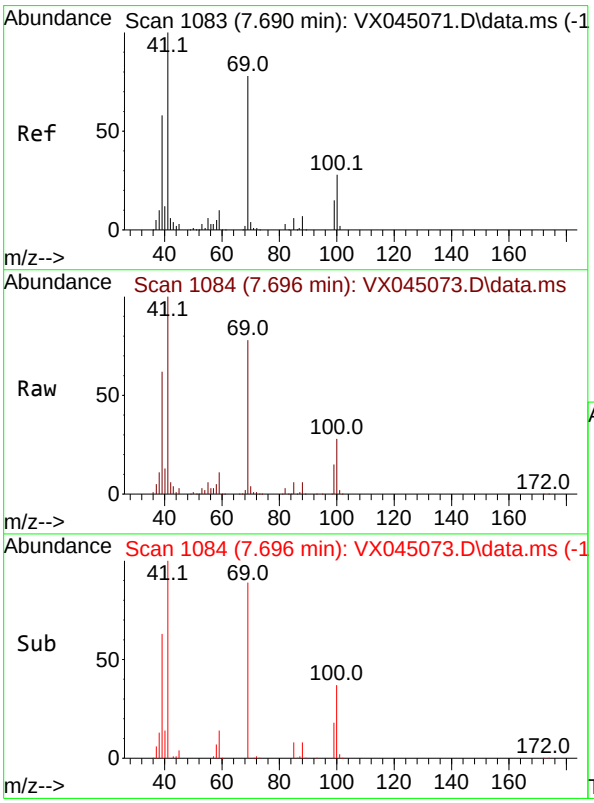
#47
Bromodichloromethane
Concen: 160.492 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

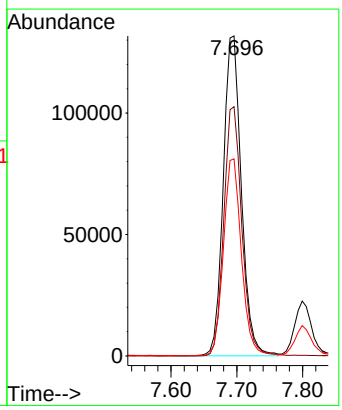


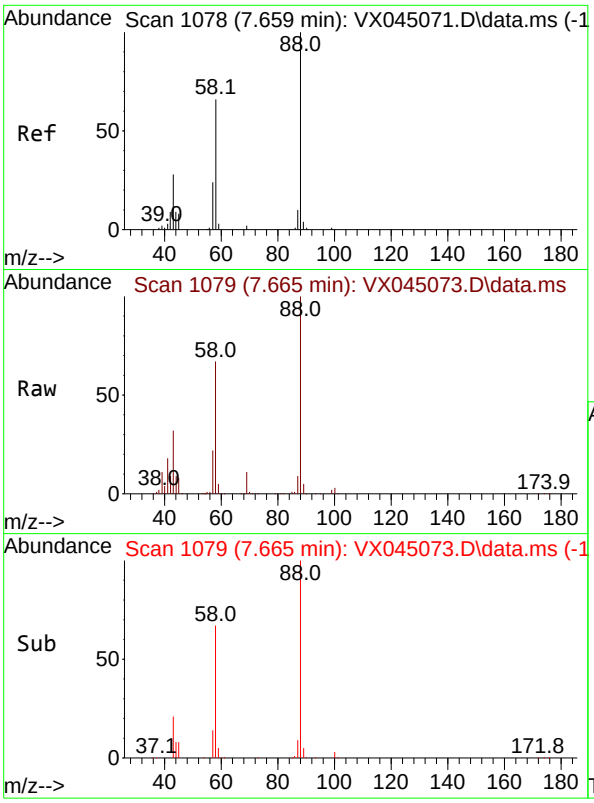


#48
Methyl methacrylate
Concen: 176.370 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



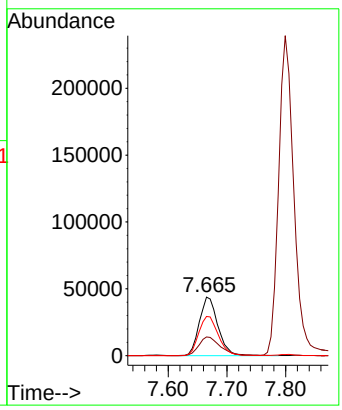


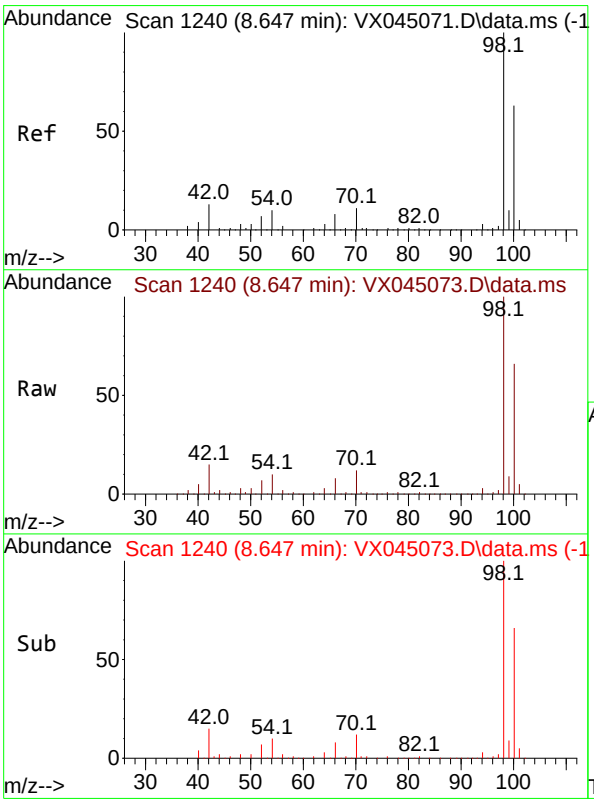
#49
1,4-Dioxane
Concen: 3166.423 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

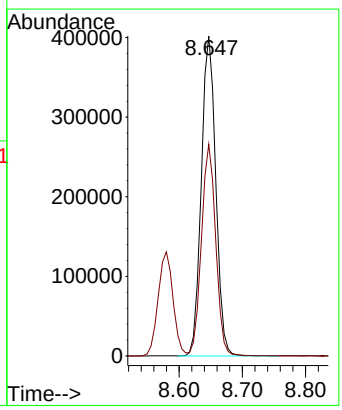


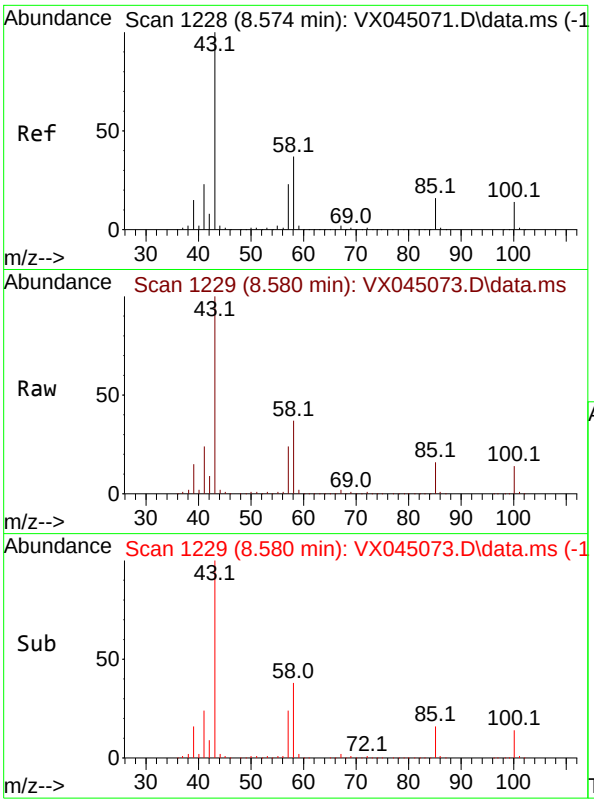


#50
Toluene-d8
Concen: 147.538 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 98 Resp: 638979

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0



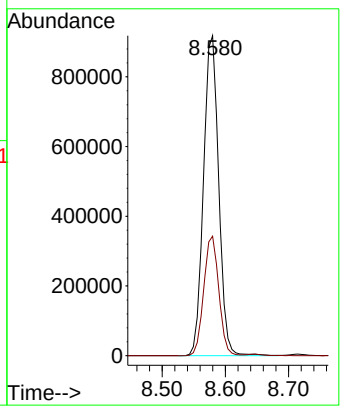


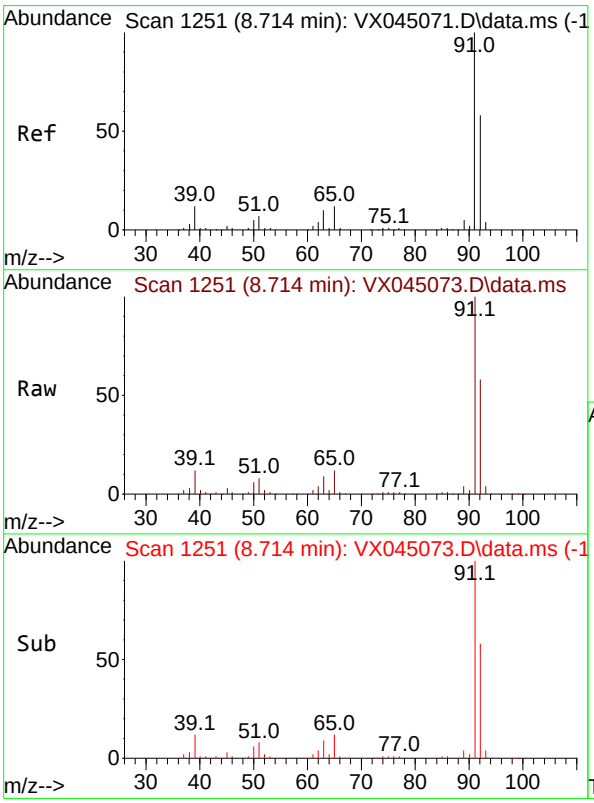
#51
4-Methyl-2-Pentanone
Concen: 832.051 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1536157

Ion	Ratio	Lower	Upper
43	100		
58	37.1	29.2	43.8

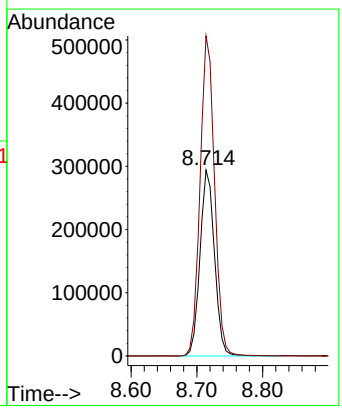


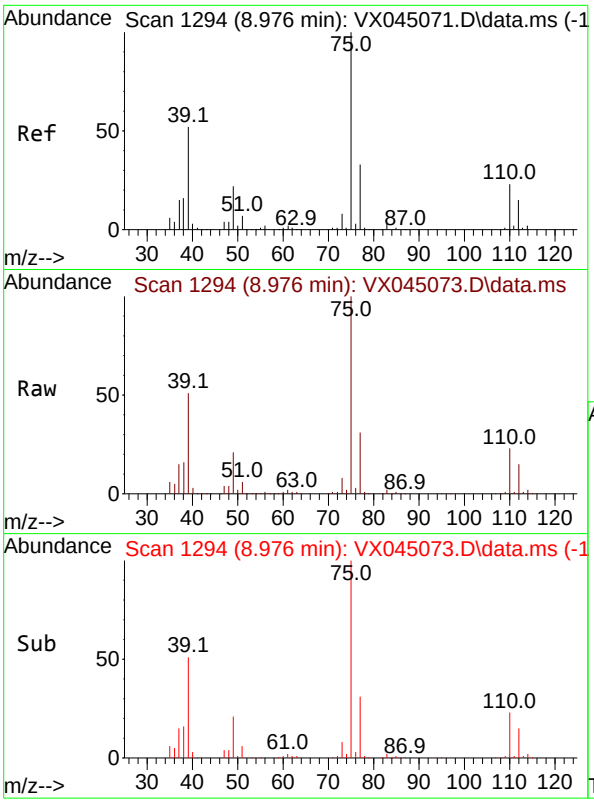


#52
Toluene
Concen: 145.321 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 92 Resp: 448664

Ion	Ratio	Lower	Upper
92	100		
91	172.3	138.9	208.3



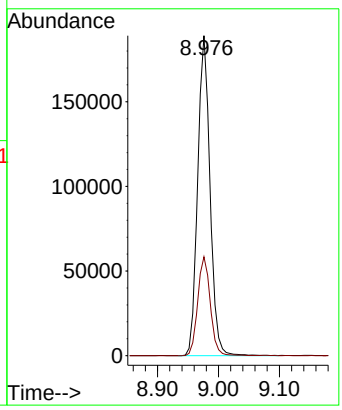


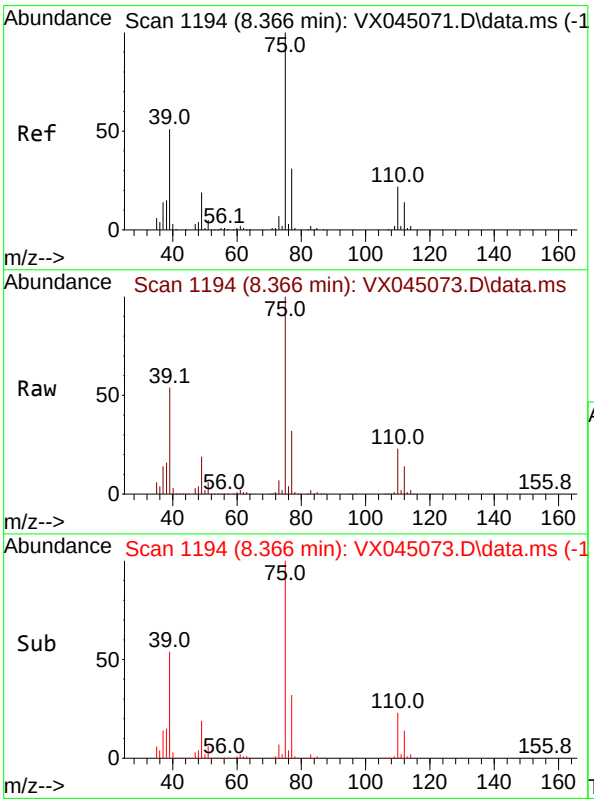
#53
t-1,3-Dichloropropene
Concen: 154.373 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 266444

Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.5	39.7

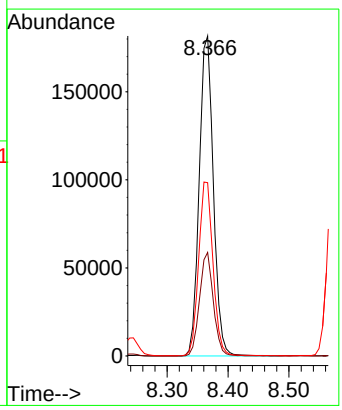


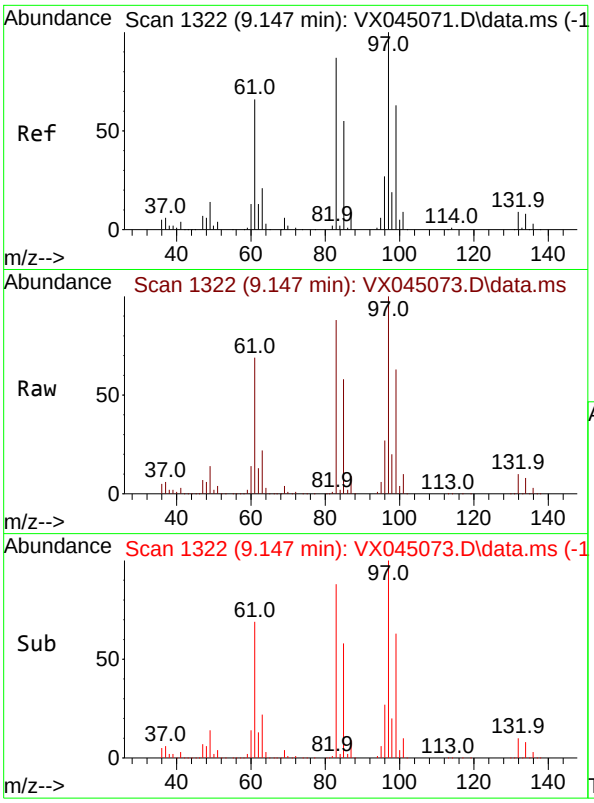


#54
cis-1,3-Dichloropropene
Concen: 152.117 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



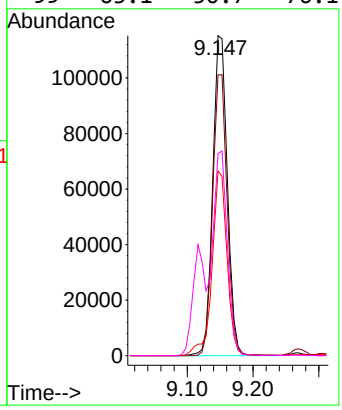


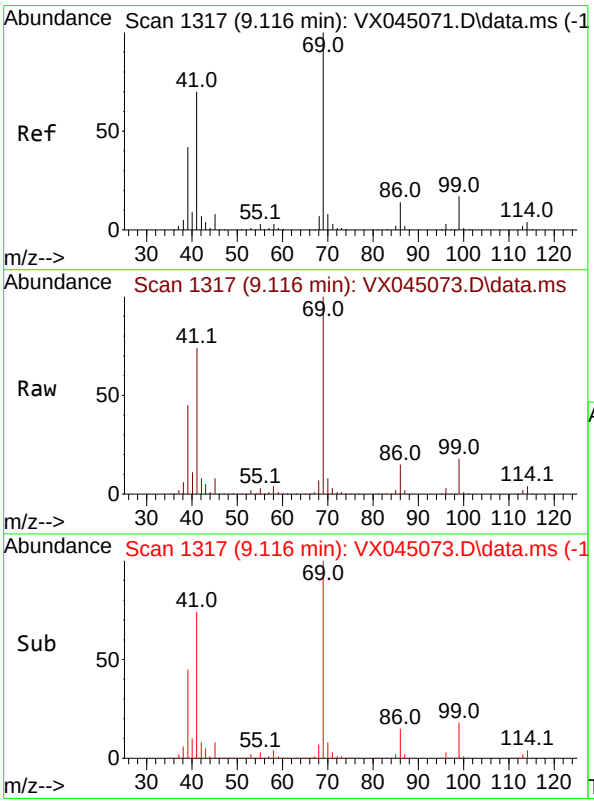
#55
1,1,2-Trichloroethane
Concen: 149.046 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

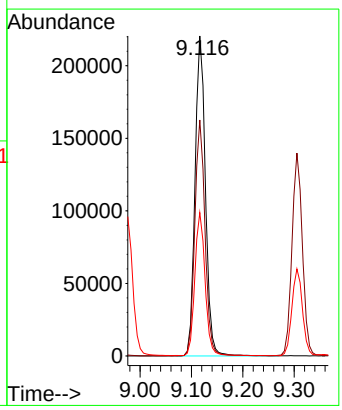


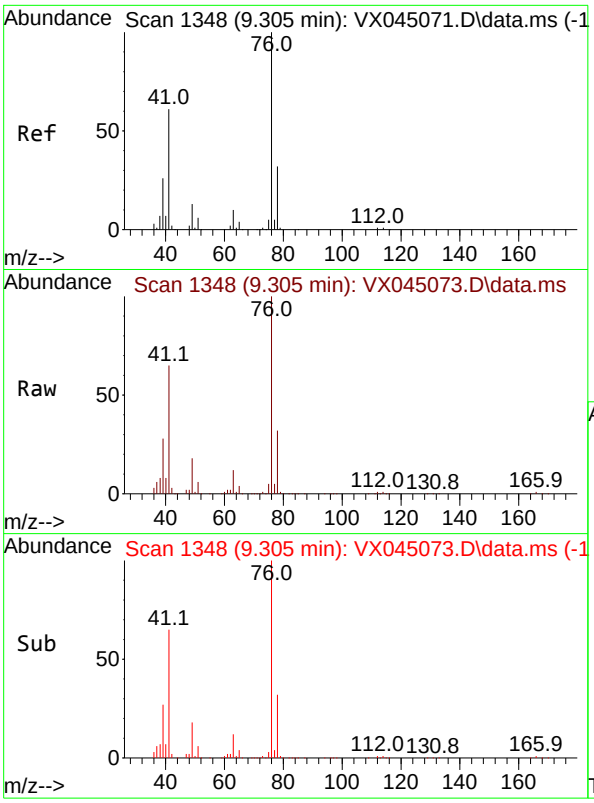


#56
Ethyl methacrylate
Concen: 162.631 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



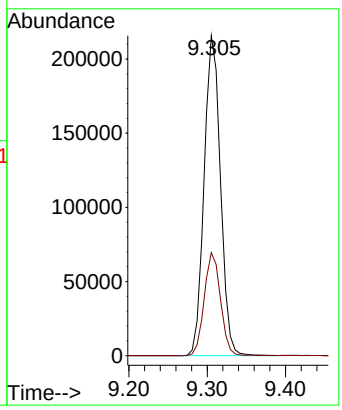


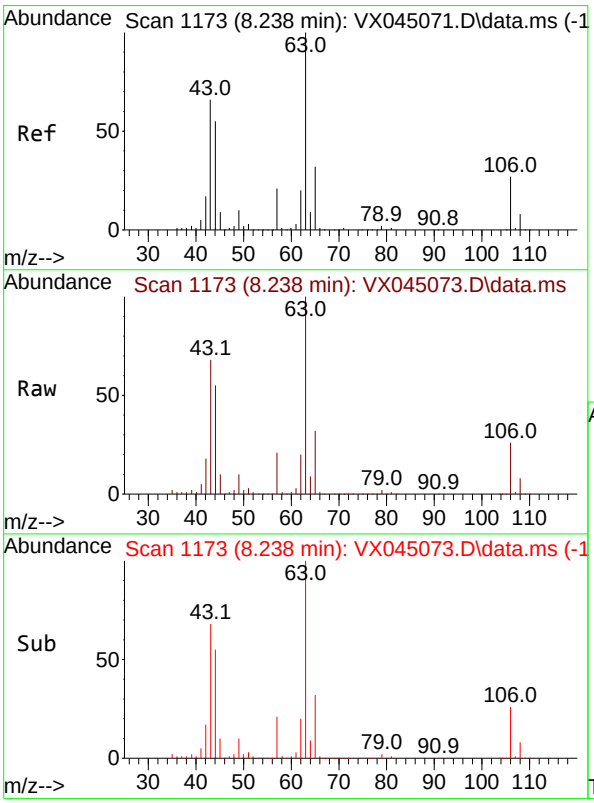
#57
1,3-Dichloropropane
Concen: 149.699 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 312196

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

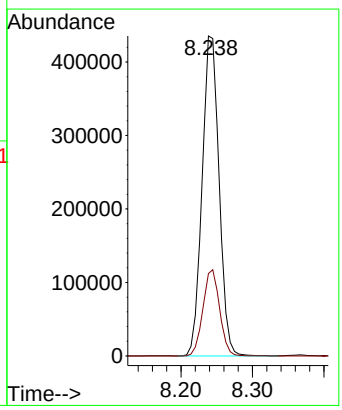


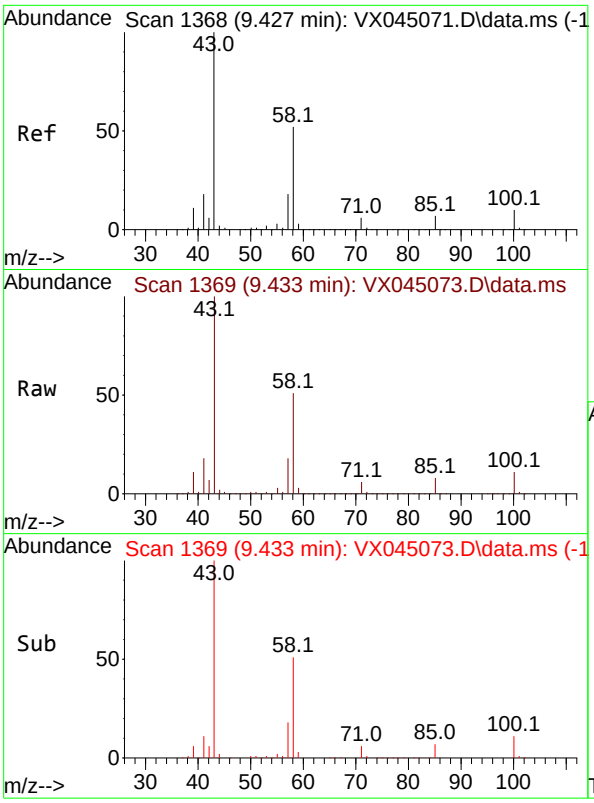


#58
2-Chloroethyl Vinyl ether
Concen: 764.019 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 63 Resp: 717328

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



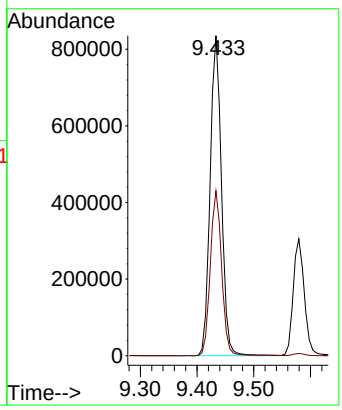


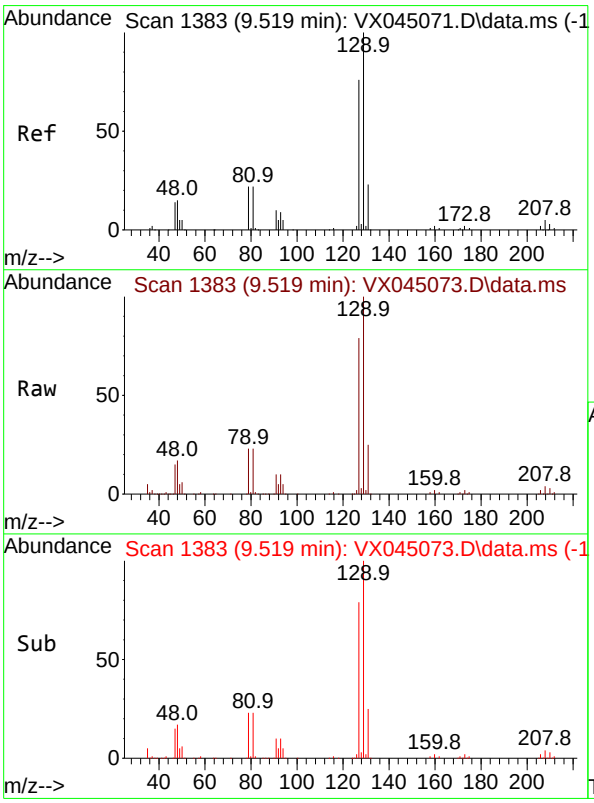
#59
2-Hexanone
Concen: 868.492 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1156653

Ion	Ratio	Lower	Upper
43	100		
58	51.6	25.9	77.6

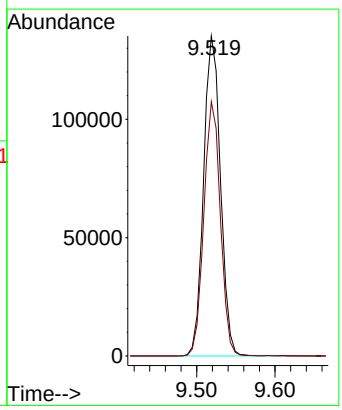


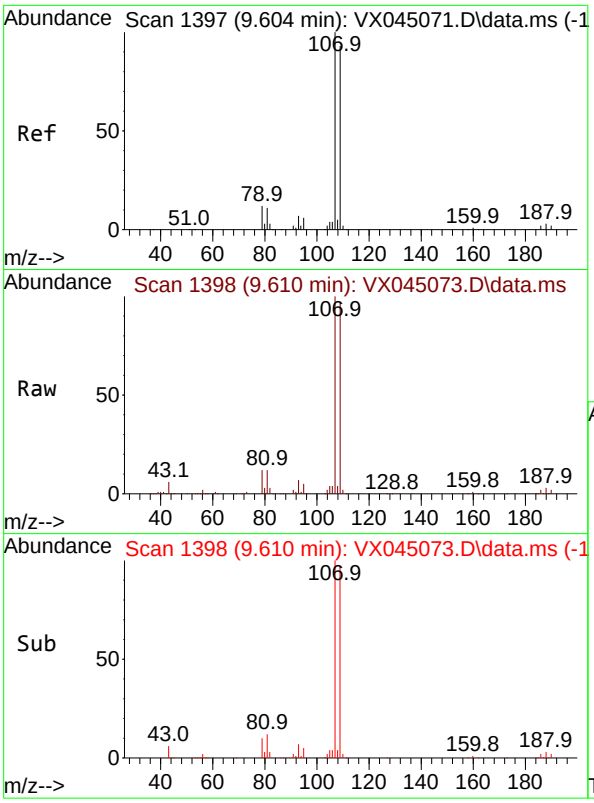


#60
Dibromochloromethane
Concen: 158.276 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:129 Resp: 201906

Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.5	115.5



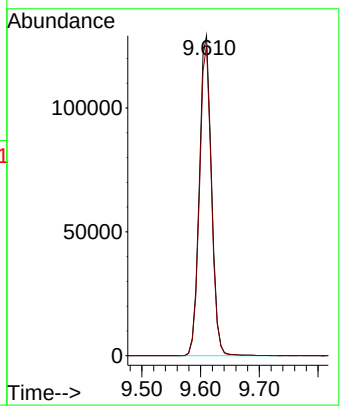


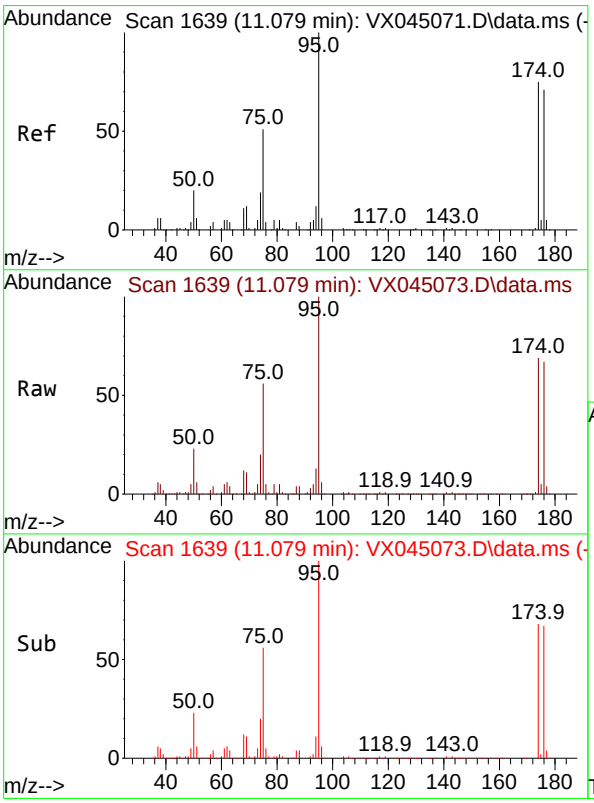
#61
1,2-Dibromoethane
Concen: 154.074 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 185828

Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.1	114.1

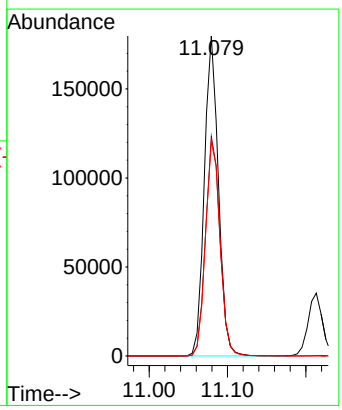


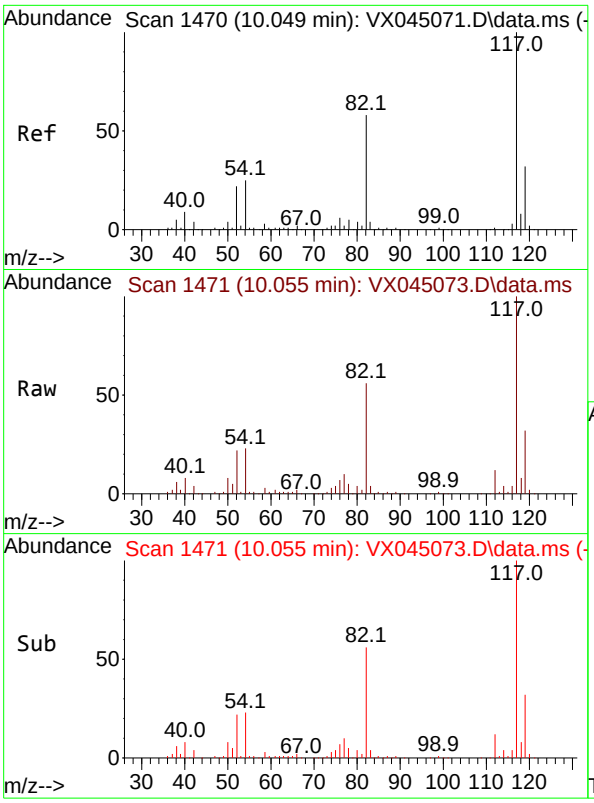


#62
4-Bromofluorobenzene
Concen: 154.420 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



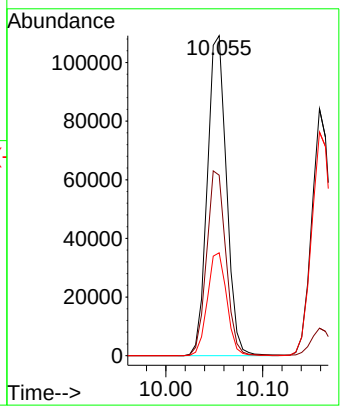


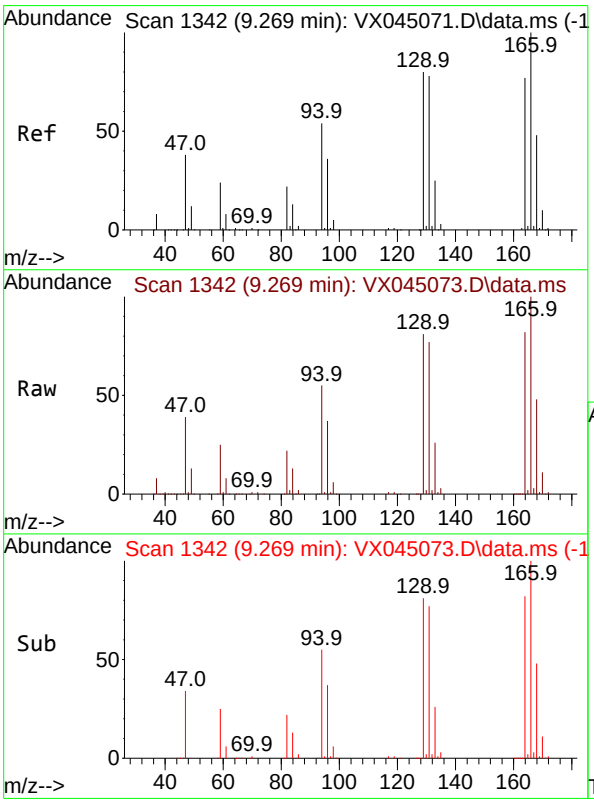
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

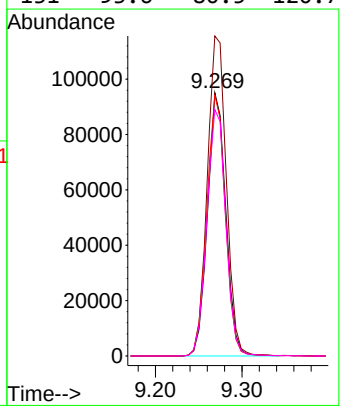


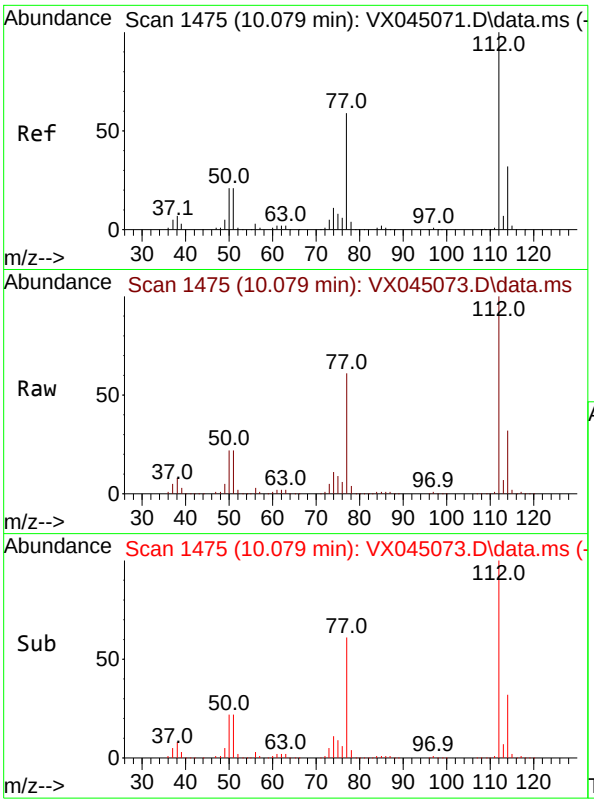


#64
Tetrachloroethene
Concen: 145.906 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



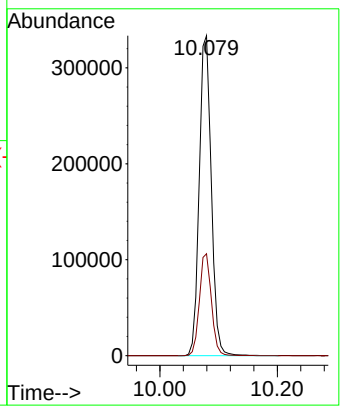


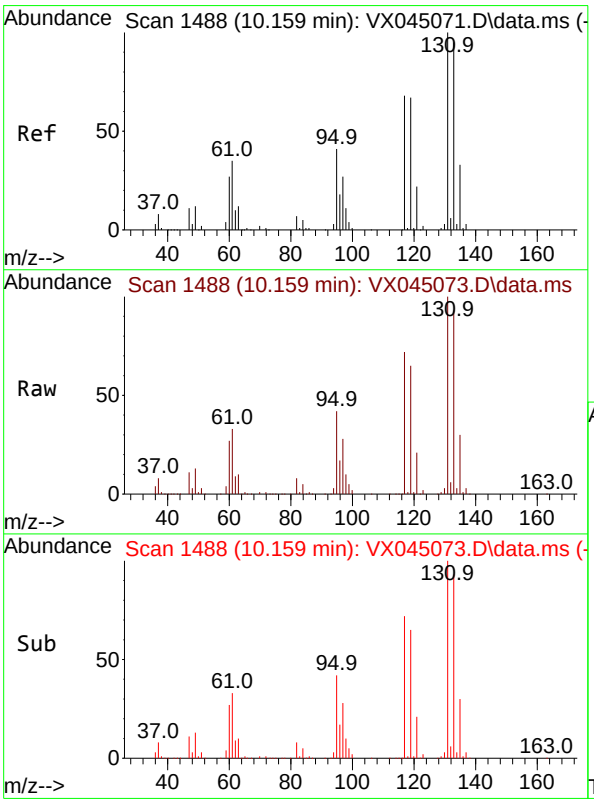
#65
Chlorobenzene
Concen: 146.096 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 472117

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

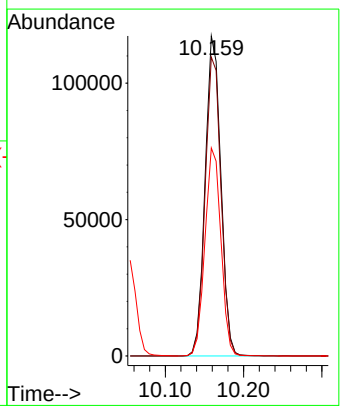


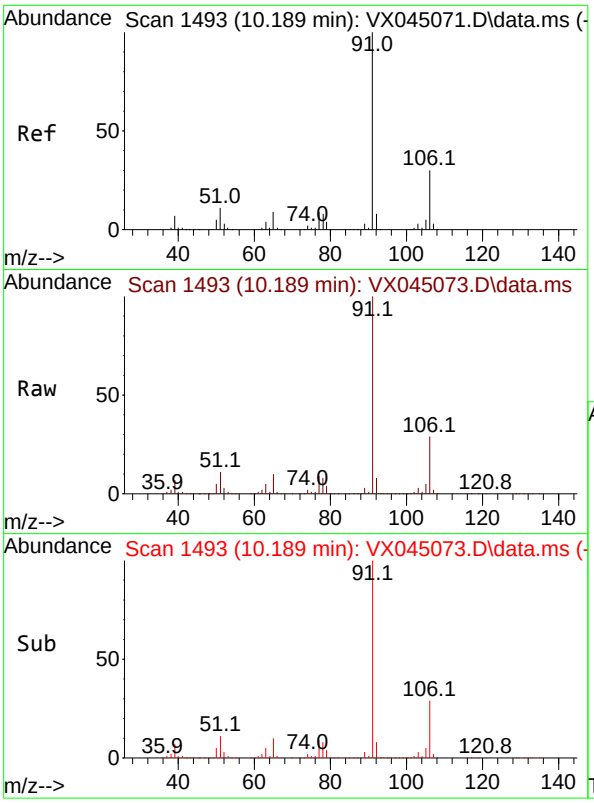


#66
1,1,1,2-Tetrachloroethane
Concen: 156.845 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



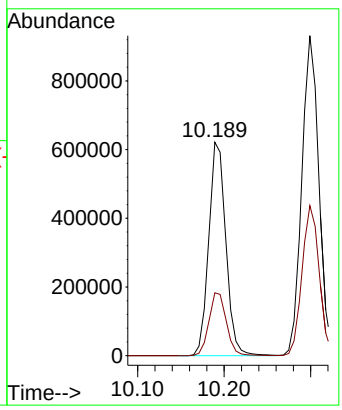


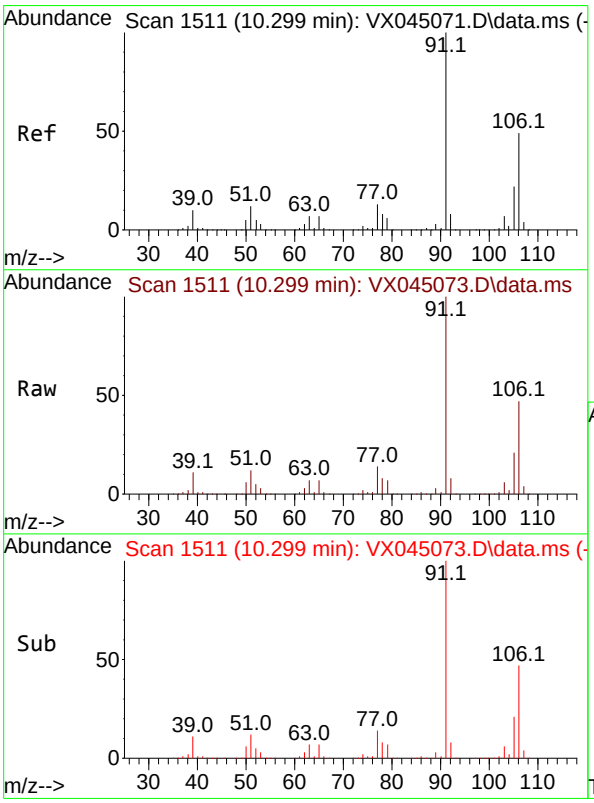
#67
Ethyl Benzene
Concen: 149.191 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 852575

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

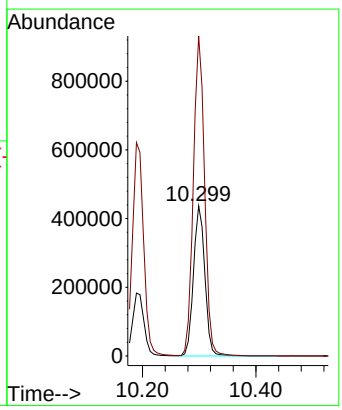


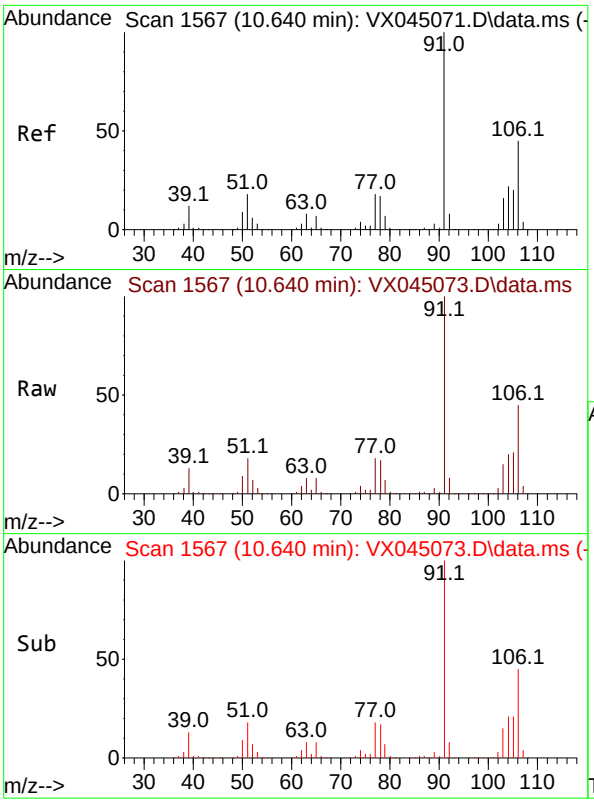


#68
m/p-Xylenes
Concen: 288.655 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:106 Resp: 607523

Ion	Ratio	Lower	Upper
106	100		
91	211.2	165.4	248.0



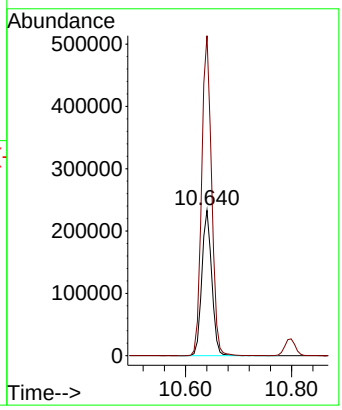


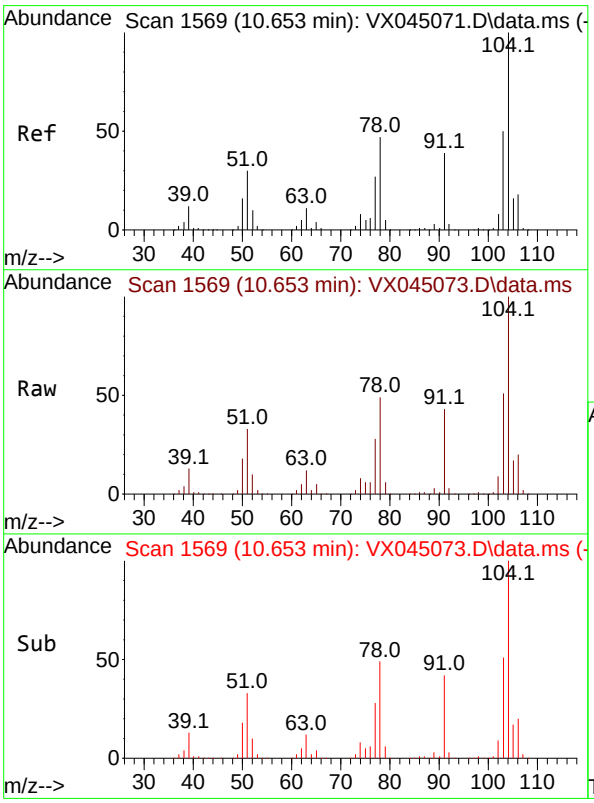
#69
o-Xylene
Concen: 143.259 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 302495

Ion	Ratio	Lower	Upper
106	100		
91	221.3	109.9	329.6

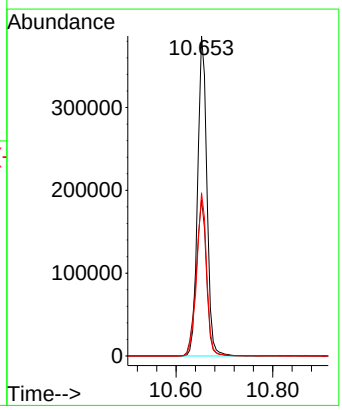


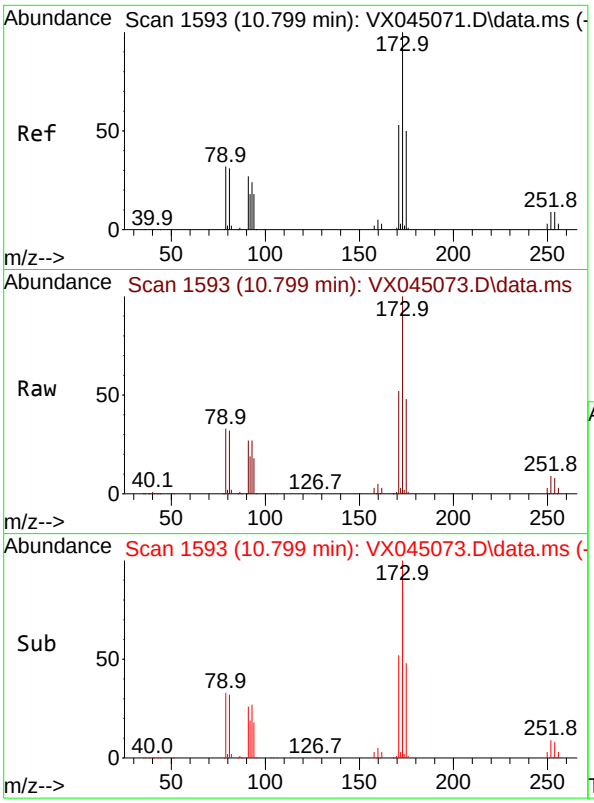


#70
Styrene
Concen: 150.979 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



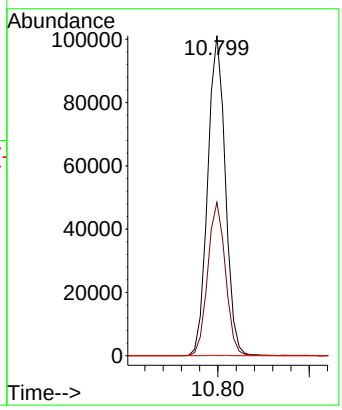


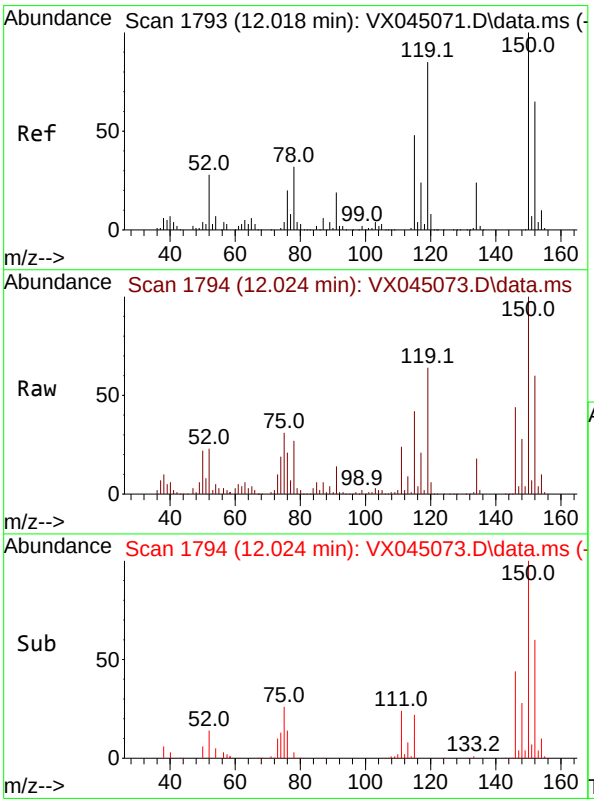
#71
Bromoform
Concen: 174.808 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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#

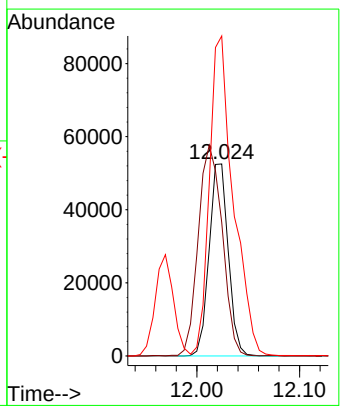


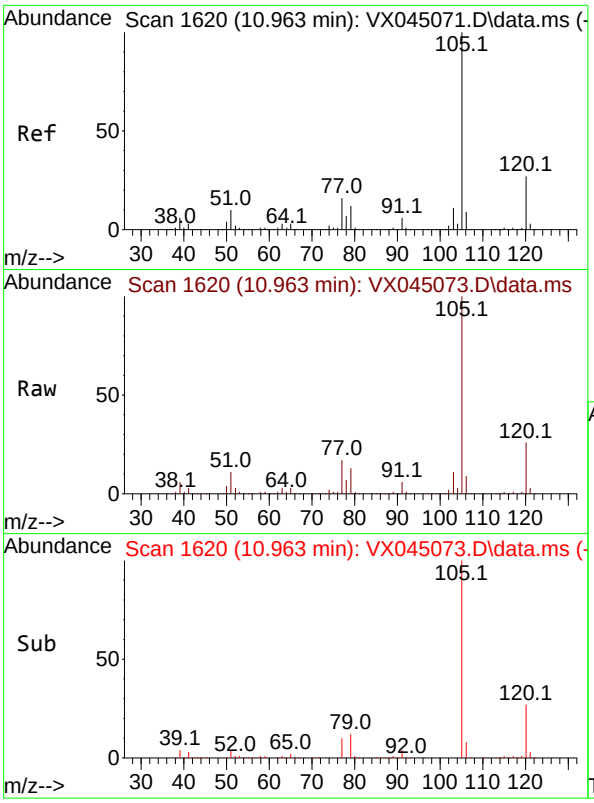


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



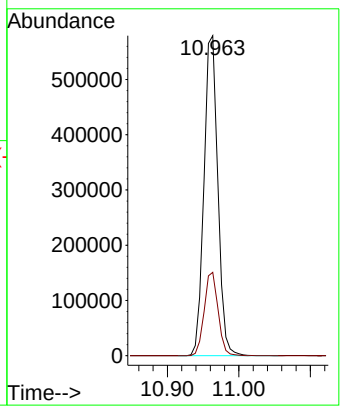


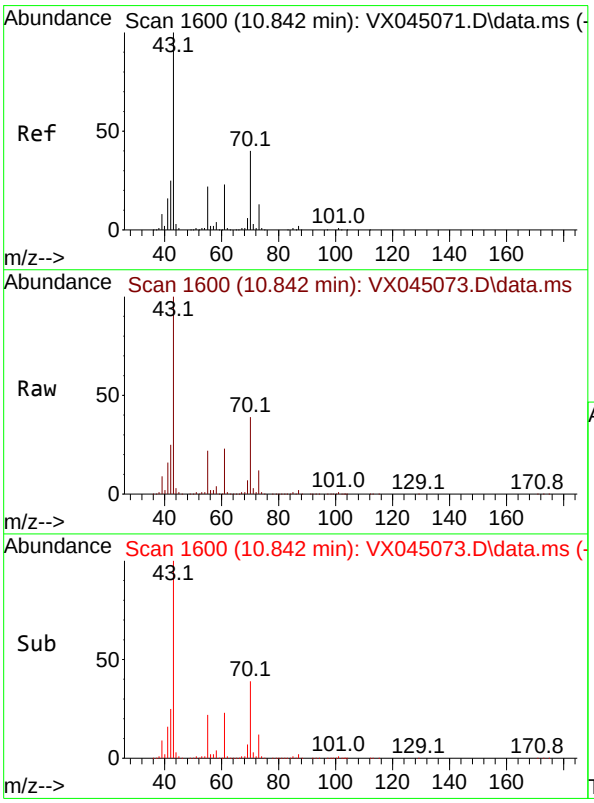
#73
Isopropylbenzene
Concen: 142.719 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 780706

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

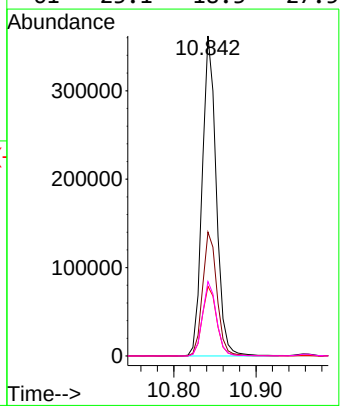


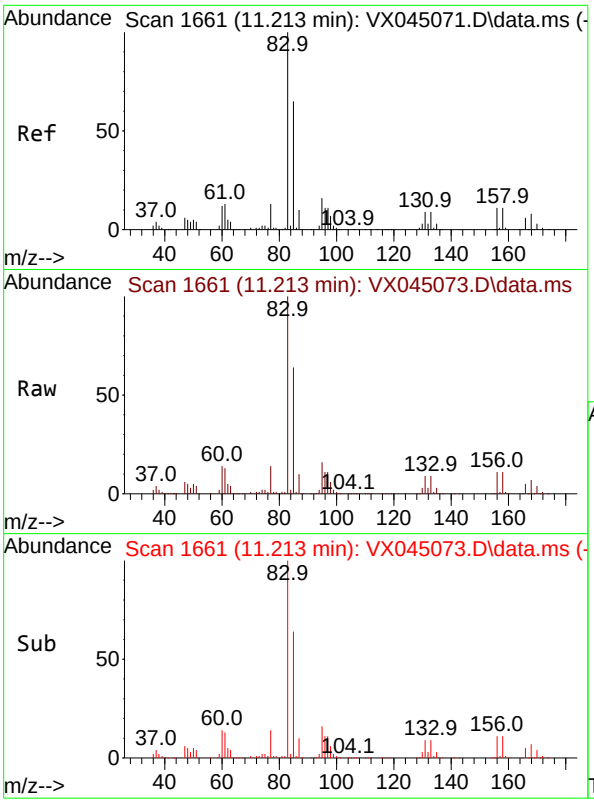


#74
N-amyl acetate
Concen: 173.042 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



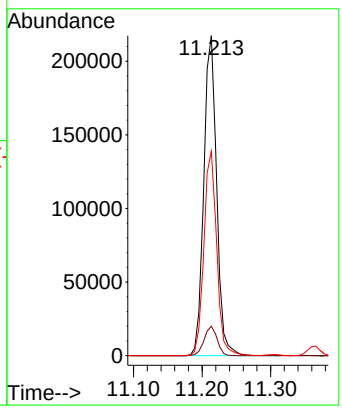


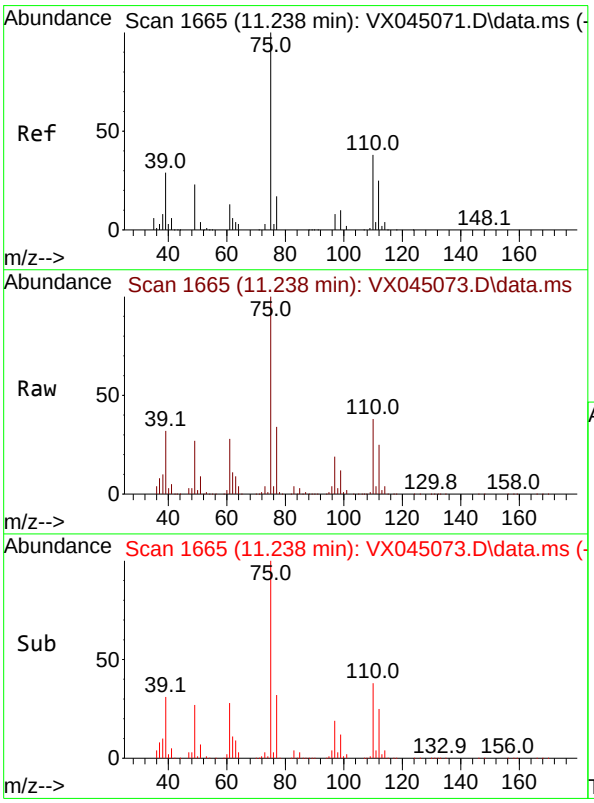
#75
1,1,2,2-Tetrachloroethane
Concen: 150.458 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

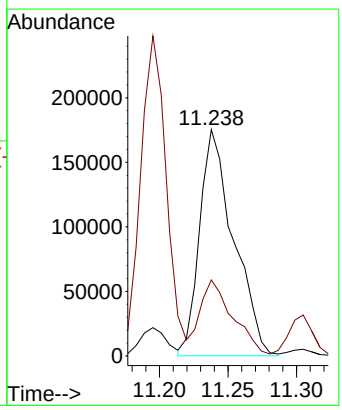


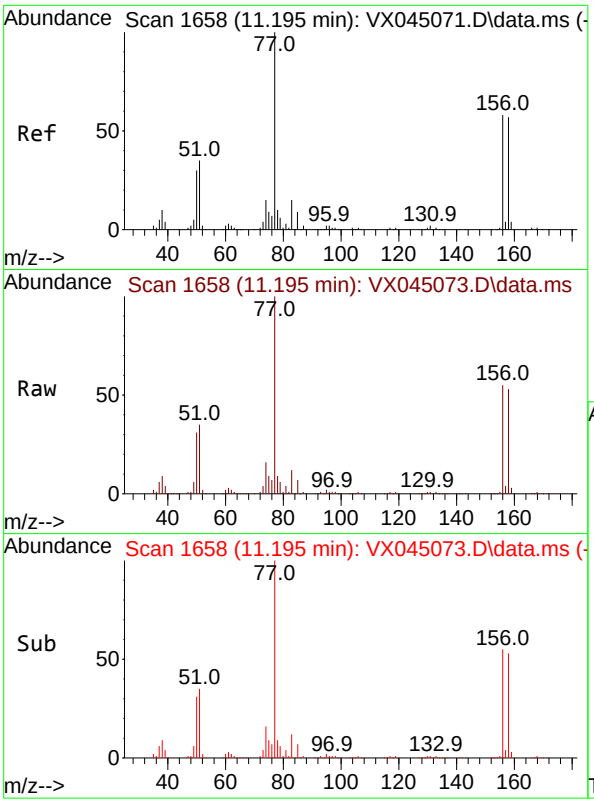


#76
1,2,3-Trichloropropane
Concen: 201.103 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 75 Resp: 303633

Ion	Ratio	Lower	Upper
75	100		
77	32.6	20.7	62.1



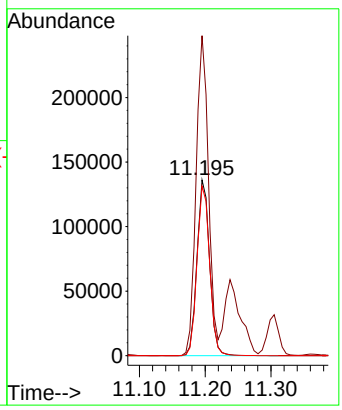


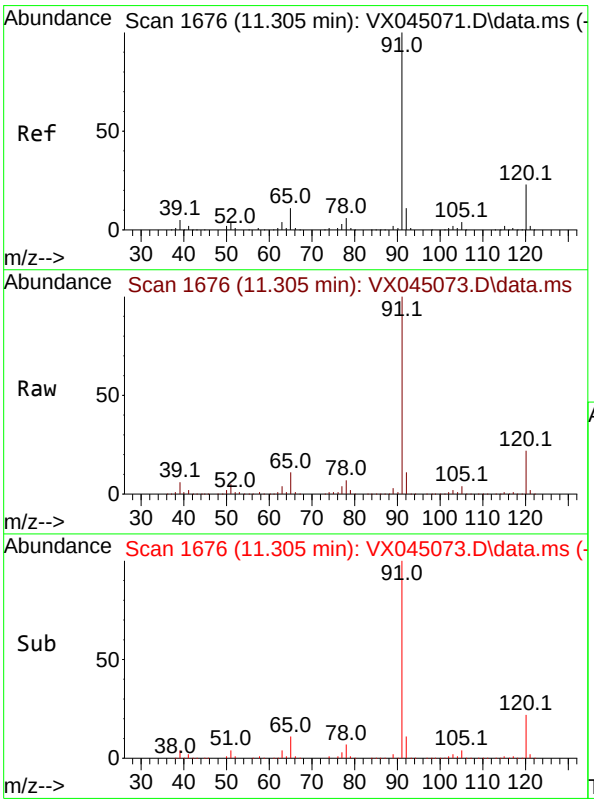
#77
Bromobenzene
Concen: 145.760 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

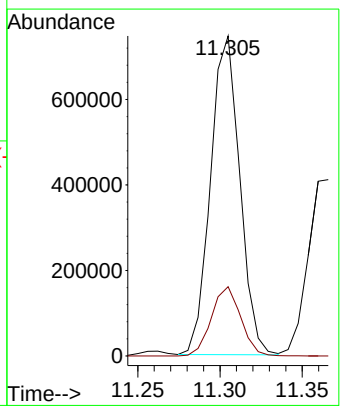


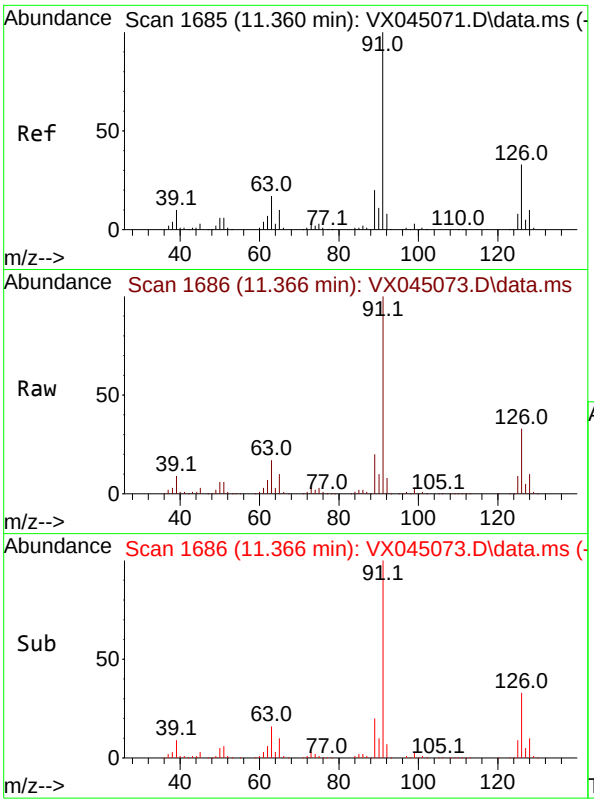


#78
n-propylbenzene
Concen: 146.395 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 923593

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



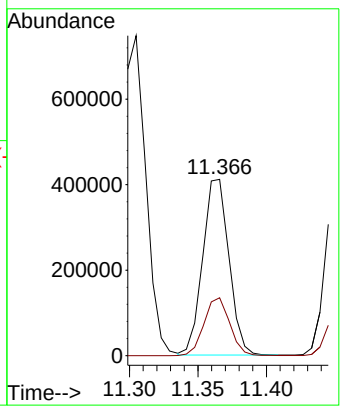


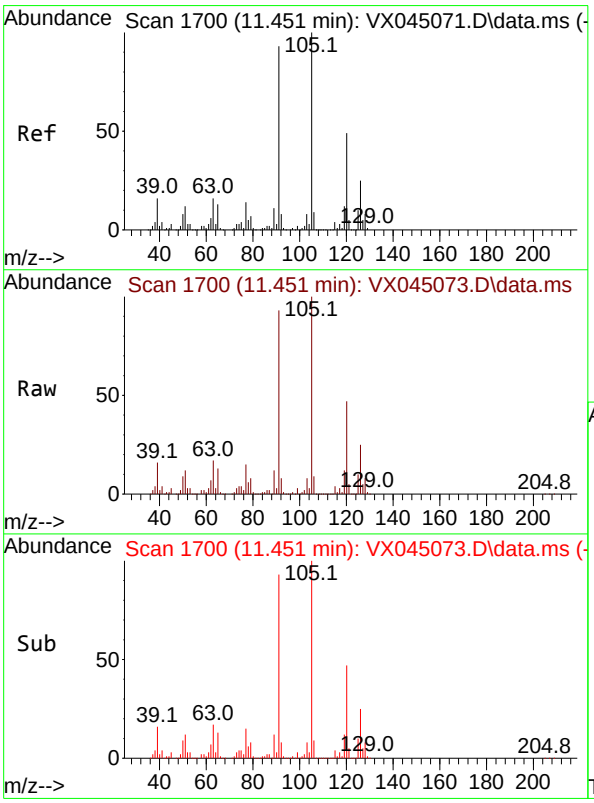
#79
2-Chlorotoluene
Concen: 141.695 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 548695

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4

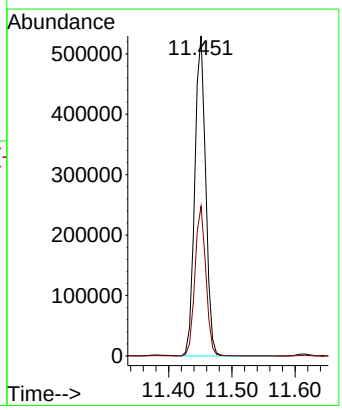


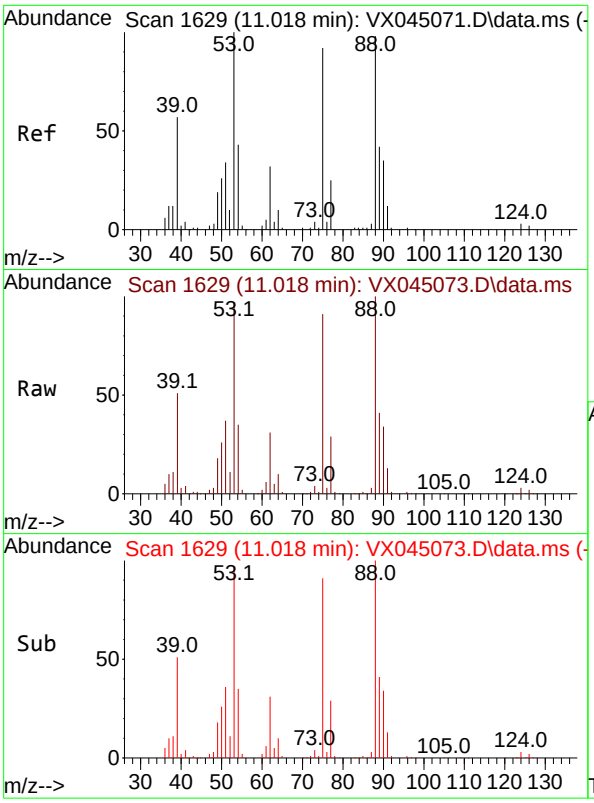


#80
1,3,5-Trimethylbenzene
Concen: 143.293 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 635832

Ion	Ratio	Lower	Upper
105	100		
120	46.7	24.1	72.2



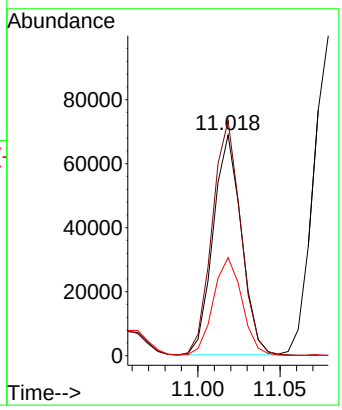


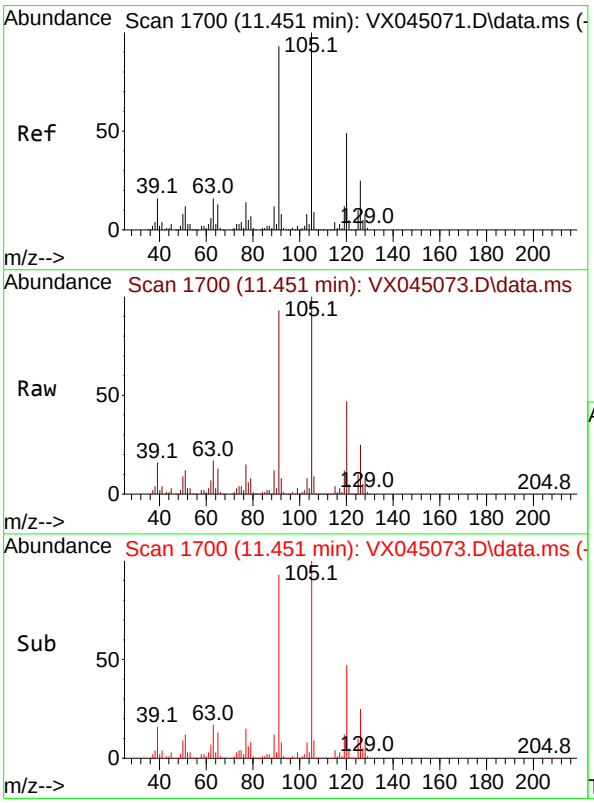
#81
trans-1,4-Dichloro-2-butene
Concen: 147.761 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

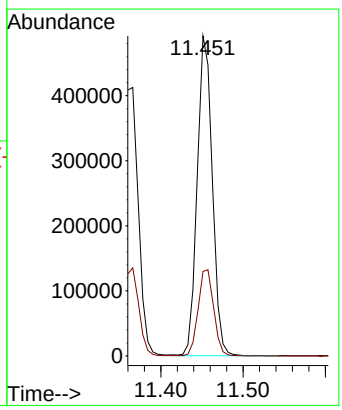


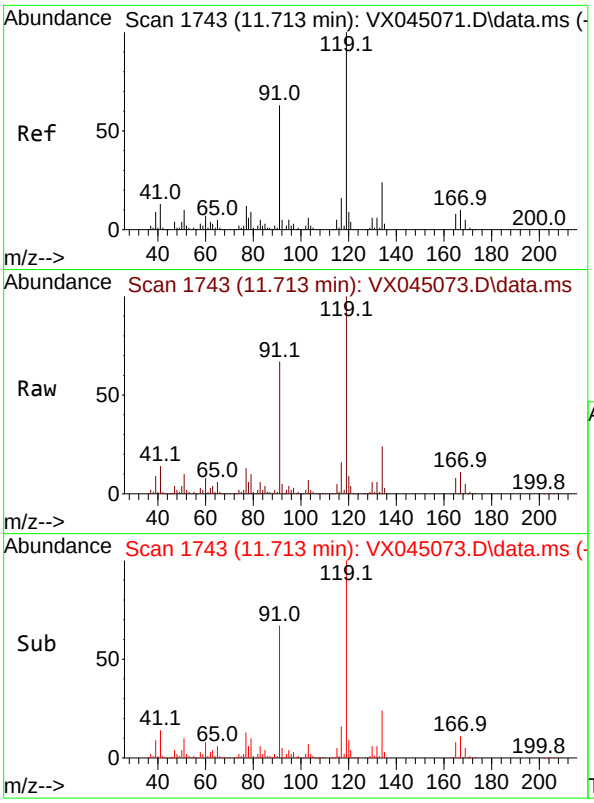


#82
4-Chlorotoluene
Concen: 146.464 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion: 91 Resp: 627816

Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.1	42.4



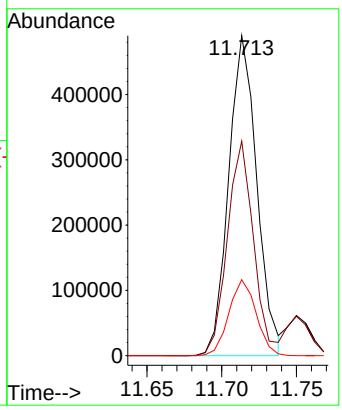


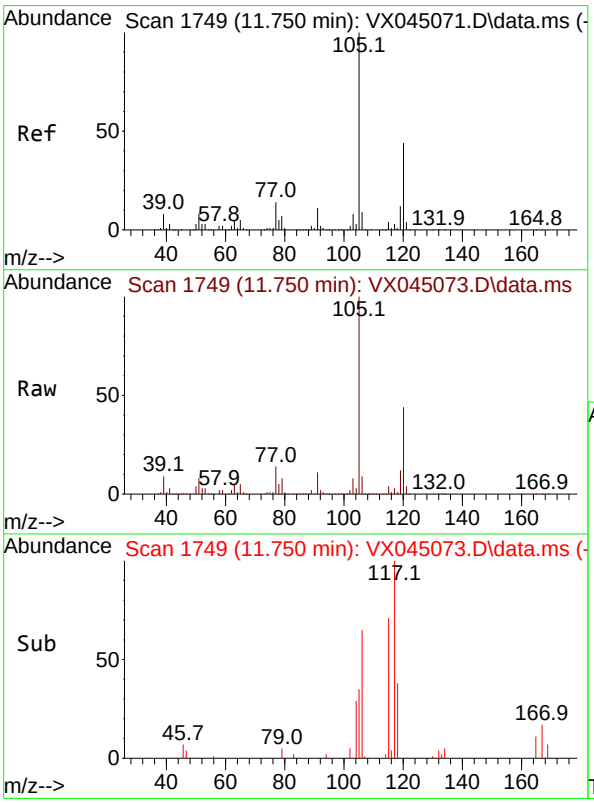
#83
tert-Butylbenzene
Concen: 142.974 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

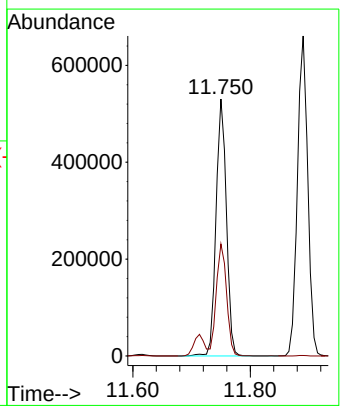


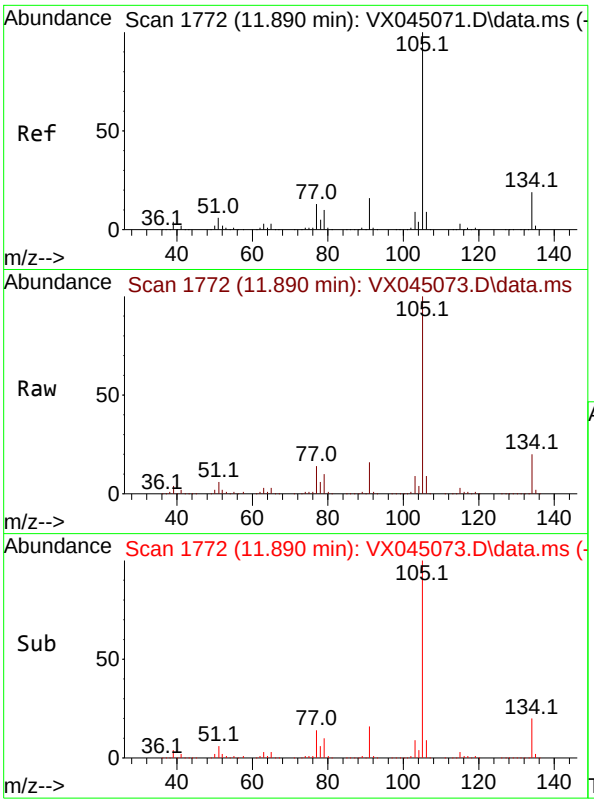


#84
1,2,4-Trimethylbenzene
Concen: 148.135 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:105 Resp: 647248

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.1



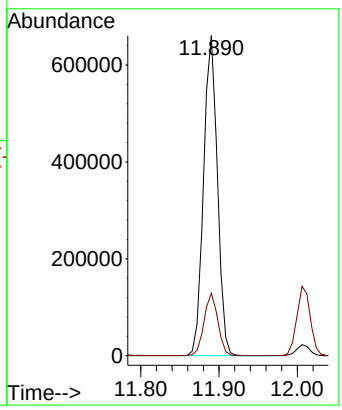


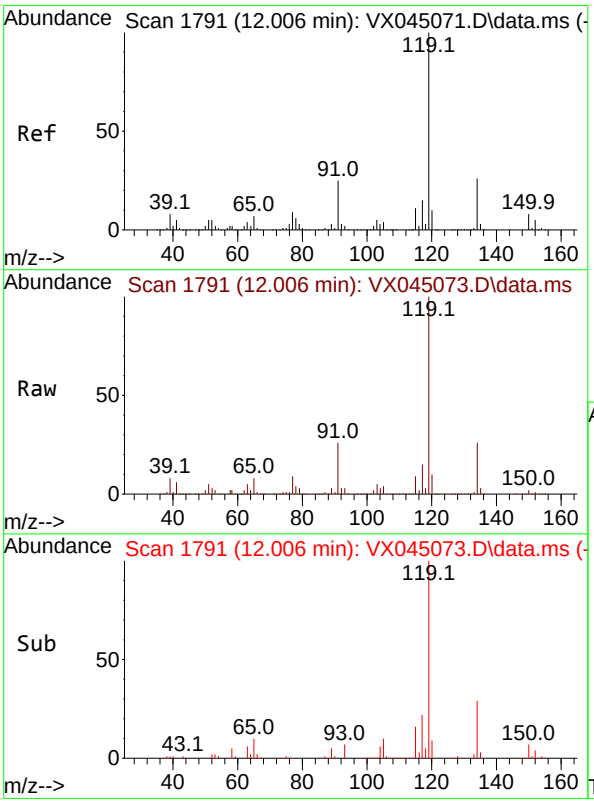
#85
sec-Butylbenzene
Concen: 145.383 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 807713

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.4

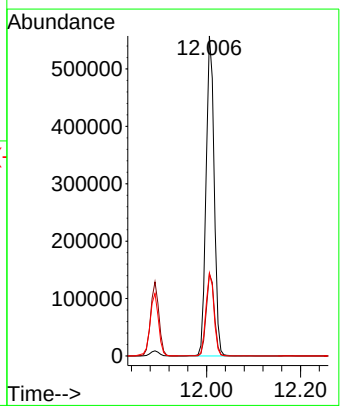


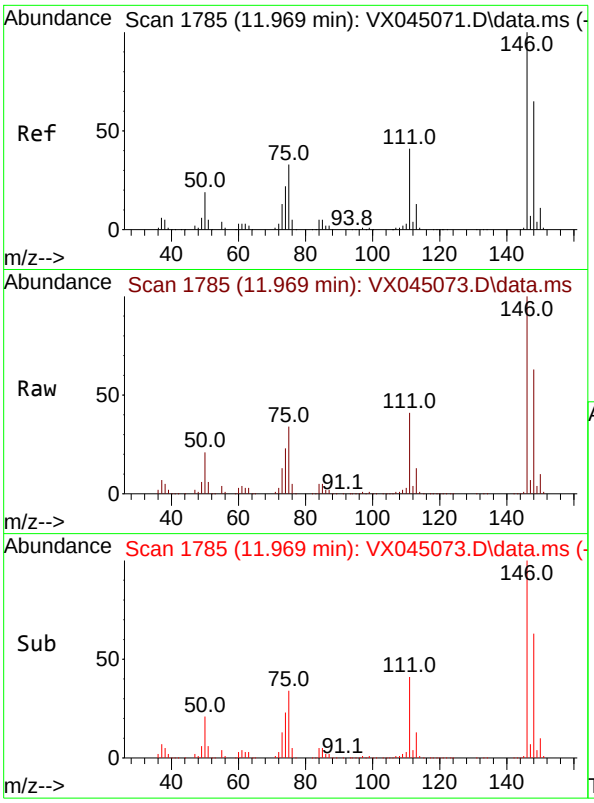


#86
p-Isopropyltoluene
Concen: 149.075 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



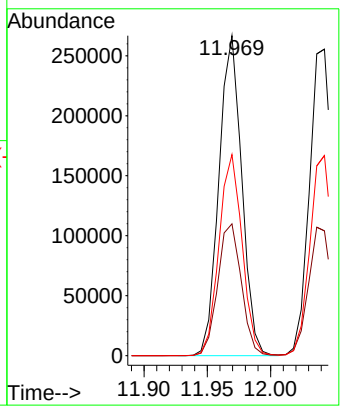


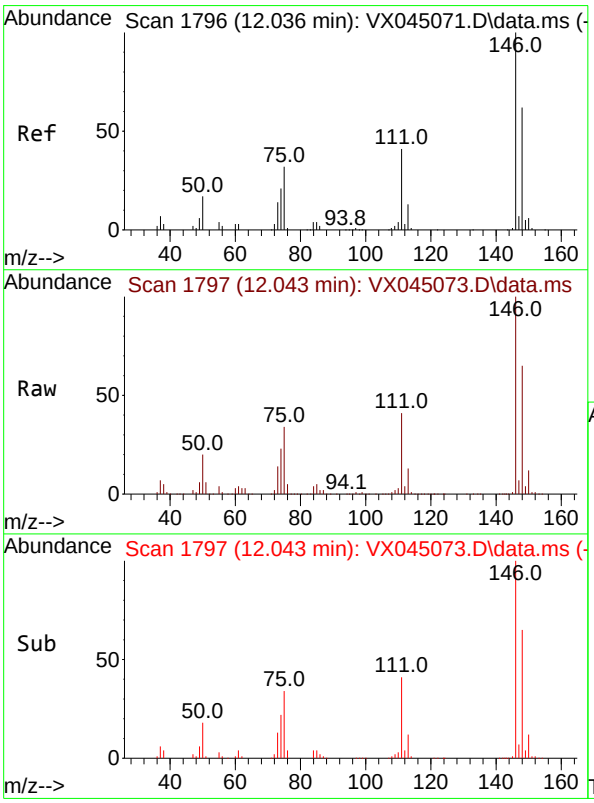
#87
1,3-Dichlorobenzene
Concen: 147.488 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

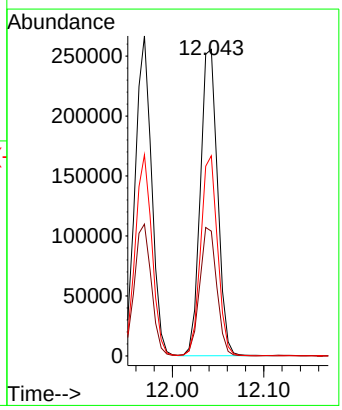


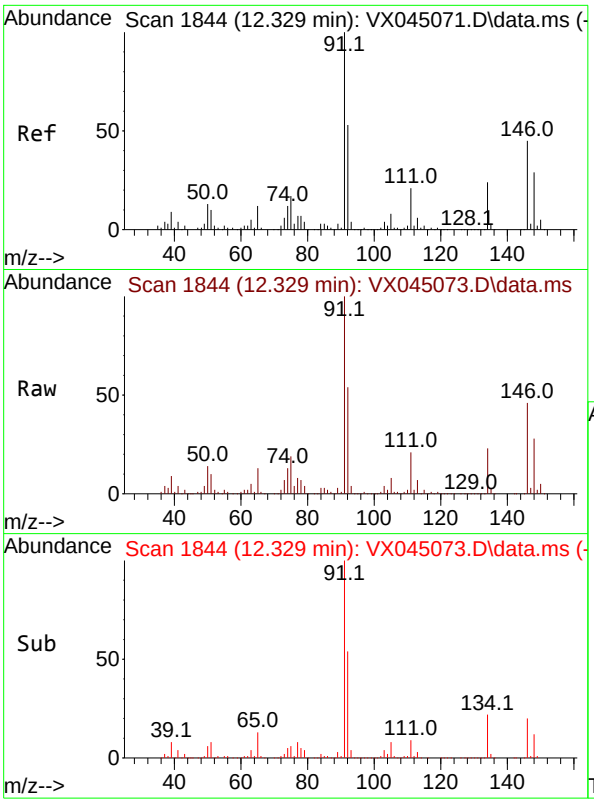


#88
1,4-Dichlorobenzene
Concen: 145.189 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



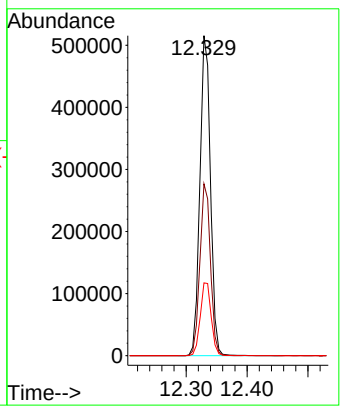


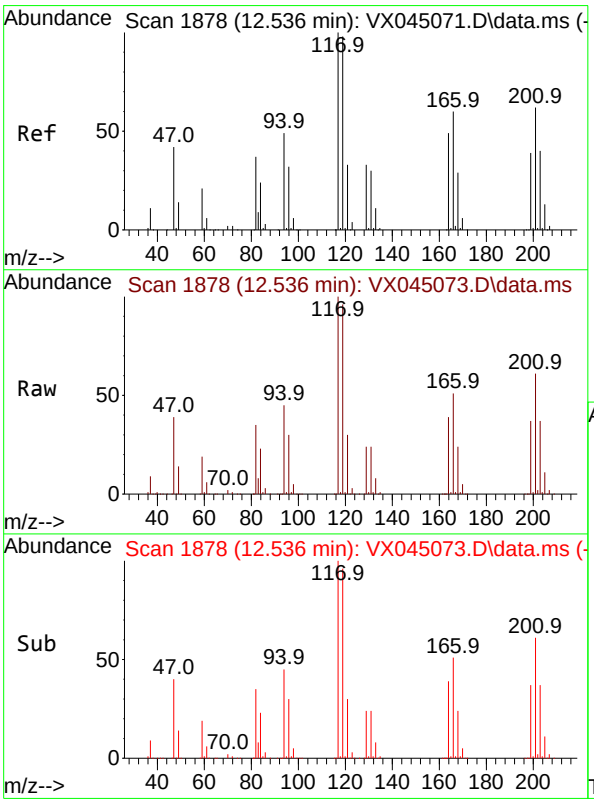
#89
n-Butylbenzene
Concen: 158.324 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

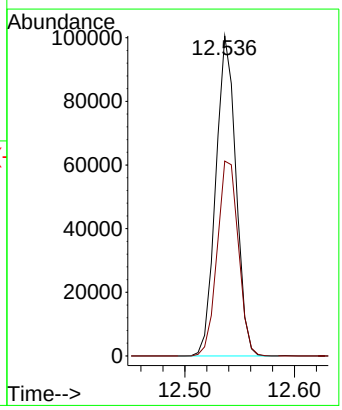


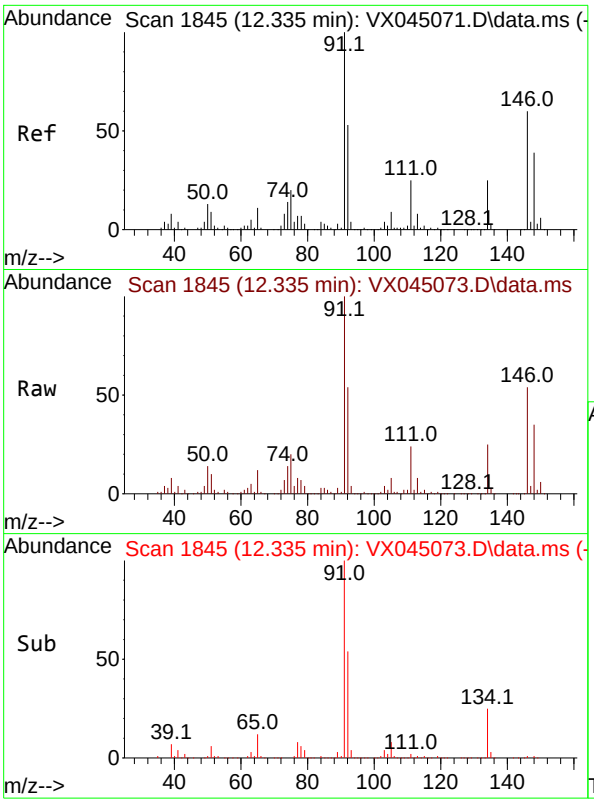


#90
Hexachloroethane
Concen: 154.554 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

Tgt Ion:117 Resp: 128582

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.9	95.9



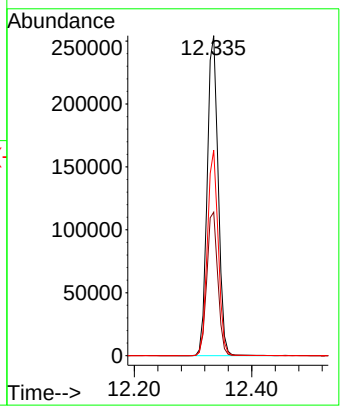


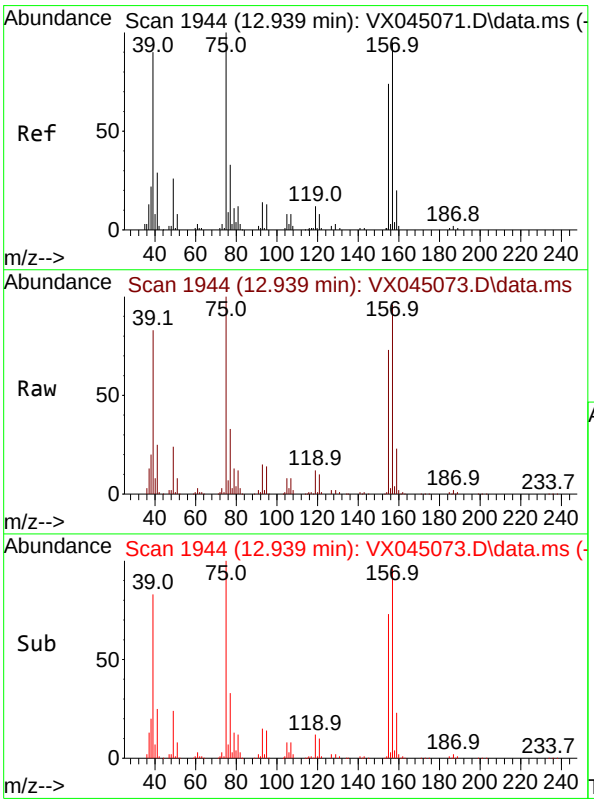
#91
1,2-Dichlorobenzene
Concen: 147.436 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

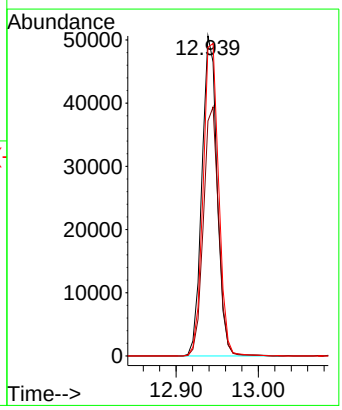


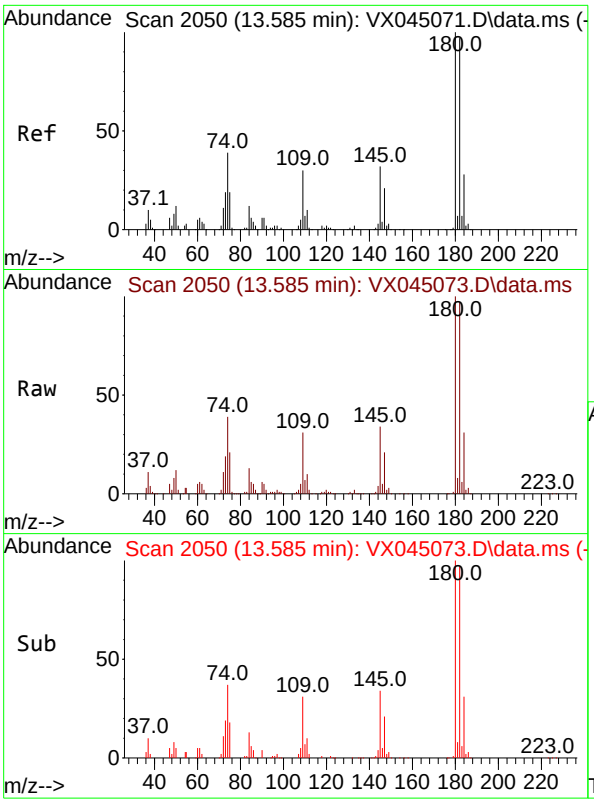


#92
1,2-Dibromo-3-Chloropropane
Concen: 186.240 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



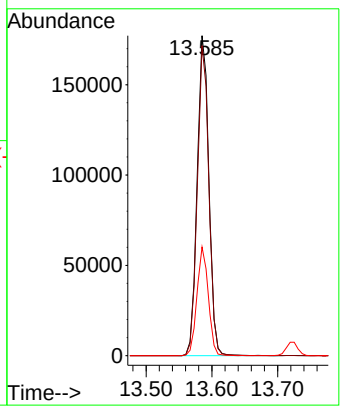


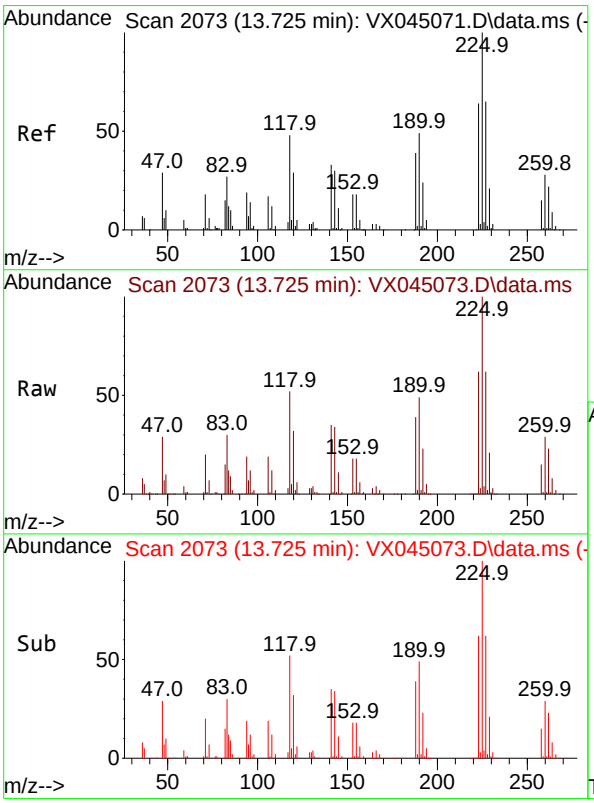
#93
1,2,4-Trichlorobenzene
Concen: 162.416 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

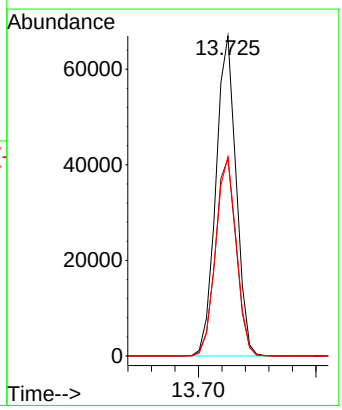


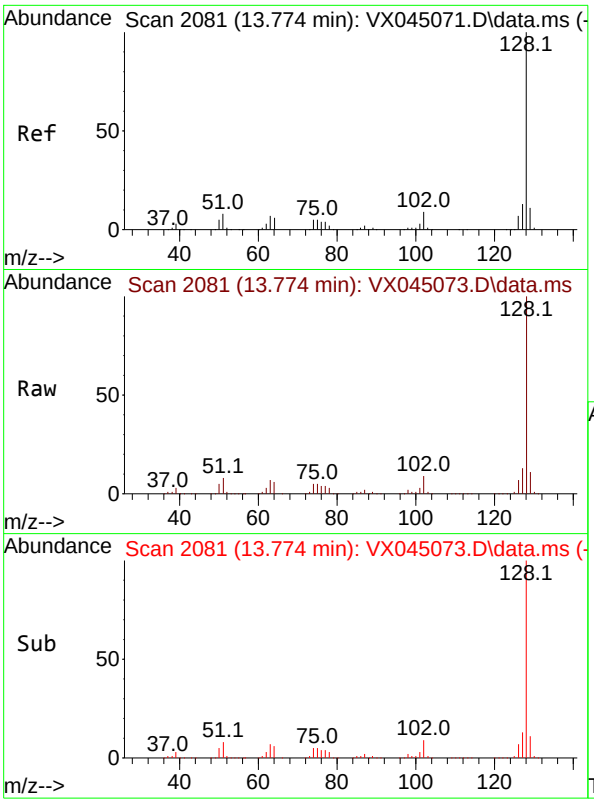


#94
Hexachlorobutadiene
Concen: 149.034 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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



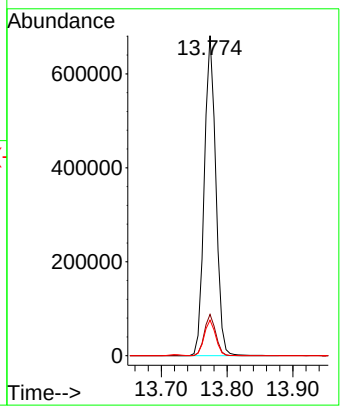


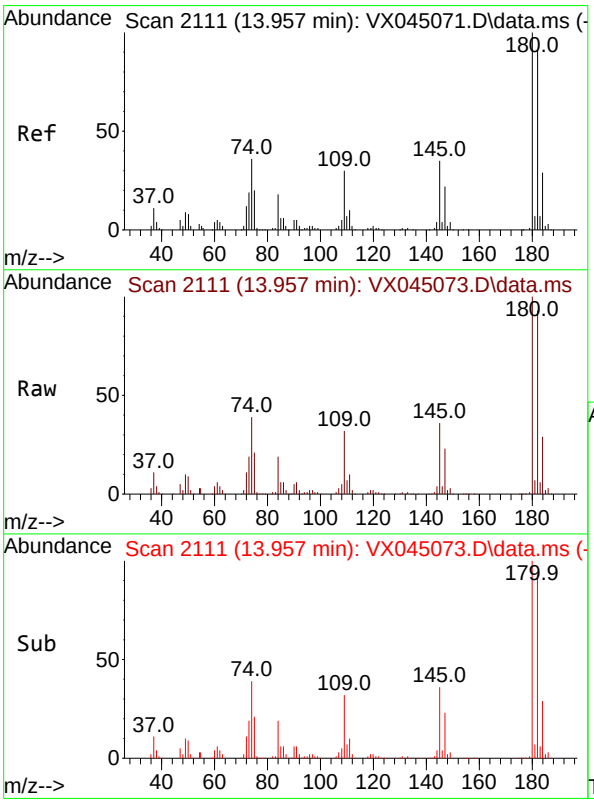
#95
Naphthalene
Concen: 168.538 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

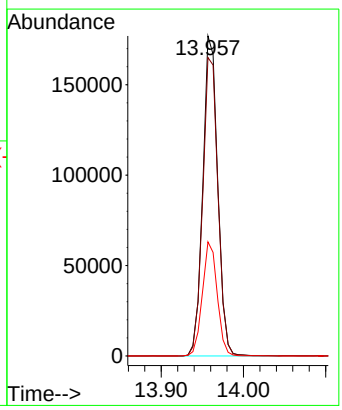




#96
1,2,3-Trichlorobenzene
Concen: 162.727 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045073.D
Acq: 28 Feb 2025 03:47

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

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)

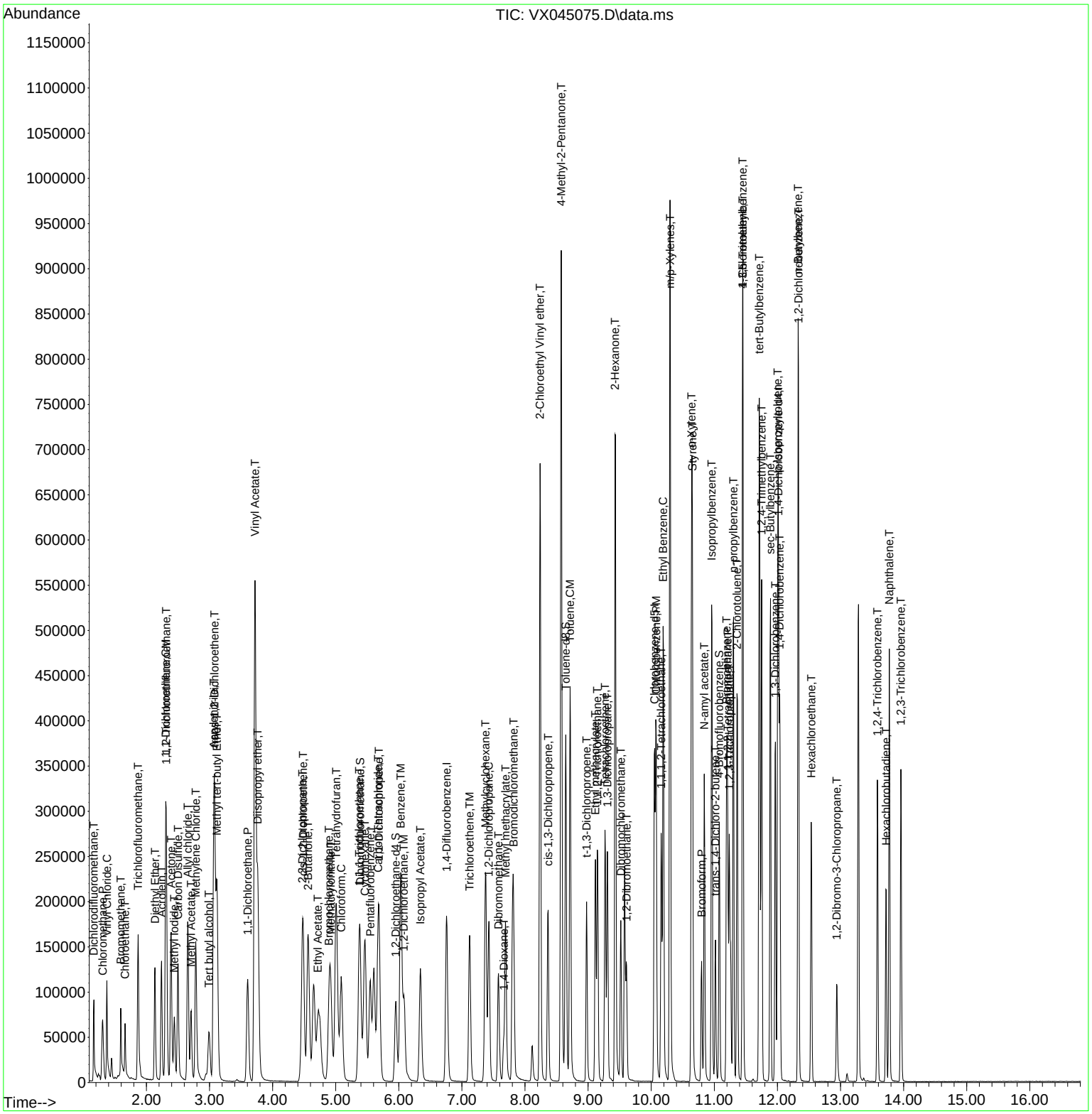
(#) = qualifier out of range (m) = manual integration (+) = signals summed

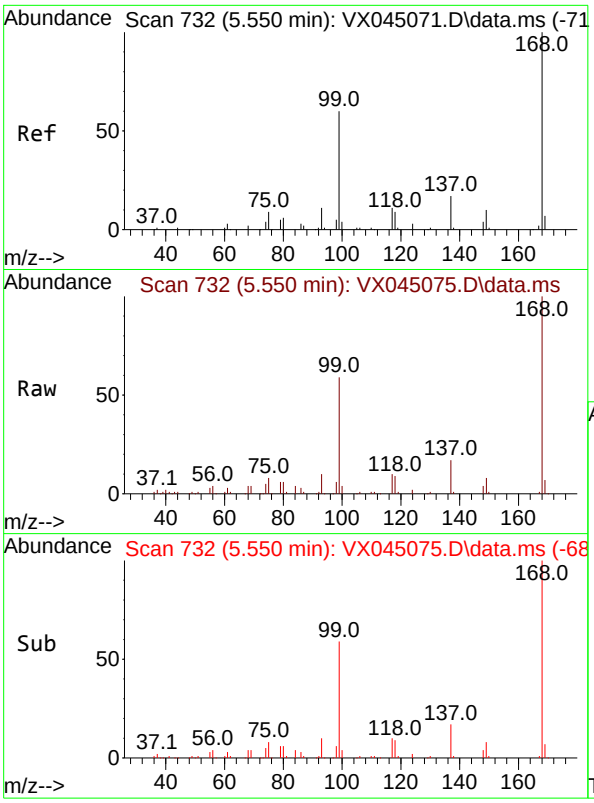
Quantitation Report (Not Reviewed)

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



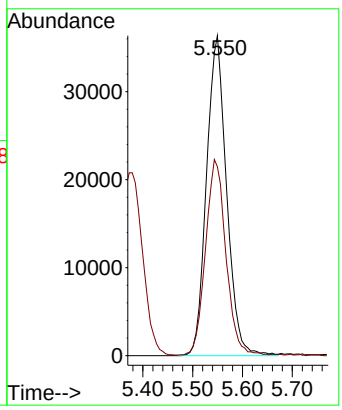


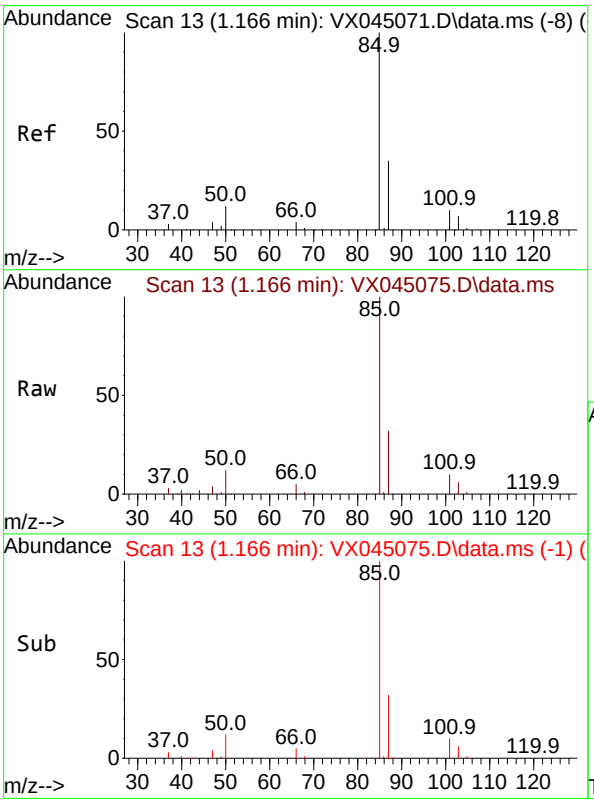
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:168 Resp: 101603

Ion	Ratio	Lower	Upper
168	100		
99	58.9	48.2	72.4

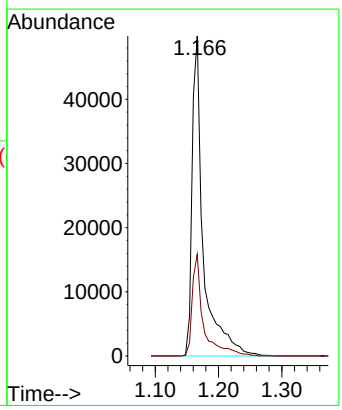


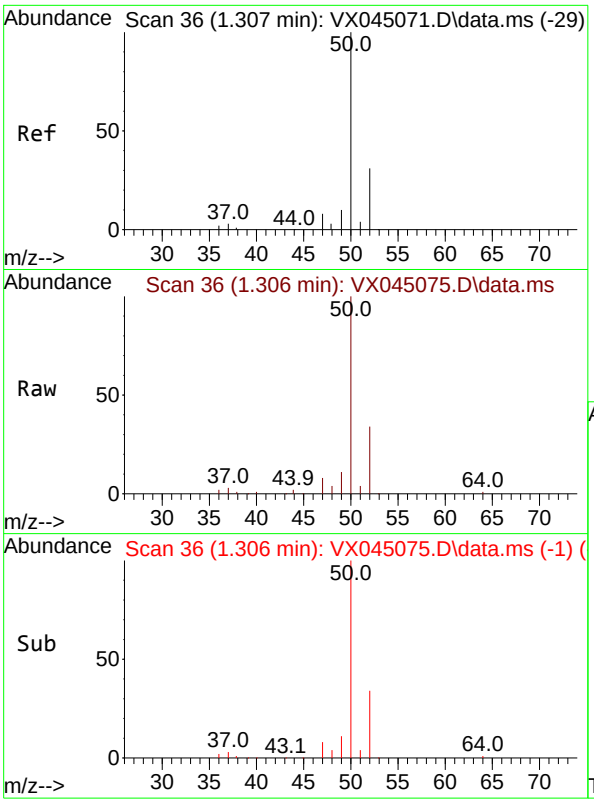


#2
Dichlorodifluoromethane
Concen: 47.933 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 85 Resp: 61303

Ion	Ratio	Lower	Upper
85	100		
87	31.8	17.4	52.3



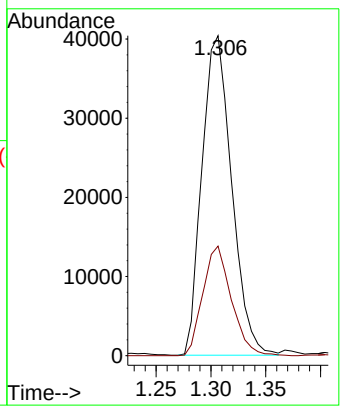


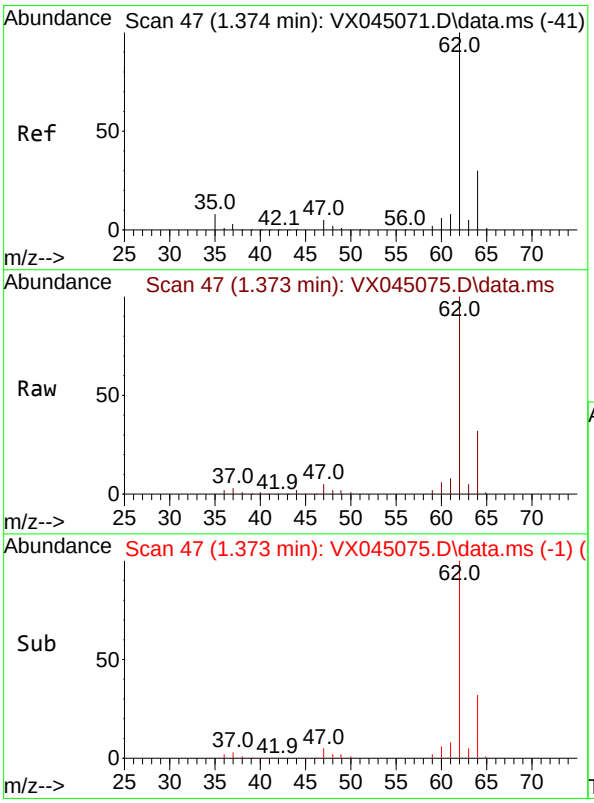
#3
Chloromethane
Concen: 48.696 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 50 Resp: 76216

Ion	Ratio	Lower	Upper
50	100		
52	34.3	25.0	37.4

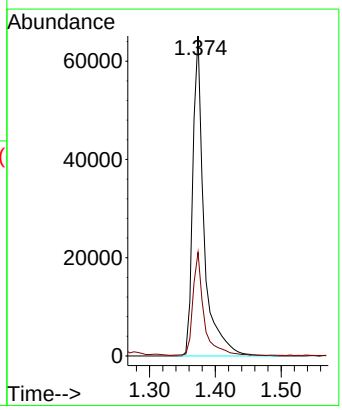


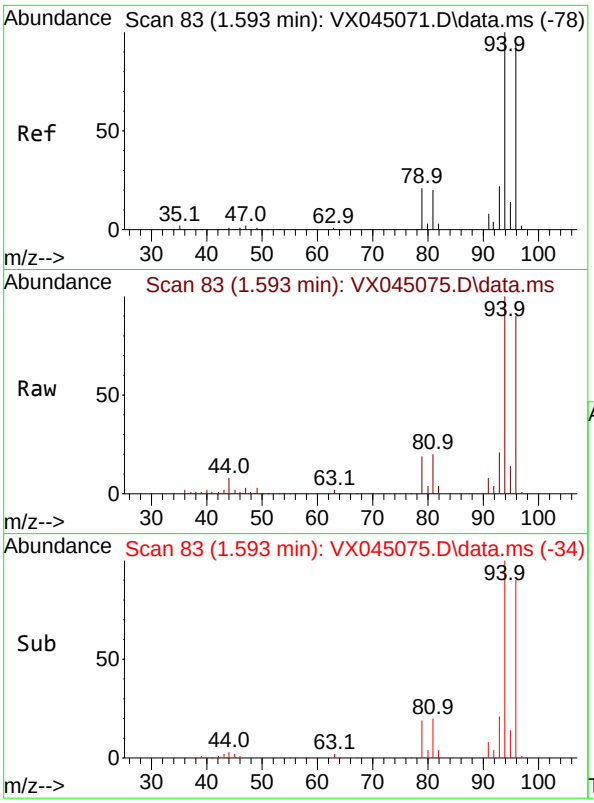


#4
Vinyl Chloride
Concen: 49.529 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 76901

Ion	Ratio	Lower	Upper
62	100		
64	32.2	24.3	36.5



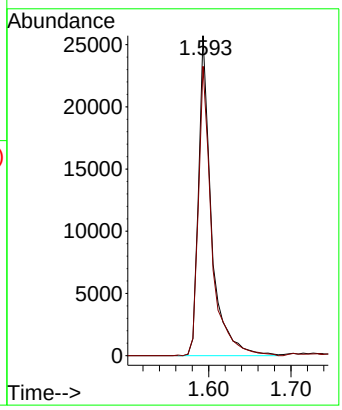


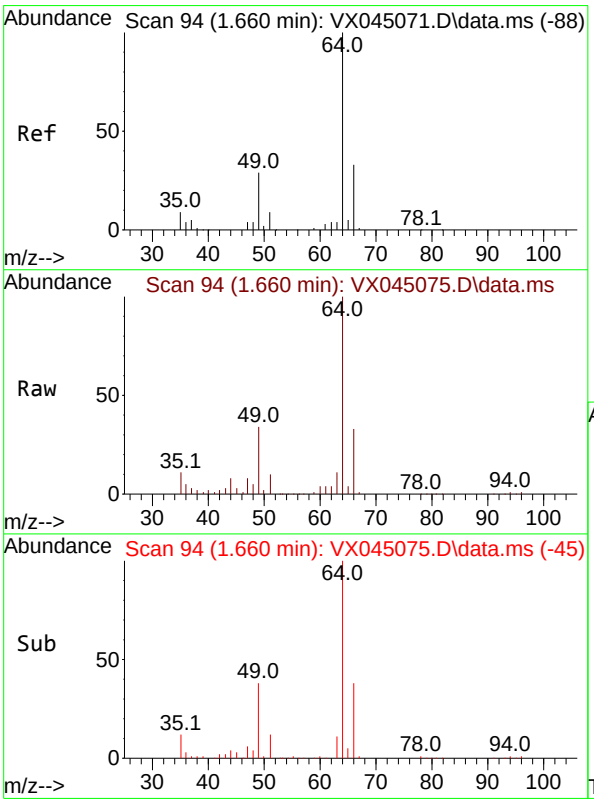
#5
Bromomethane
Concen: 46.190 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 94 Resp: 28193

Ion	Ratio	Lower	Upper
94	100		
96	90.5	75.0	112.4

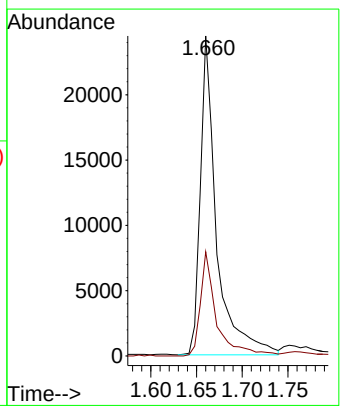


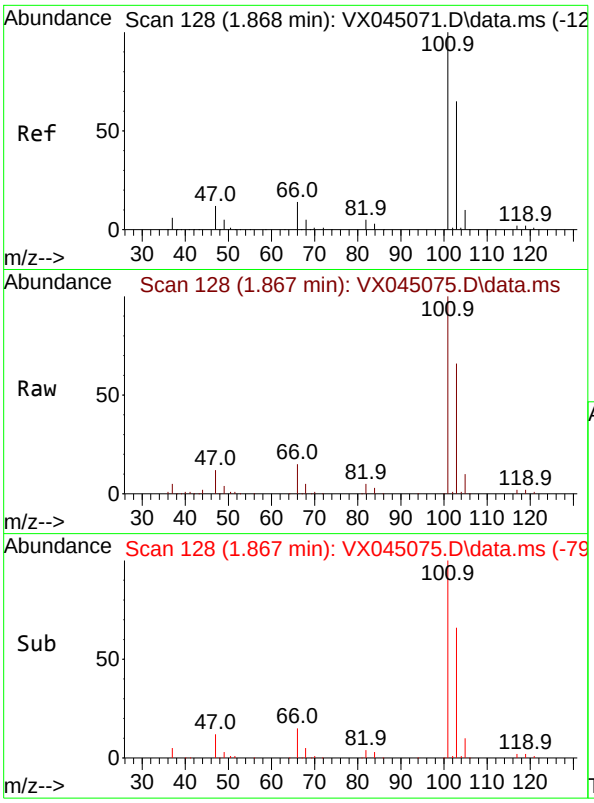


#6
Chloroethane
Concen: 41.948 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 64 Resp: 30042

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.7	40.1



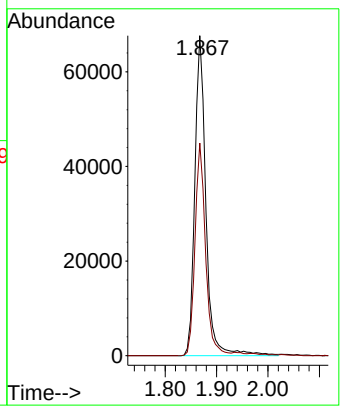


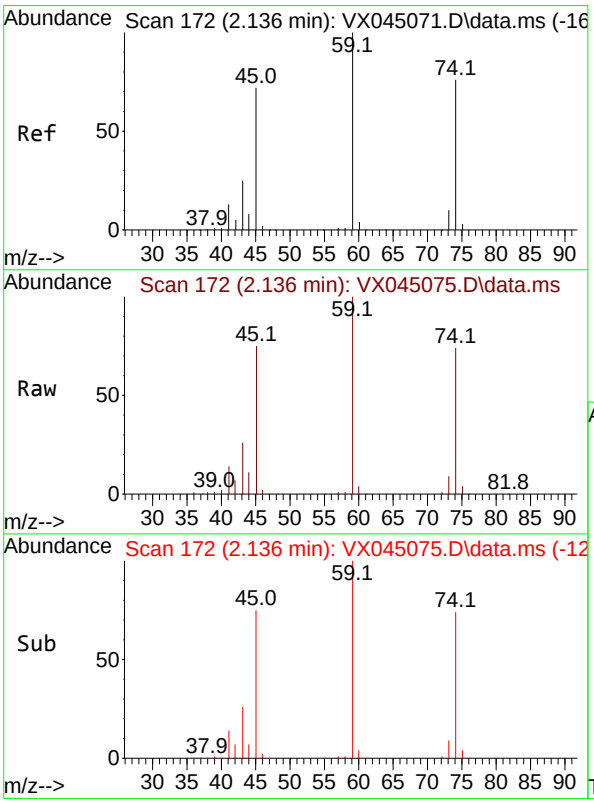
#7
Trichlorofluoromethane
Concen: 49.569 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:101 Resp: 101886

Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.1	78.1

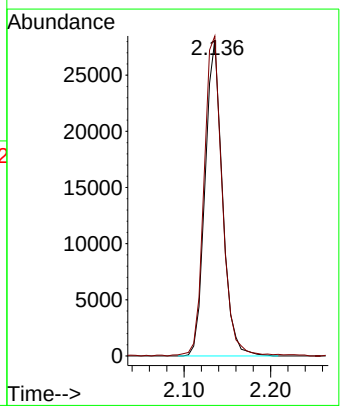


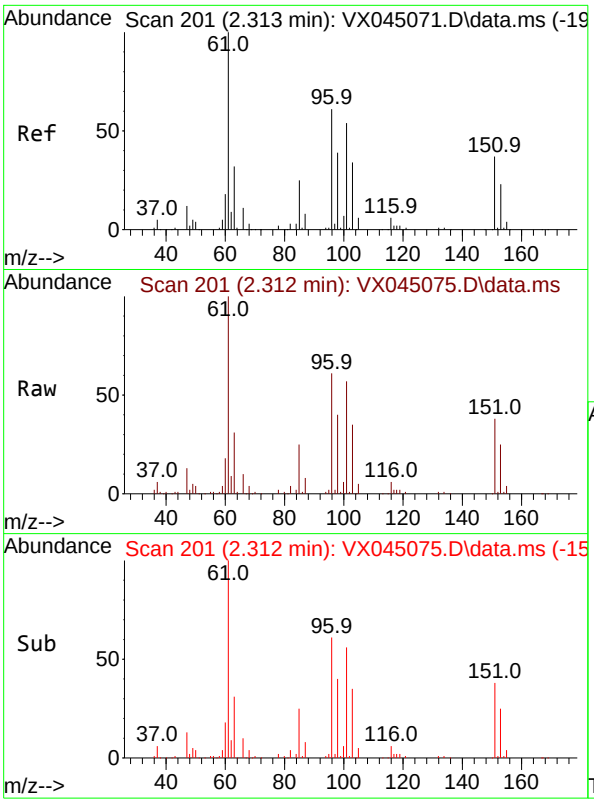


#8
Diethyl Ether
Concen: 48.651 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 74 Resp: 39113

Ion	Ratio	Lower	Upper
74	100		
45	107.2	51.5	154.5



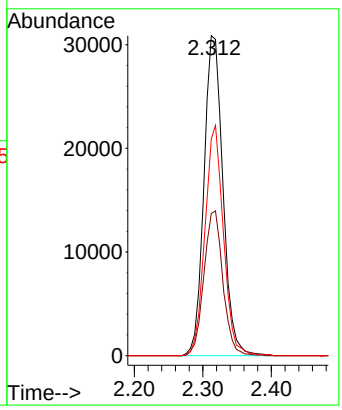


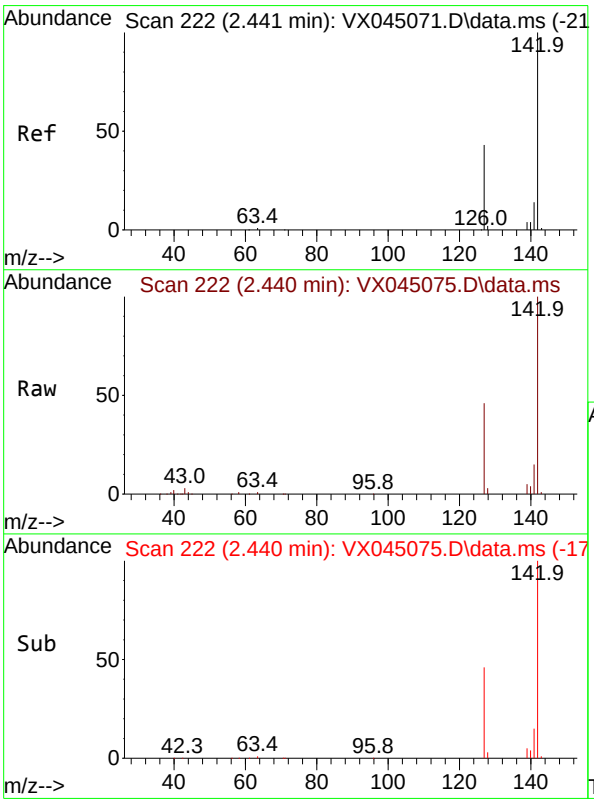
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.367 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

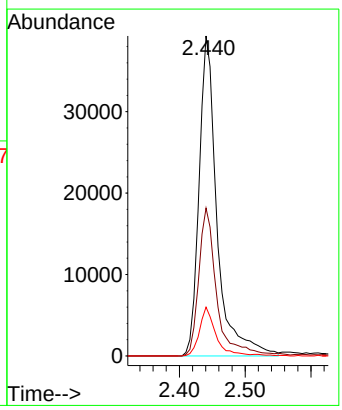


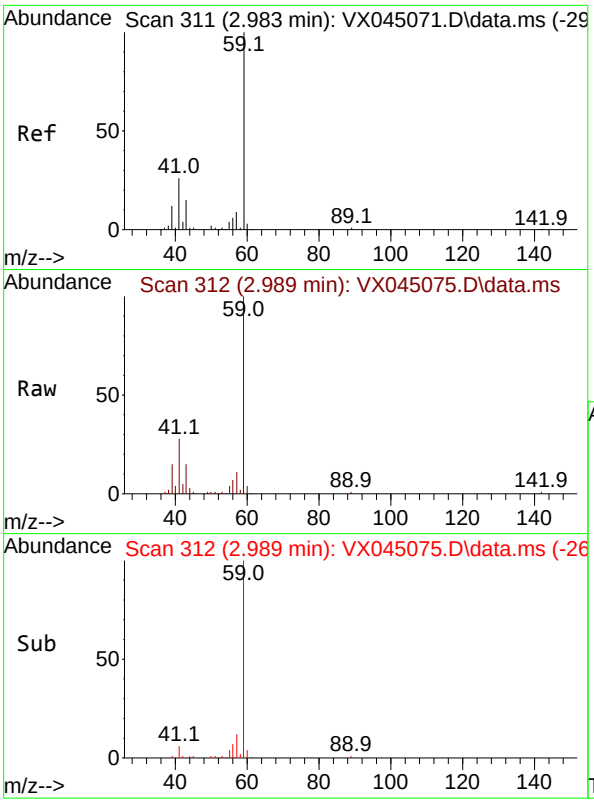


#10
Methyl Iodide
Concen: 50.541 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



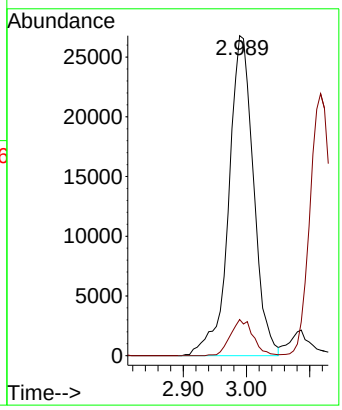


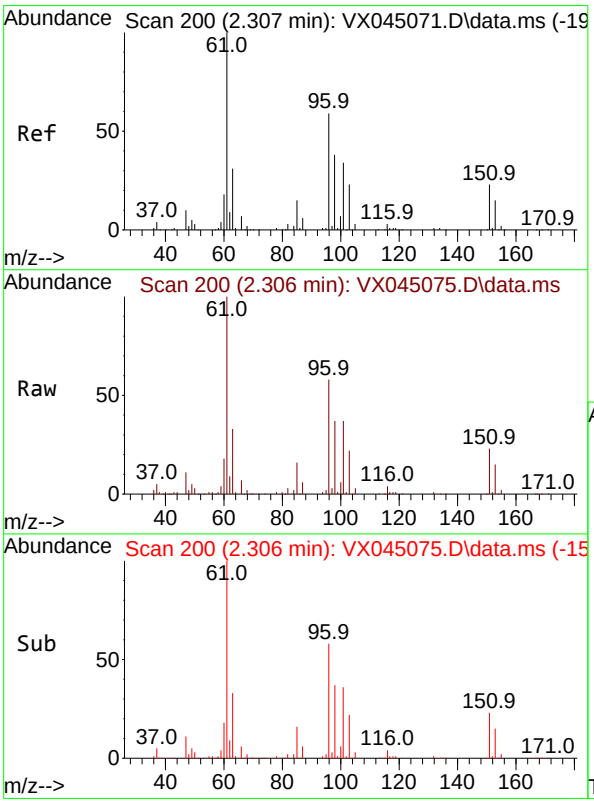
#11
Tert butyl alcohol
Concen: 238.577 ug/l
RT: 2.989 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 59 Resp: 73034

Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

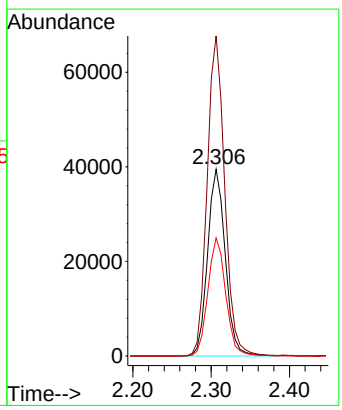


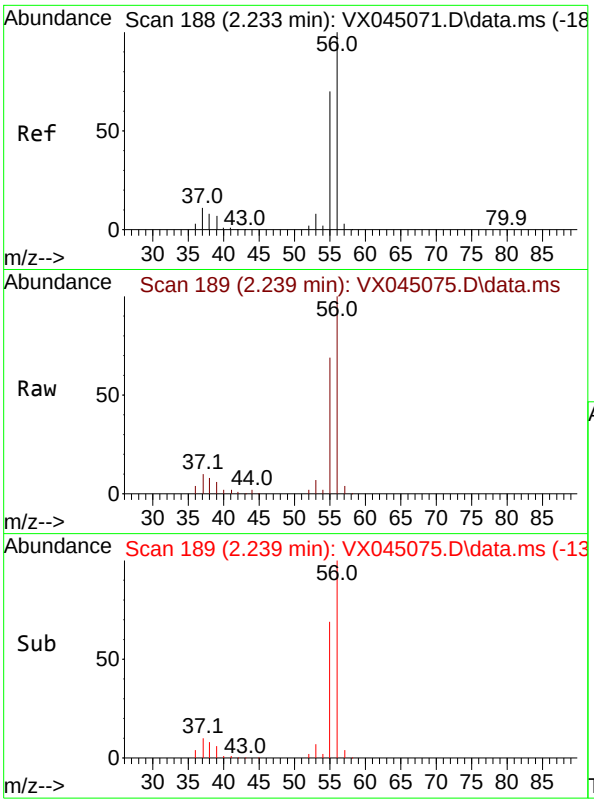


#12
1,1-Dichloroethene
Concen: 49.568 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



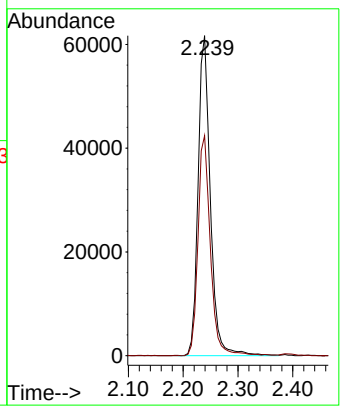


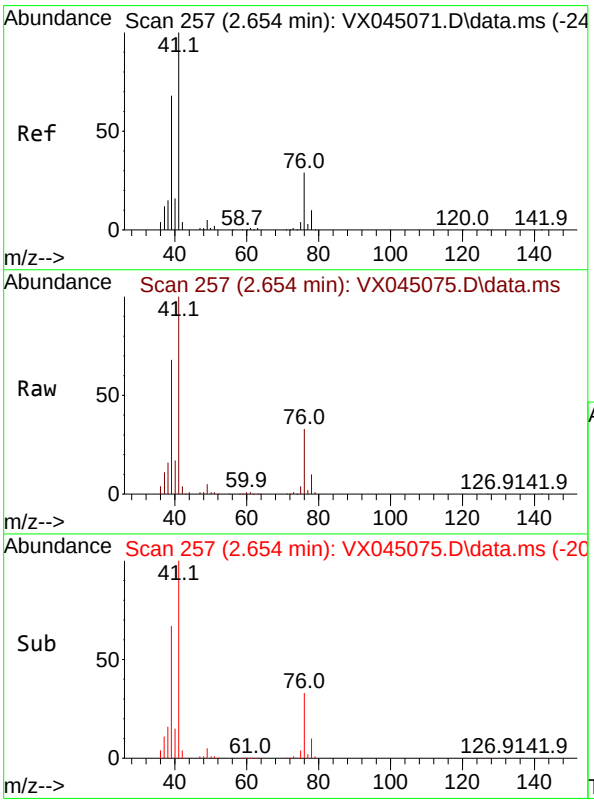
#13
Acrolein
Concen: 271.255 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 56 Resp: 95989

Ion	Ratio	Lower	Upper
56	100		
55	69.5	56.2	84.4

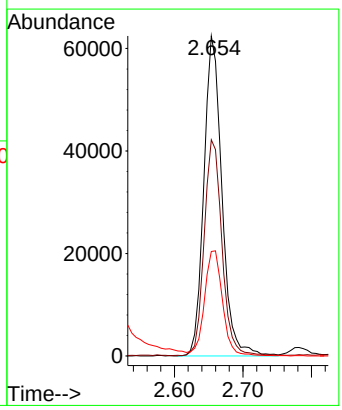


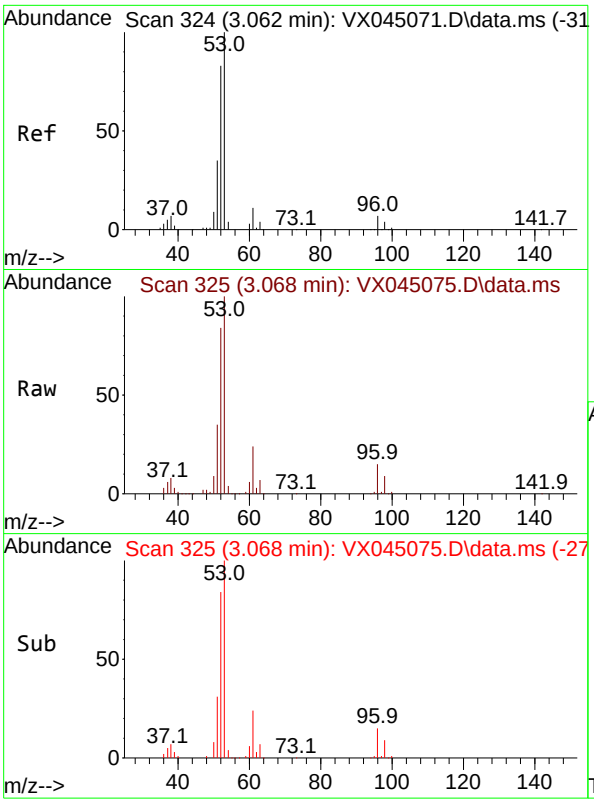


#14
Allyl chloride
Concen: 51.691 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



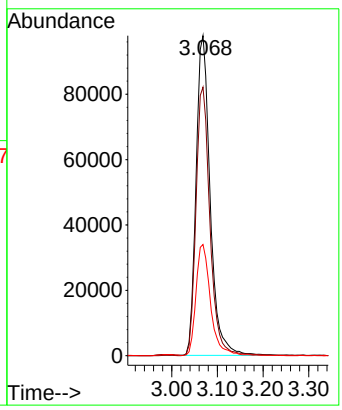


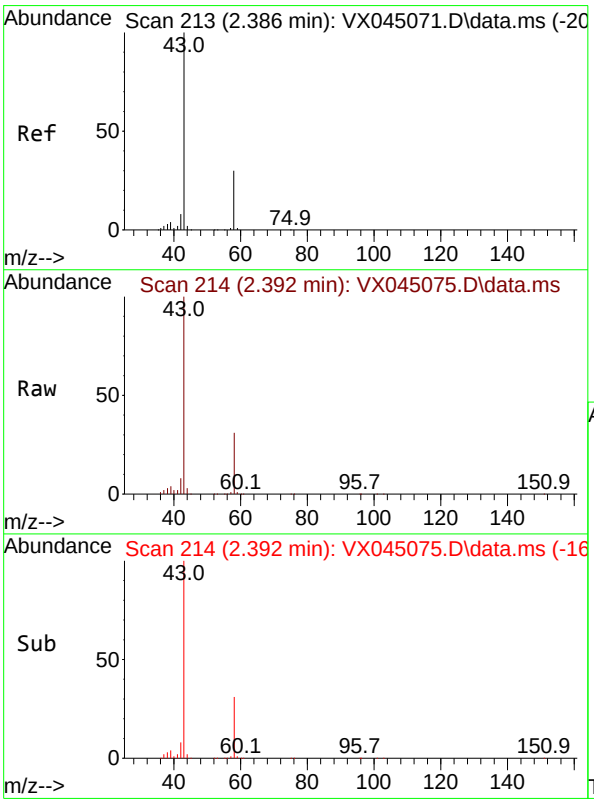
#15
Acrylonitrile
Concen: 255.479 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

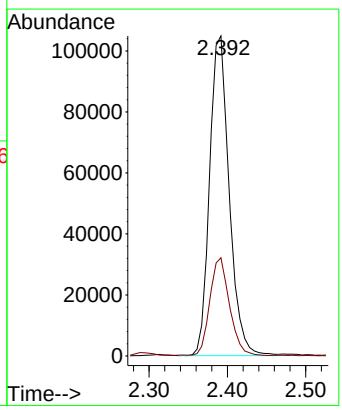


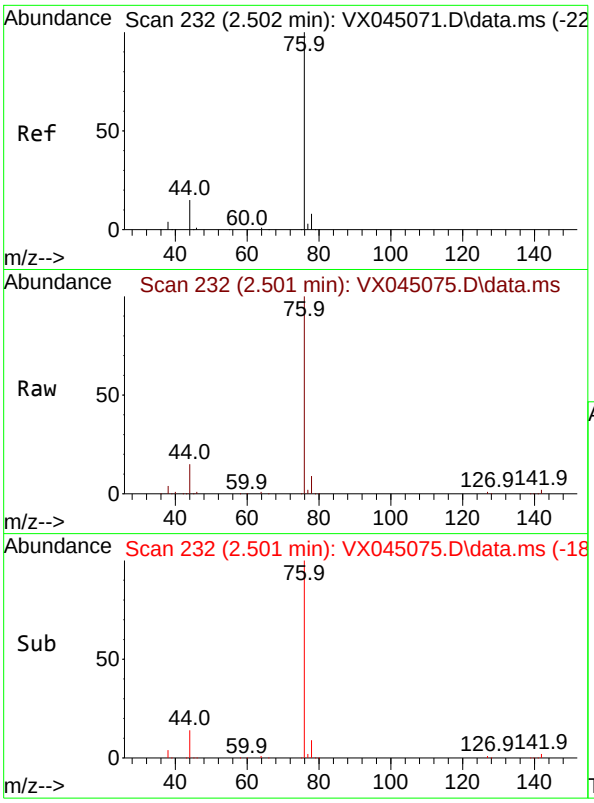


#16
Acetone
Concen: 242.877 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 182119

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.2	36.4



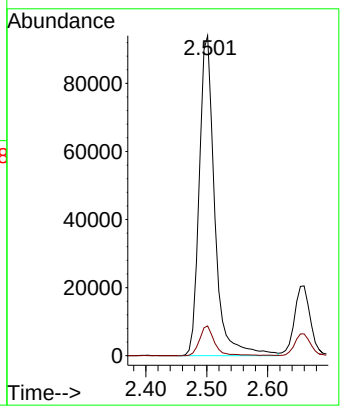


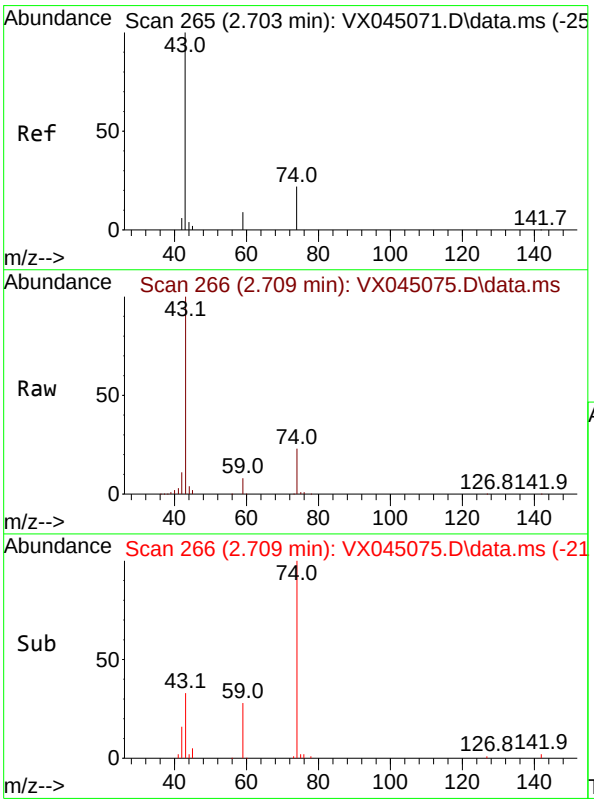
#17
Carbon Disulfide
Concen: 49.952 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 76 Resp: 166105

Ion	Ratio	Lower	Upper
76	100		
78	9.3	6.6	9.8

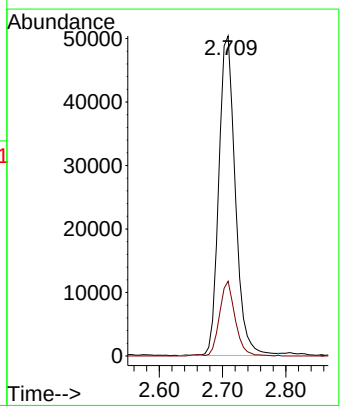


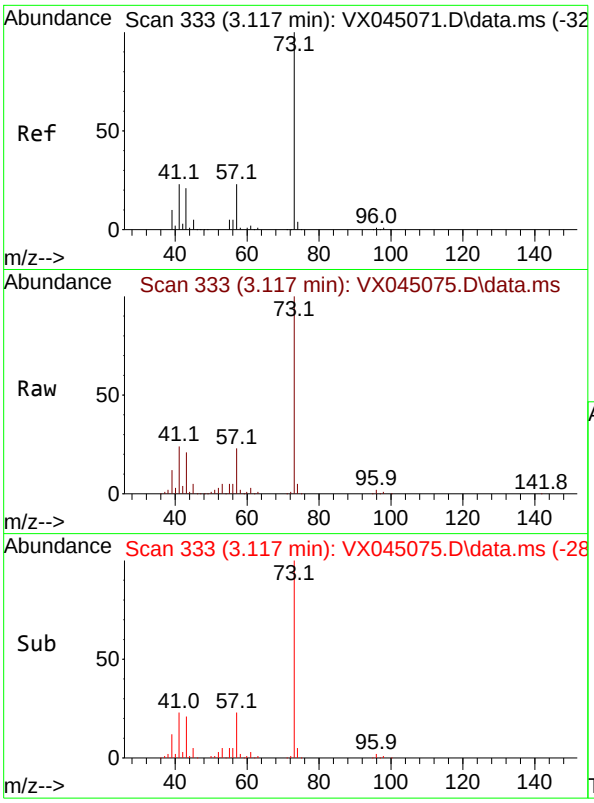


#18
Methyl Acetate
Concen: 50.312 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 43 Resp: 90756

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.4	26.2



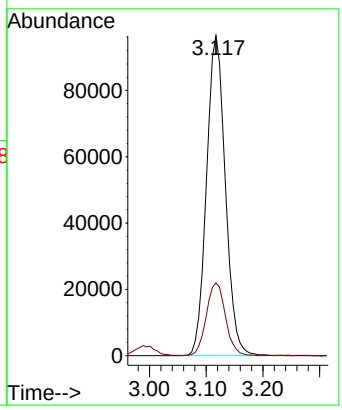


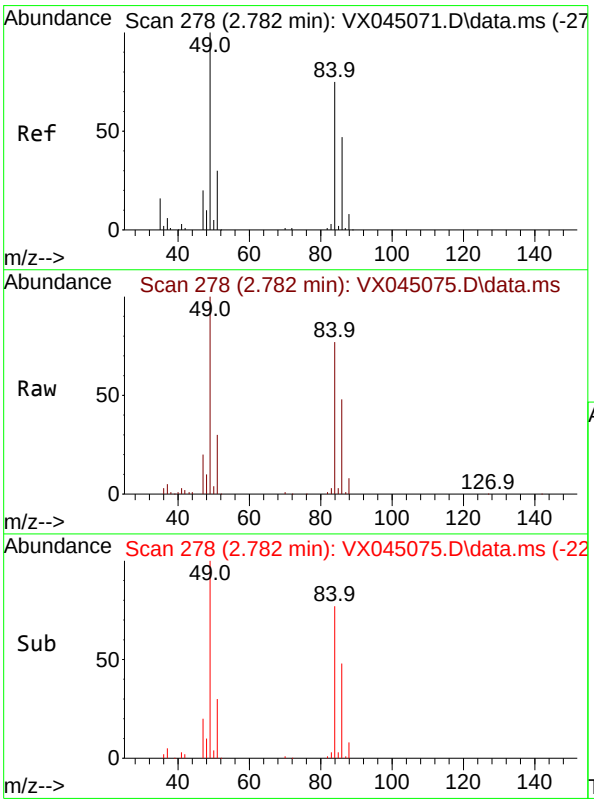
#19
Methyl tert-butyl Ether
Concen: 53.114 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 73 Resp: 222475

Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.5	27.7

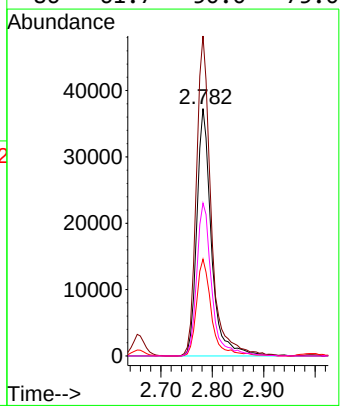


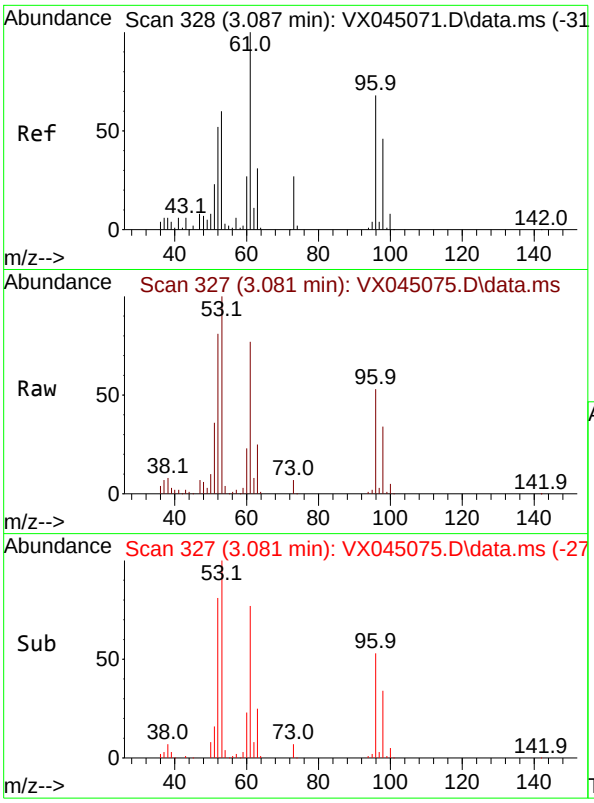


#20
Methylene Chloride
Concen: 49.639 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



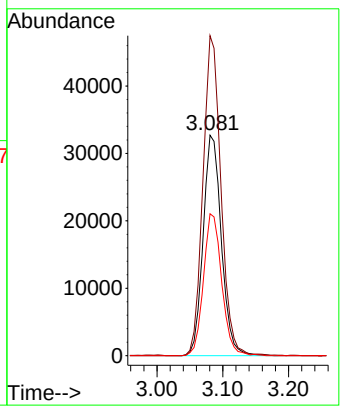


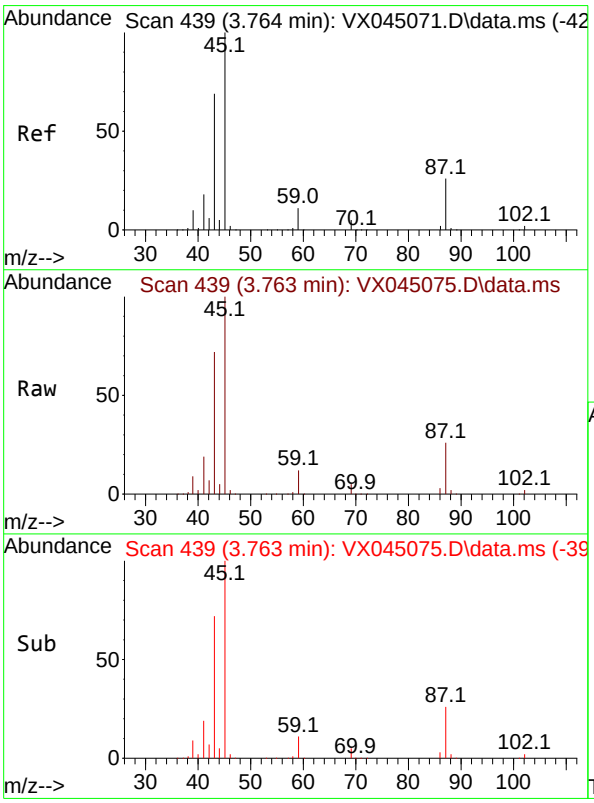
#21
trans-1,2-Dichloroethene
Concen: 51.172 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

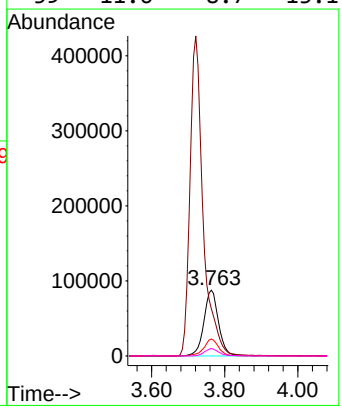


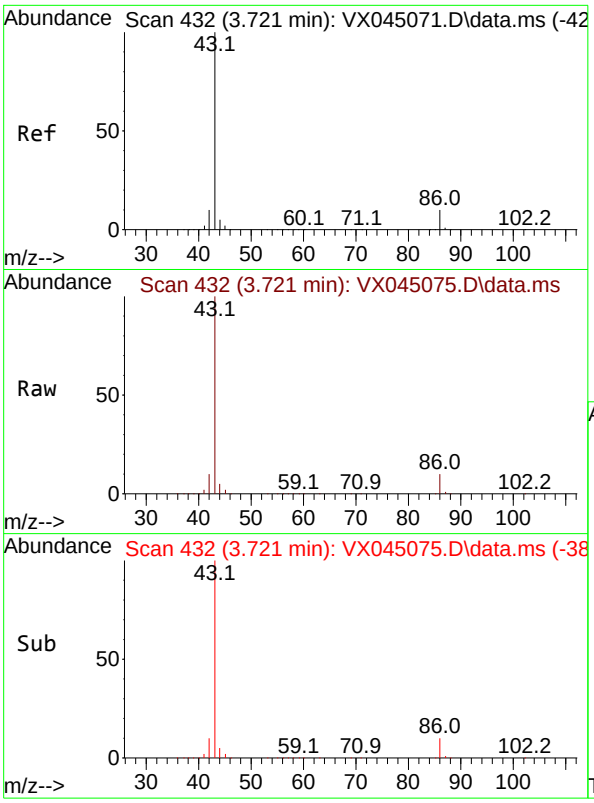


#22
Diisopropyl ether
Concen: 53.955 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



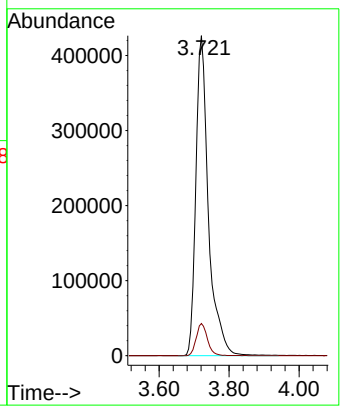


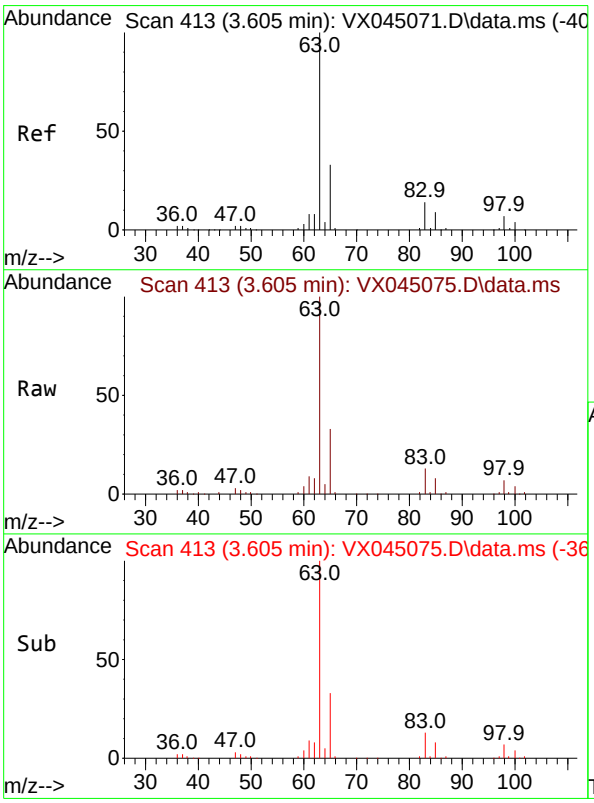
#23
Vinyl Acetate
Concen: 282.313 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 1064817

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

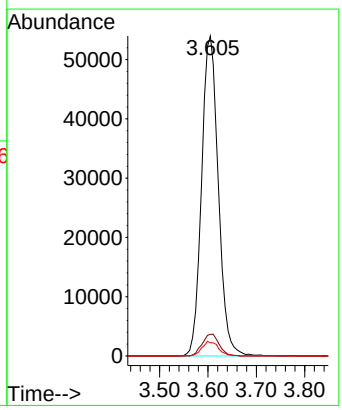


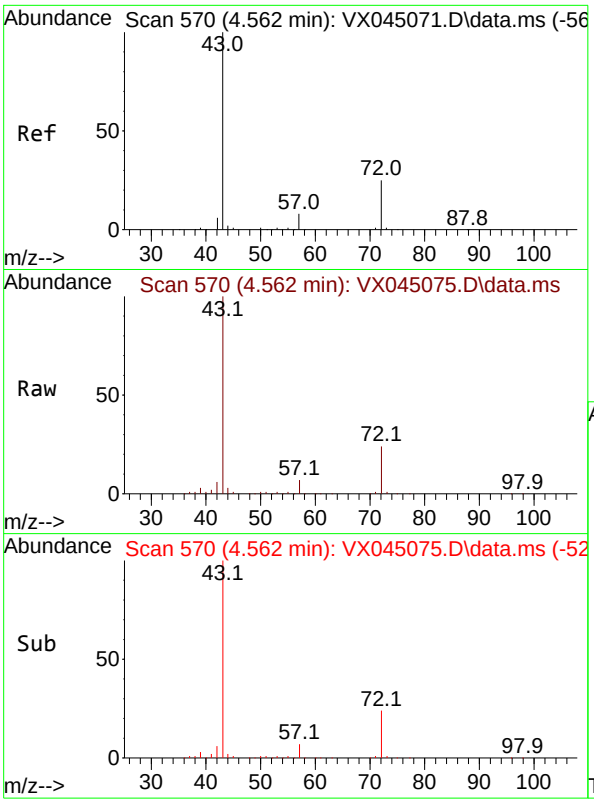


#24
1,1-Dichloroethane
Concen: 51.190 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



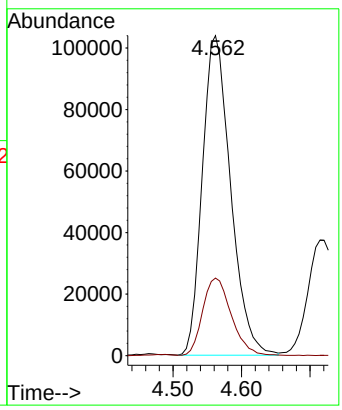


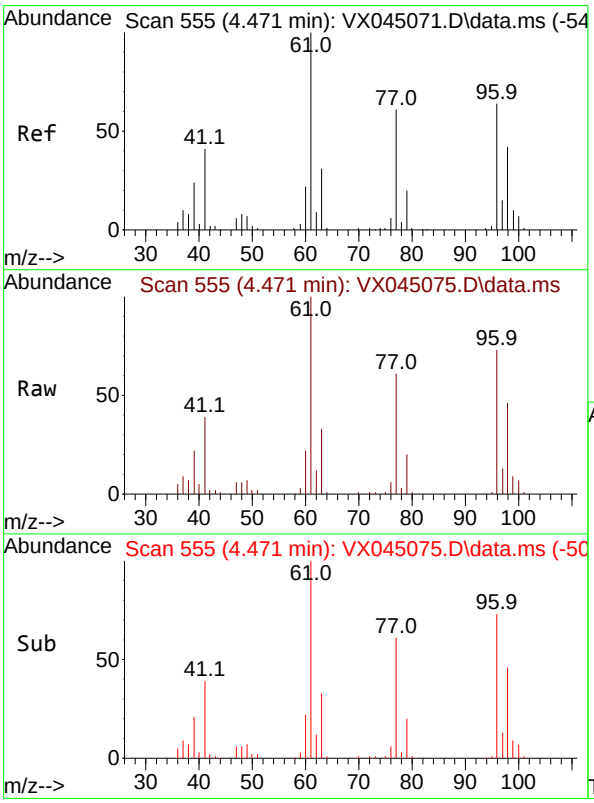
#25
2-Butanone
Concen: 264.040 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 298021

Ion	Ratio	Lower	Upper
43	100		
72	24.1	20.0	30.0

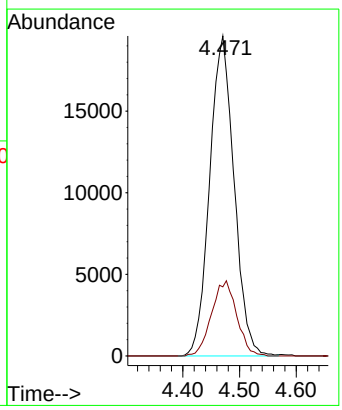


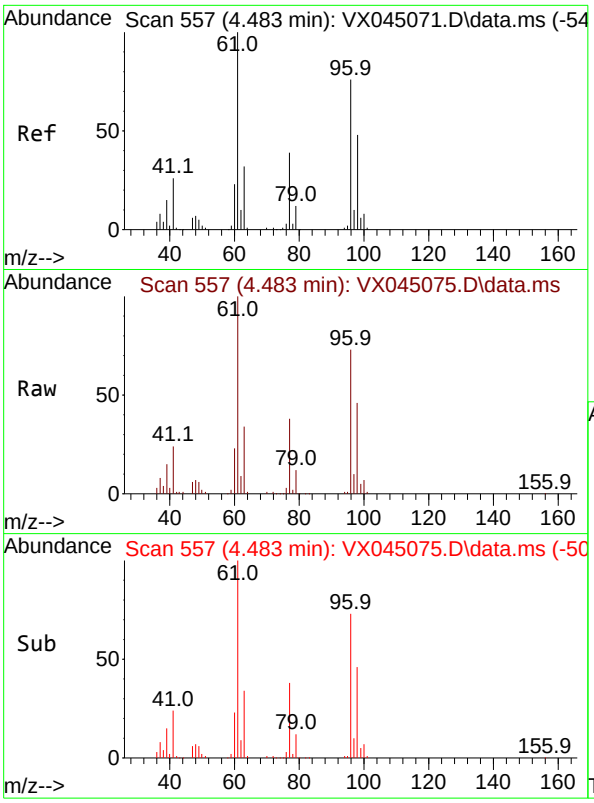


#26
2,2-Dichloropropane
Concen: 49.401 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 77 Resp: 58694

Ion	Ratio	Lower	Upper
77	100		
97	24.2	12.4	37.0



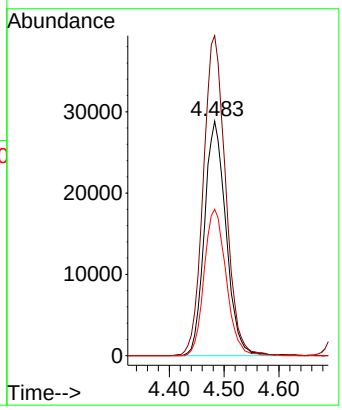


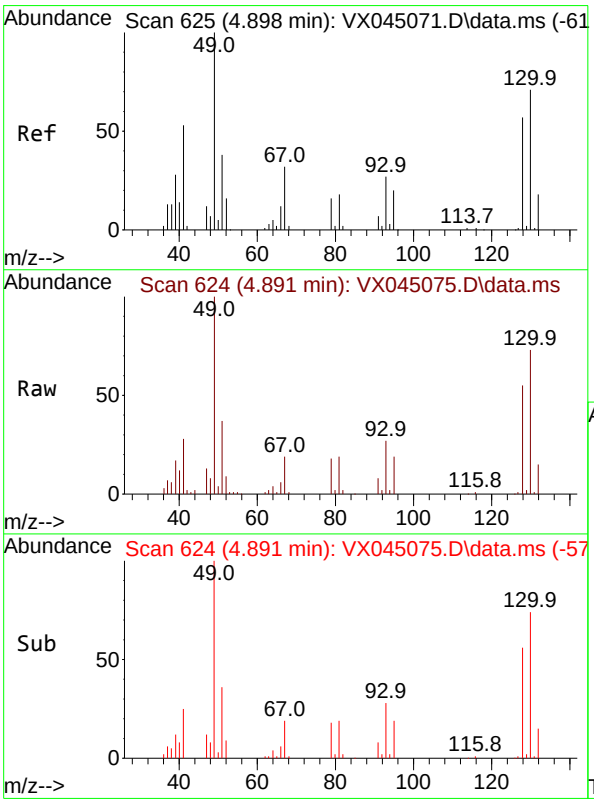
#27
cis-1,2-Dichloroethene
Concen: 51.606 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

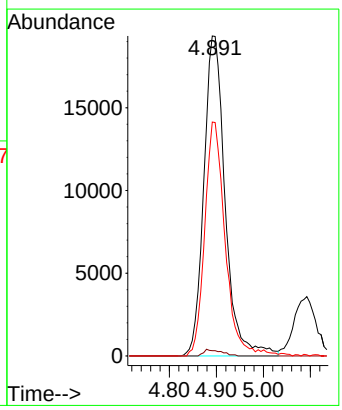


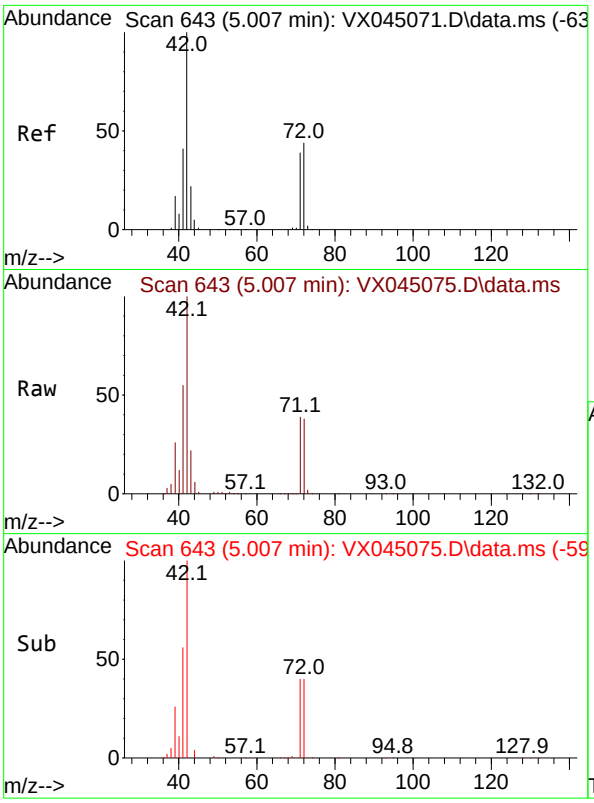


#28
Bromochloromethane
Concen: 50.399 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



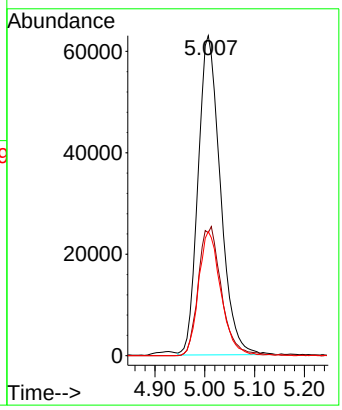


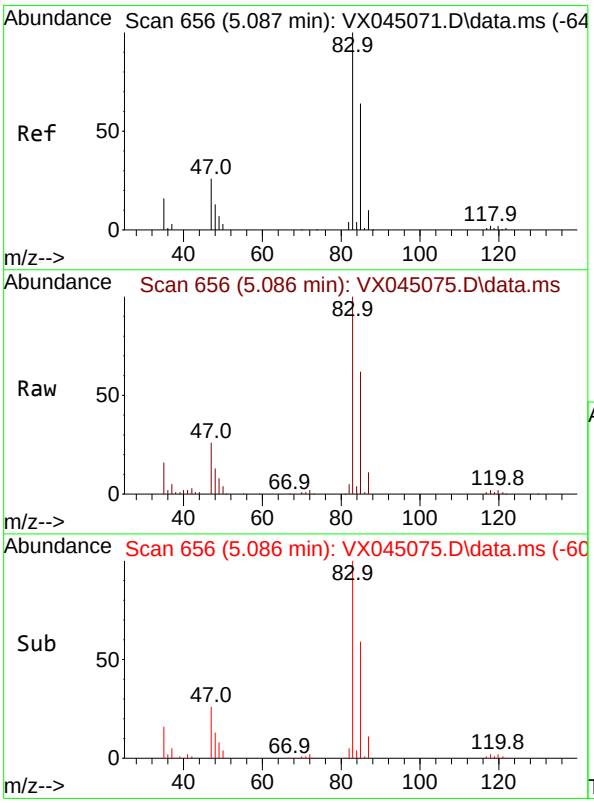
#29
Tetrahydrofuran
Concen: 258.277 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

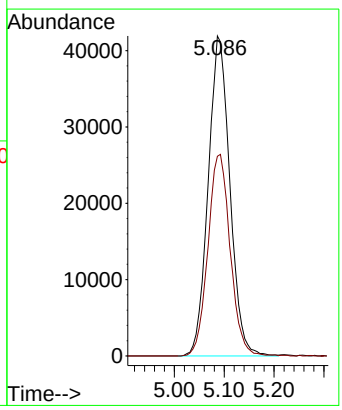


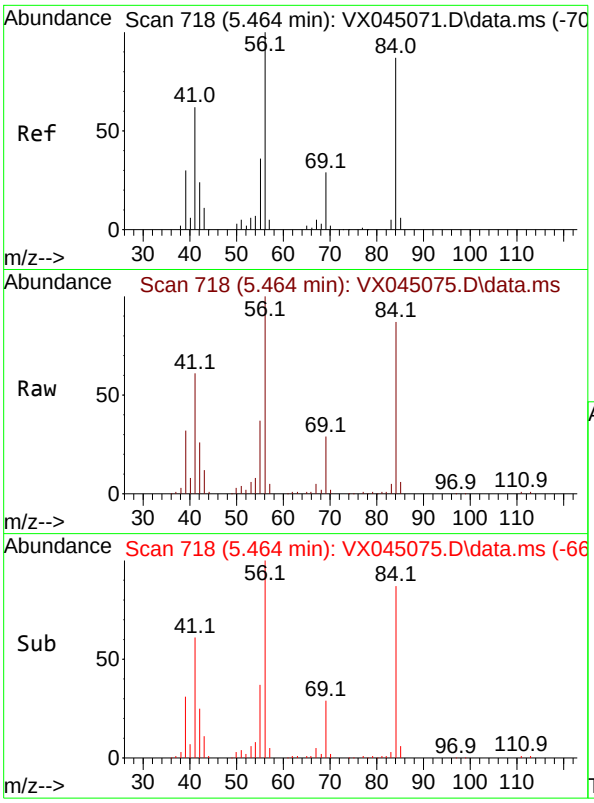


#30
Chloroform
Concen: 50.236 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 83 Resp: 126437

Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.4	77.2



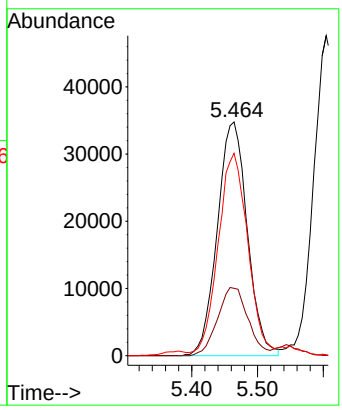


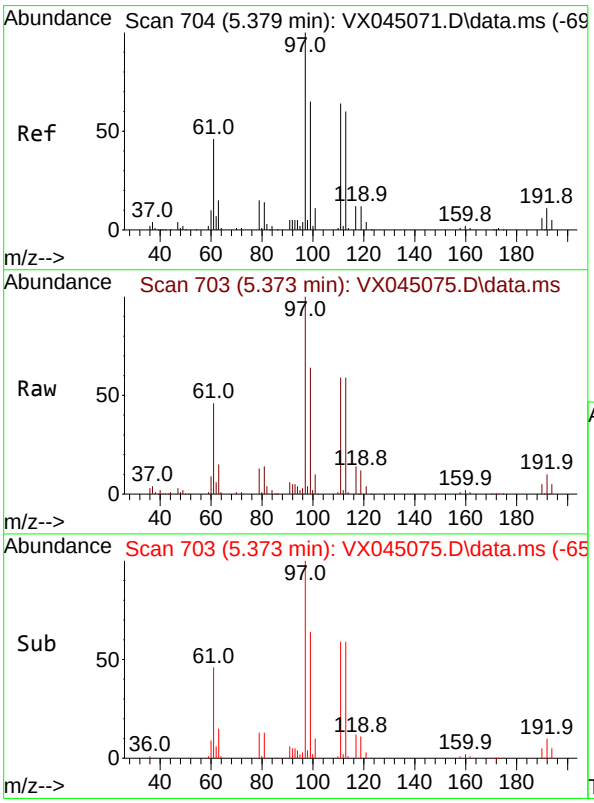
#31
Cyclohexane
Concen: 50.158 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

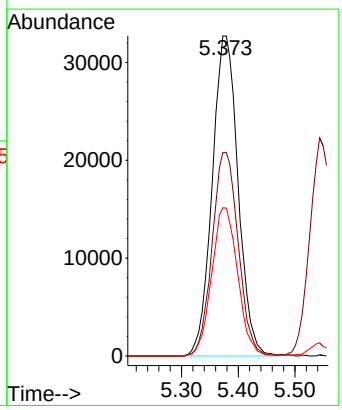


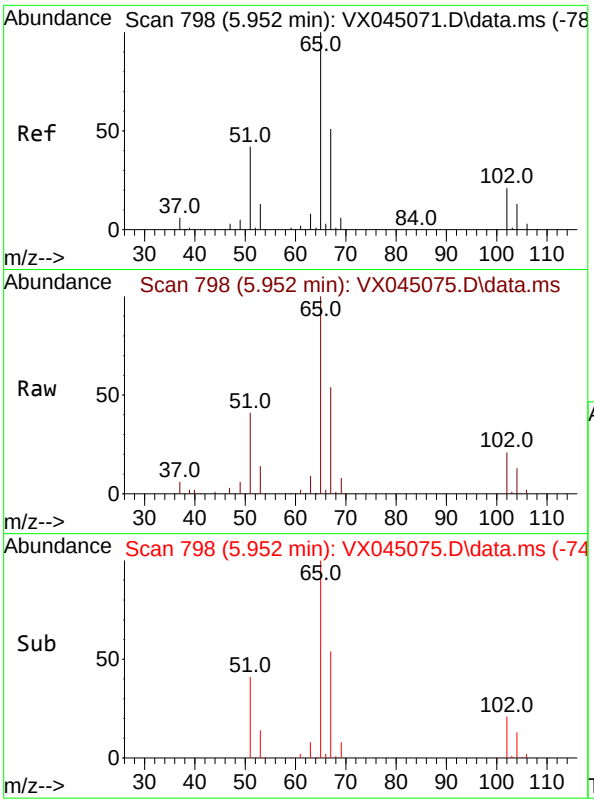


#32
1,1,1-Trichloroethane
Concen: 50.939 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



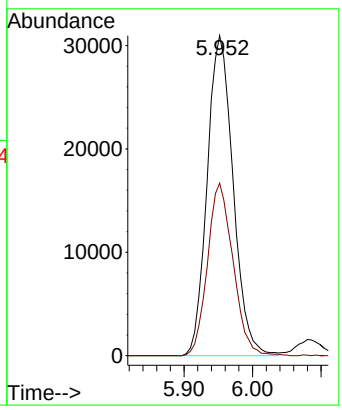


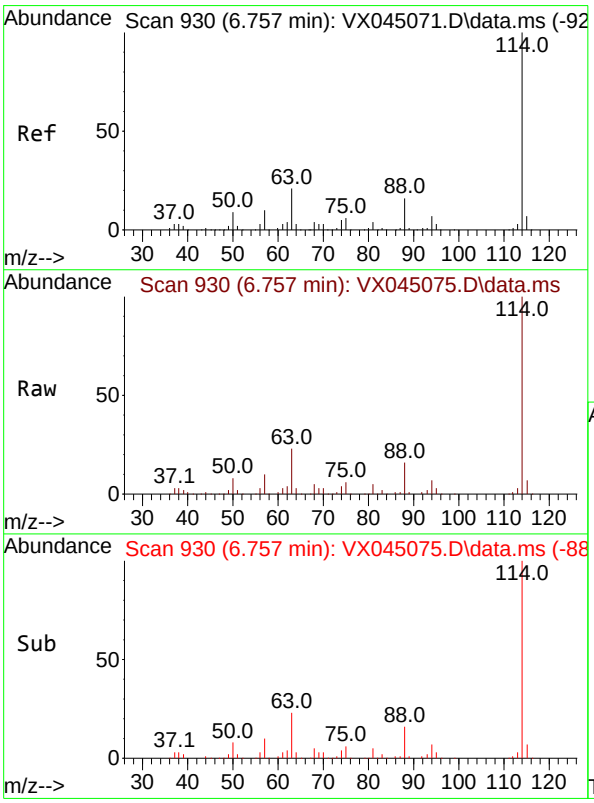
#33
1,2-Dichloroethane-d4
Concen: 50.297 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 65 Resp: 81288

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.2

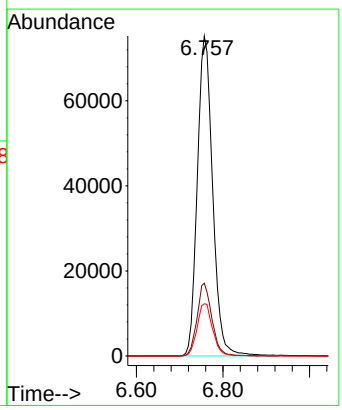


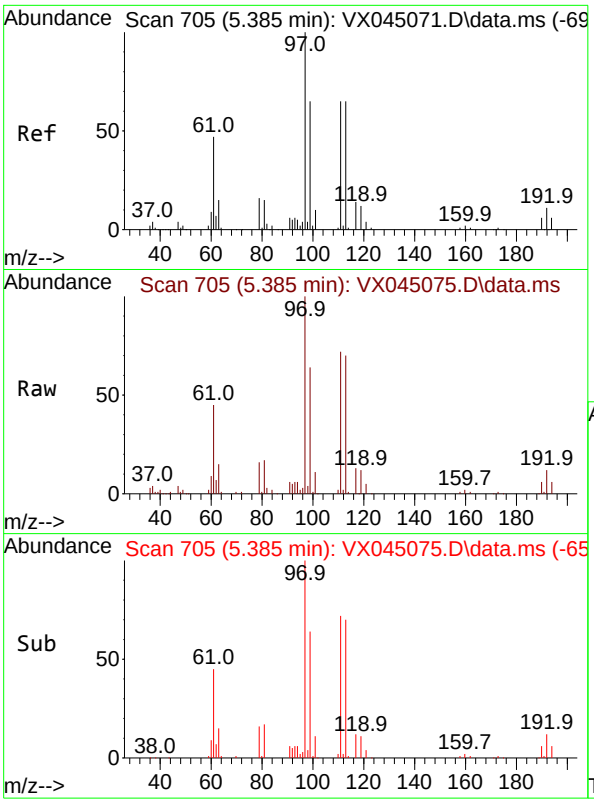


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



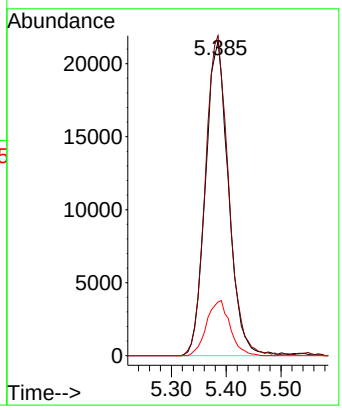


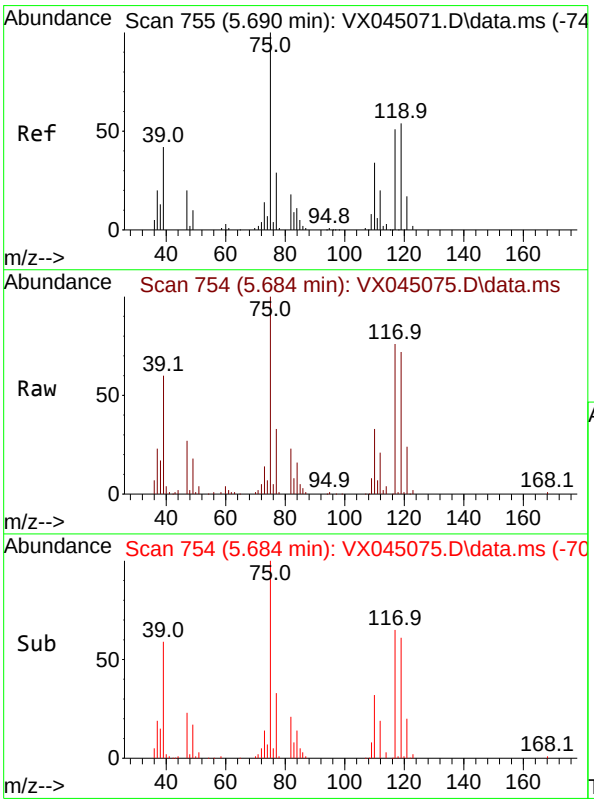
#35
Dibromofluoromethane
Concen: 50.841 ug/l
RT: 5.385 min Scan# 7(
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

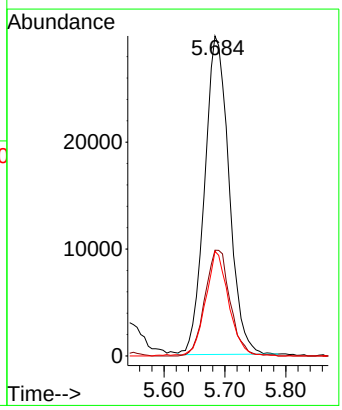


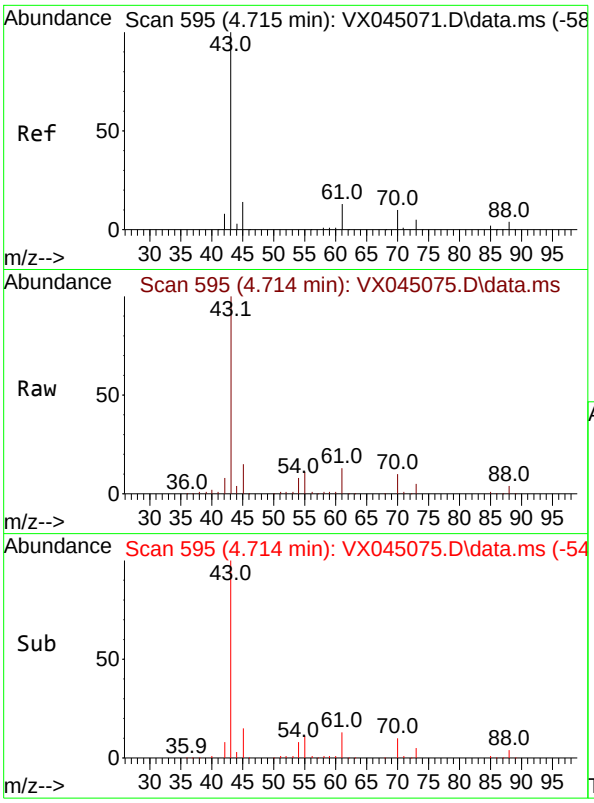


#36
1,1-Dichloropropene
Concen: 48.770 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



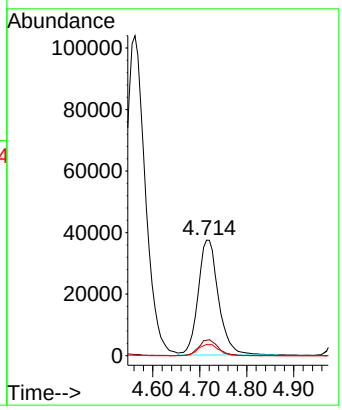


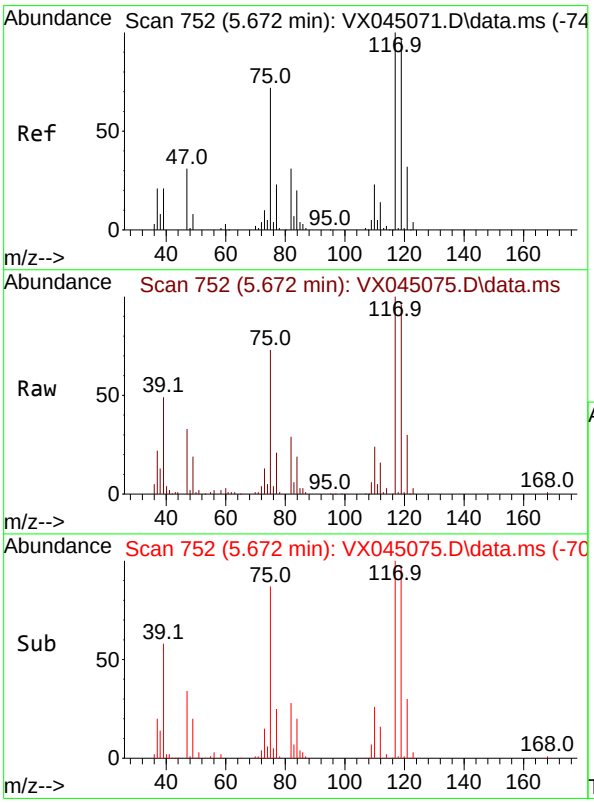
#37
Ethyl Acetate
Concen: 51.596 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

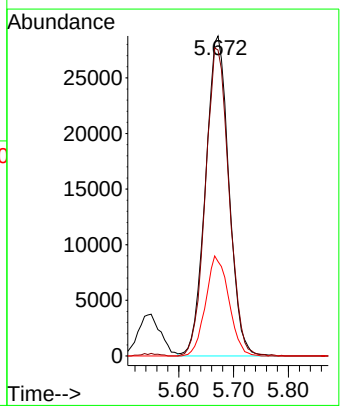


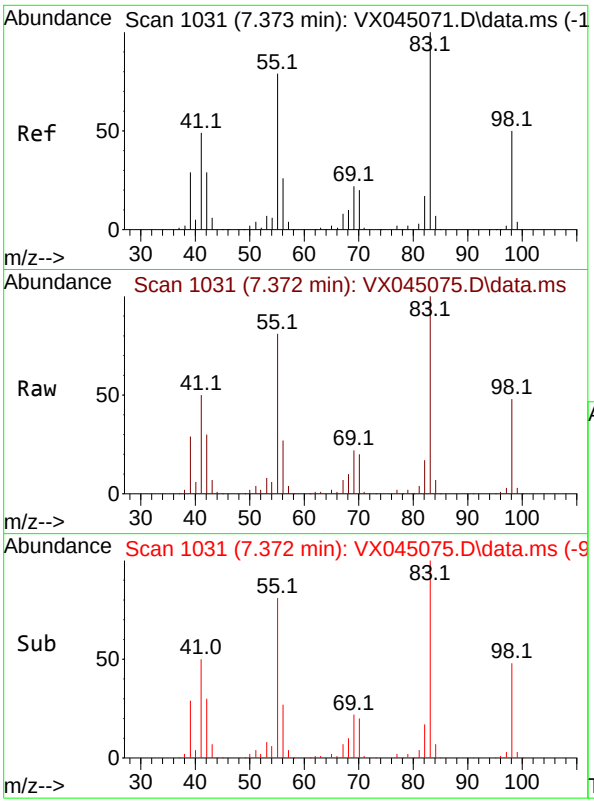


#38
Carbon Tetrachloride
Concen: 49.425 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



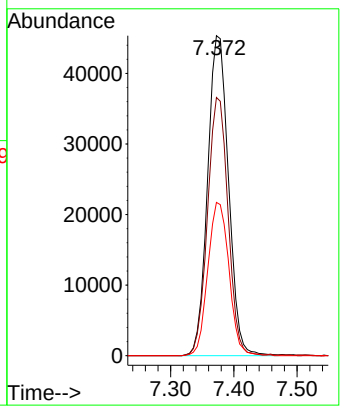


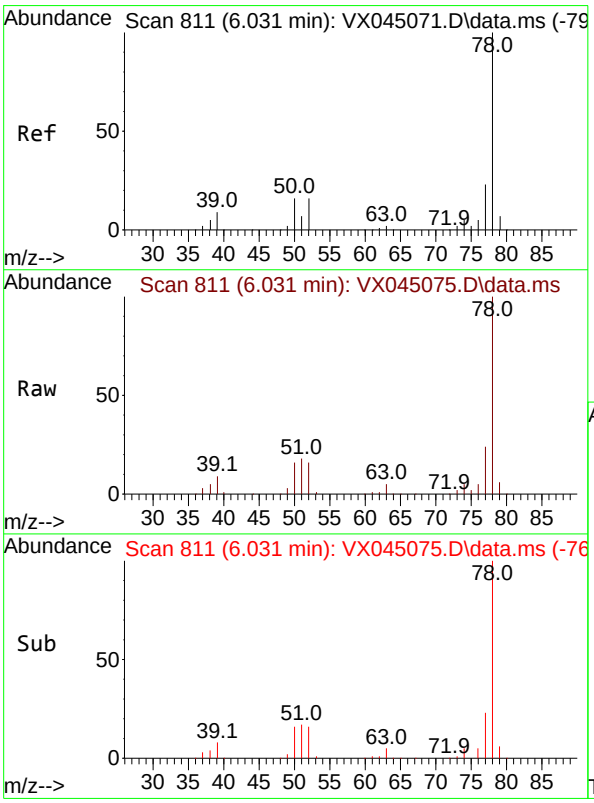
#39
Methylcyclohexane
Concen: 51.169 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

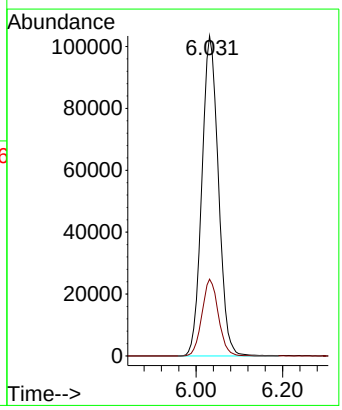


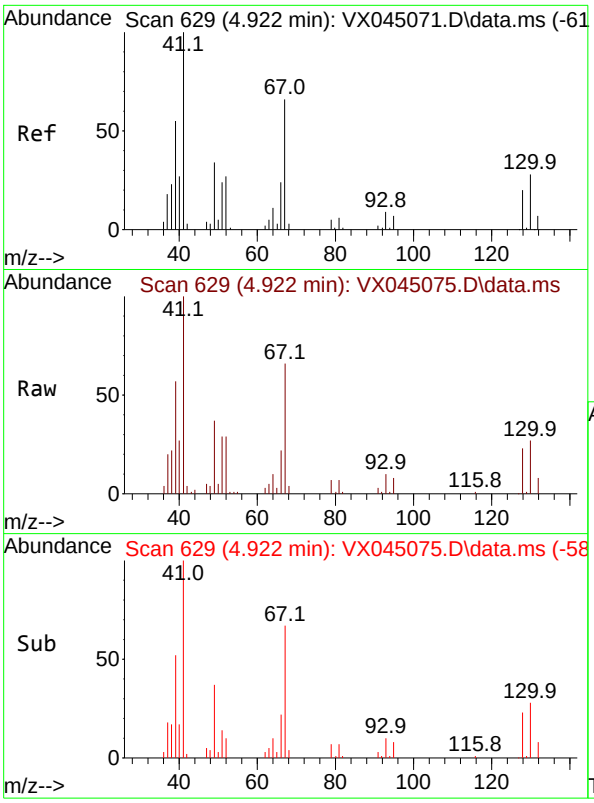


#40
Benzene
Concen: 51.195 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 78 Resp: 274206

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



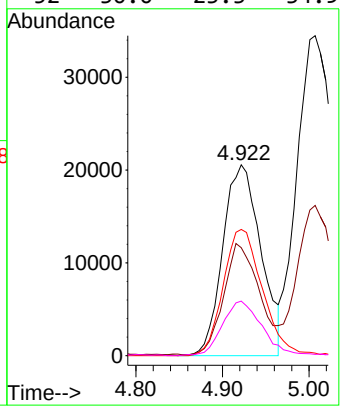


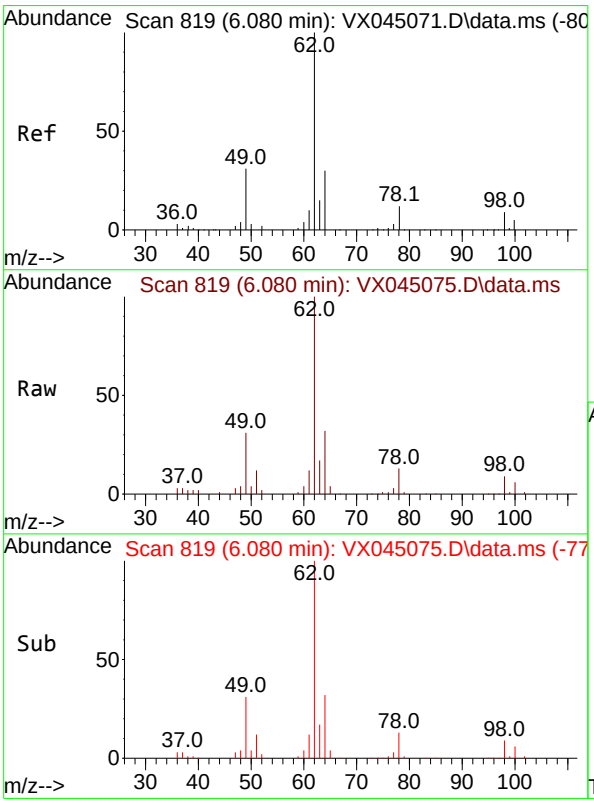
#41
Methacrylonitrile
Concen: 53.352 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

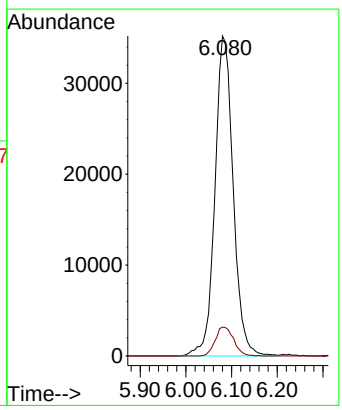


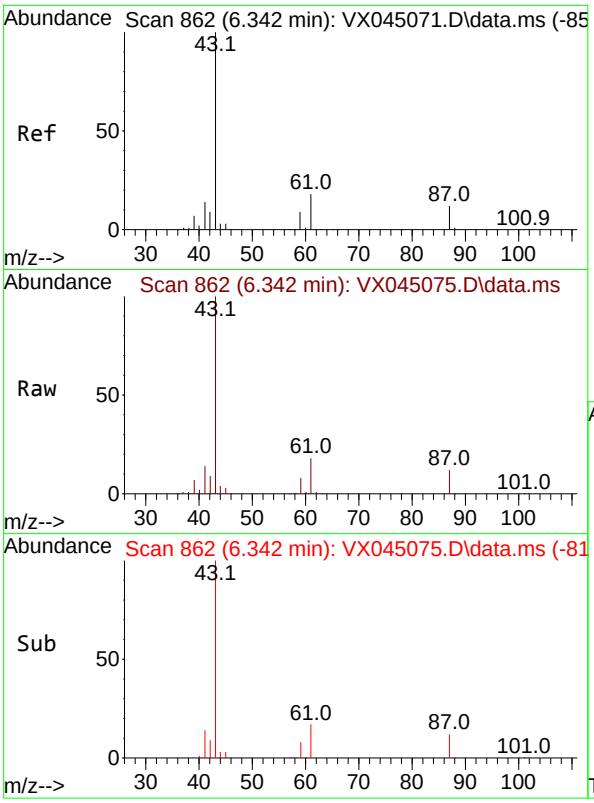


#42
1,2-Dichloroethane
Concen: 50.718 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 62 Resp: 97821

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2



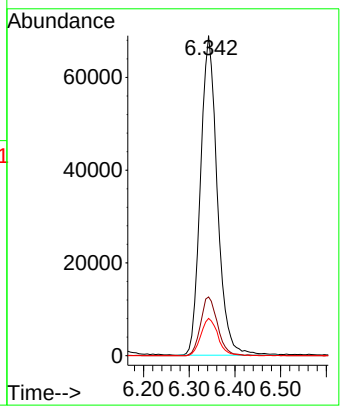


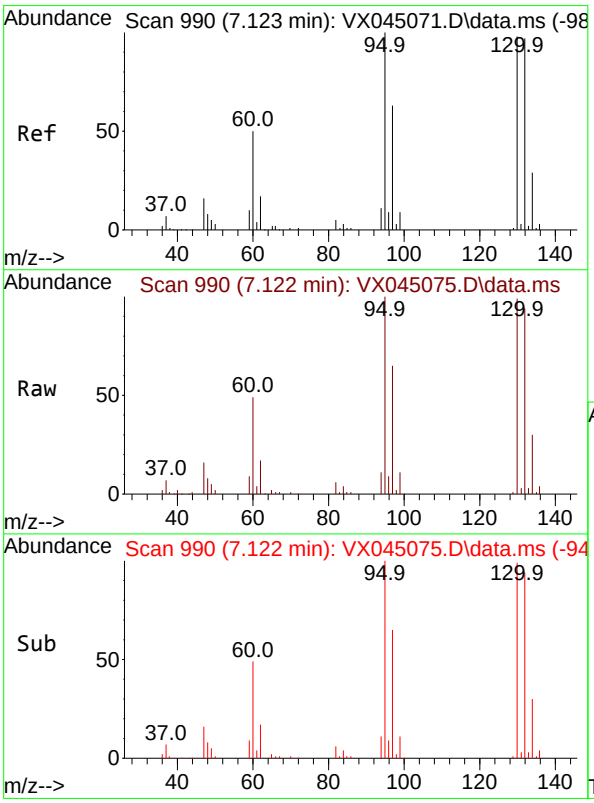
#43
Isopropyl Acetate
Concen: 54.452 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

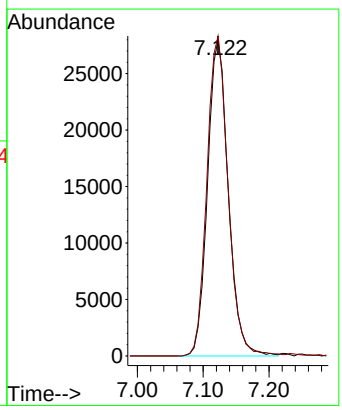


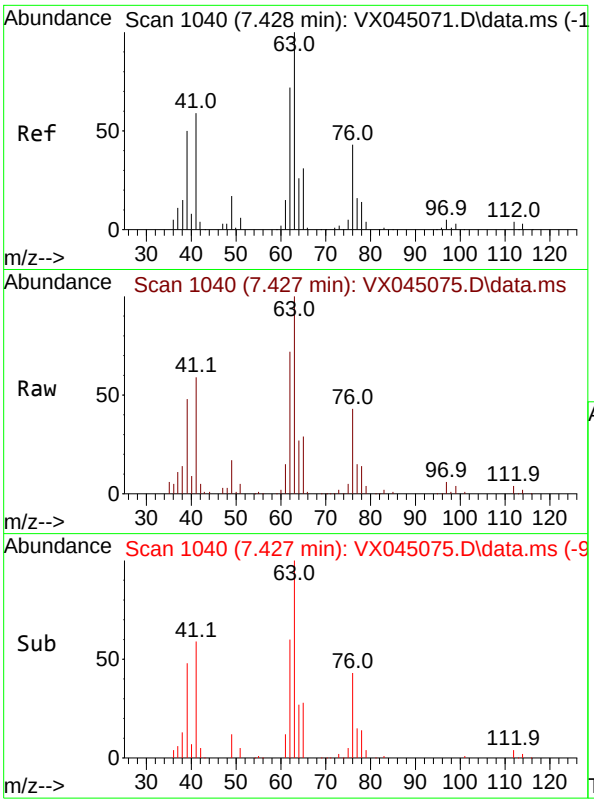


#44
Trichloroethene
Concen: 48.924 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:130 Resp: 61530

Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	205.0



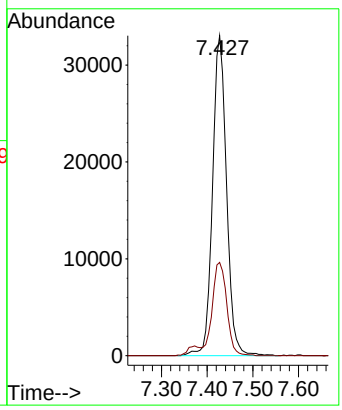


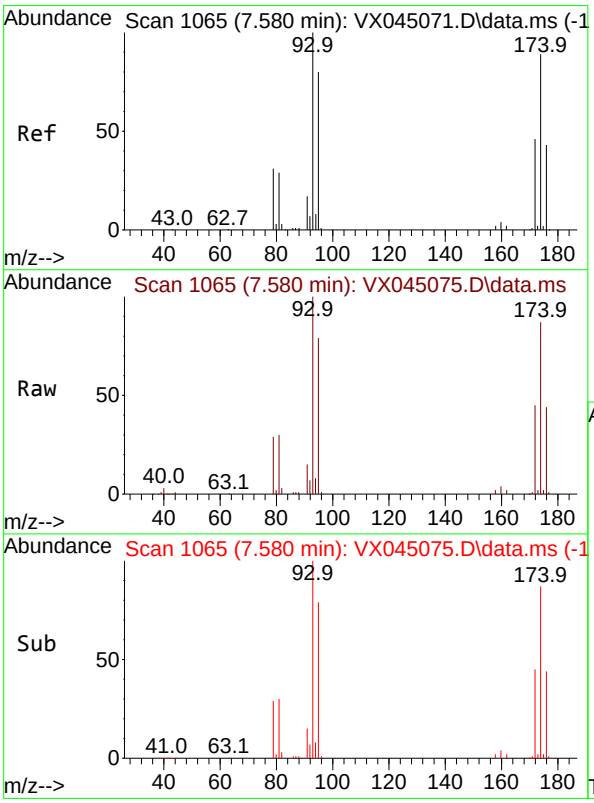
#45
1,2-Dichloropropane
Concen: 51.086 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 63 Resp: 70350

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1

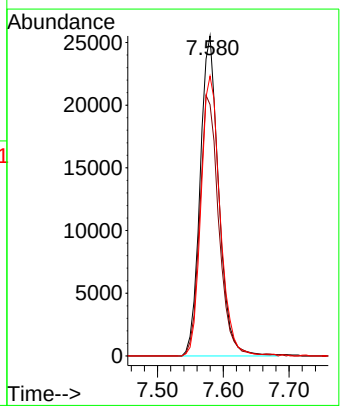


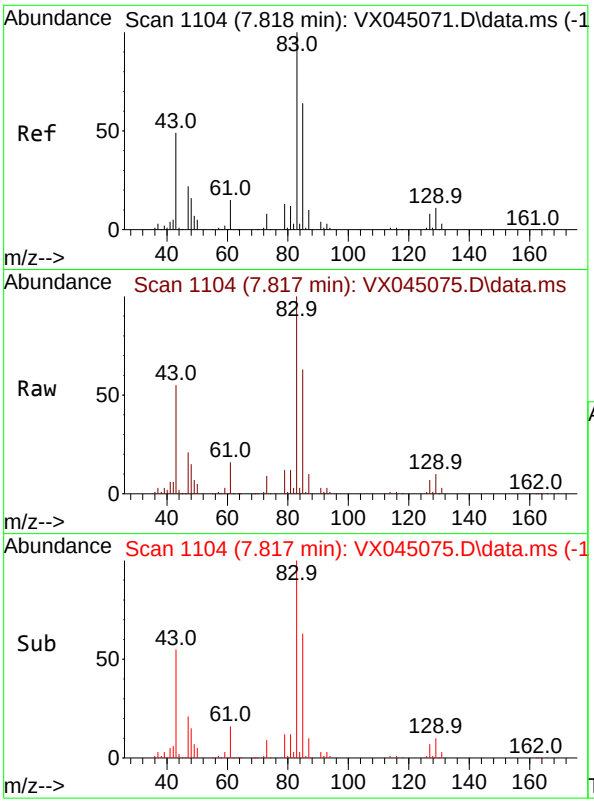


#46
Dibromomethane
Concen: 51.661 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



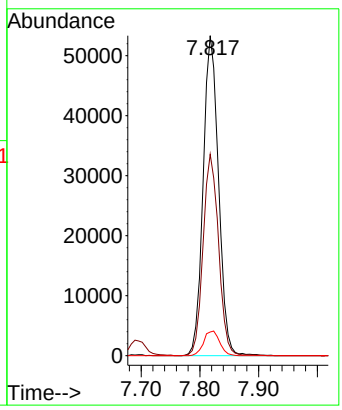


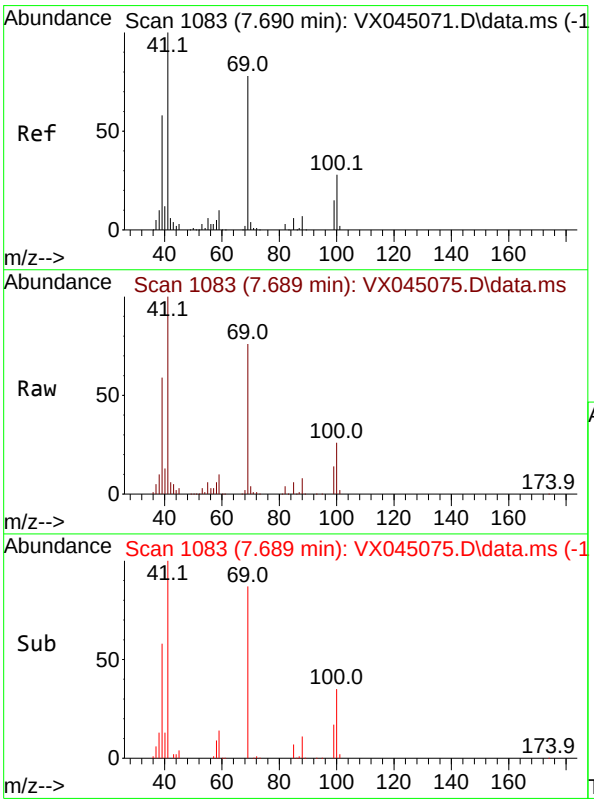
#47
Bromodichloromethane
Concen: 50.930 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

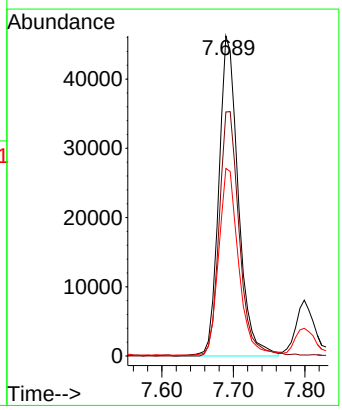


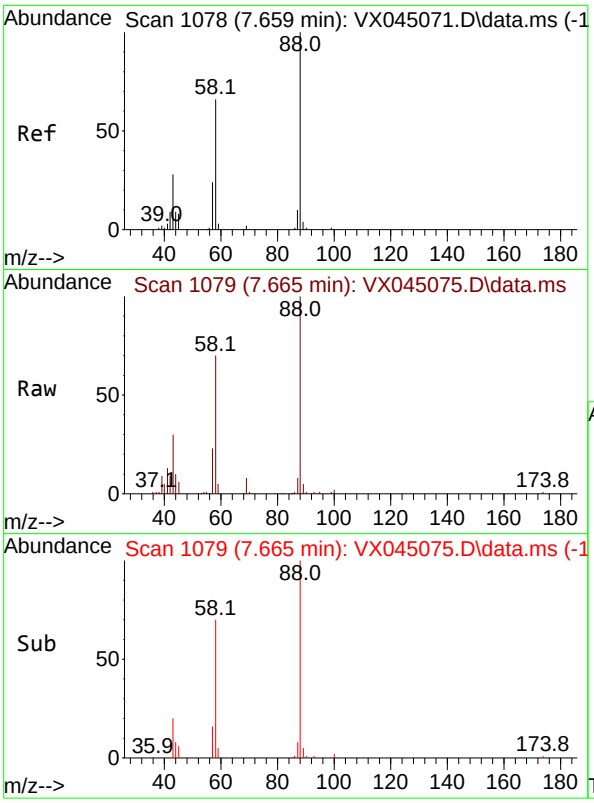


#48
Methyl methacrylate
Concen: 54.016 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



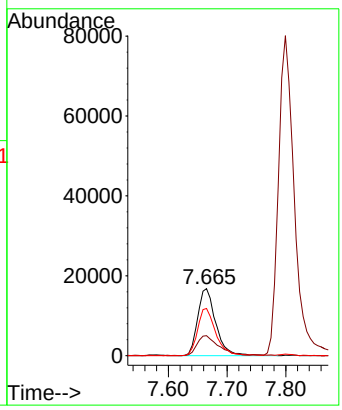


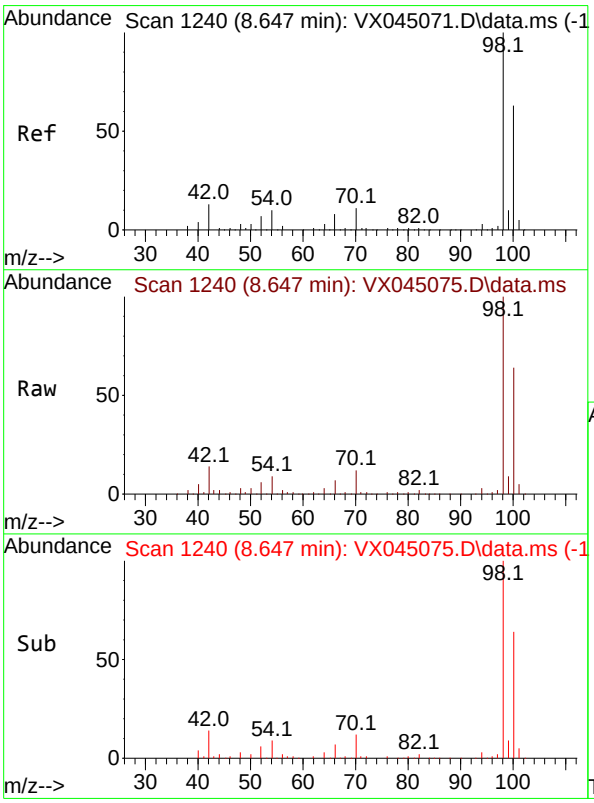
#49
1,4-Dioxane
Concen: 1049.007 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

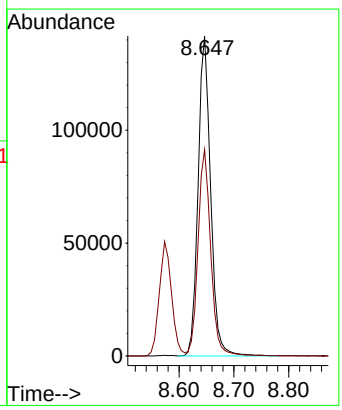


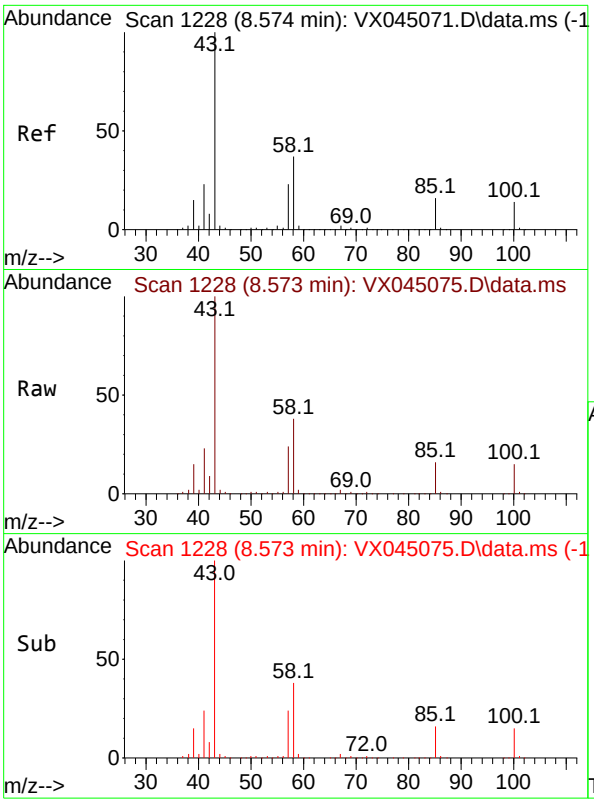


#50
Toluene-d8
Concen: 50.364 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 98 Resp: 225823

Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.0	78.0



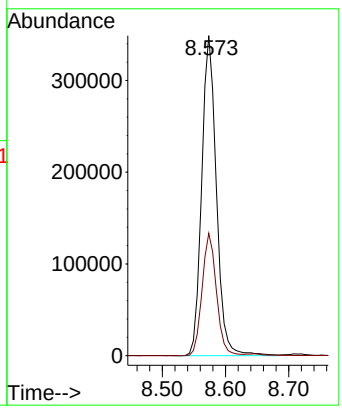


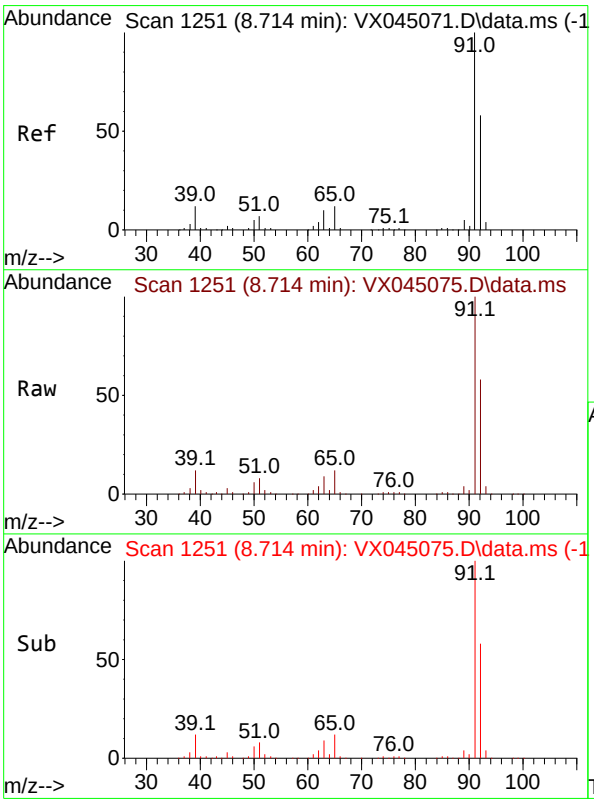
#51
4-Methyl-2-Pentanone
Concen: 259.995 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 564197

Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.2	43.8

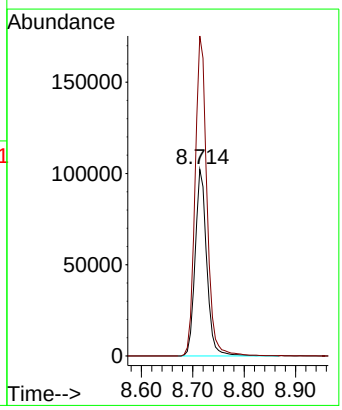


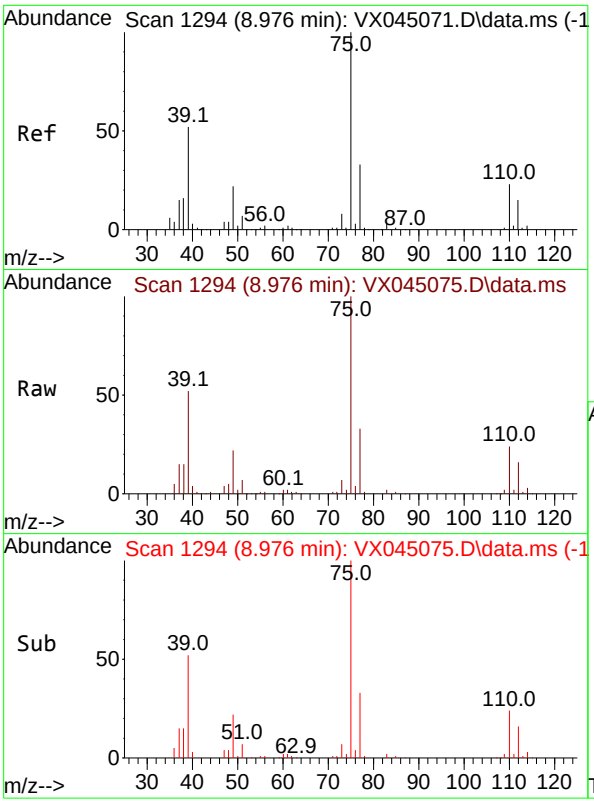


#52
Toluene
Concen: 51.020 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 92 Resp: 160331

Ion	Ratio	Lower	Upper
92	100		
91	175.1	138.9	208.3



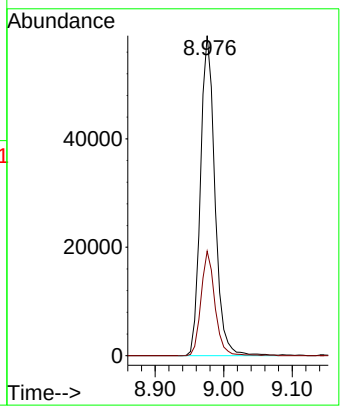


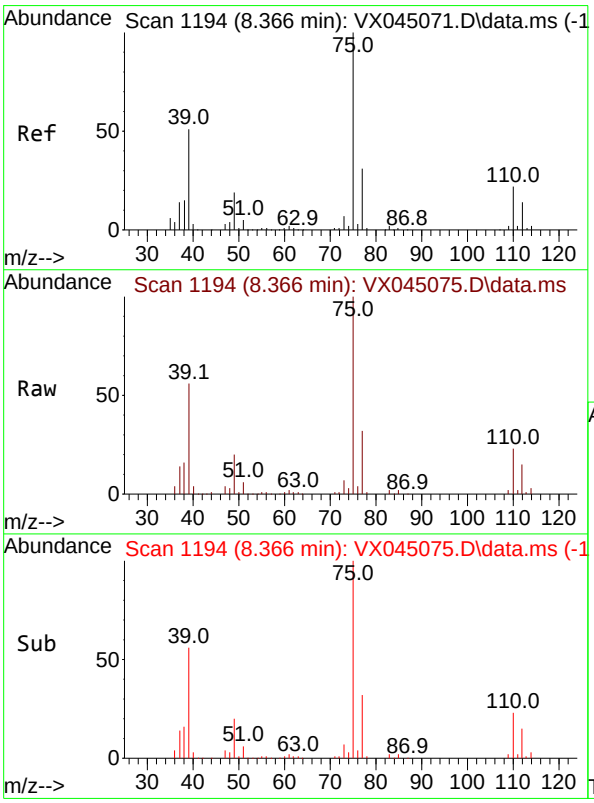
#53
t-1,3-Dichloropropene
Concen: 54.247 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 75 Resp: 86584

Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.5	39.7

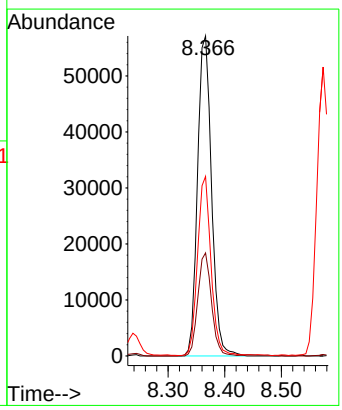


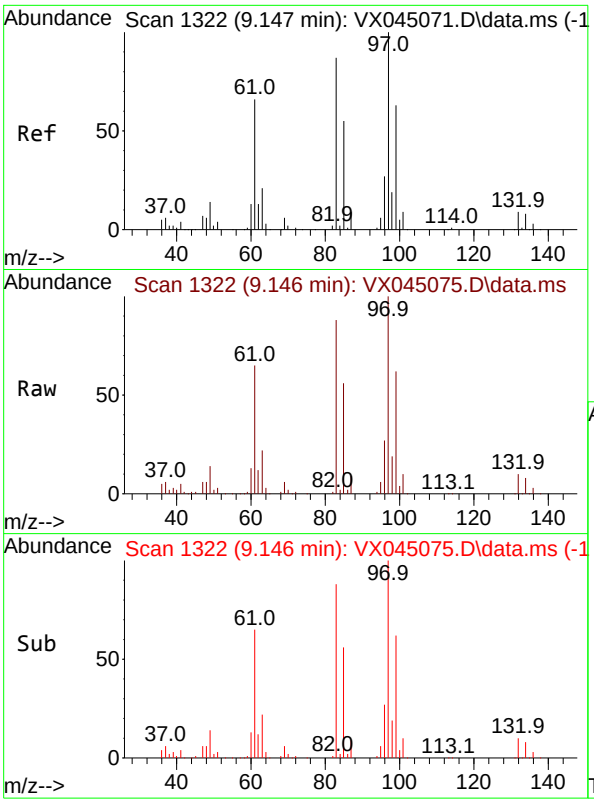


#54
cis-1,3-Dichloropropene
Concen: 52.732 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



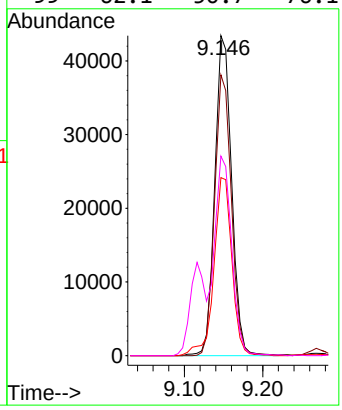


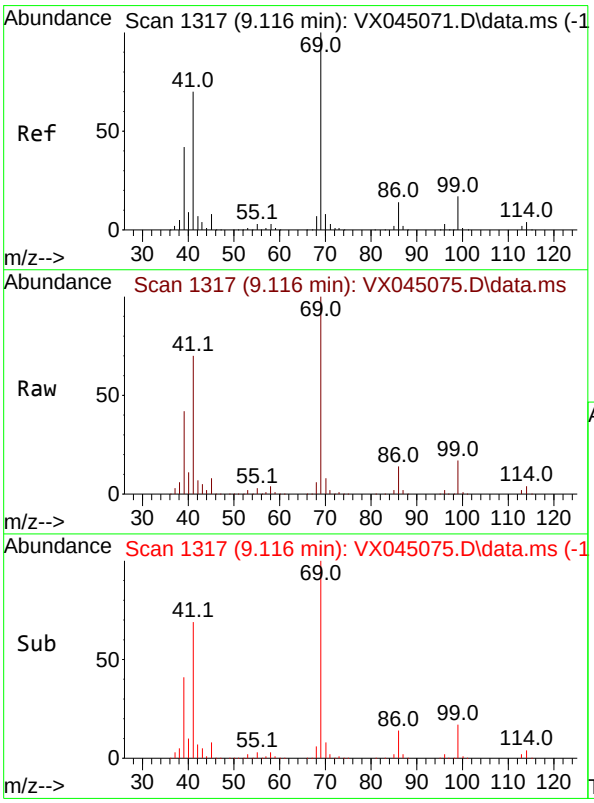
#55
1,1,2-Trichloroethane
Concen: 50.232 ug/l
RT: 9.146 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

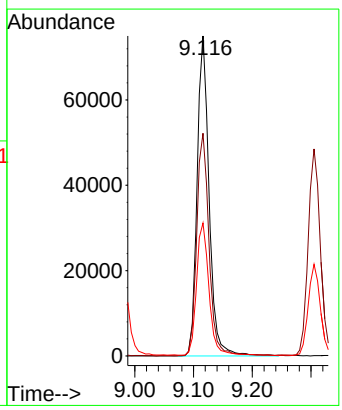


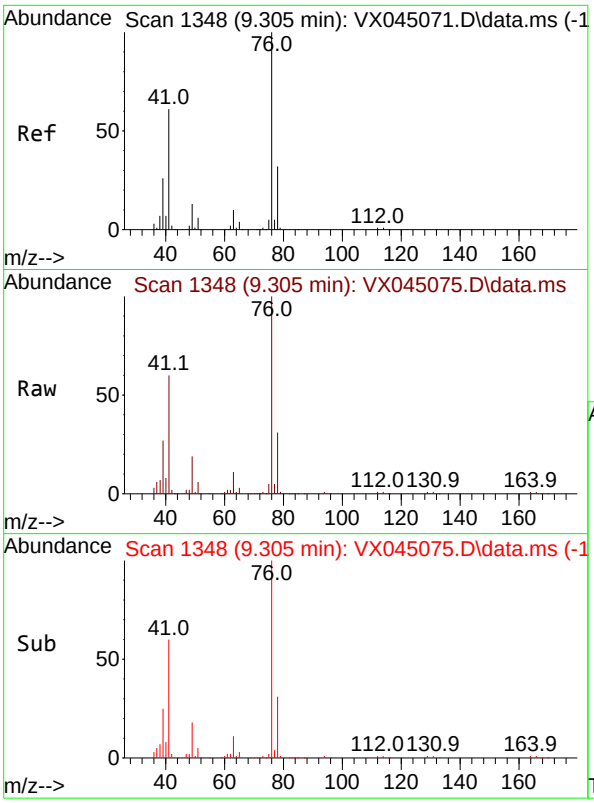


#56
Ethyl methacrylate
Concen: 54.109 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



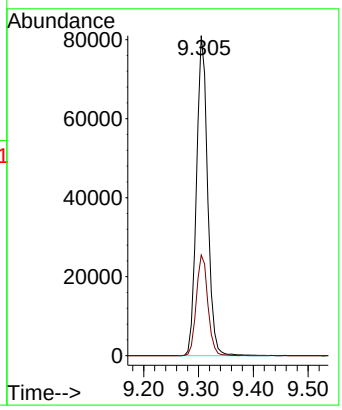


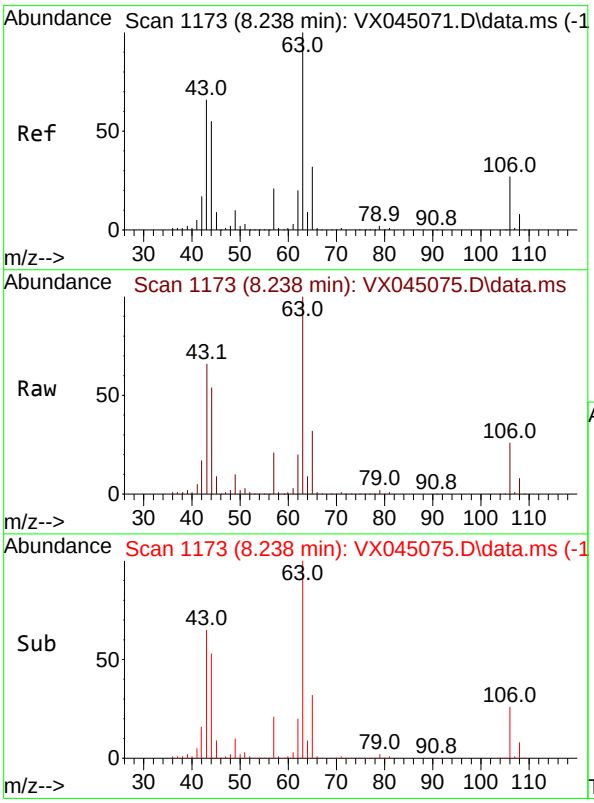
#57
1,3-Dichloropropane
Concen: 51.312 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 76 Resp: 114880

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

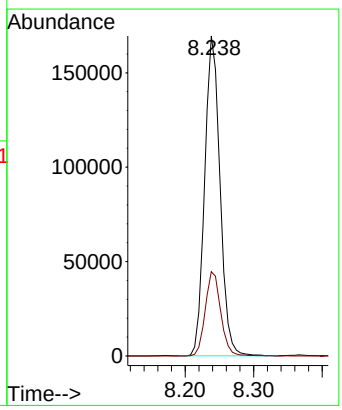


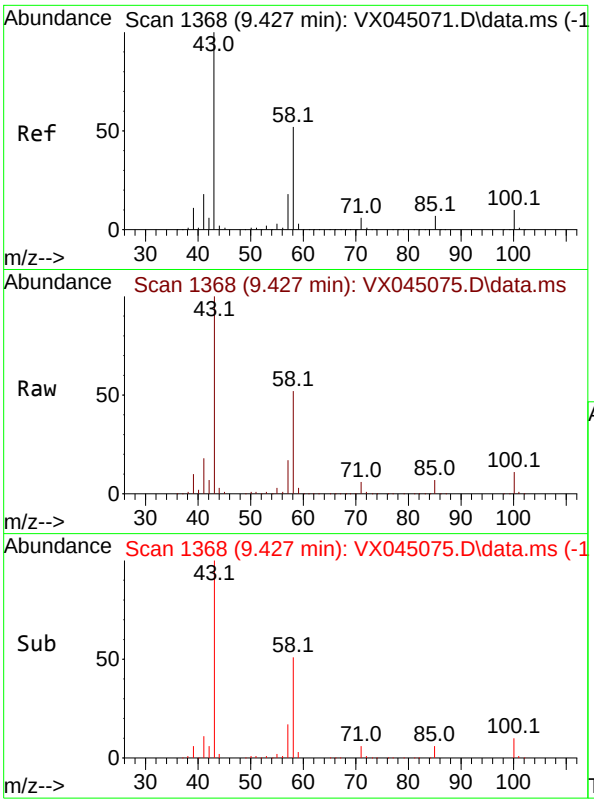


#58
2-Chloroethyl Vinyl ether
Concen: 275.557 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 63 Resp: 264335

Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.5	32.3



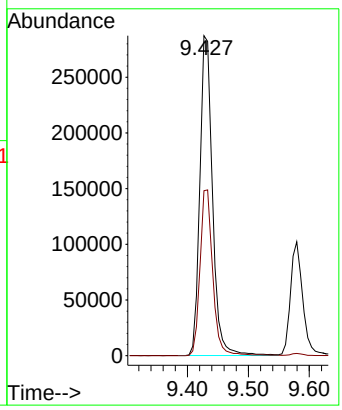


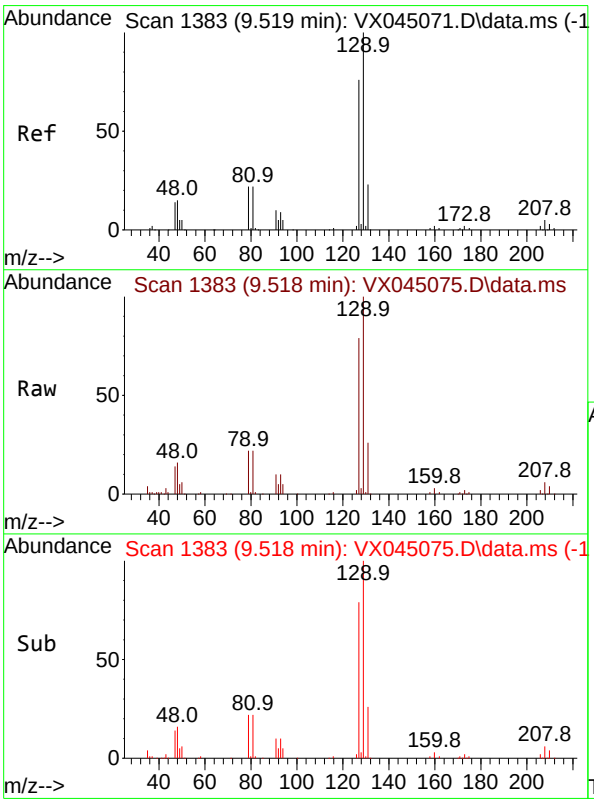
#59
2-Hexanone
Concen: 265.049 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 43 Resp: 416731

Ion	Ratio	Lower	Upper
43	100		
58	52.2	25.9	77.6

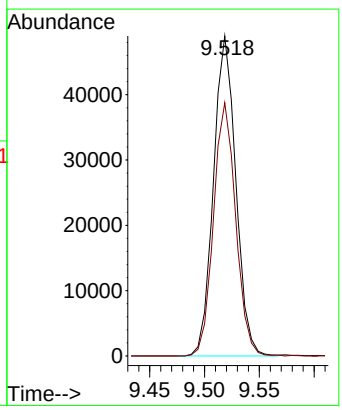


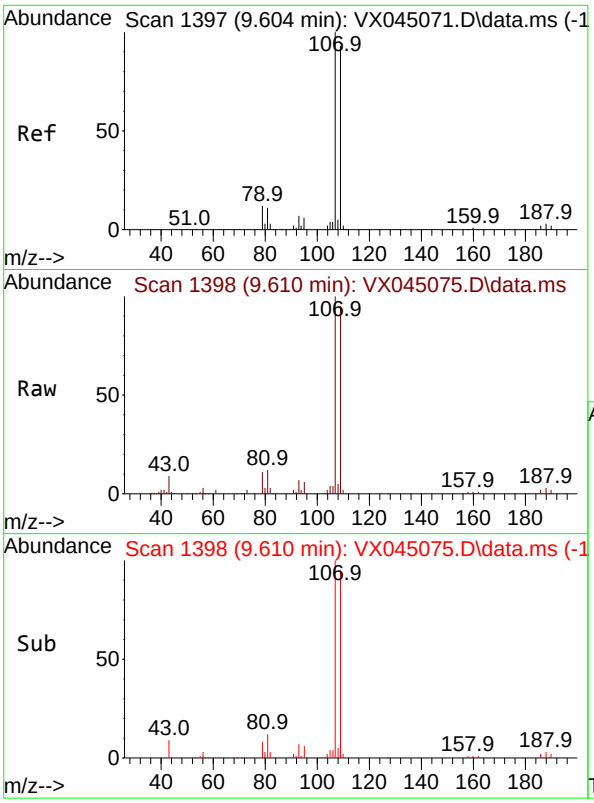


#60
Dibromochloromethane
Concen: 51.374 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:129 Resp: 69492

Ion	Ratio	Lower	Upper
129	100		
127	78.6	38.5	115.5



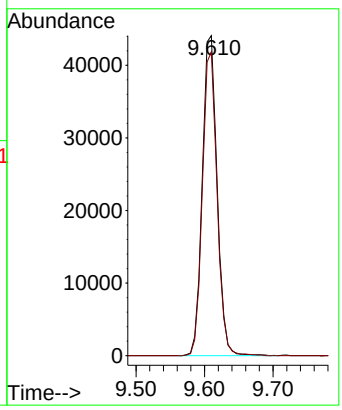


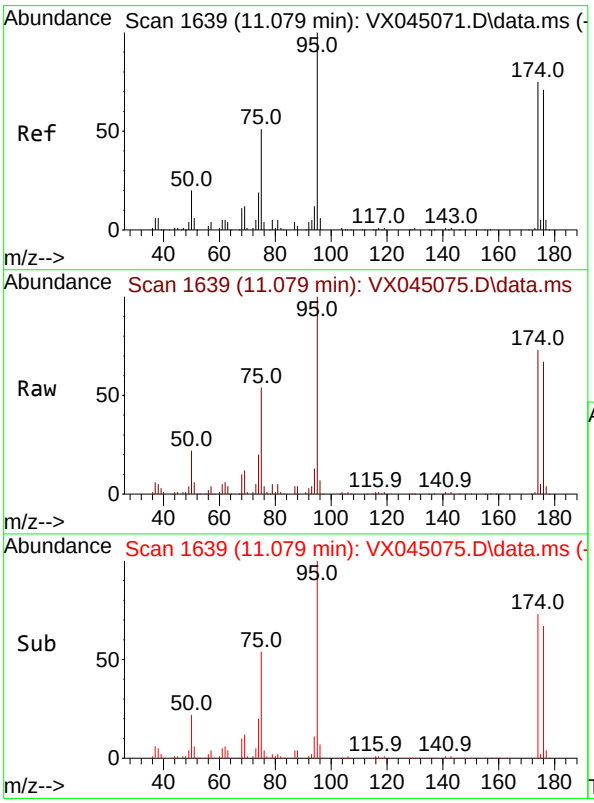
#61
1,2-Dibromoethane
Concen: 51.492 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:107 Resp: 66501

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1

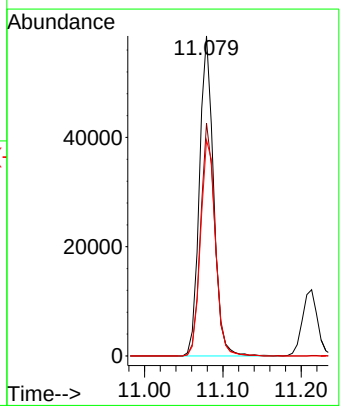


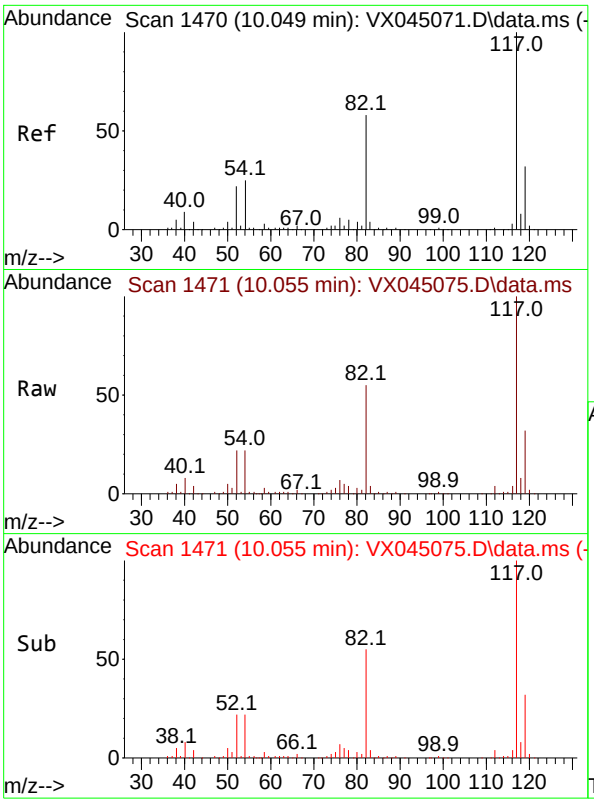


#62
4-Bromofluorobenzene
Concen: 49.240 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



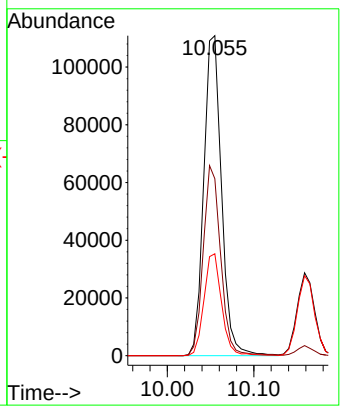


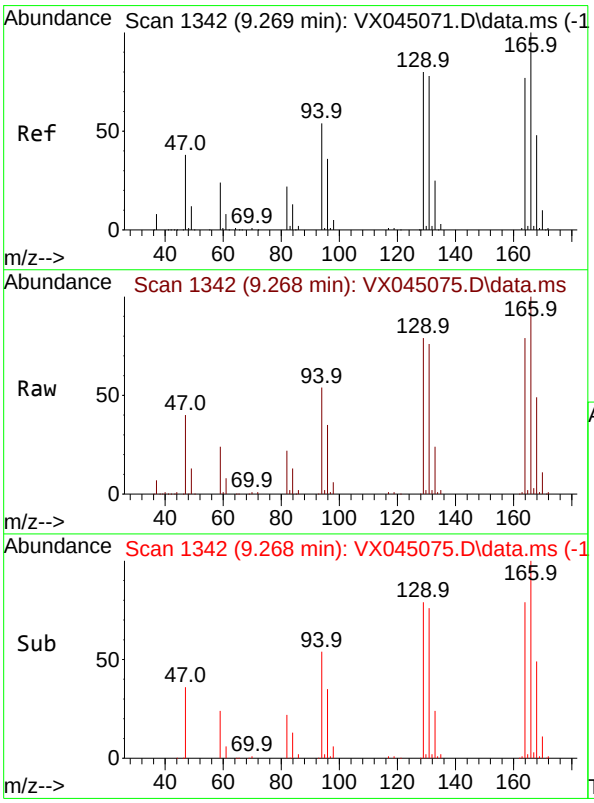
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

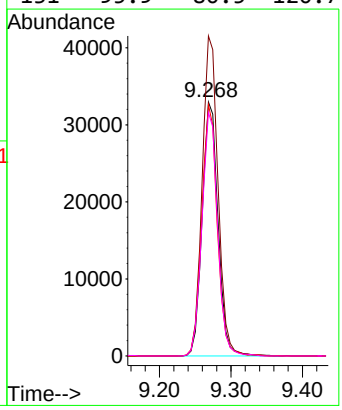


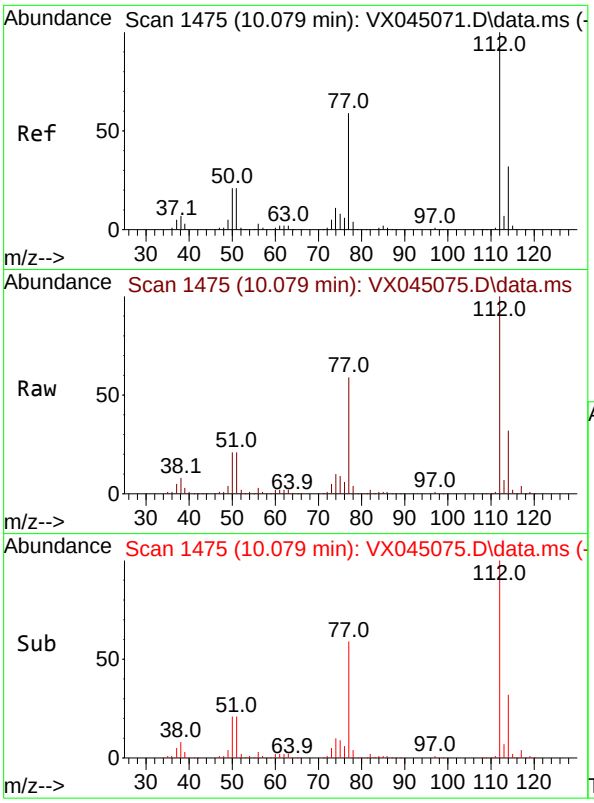


#64
Tetrachloroethene
Concen: 50.126 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



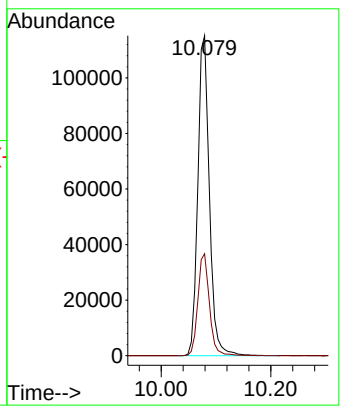


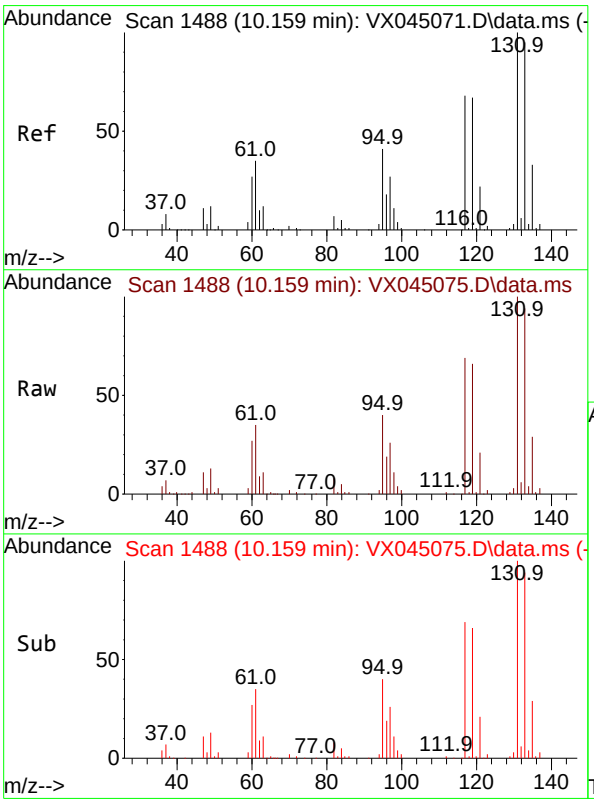
#65
Chlorobenzene
Concen: 50.580 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:112 Resp: 168885

Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.0	39.0

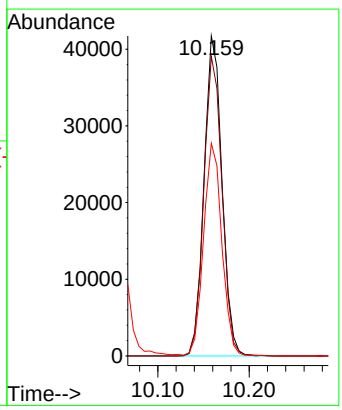


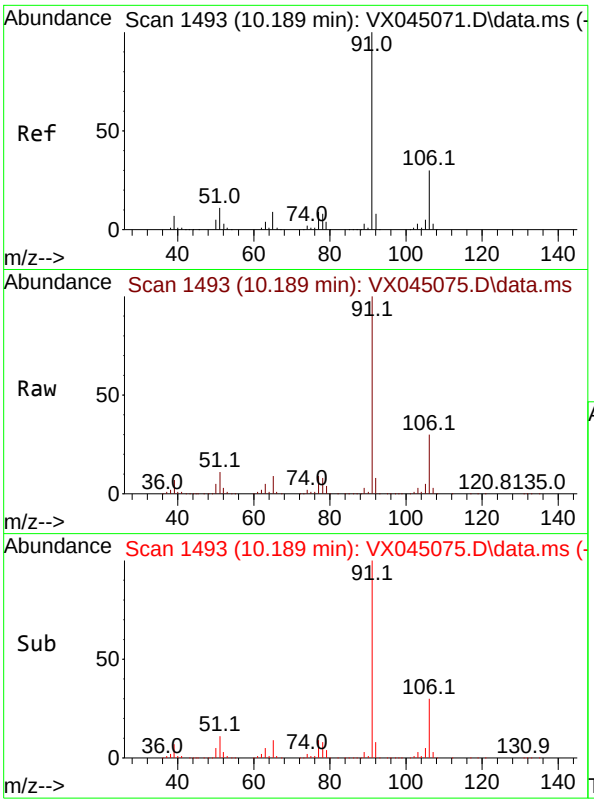


#66
1,1,1,2-Tetrachloroethane
Concen: 51.102 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



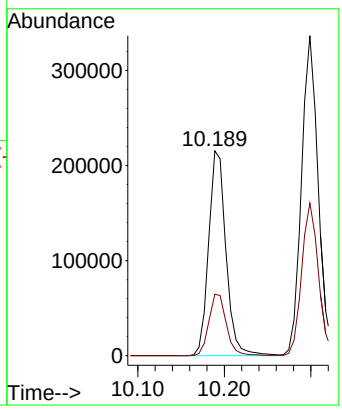


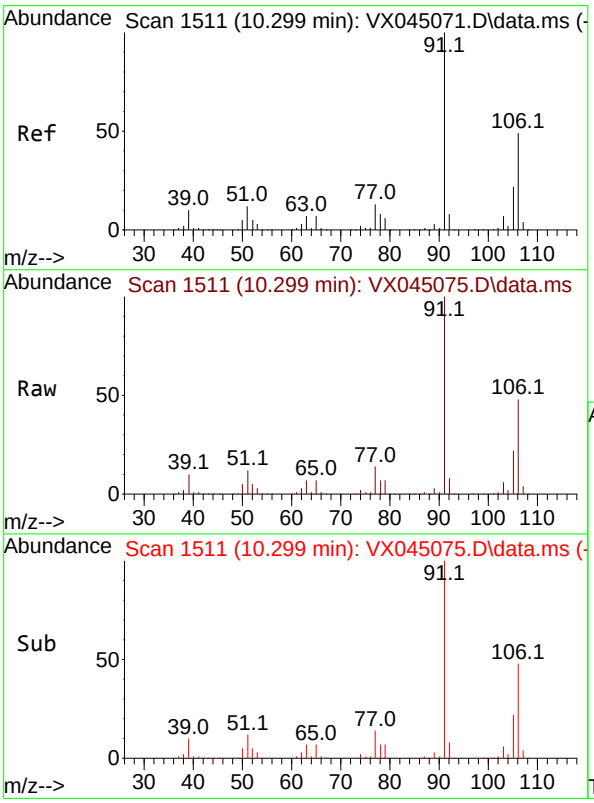
#67
Ethyl Benzene
Concen: 51.621 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 300324

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

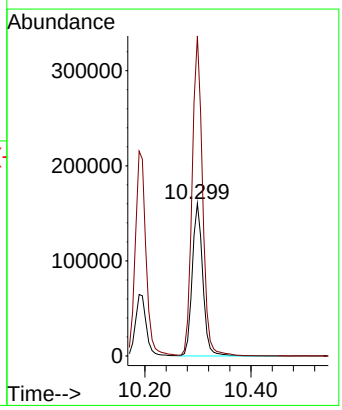


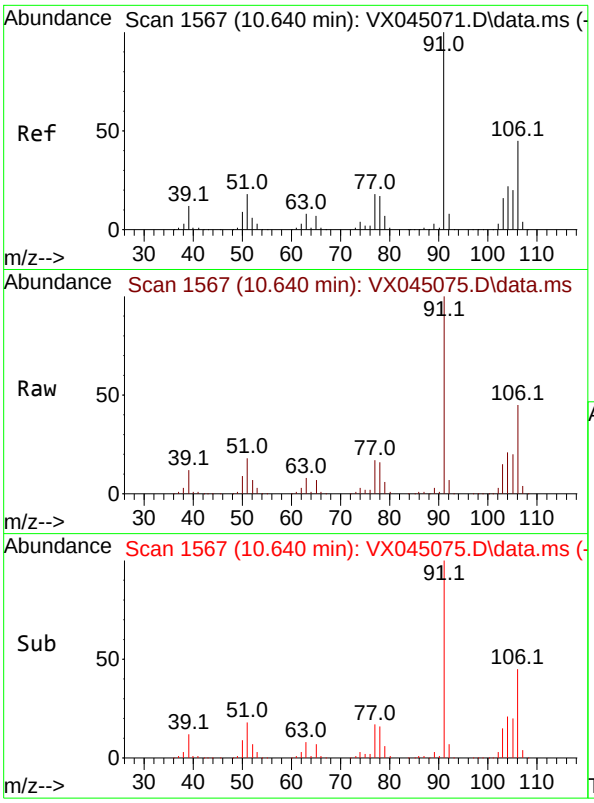


#68
m/p-Xylenes
Concen: 103.454 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:106 Resp: 220335

Ion	Ratio	Lower	Upper
106	100		
91	207.8	165.4	248.0



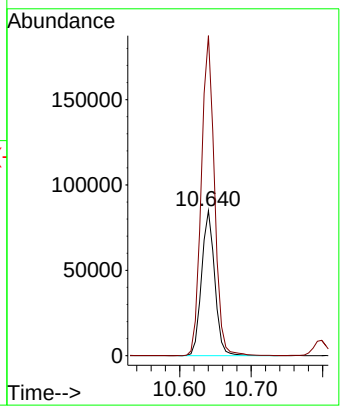


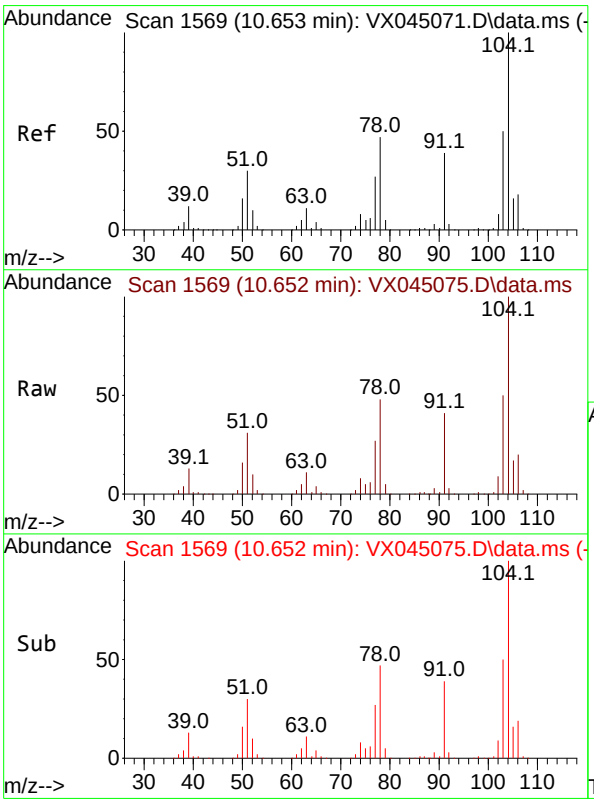
#69
o-Xylene
Concen: 50.668 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:106 Resp: 108836

Ion	Ratio	Lower	Upper
106	100		
91	220.5	109.9	329.6

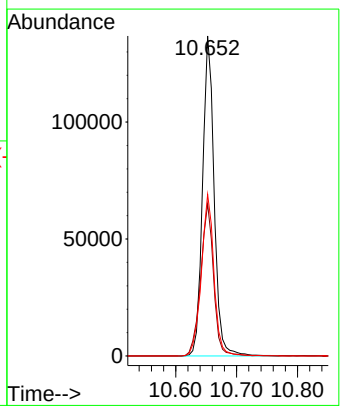


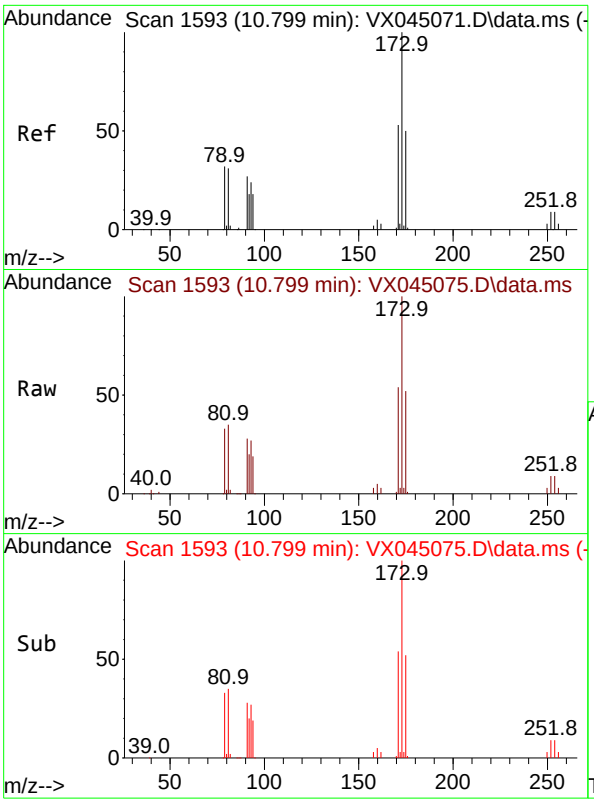


#70
Styrene
Concen: 52.177 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



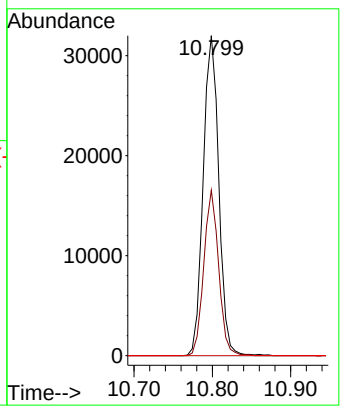


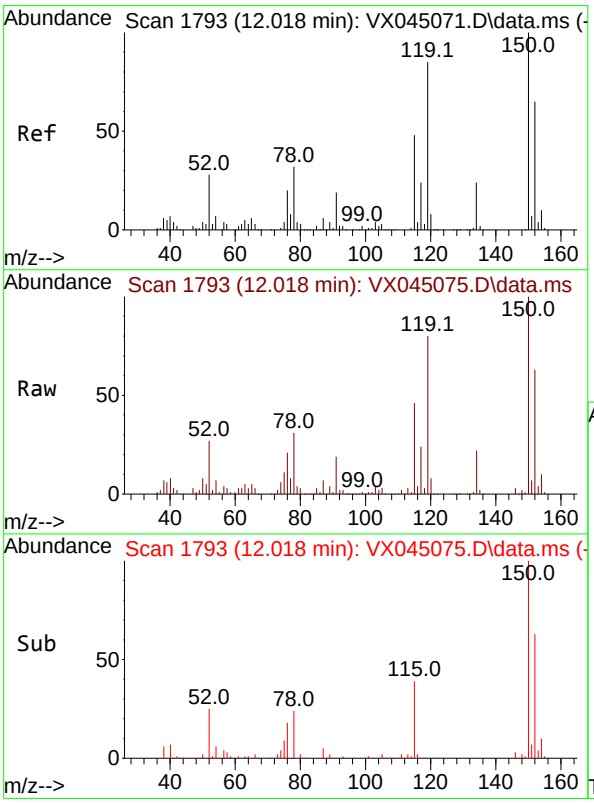
#71
Bromoform
Concen: 52.636 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

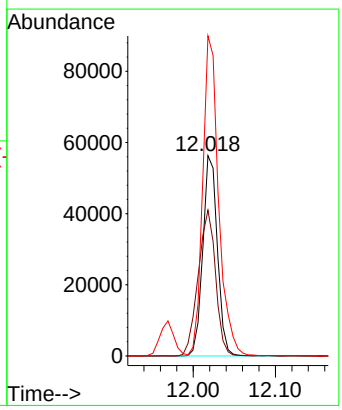


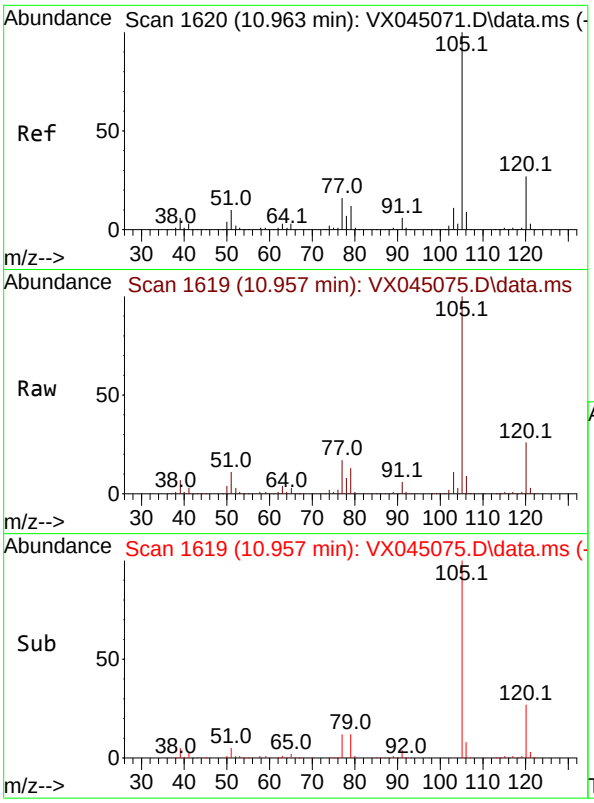


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



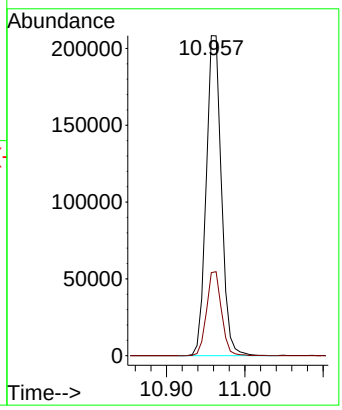


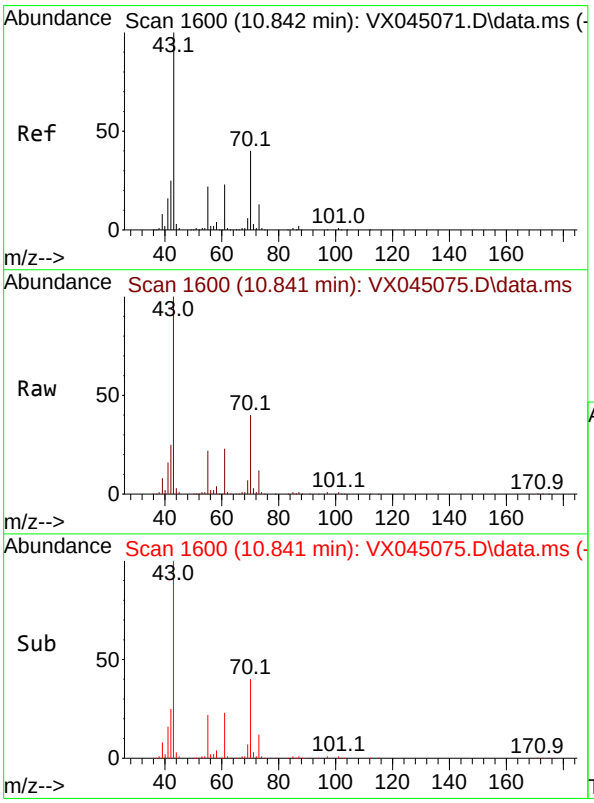
#73
Isopropylbenzene
Concen: 51.589 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:105 Resp: 279278

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5

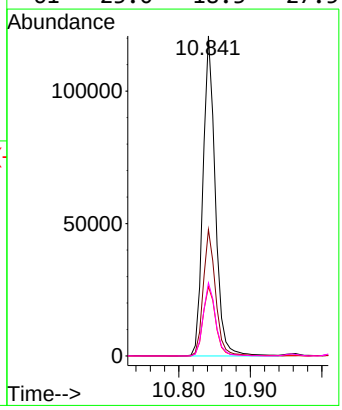


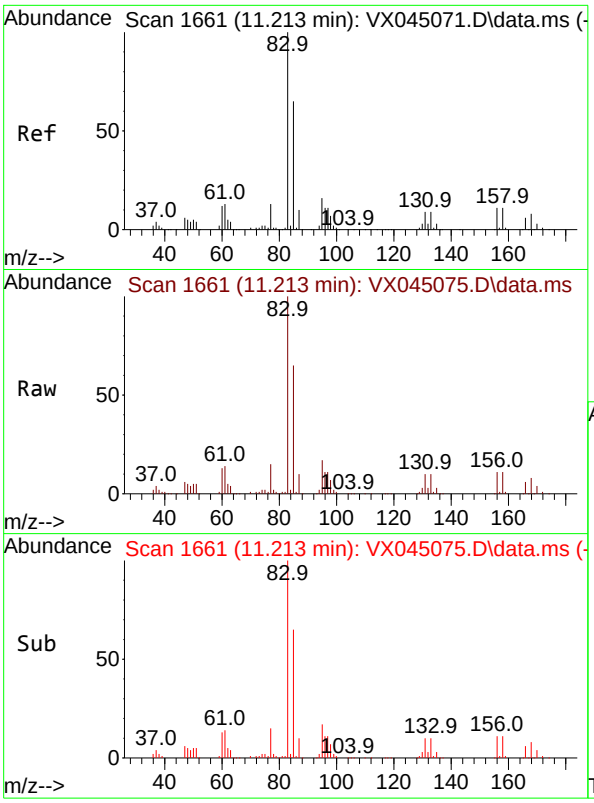


#74
N-amyl acetate
Concen: 56.851 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



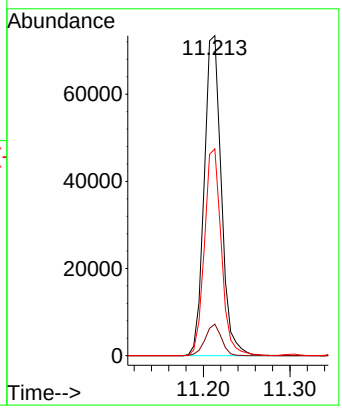


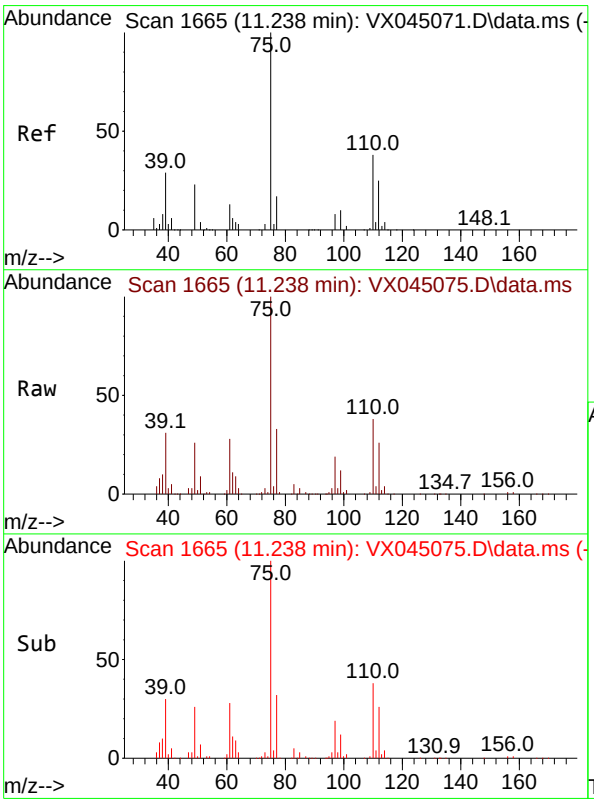
#75
1,1,2,2-Tetrachloroethane
Concen: 50.741 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

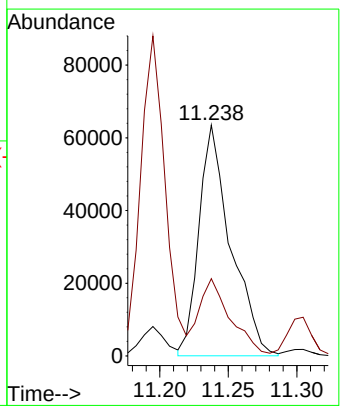


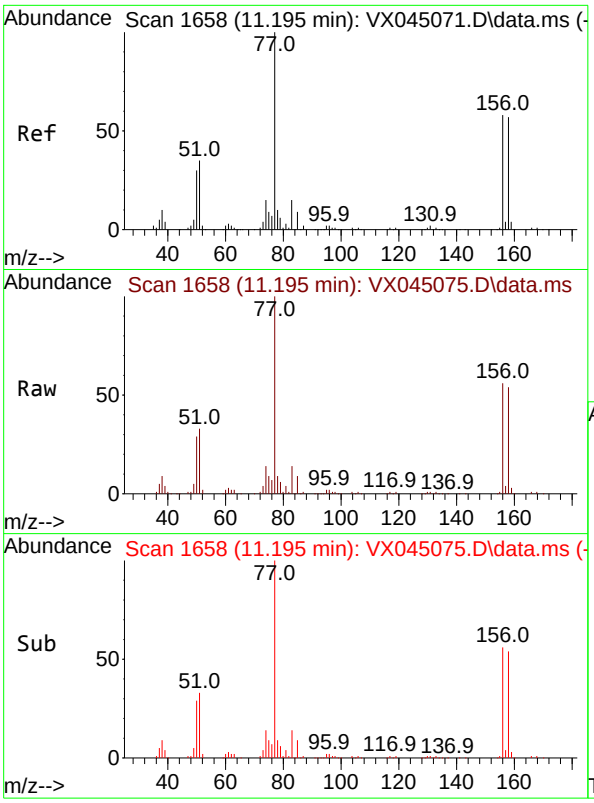


#76
1,2,3-Trichloropropane
Concen: 63.694 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 75 Resp: 102821

Ion	Ratio	Lower	Upper
75	100		
77	33.3	20.7	62.1



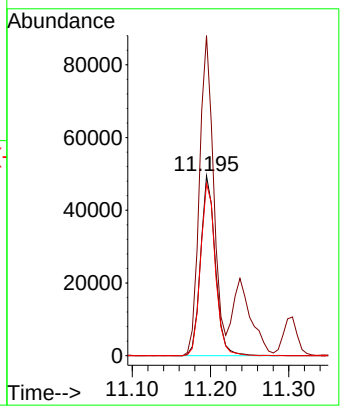


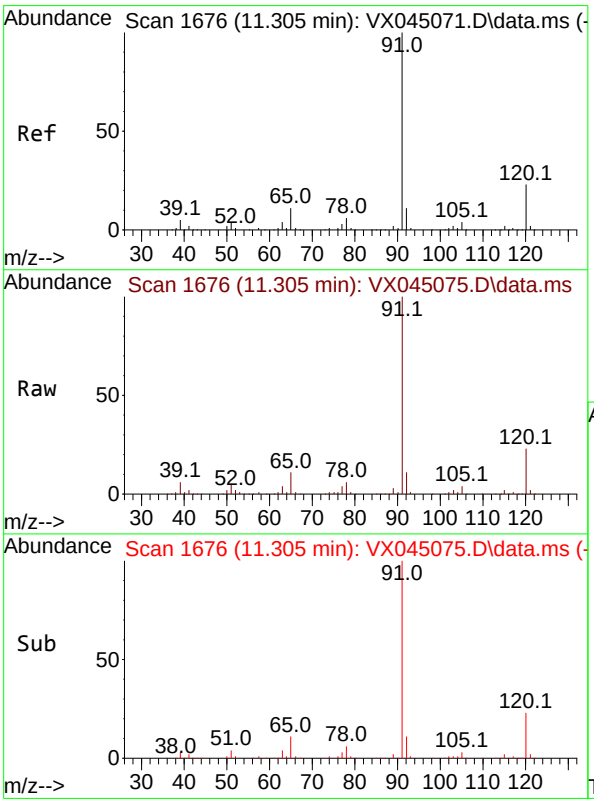
#77
Bromobenzene
Concen: 50.360 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

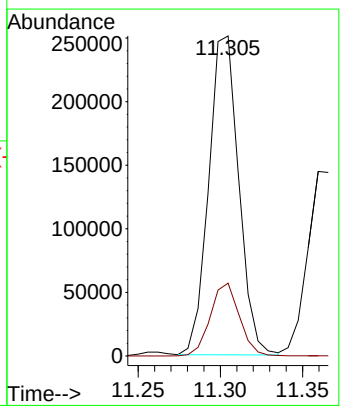


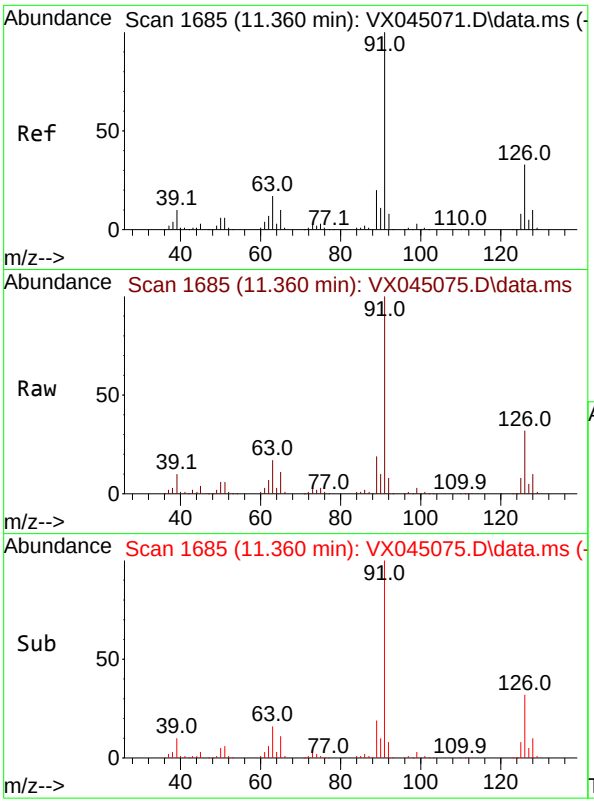


#78
n-propylbenzene
Concen: 52.203 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 319235

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6



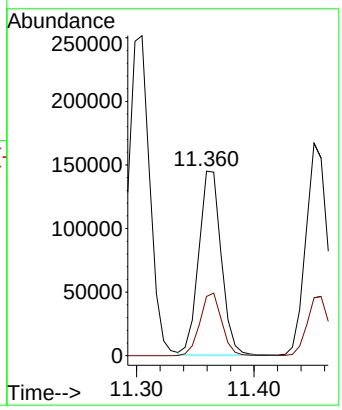


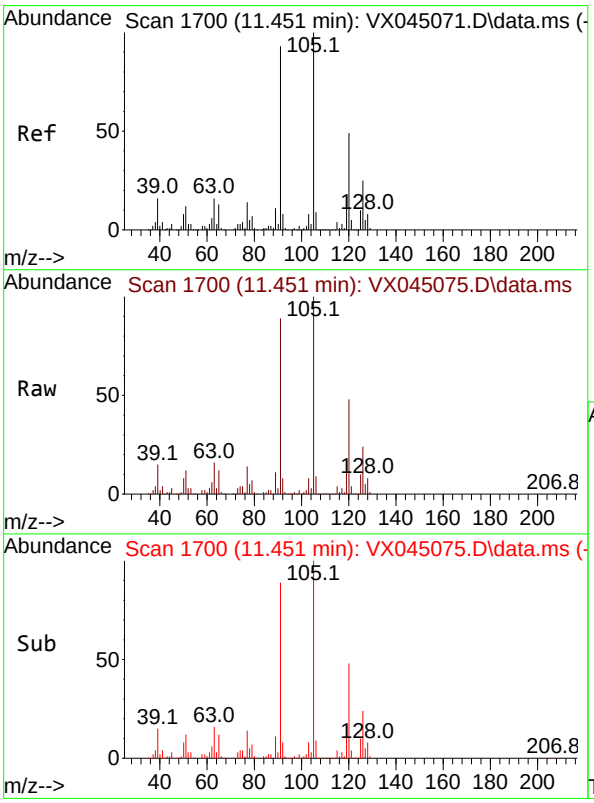
#79
2-Chlorotoluene
Concen: 49.338 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion: 91 Resp: 192150

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

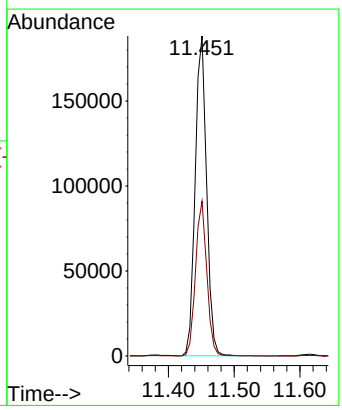


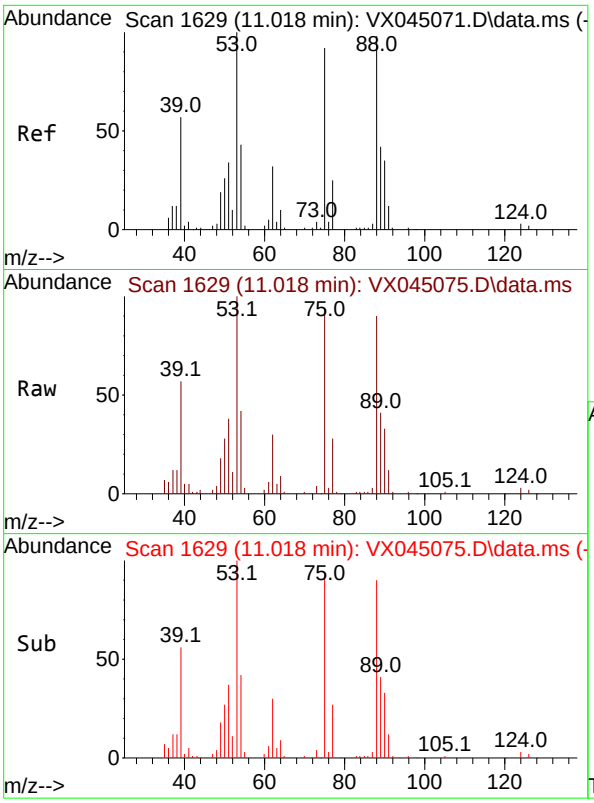


#80
1,3,5-Trimethylbenzene
Concen: 51.544 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 225622

Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.1	72.2



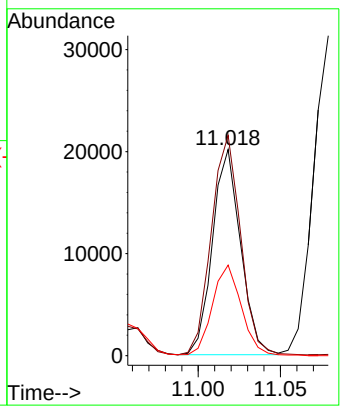


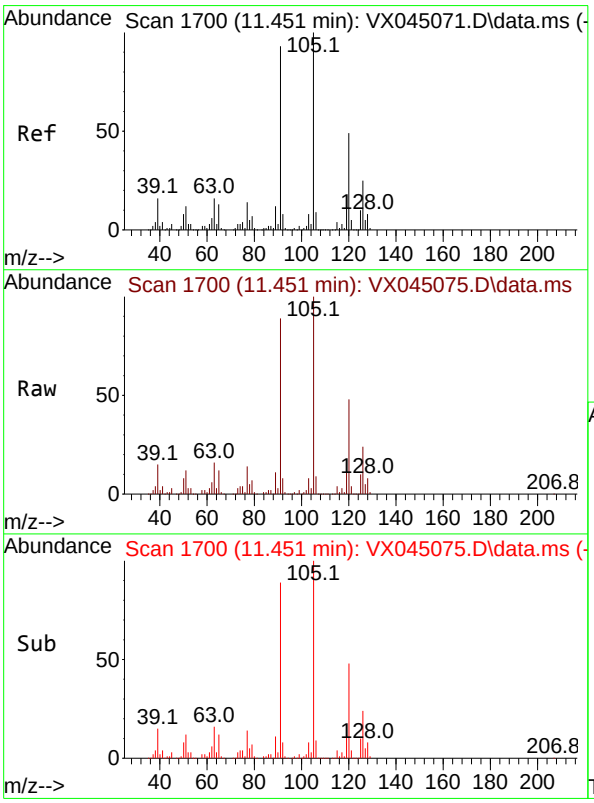
#81
trans-1,4-Dichloro-2-butene
Concen: 50.757 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

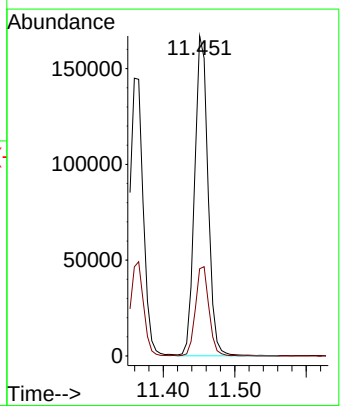


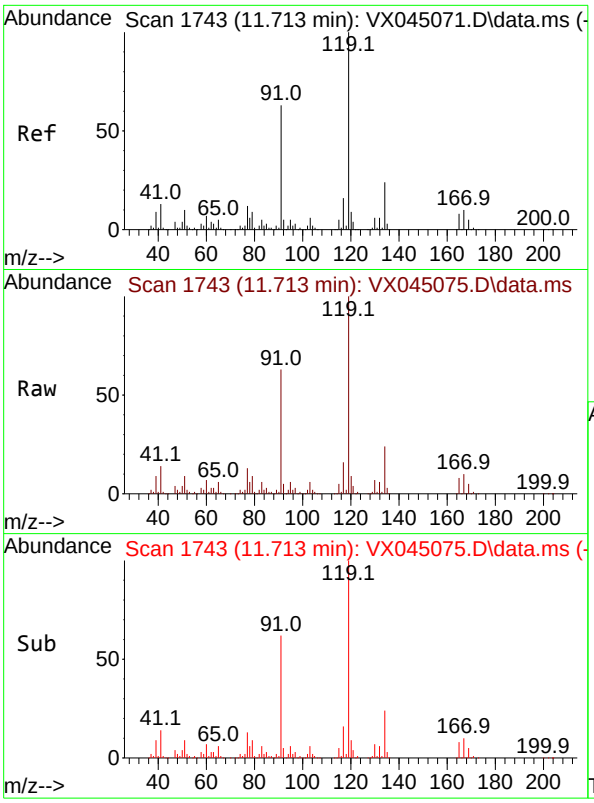


#82
4-Chlorotoluene
Concen: 51.009 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion: 91 Resp: 216511

Ion	Ratio	Lower	Upper
91	100		
126	28.3	14.1	42.4



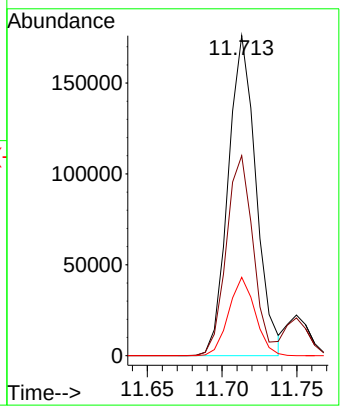


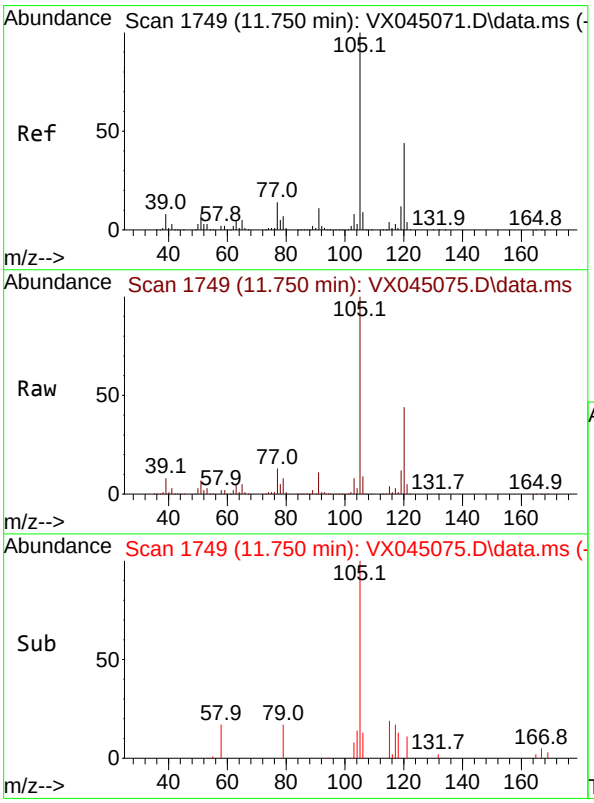
#83
tert-Butylbenzene
Concen: 50.552 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

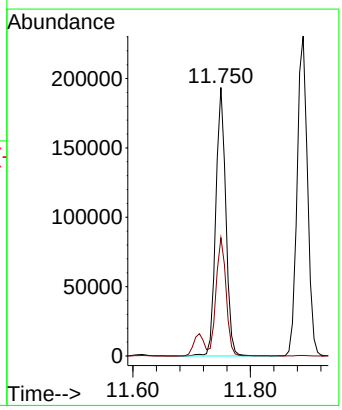


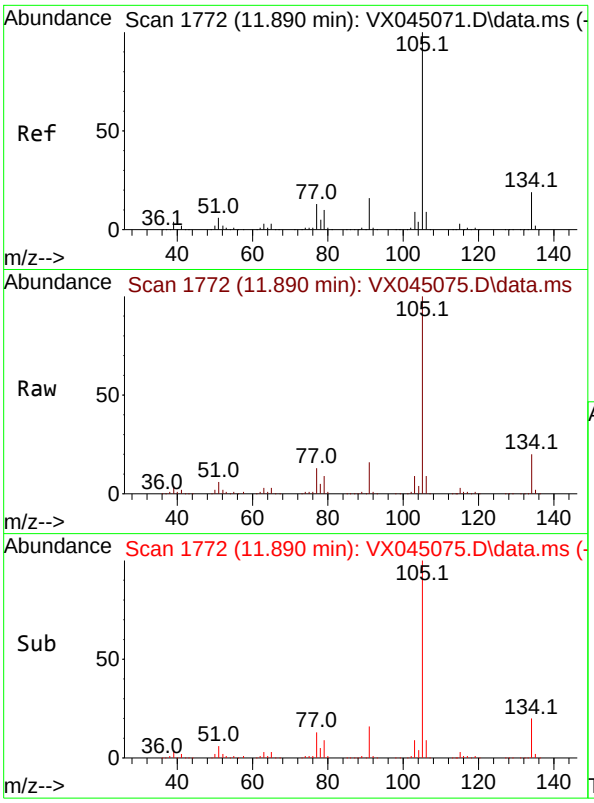


#84
1,2,4-Trimethylbenzene
Concen: 51.932 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:105 Resp: 228729

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



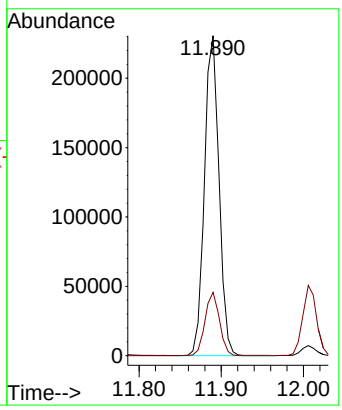


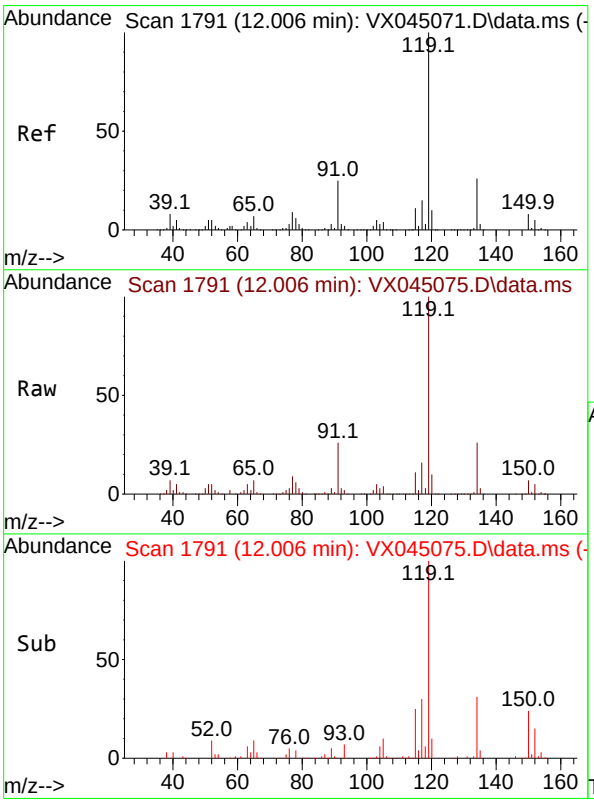
#85
sec-Butylbenzene
Concen: 52.703 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Instrument :
MSVOA_X
ClientSampleId :
ICVVX022825

Tgt Ion:105 Resp: 283931

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

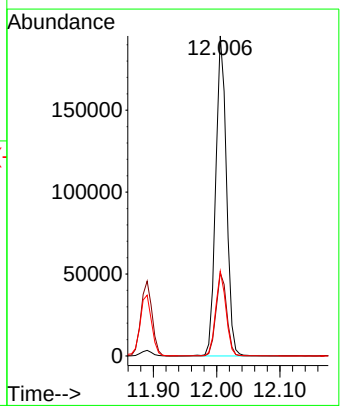


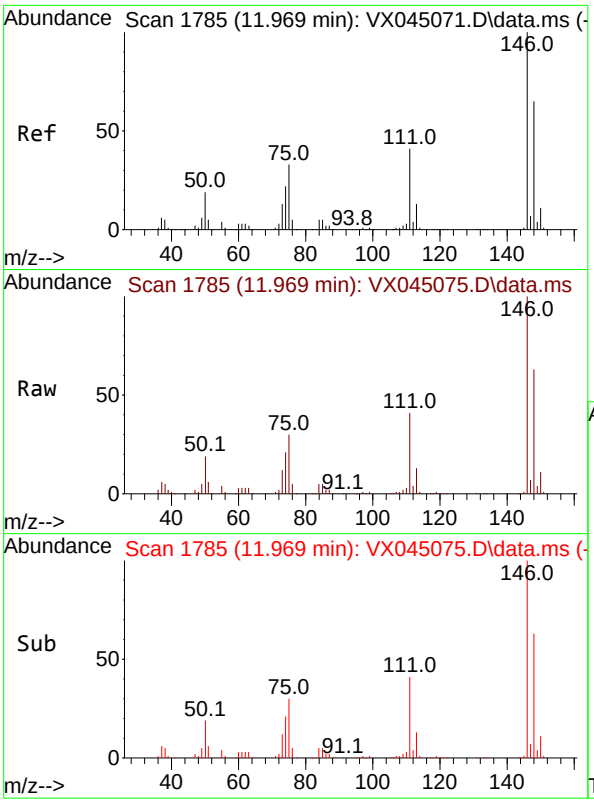


#86
p-Isopropyltoluene
Concen: 52.803 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



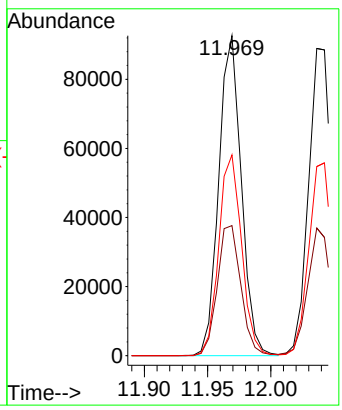


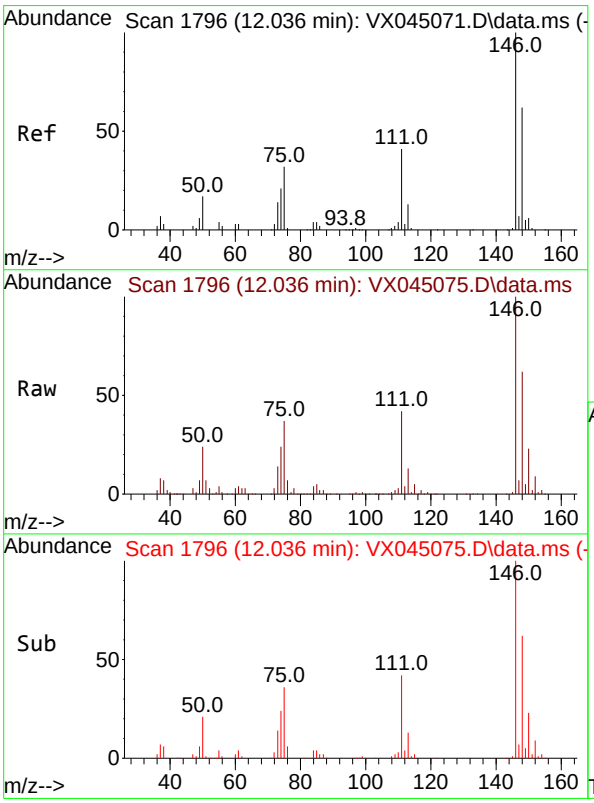
#87
1,3-Dichlorobenzene
Concen: 50.372 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

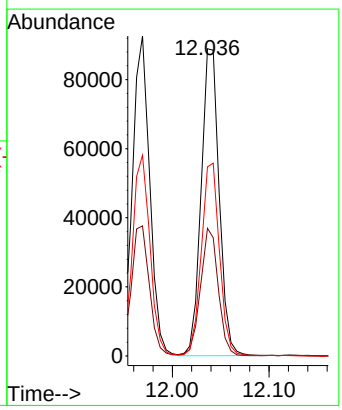


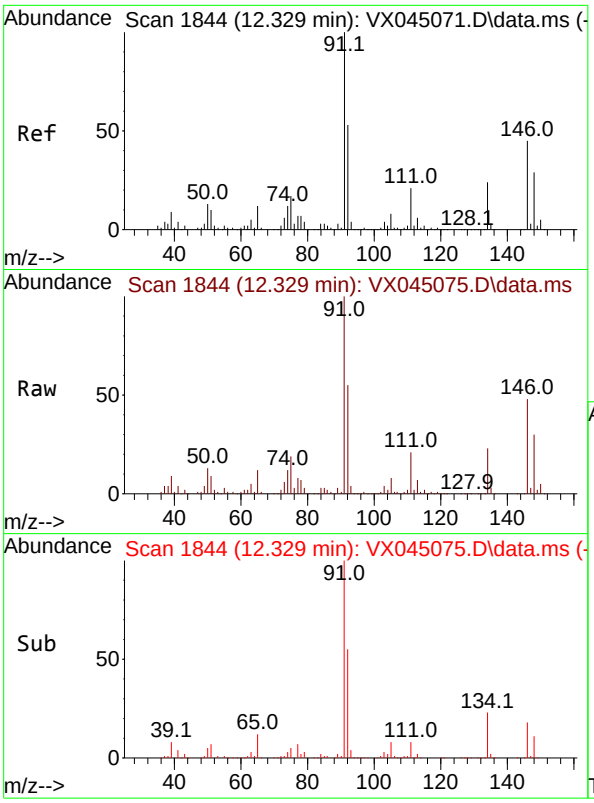


#88
1,4-Dichlorobenzene
Concen: 50.097 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



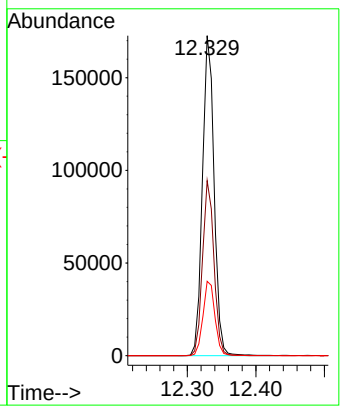


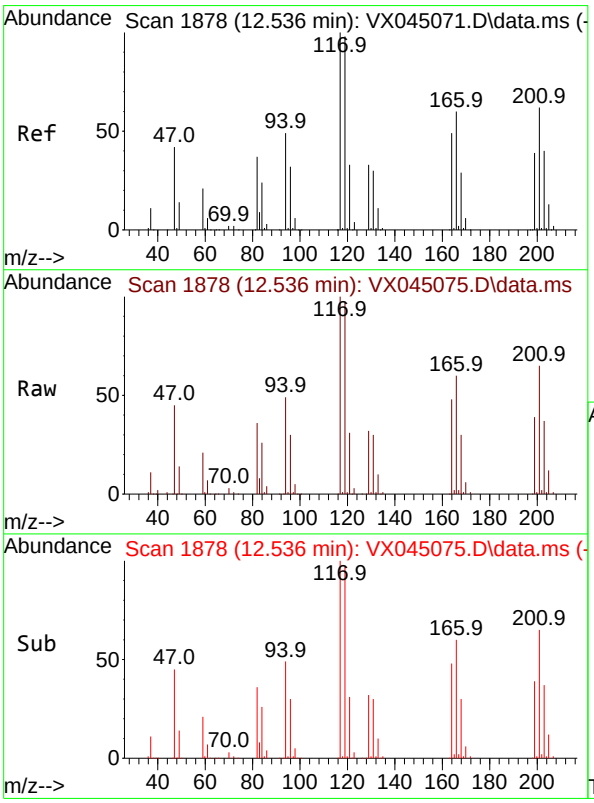
#89
n-Butylbenzene
Concen: 54.662 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

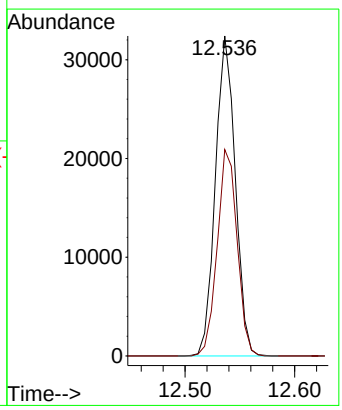


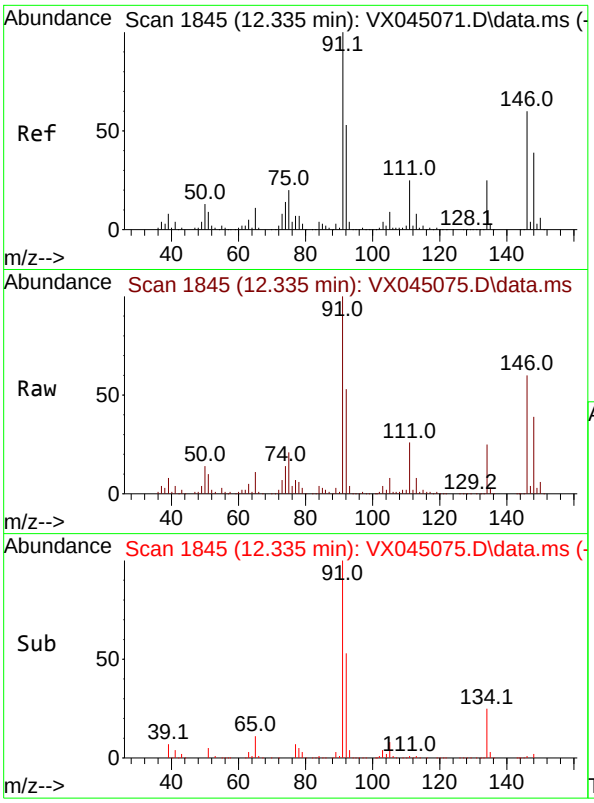


#90
Hexachloroethane
Concen: 51.866 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

Tgt Ion:117 Resp: 40844

Ion	Ratio	Lower	Upper
117	100		
201	64.7	31.9	95.9



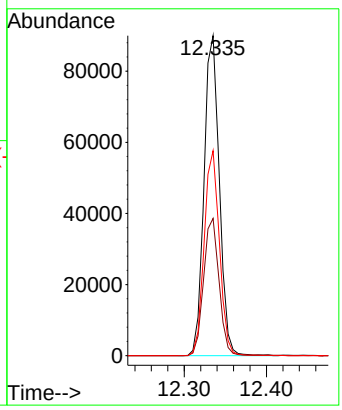


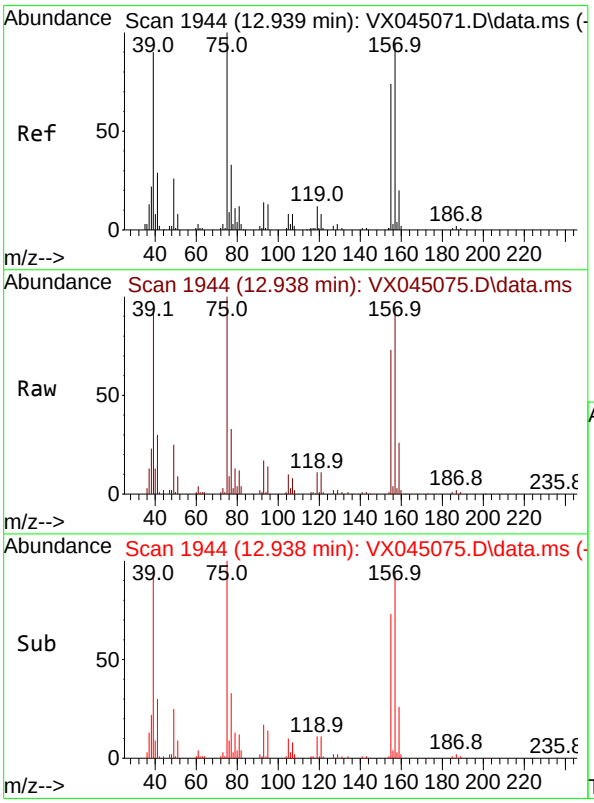
#91
1,2-Dichlorobenzene
Concen: 50.899 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

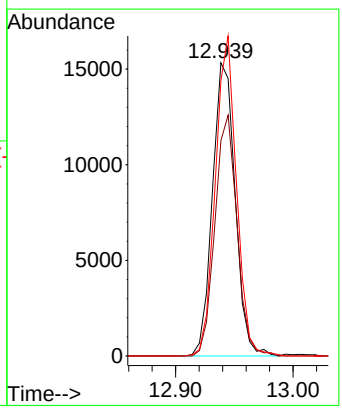


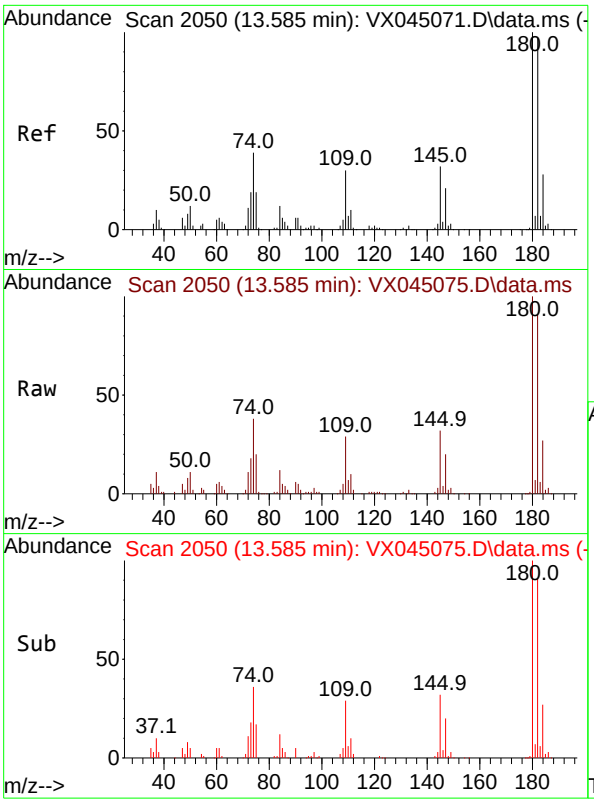


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.199 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



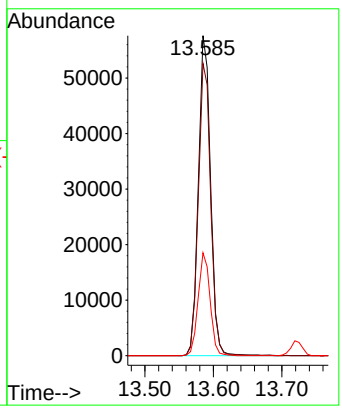


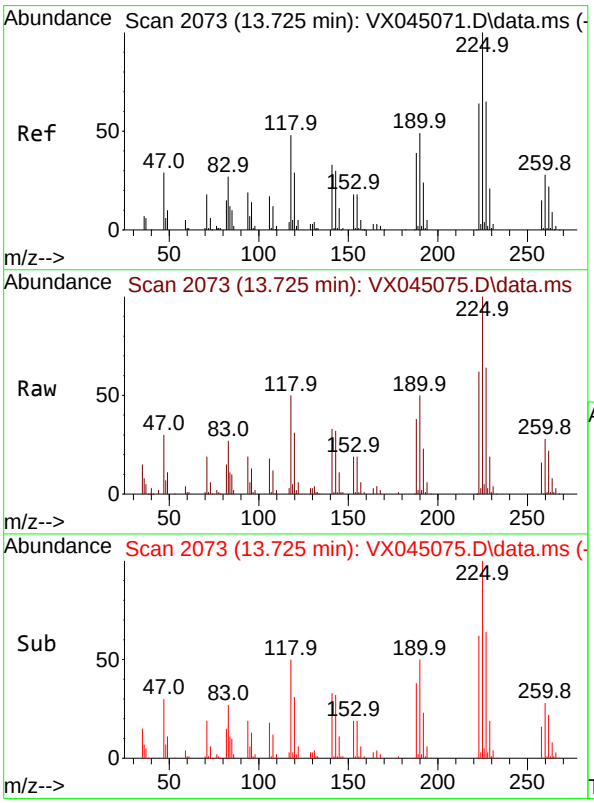
#93
1,2,4-Trichlorobenzene
Concen: 54.834 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

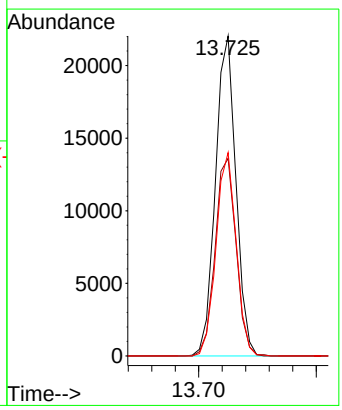


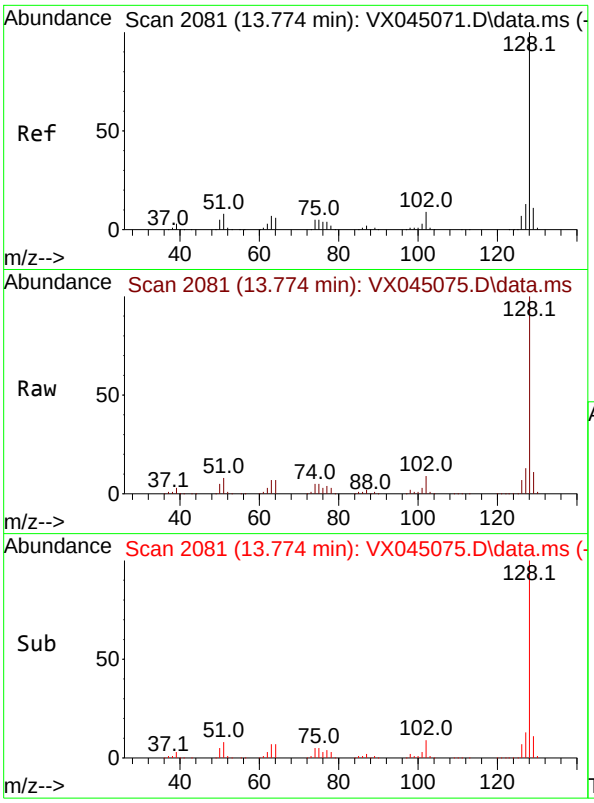


#94
Hexachlorobutadiene
Concen: 50.032 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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



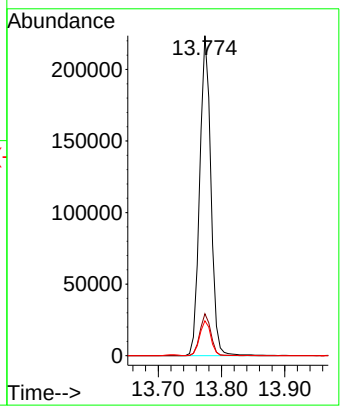


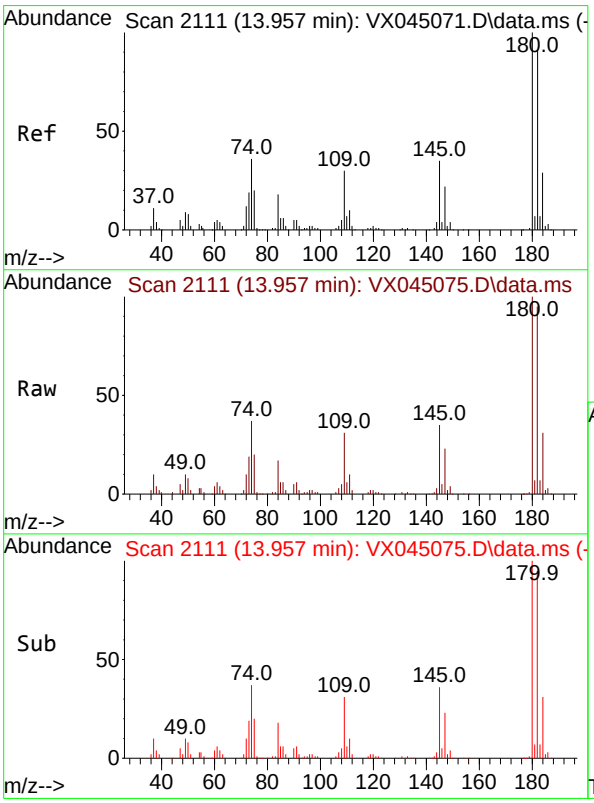
#95
Naphthalene
Concen: 55.163 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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

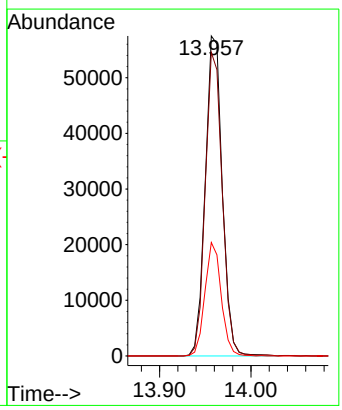




#96
1,2,3-Trichlorobenzene
Concen: 54.049 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX045075.D
Acq: 28 Feb 2025 04:33

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\VX031025\
Data File : VX045183.D
Acq On : 10 Mar 2025 10:06
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 11 03:49:33 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	120068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	201201	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	175591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	87615	45.875	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.760%			
35) Dibromofluoromethane	5.379	113	69391	51.577	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.160%			
50) Toluene-d8	8.641	98	247275	50.697	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.400%			
62) 4-Bromofluorobenzene	11.079	95	85749	53.054	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	76818	50.827	ug/l	94
3) Chloromethane	1.307	50	83938	45.382	ug/l	96
4) Vinyl Chloride	1.374	62	83429	45.470	ug/l	99
5) Bromomethane	1.593	94	34226	47.451	ug/l	98
6) Chloroethane	1.666	64	42535	50.258	ug/l	98
7) Trichlorofluoromethane	1.874	101	119753	49.302	ug/l	96
8) Diethyl Ether	2.130	74	41193	43.358	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	73749	52.848	ug/l	98
10) Methyl Iodide	2.441	142	86895	49.827	ug/l	98
11) Tert butyl alcohol	2.977	59	65463	180.958	ug/l	98
12) 1,1-Dichloroethene	2.307	96	70442	47.745	ug/l	97
13) Acrolein	2.233	56	87771	209.887	ug/l	99
14) Allyl chloride	2.654	41	131254	49.978	ug/l	97
15) Acrylonitrile	3.062	53	225967	233.063	ug/l	99
16) Acetone	2.386	43	202013	227.976	ug/l	100
17) Carbon Disulfide	2.502	76	184260	46.890	ug/l	98
18) Methyl Acetate	2.703	43	107373	50.370	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	237614	48.004	ug/l	98
20) Methylene Chloride	2.782	84	80927	46.105	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	70577	48.421	ug/l	99
22) Diisopropyl ether	3.757	45	258893	48.472	ug/l	96
23) Vinyl Acetate	3.715	43	1105475	248.018	ug/l	100
24) 1,1-Dichloroethane	3.599	63	141147	47.153	ug/l	100
25) 2-Butanone	4.556	43	307413	230.475	ug/l	99
26) 2,2-Dichloropropane	4.465	77	107346	76.455	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	85594	47.570	ug/l	95
28) Bromochloromethane	4.891	49	67994	47.656	ug/l	100
29) Tetrahydrofuran	5.001	42	195295	218.029	ug/l	100
30) Chloroform	5.080	83	137670	46.287	ug/l	100
31) Cyclohexane	5.458	56	125667	48.363	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	117363	48.857	ug/l	99
36) 1,1-Dichloropropene	5.684	75	93569	50.714	ug/l	99
37) Ethyl Acetate	4.709	43	115384	48.532	ug/l	99
38) Carbon Tetrachloride	5.666	117	98310	52.483	ug/l	96
39) Methylcyclohexane	7.373	83	125387	56.716	ug/l	99
40) Benzene	6.025	78	292214	50.155	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045183.D
Acq On : 10 Mar 2025 10:06
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 11 03:49:33 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	66579	51.791	ug/l		99
42) 1,2-Dichloroethane	6.080	62	105041	50.066	ug/l		100
43) Isopropyl Acetate	6.336	43	184950	52.608	ug/l		100
44) Trichloroethene	7.117	130	67819	49.573	ug/l		96
45) 1,2-Dichloropropane	7.421	63	75705	50.538	ug/l		97
46) Dibromomethane	7.574	93	54188	51.179	ug/l		98
47) Bromodichloromethane	7.818	83	108406	52.199	ug/l		100
48) Methyl methacrylate	7.690	41	89906	50.975	ug/l		98
49) 1,4-Dioxane	7.659	88	31109	836.168	ug/l		98
51) 4-Methyl-2-Pentanone	8.568	43	589180	249.597	ug/l		100
52) Toluene	8.714	92	176101	51.516	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	102467	59.017	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	115256	56.928	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	69076	49.085	ug/l		97
56) Ethyl methacrylate	9.116	69	115354	53.926	ug/l		100
57) 1,3-Dichloropropane	9.305	76	119199	48.945	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	289282	277.227	ug/l		100
59) 2-Hexanone	9.427	43	423044	247.351	ug/l		100
60) Dibromochloromethane	9.519	129	79393	53.957	ug/l		98
61) 1,2-Dibromoethane	9.604	107	71462	50.868	ug/l		99
64) Tetrachloroethene	9.269	164	58211	51.762	ug/l		92
65) Chlorobenzene	10.073	112	191302	51.488	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	63118	51.011	ug/l		99
67) Ethyl Benzene	10.189	91	339985	52.516	ug/l		99
68) m/p-Xylenes	10.299	106	249065	105.093	ug/l		98
69) o-Xylene	10.640	106	121971	51.028	ug/l		98
70) Styrene	10.653	104	205472	53.127	ug/l		100
71) Bromoform	10.799	173	51727	55.438	ug/l	#	98
73) Isopropylbenzene	10.957	105	320616	52.853	ug/l		99
74) N-amyl acetate	10.842	43	151990	53.397	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	106372	47.785	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	114301	63.188	ug/l		86
77) Bromobenzene	11.195	156	73209	51.150	ug/l		99
78) n-propylbenzene	11.299	91	375437	54.788	ug/l		99
79) 2-Chlorotoluene	11.360	91	220488	50.523	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	260502	53.110	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	32105	60.738	ug/l		99
82) 4-Chlorotoluene	11.451	91	250938	52.759	ug/l		100
83) tert-Butylbenzene	11.713	119	264070	52.398	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	259958	52.673	ug/l		100
85) sec-Butylbenzene	11.890	105	333580	55.257	ug/l		100
86) p-Isopropyltoluene	12.006	119	272285	55.812	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	132399	51.855	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	130377	50.472	ug/l		98
89) n-Butylbenzene	12.329	91	249102	59.284	ug/l		100
90) Hexachloroethane	12.536	117	48824	55.329	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	128496	50.169	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21710	50.061	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	80625	55.282	ug/l		99
94) Hexachlorobutadiene	13.725	225	34023	56.902	ug/l		99
95) Naphthalene	13.774	128	286647	51.156	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	82943	53.910	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045183.D
Acq On : 10 Mar 2025 10:06
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 11 03:49:33 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)

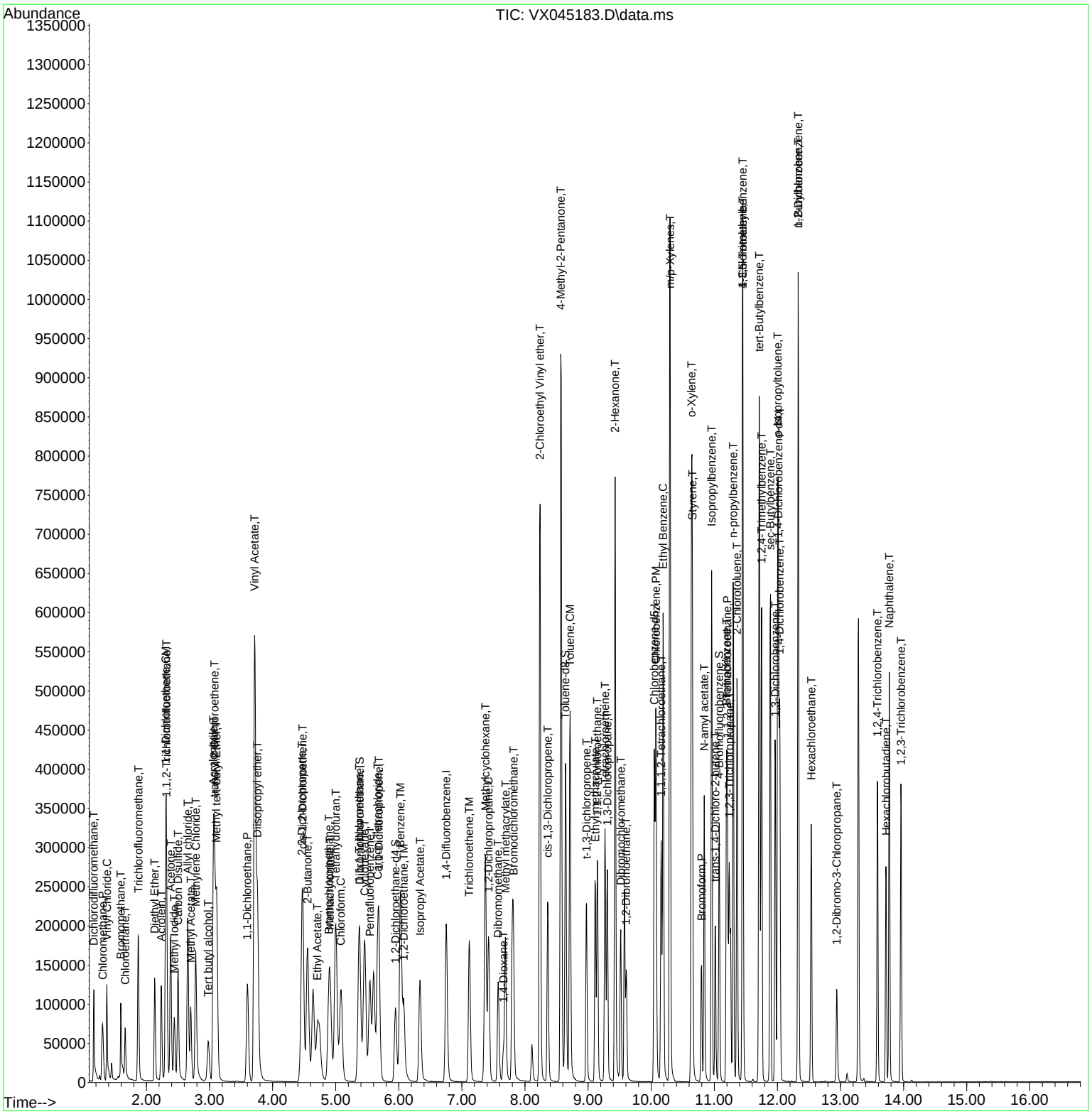
(#) = qualifier out of range (m) = manual integration (+) = signals summed

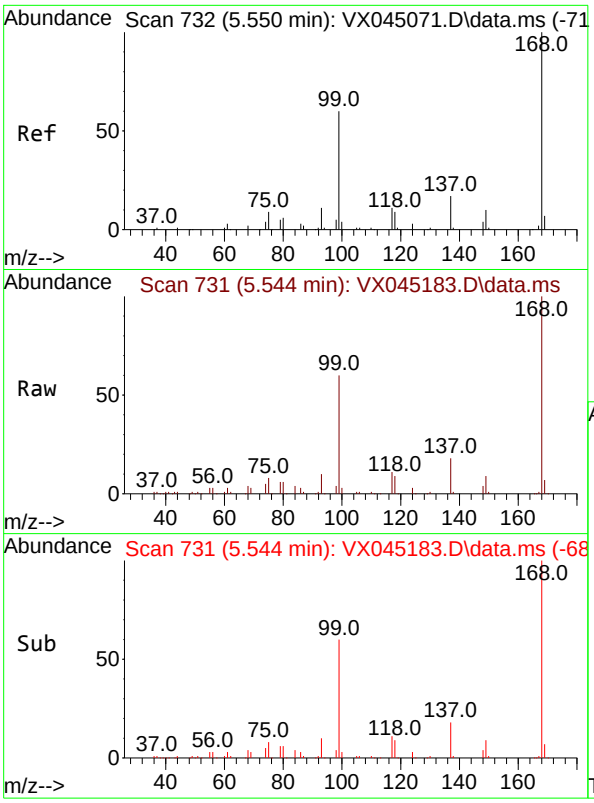
Quantitation Report (Not Reviewed)

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Data File : VX045183.D
Acq On : 10 Mar 2025 10:06
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 11 03:49:33 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



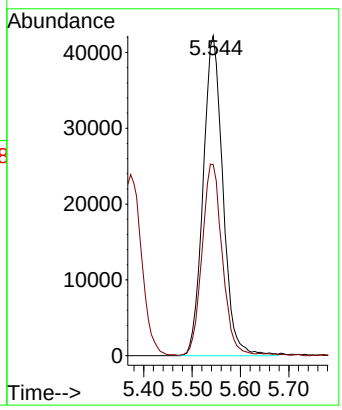


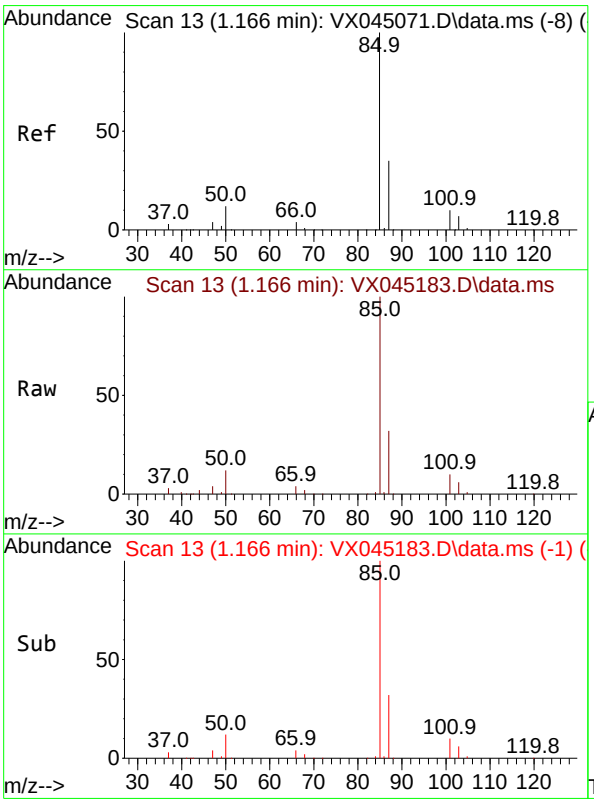
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 120068

Ion	Ratio	Lower	Upper
168	100		
99	59.6	48.2	72.4

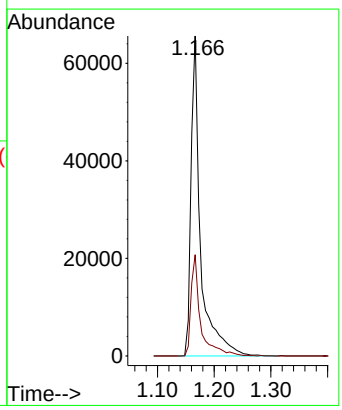


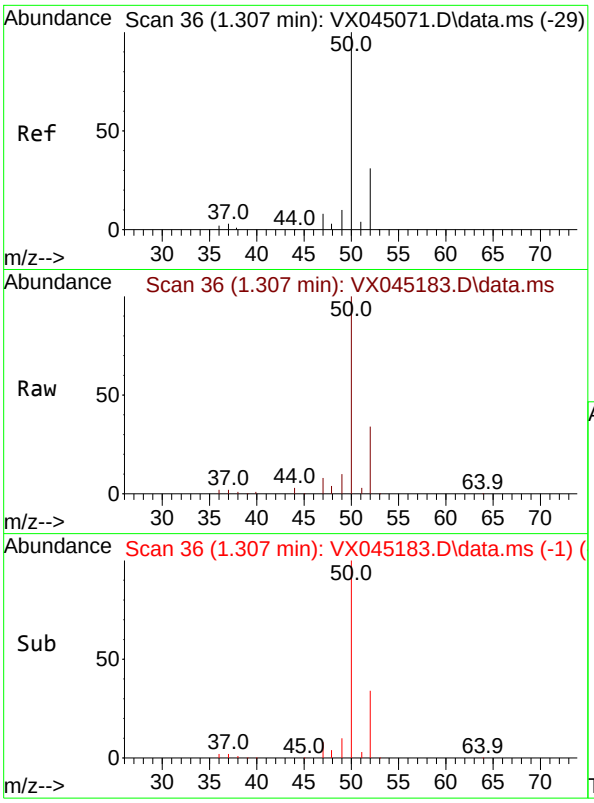


#2
Dichlorodifluoromethane
Concen: 50.827 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 85 Resp: 76818

Ion	Ratio	Lower	Upper
85	100		
87	31.7	17.4	52.3



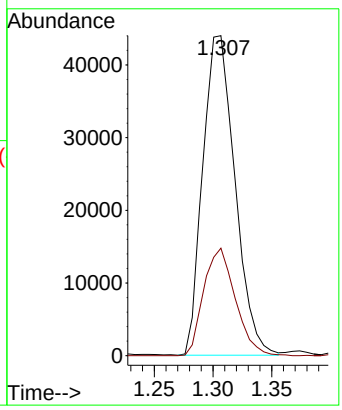


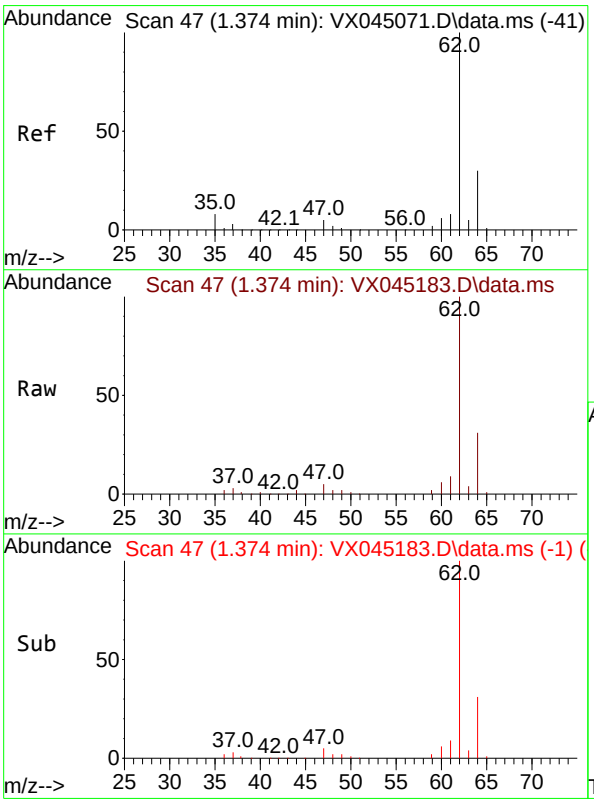
#3
Chloromethane
Concen: 45.382 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 83938

Ion	Ratio	Lower	Upper
50	100		
52	33.7	25.0	37.4

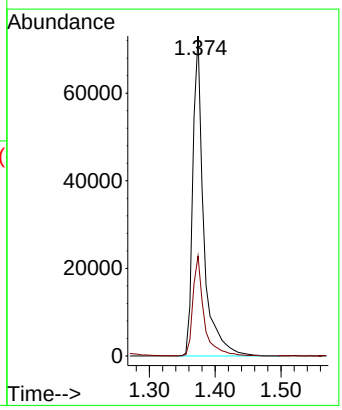


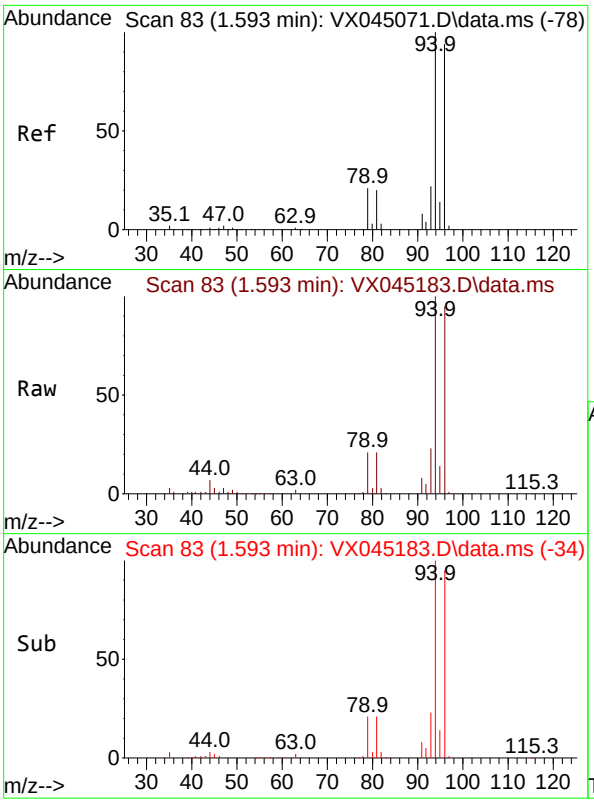


#4
Vinyl Chloride
Concen: 45.470 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 62 Resp: 83429

Ion	Ratio	Lower	Upper
62	100		
64	31.2	24.3	36.5



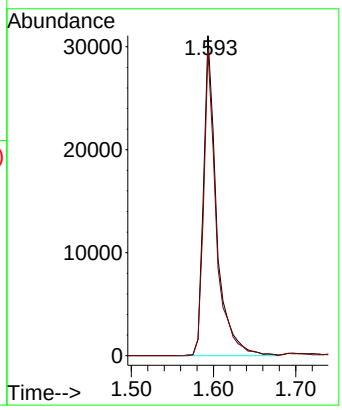


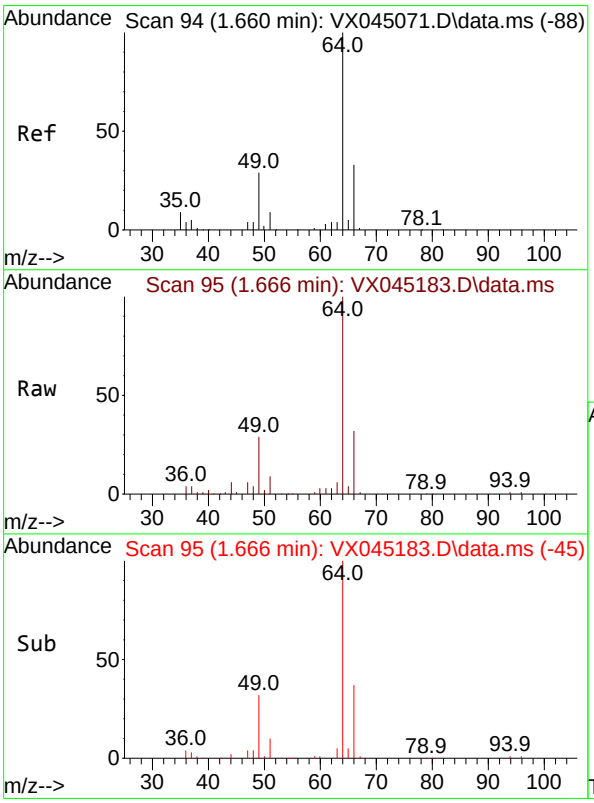
#5
Bromomethane
Concen: 47.451 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 34226

Ion	Ratio	Lower	Upper
94	100		
96	95.3	75.0	112.4

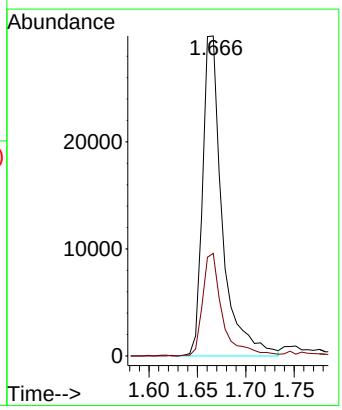


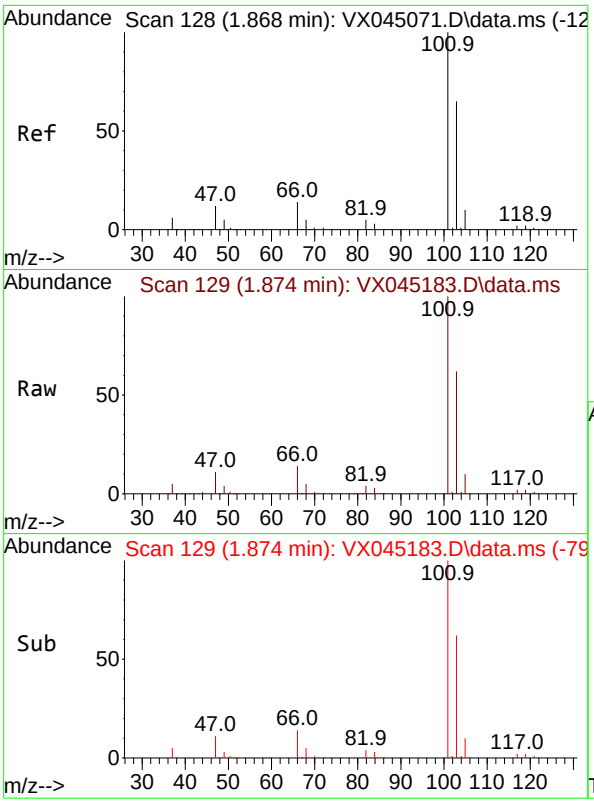


#6
Chloroethane
Concen: 50.258 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 64 Resp: 42535

Ion	Ratio	Lower	Upper
64	100		
66	32.1	26.7	40.1



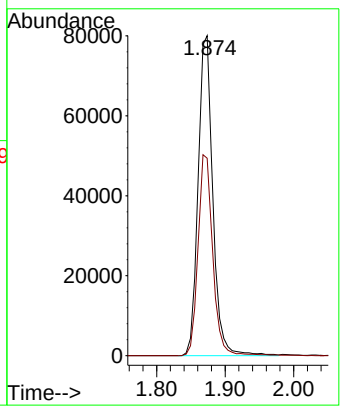


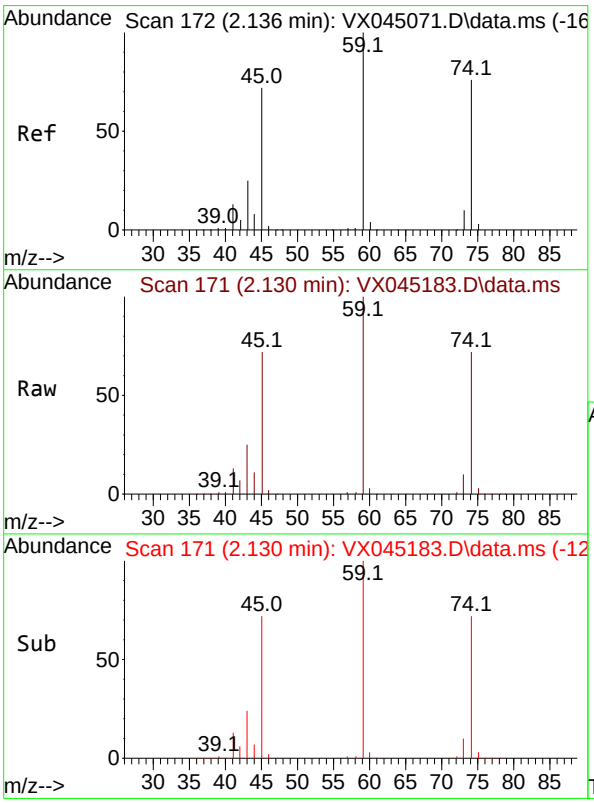
#7
Trichlorofluoromethane
Concen: 49.302 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 119753

Ion	Ratio	Lower	Upper
101	100		
103	61.7	52.1	78.1

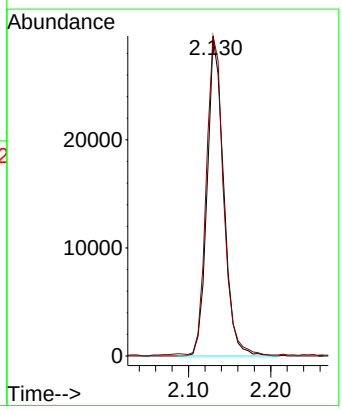


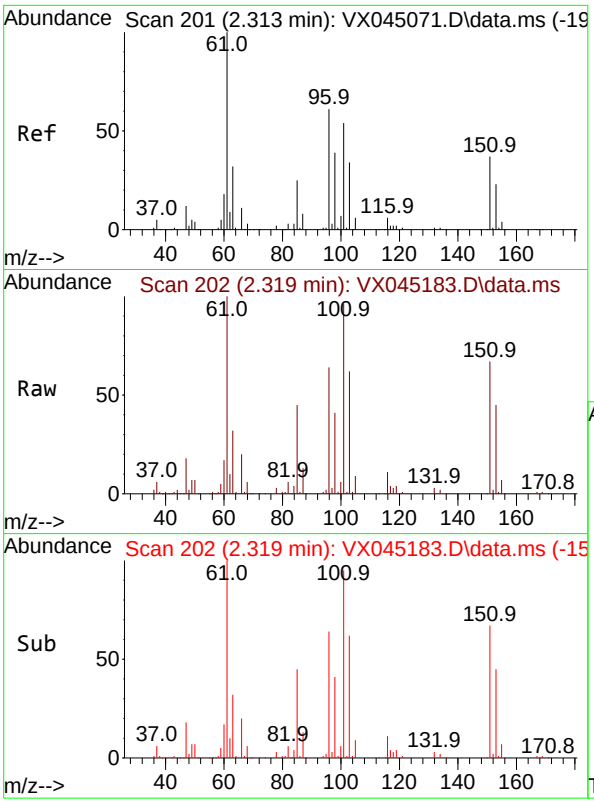


#8
Diethyl Ether
Concen: 43.358 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 74 Resp: 41193

Ion	Ratio	Lower	Upper
74	100		
45	105.9	51.5	154.5



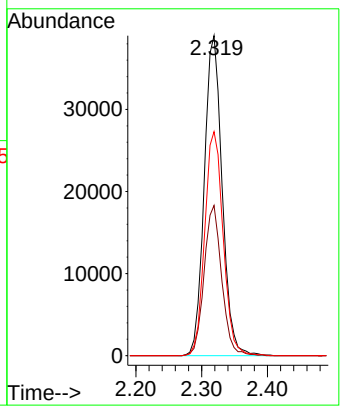


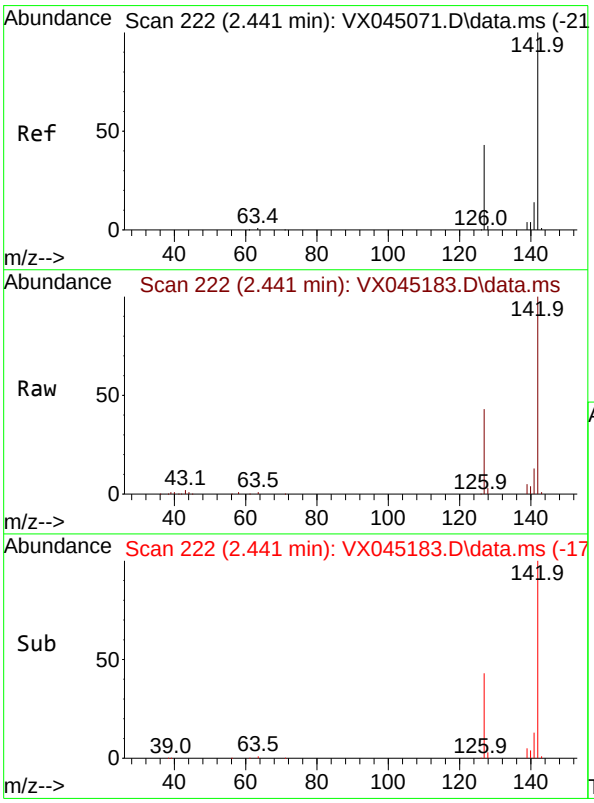
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.848 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 73749

Ion	Ratio	Lower	Upper
101	100		
85	46.2	36.2	54.4
151	72.1	56.4	84.6

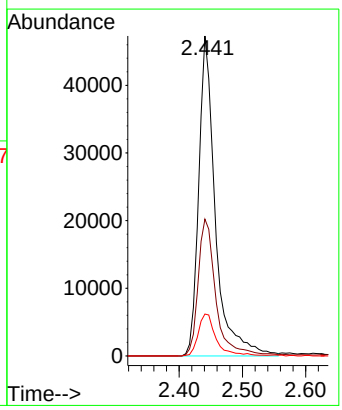


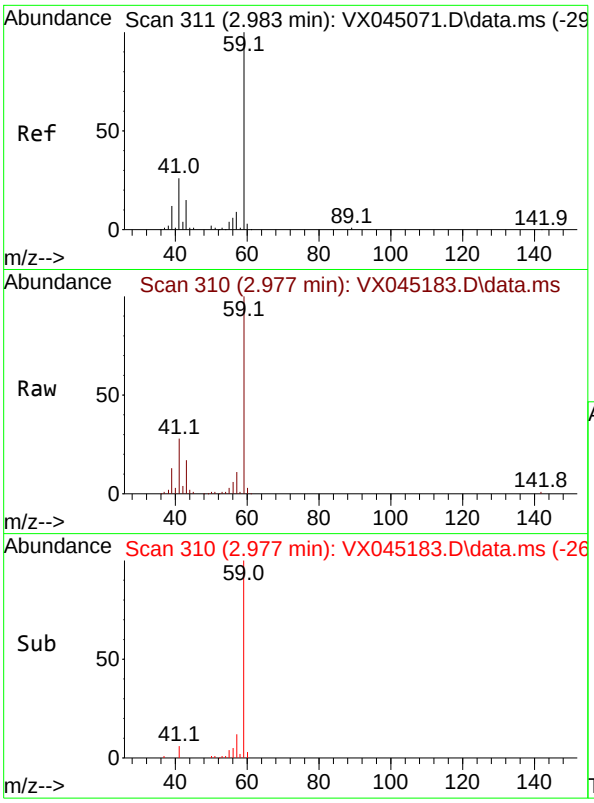


#10
Methyl Iodide
Concen: 49.827 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:142 Resp: 86895

Ion	Ratio	Lower	Upper
142	100		
127	45.8	35.4	53.2
141	14.1	11.6	17.4



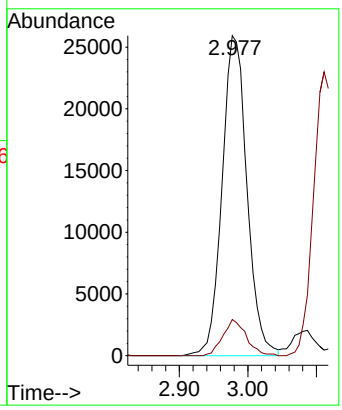


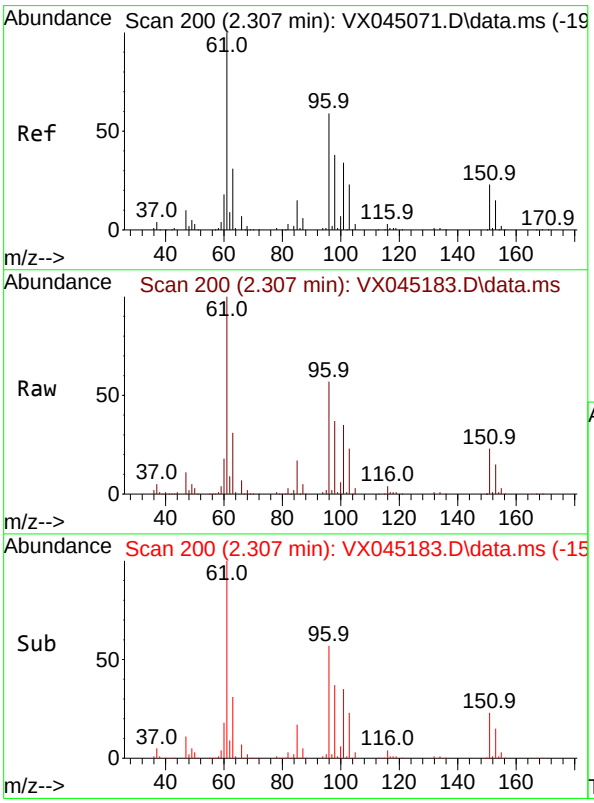
#11
Tert butyl alcohol
Concen: 180.958 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 65463

Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.8	11.8

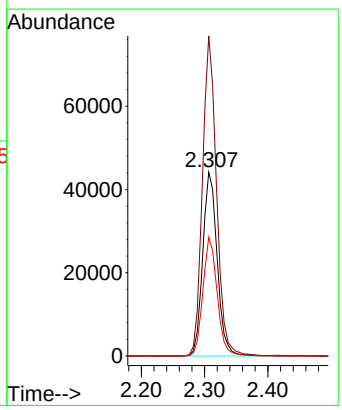


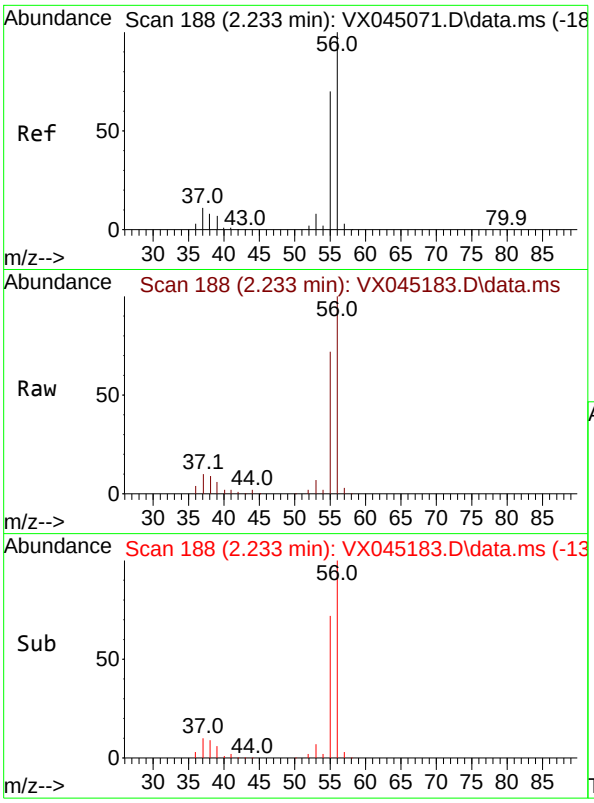


#12
1,1-Dichloroethene
Concen: 47.745 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 96 Resp: 70442

Ion	Ratio	Lower	Upper
96	100		
61	174.0	134.6	202.0
98	64.5	51.0	76.6



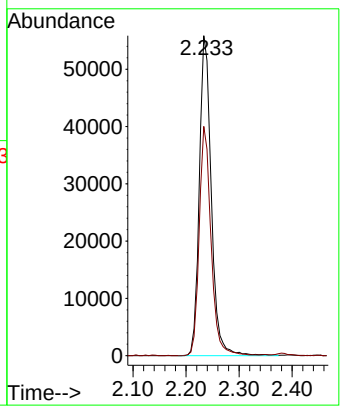


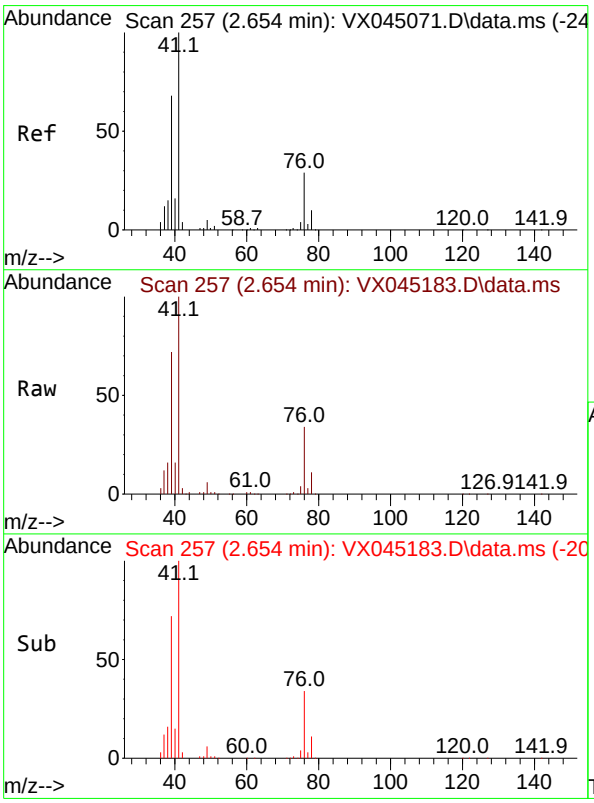
#13
Acrolein
Concen: 209.887 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 87771

Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.2	84.4

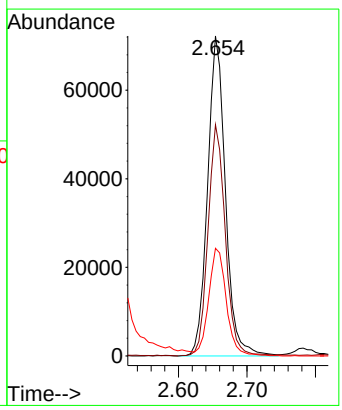


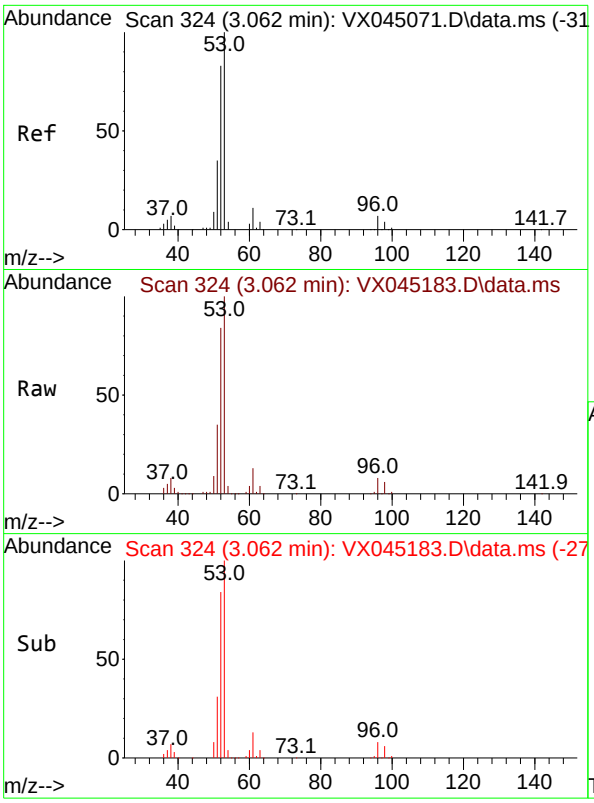


#14
Allyl chloride
Concen: 49.978 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 41 Resp: 131254

Ion	Ratio	Lower	Upper
41	100		
39	69.8	53.8	80.8
76	33.2	25.2	37.8



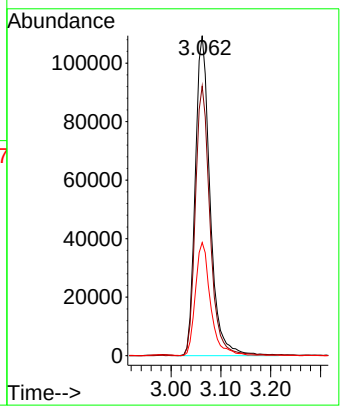


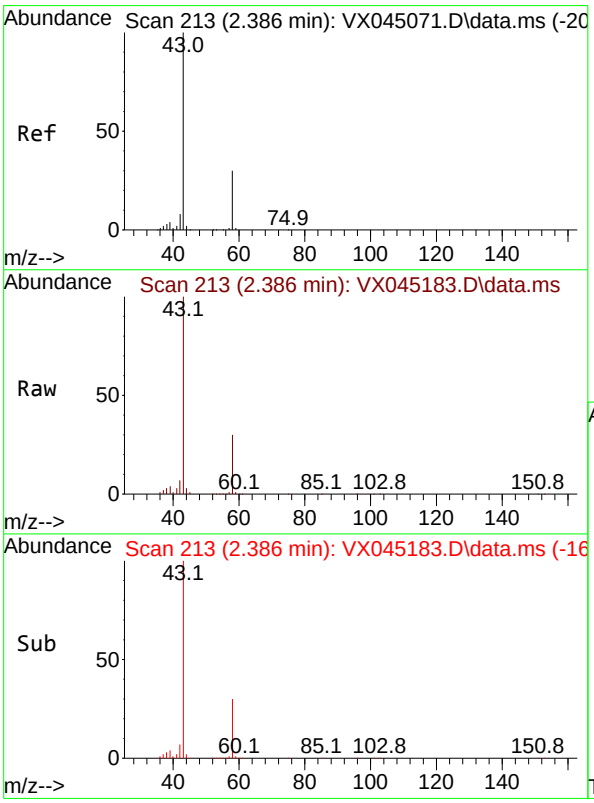
#15
Acrylonitrile
Concen: 233.063 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 225967

Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.2	99.2
51	36.1	29.0	43.4

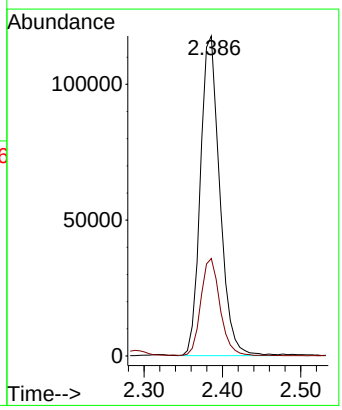


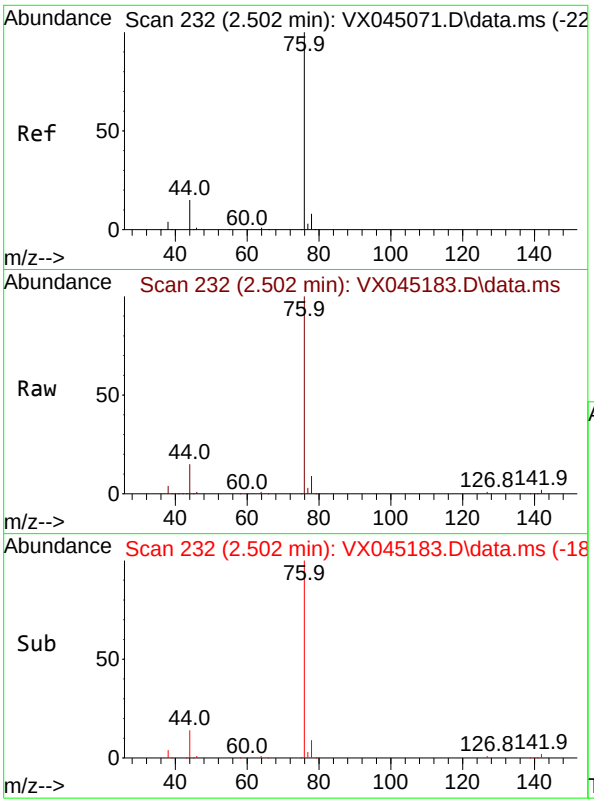


#16
Acetone
Concen: 227.976 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 43 Resp: 202013

Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.2	36.4



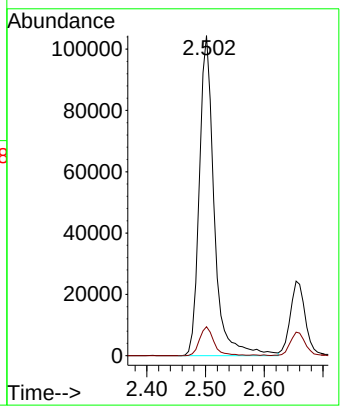


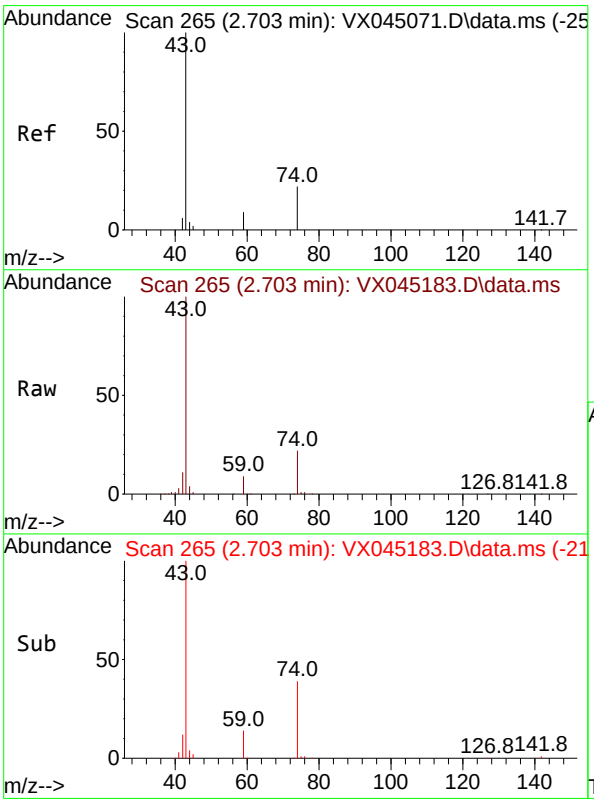
#17
Carbon Disulfide
Concen: 46.890 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 184260

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	9.8

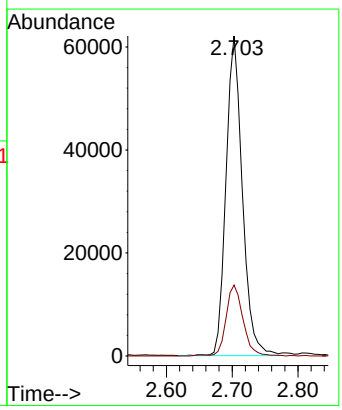


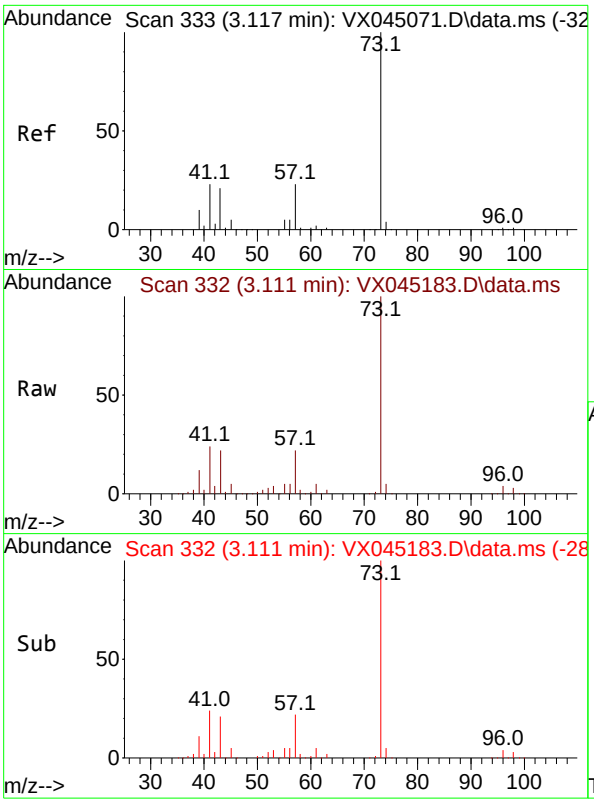


#18
Methyl Acetate
Concen: 50.370 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 43 Resp: 107373

Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.4	26.2



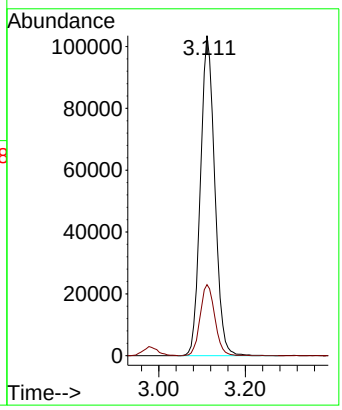


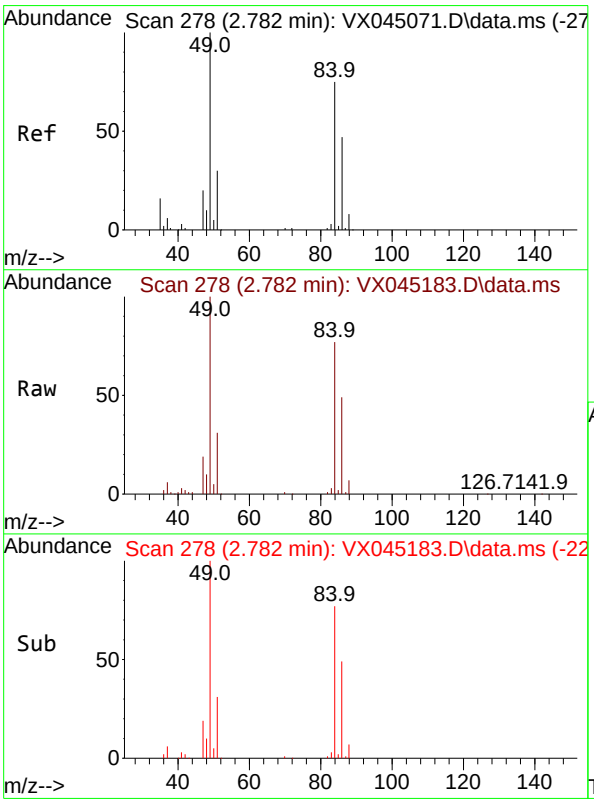
#19
Methyl tert-butyl Ether
Concen: 48.004 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 237614

Ion	Ratio	Lower	Upper
73	100		
57	22.2	18.5	27.7

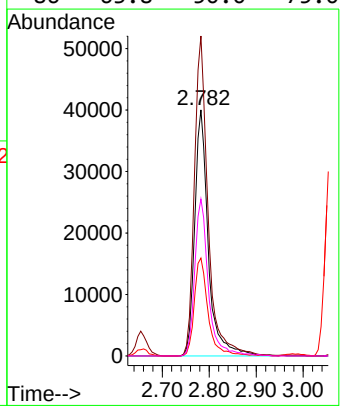


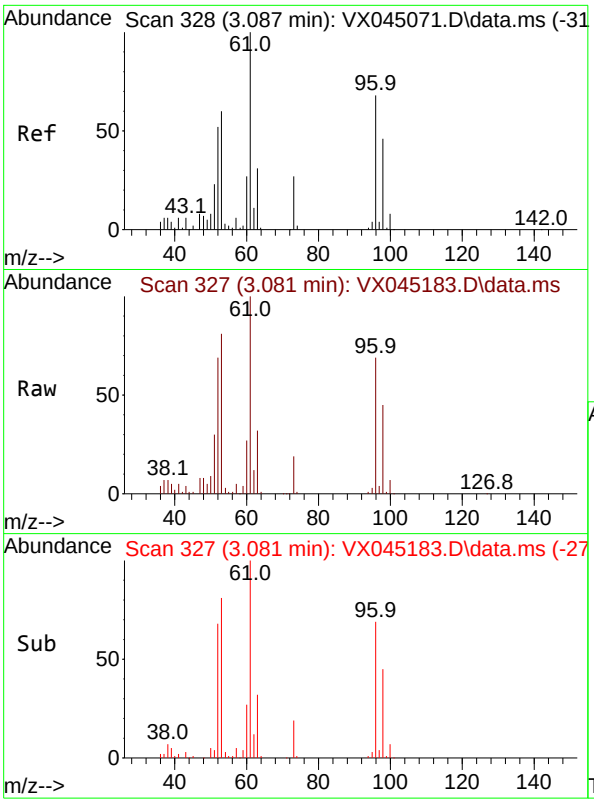


#20
Methylene Chloride
Concen: 46.105 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 84 Resp: 80927

Ion	Ratio	Lower	Upper
84	100		
49	130.0	106.5	159.7
51	39.8	32.1	48.1
86	63.8	50.0	75.0



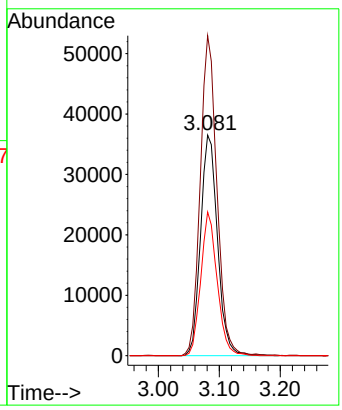


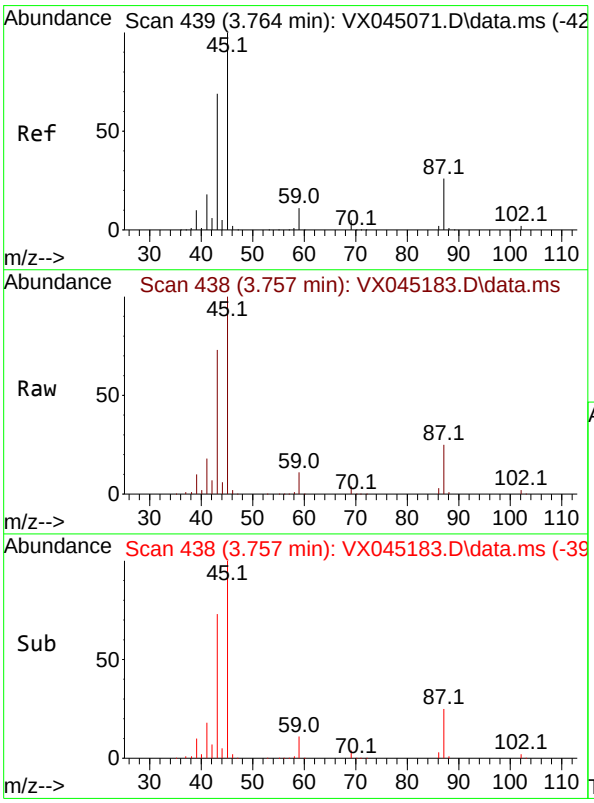
#21
trans-1,2-Dichloroethene
Concen: 48.421 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 70577

Ion	Ratio	Lower	Upper
96	100		
61	145.0	117.0	175.4
98	65.1	53.4	80.2

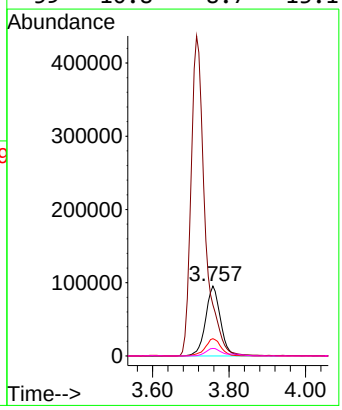


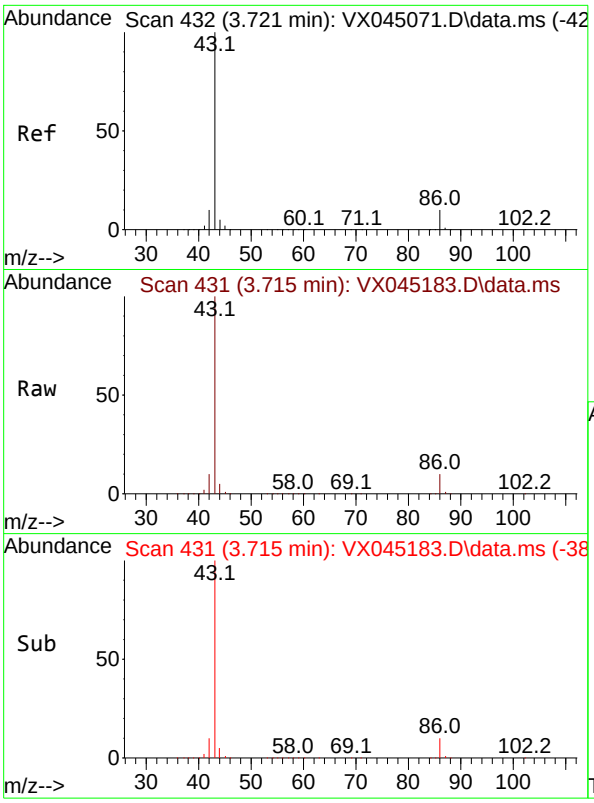


#22
Diisopropyl ether
Concen: 48.472 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 45 Resp: 258893

Ion	Ratio	Lower	Upper
45	100		
43	72.8	54.9	82.3
87	24.7	21.0	31.4
59	10.8	8.7	13.1



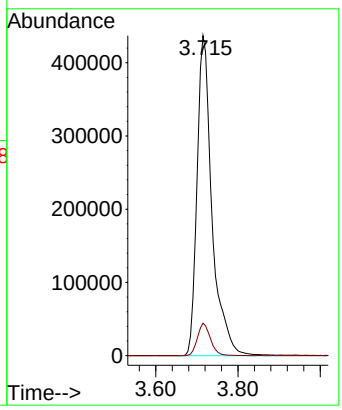


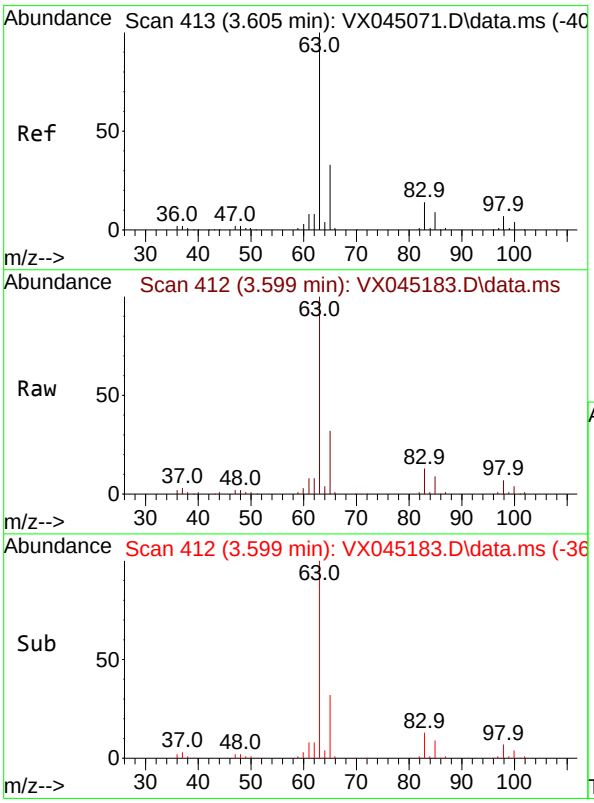
#23
Vinyl Acetate
Concen: 248.018 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1105475

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.1	12.1

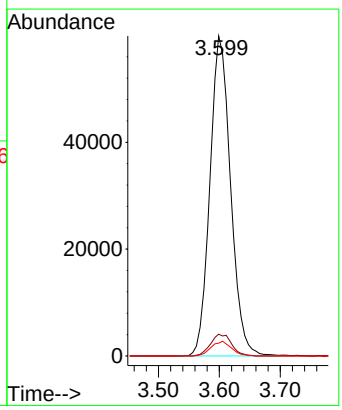


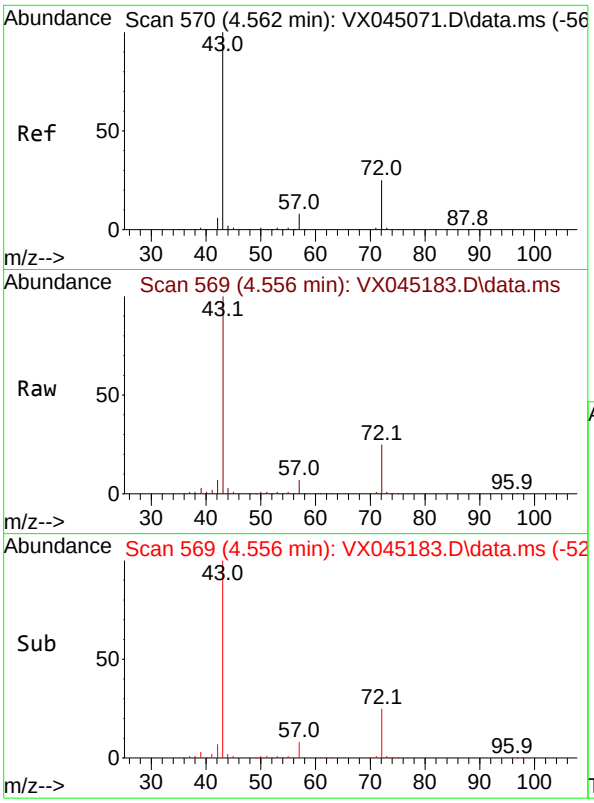


#24
1,1-Dichloroethane
Concen: 47.153 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 63 Resp: 141147

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.0	2.1	6.5



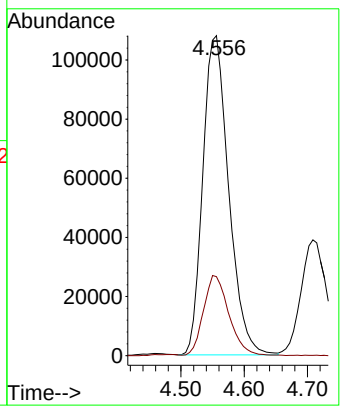


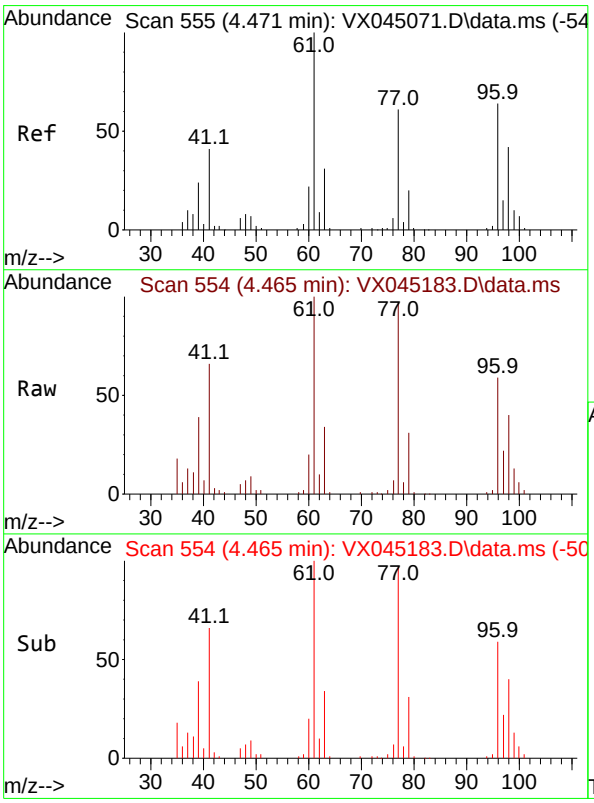
#25
2-Butanone
Concen: 230.475 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 307413

Ion	Ratio	Lower	Upper
43	100		
72	24.5	20.0	30.0

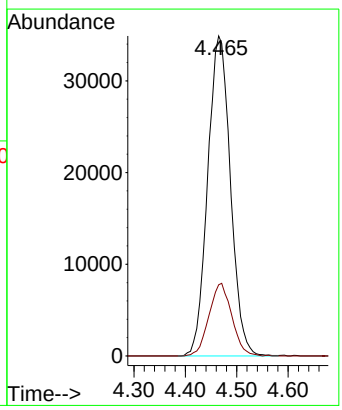


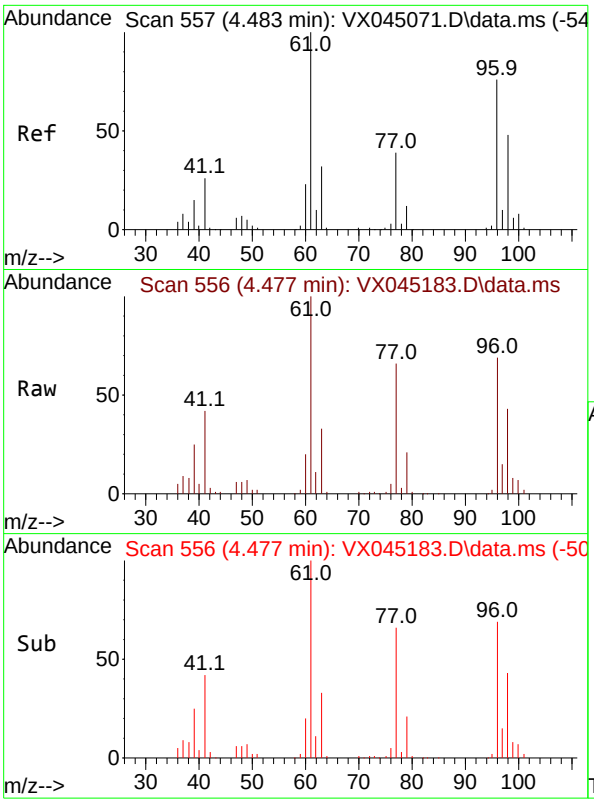


#26
2,2-Dichloropropane
Concen: 76.455 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 77 Resp: 107346

Ion	Ratio	Lower	Upper
77	100		
97	22.7	12.4	37.0



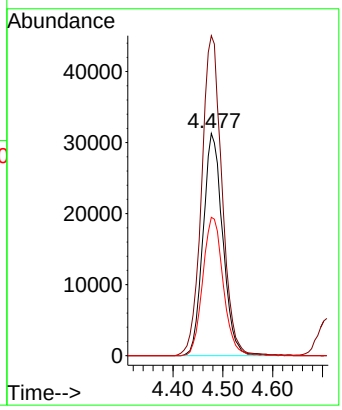


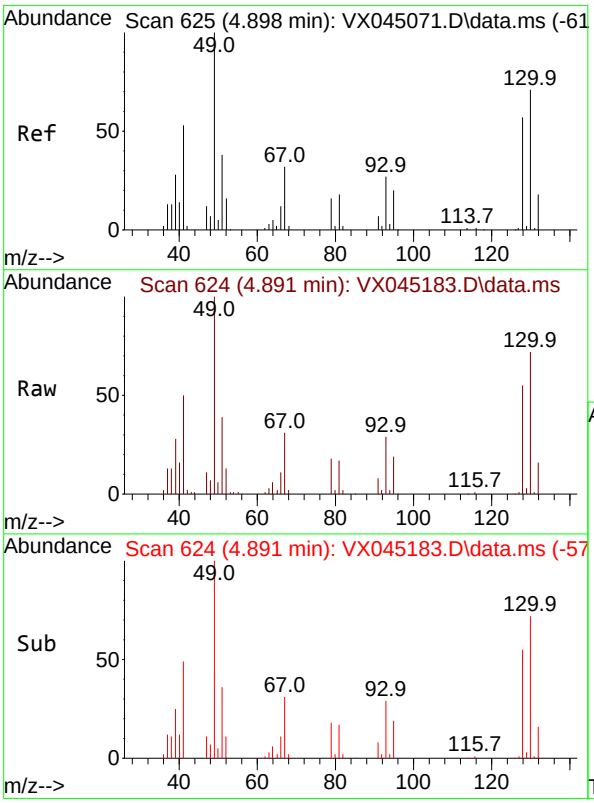
#27
cis-1,2-Dichloroethene
Concen: 47.570 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 85594

Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	283.2
98	64.8	0.0	128.0

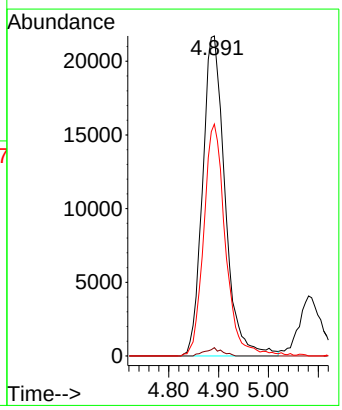


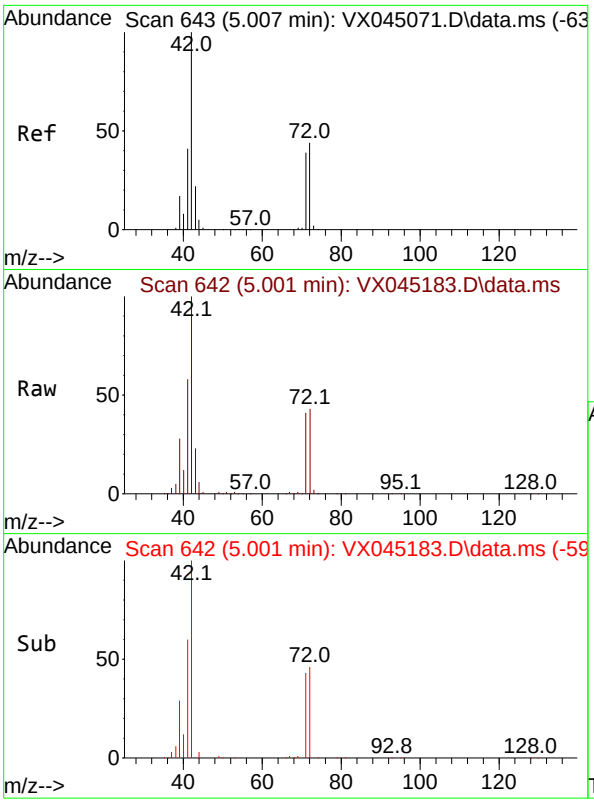


#28
Bromochloromethane
Concen: 47.656 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 49 Resp: 67994

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	70.2	56.1	84.1



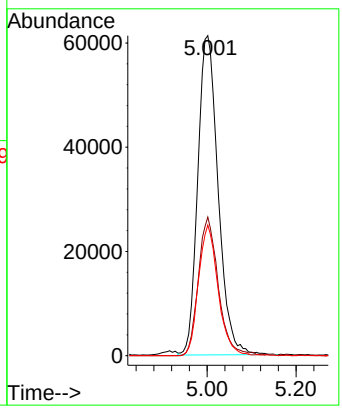


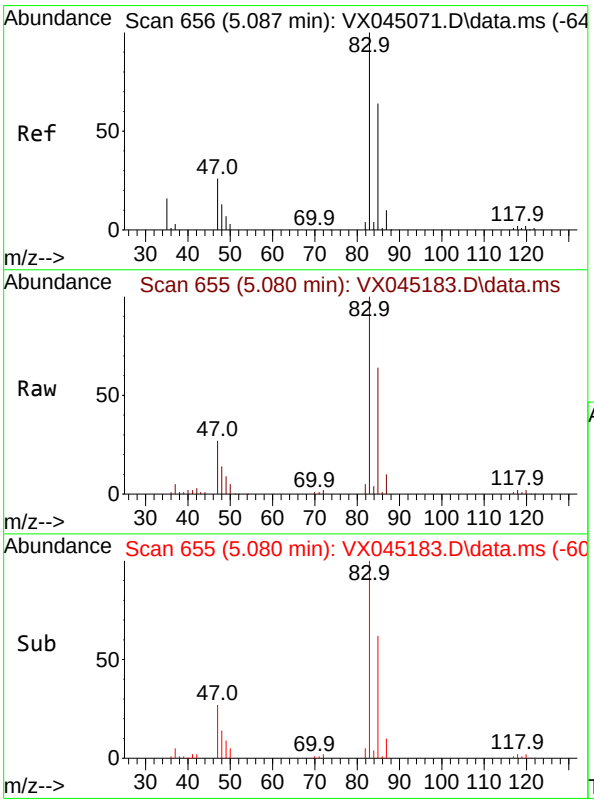
#29
Tetrahydrofuran
Concen: 218.029 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 195295

Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.1	51.1
71	39.4	31.4	47.0

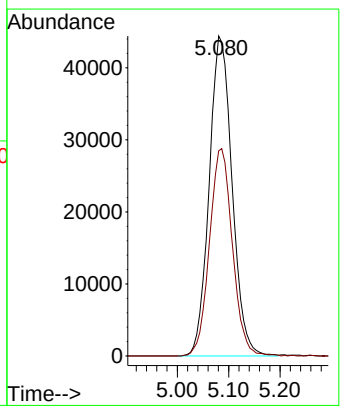


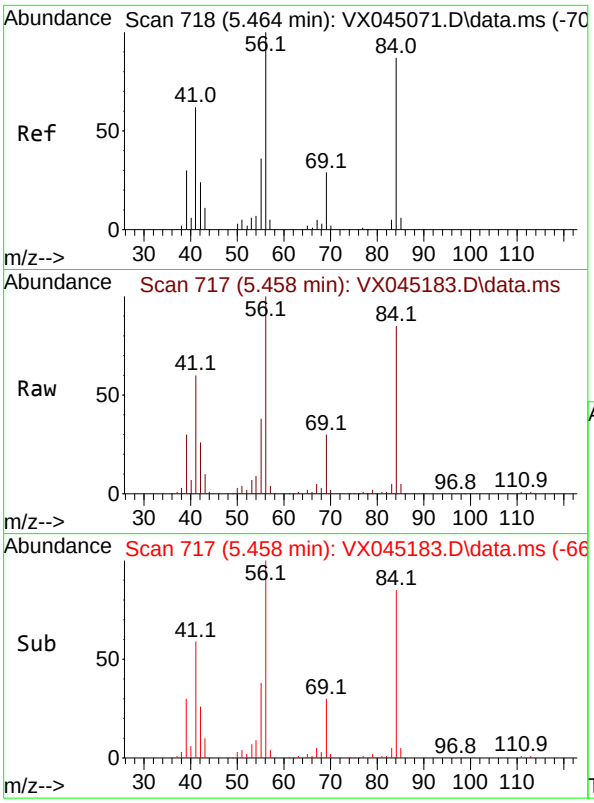


#30
Chloroform
Concen: 46.287 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 83 Resp: 137670

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.2



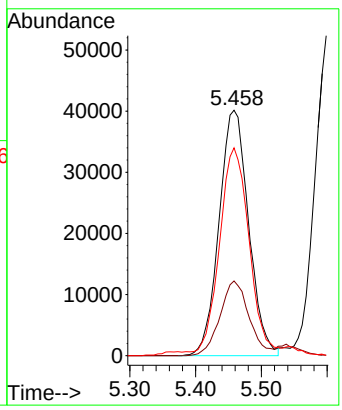


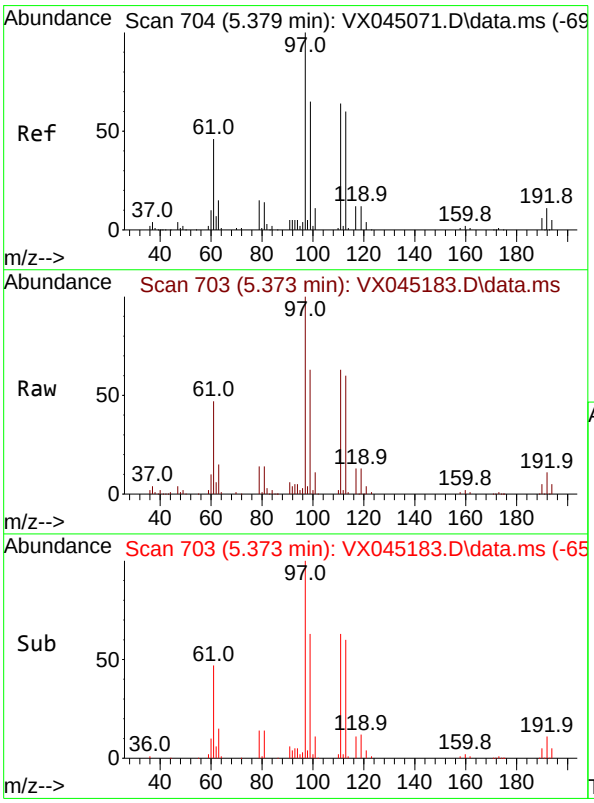
#31
Cyclohexane
Concen: 48.363 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 125667

Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.4	35.2
84	83.0	69.4	104.2

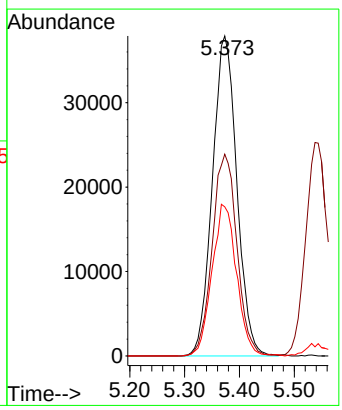


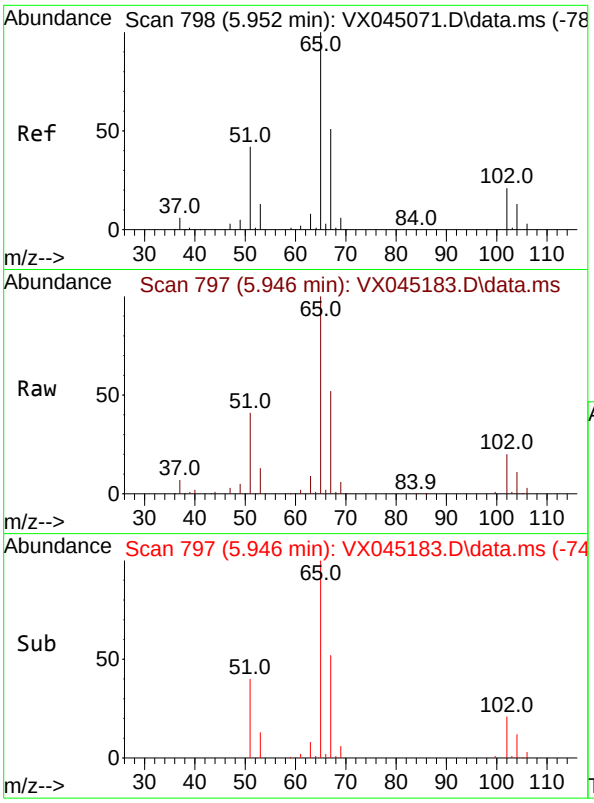


#32
1,1,1-Trichloroethane
Concen: 48.857 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 97 Resp: 117363

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	47.8	38.4	57.6



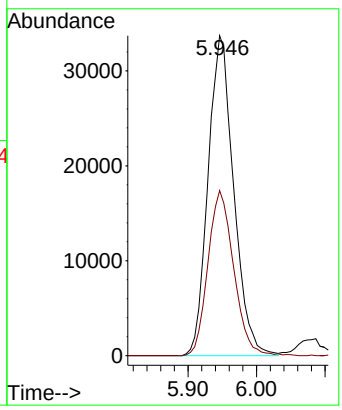


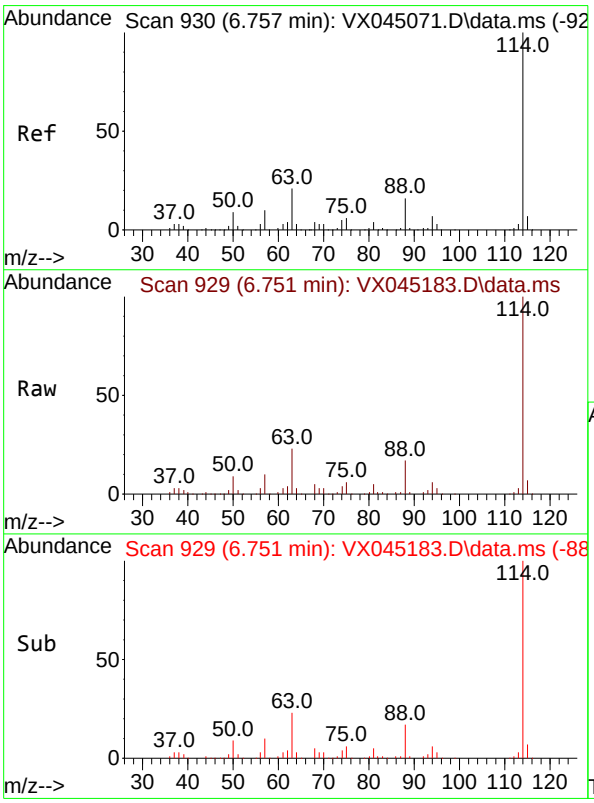
#33
1,2-Dichloroethane-d4
Concen: 45.875 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 87615

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	106.2

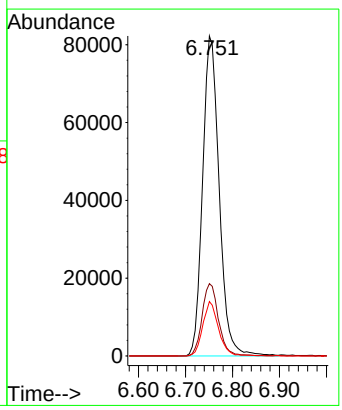


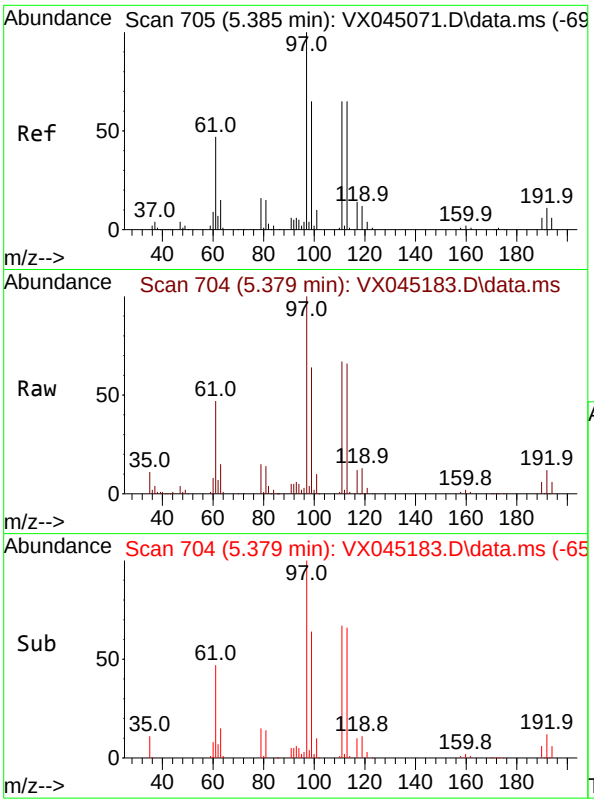


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:114 Resp: 201201

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	41.8
88	17.0	0.0	32.8



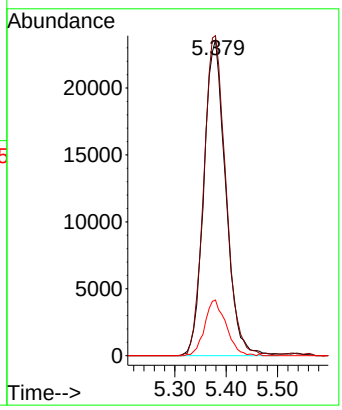


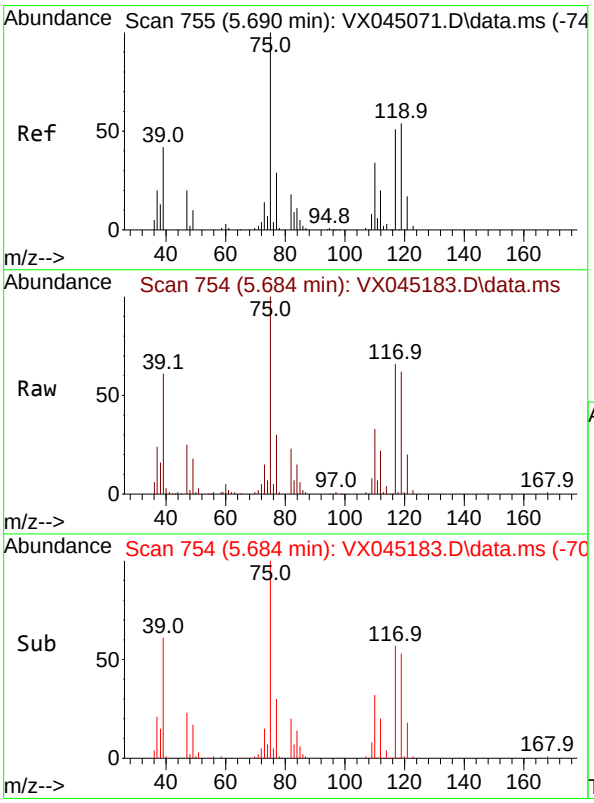
#35
Dibromofluoromethane
Concen: 51.577 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 69391

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.8	122.6
192	17.3	14.3	21.5

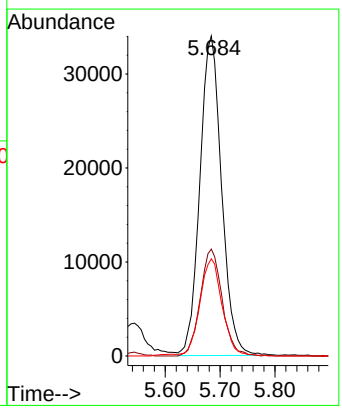


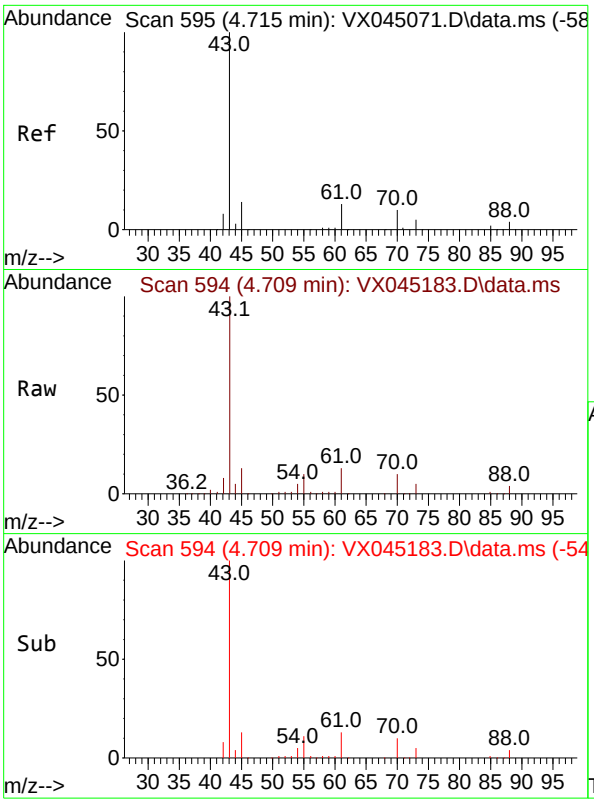


#36
1,1-Dichloropropene
Concen: 50.714 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 75 Resp: 93569

Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.9	50.6
77	31.5	24.5	36.7



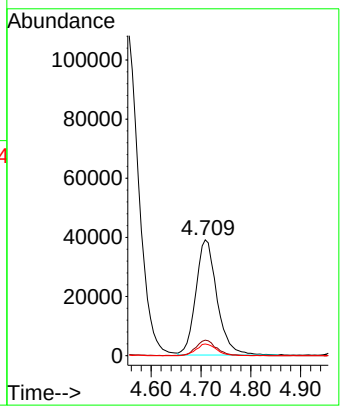


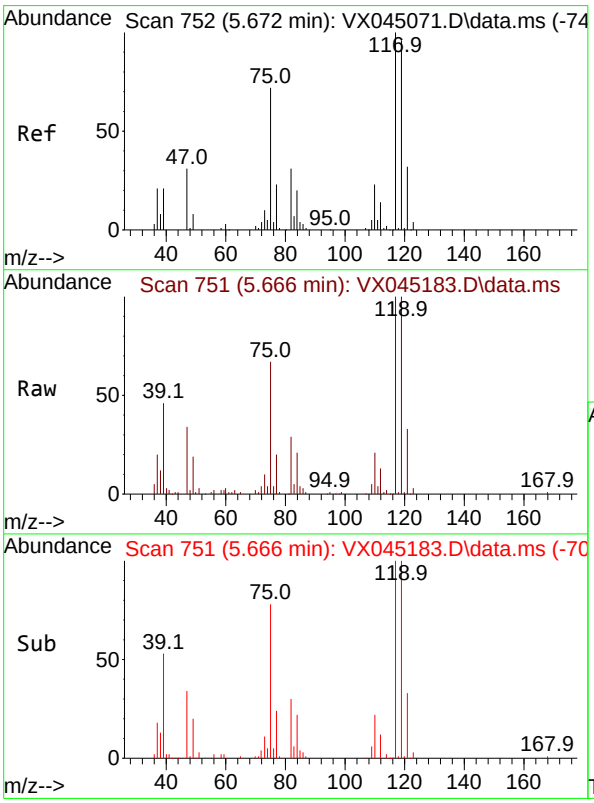
#37
Ethyl Acetate
Concen: 48.532 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 115384

Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	9.8	7.7	11.5

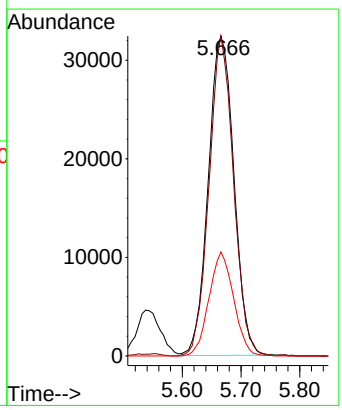


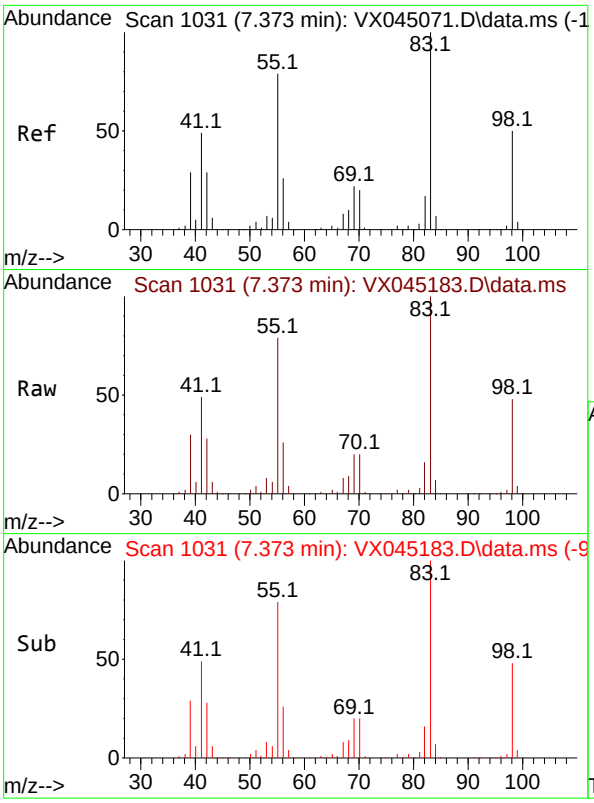


#38
Carbon Tetrachloride
Concen: 52.483 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:117 Resp: 98310

Ion	Ratio	Lower	Upper
117	100		
119	100.4	76.7	115.1
121	32.6	25.5	38.3



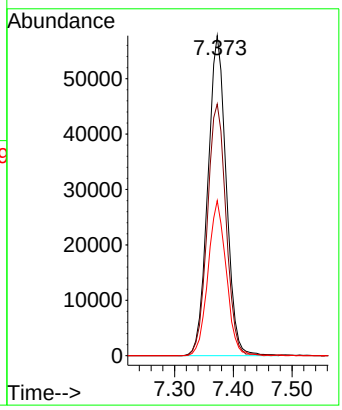


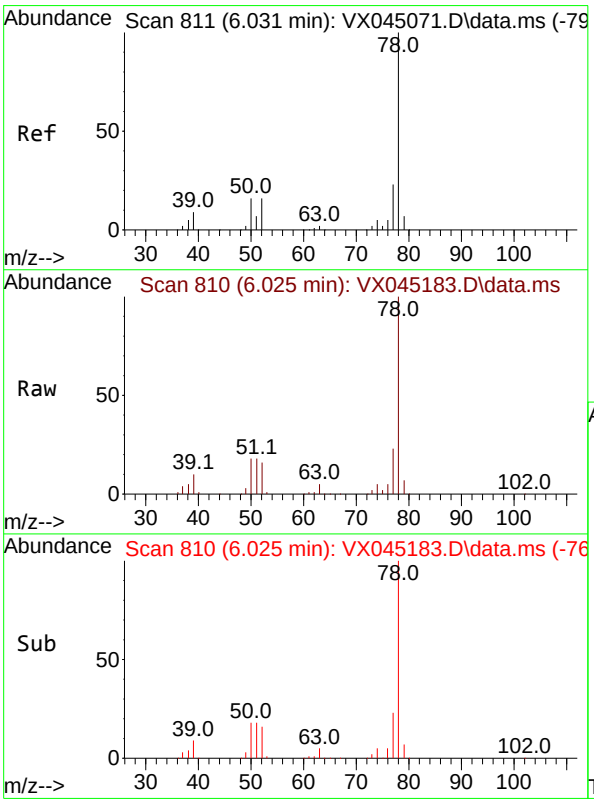
#39
Methylcyclohexane
Concen: 56.716 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 125387

Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.0	94.4
98	48.5	39.7	59.5

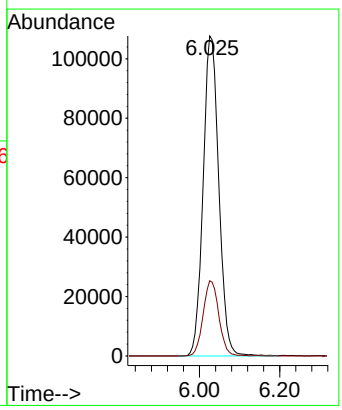


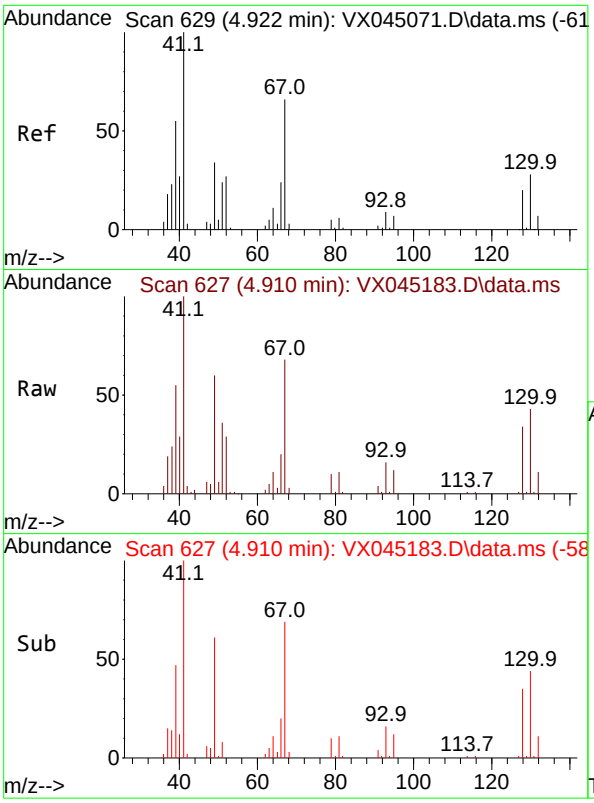


#40
Benzene
Concen: 50.155 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 78 Resp: 292214

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



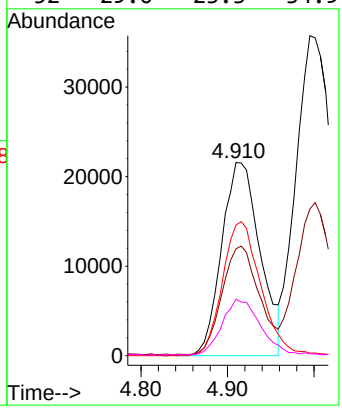


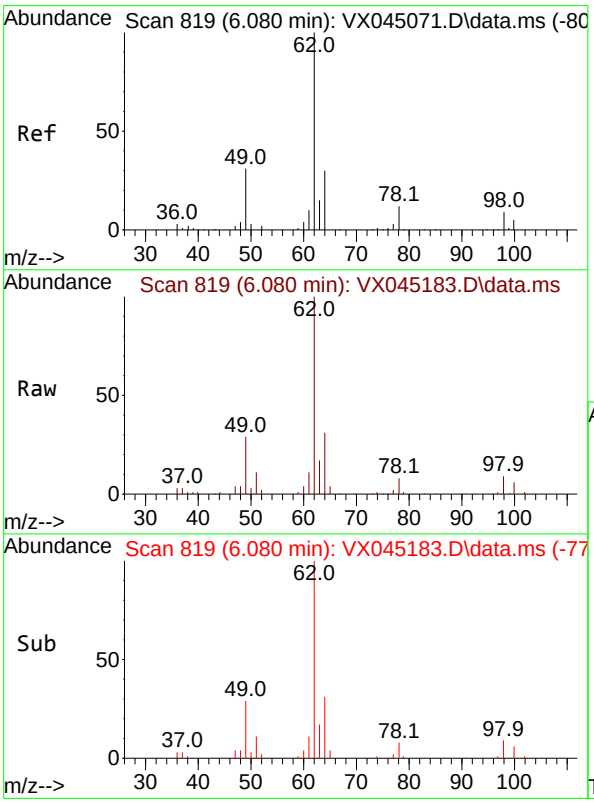
#41
Methacrylonitrile
Concen: 51.791 ug/l
RT: 4.910 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 66579

Ion	Ratio	Lower	Upper
41	100		
39	55.1	44.6	67.0
67	69.3	53.9	80.9
52	29.0	23.3	34.9

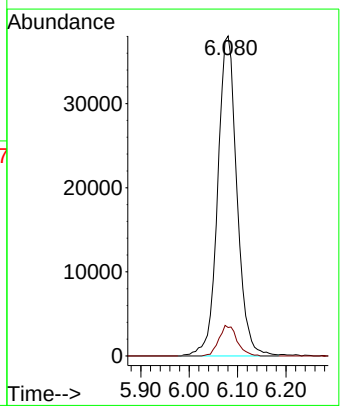


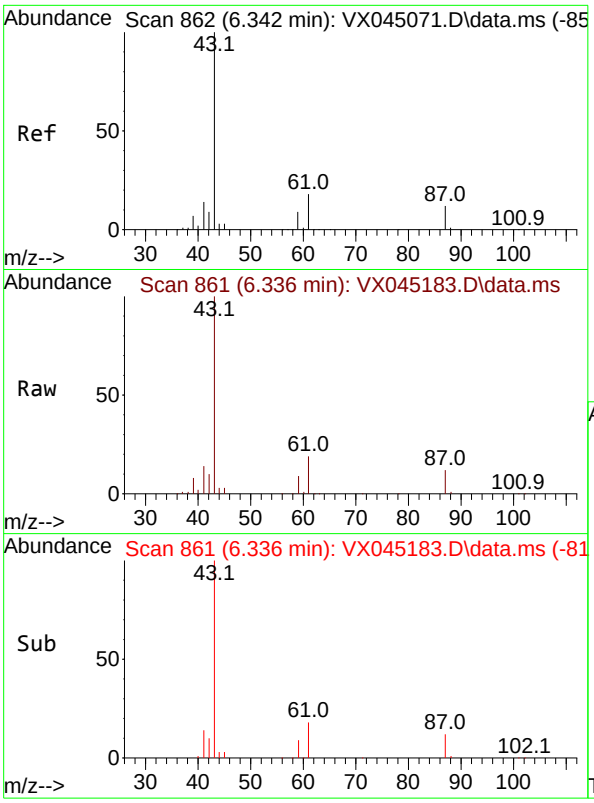


#42
1,2-Dichloroethane
Concen: 50.066 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 62 Resp: 105041

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



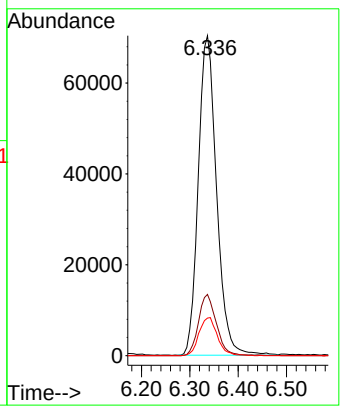


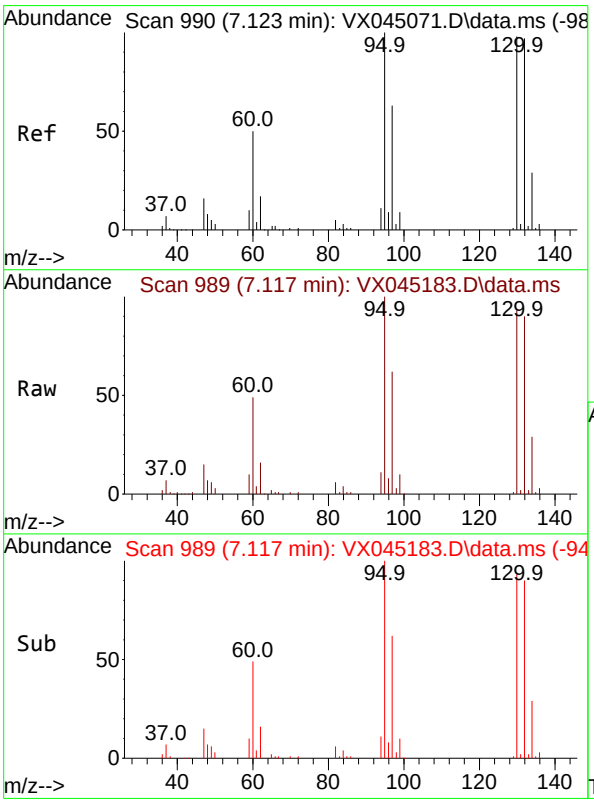
#43
Isopropyl Acetate
Concen: 52.608 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 184950

Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.9	22.3
87	12.0	9.4	14.2

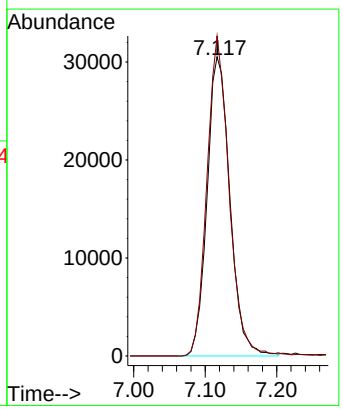


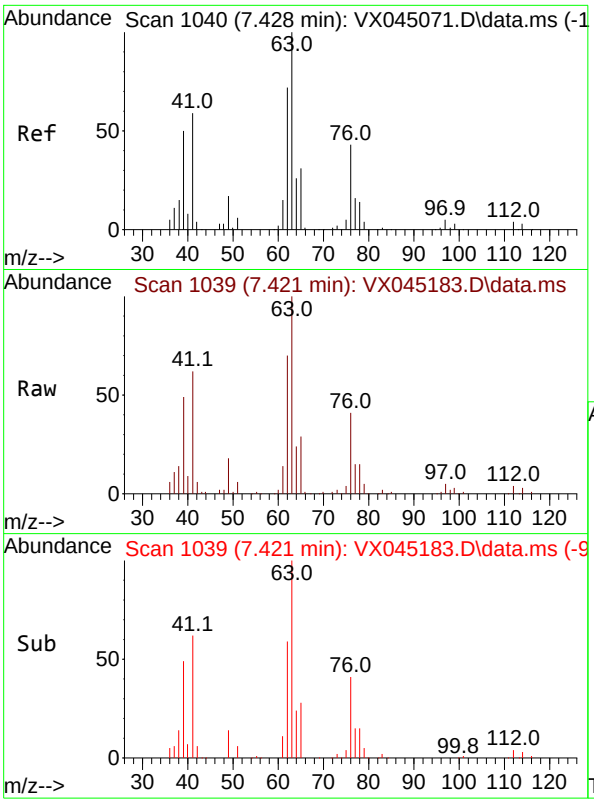


#44
Trichloroethene
Concen: 49.573 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:130 Resp: 67819

Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	205.0



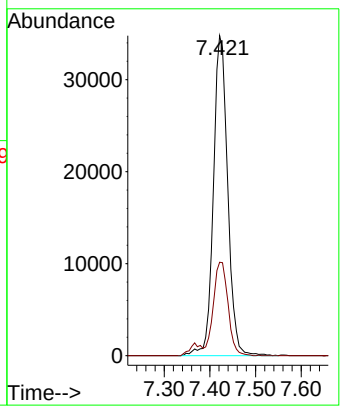


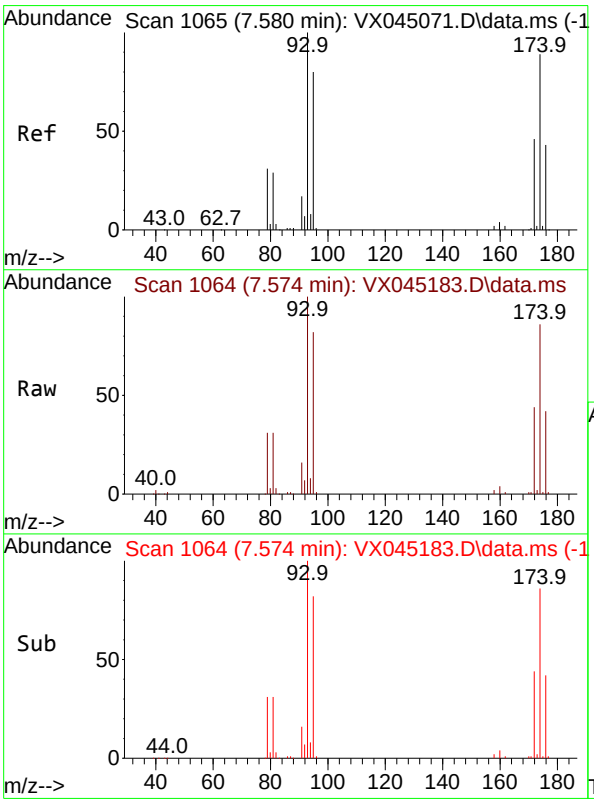
#45
1,2-Dichloropropane
Concen: 50.538 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 75705

Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.7	37.1

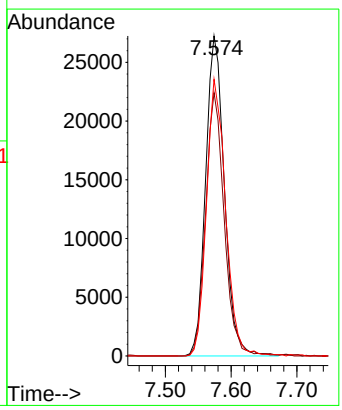


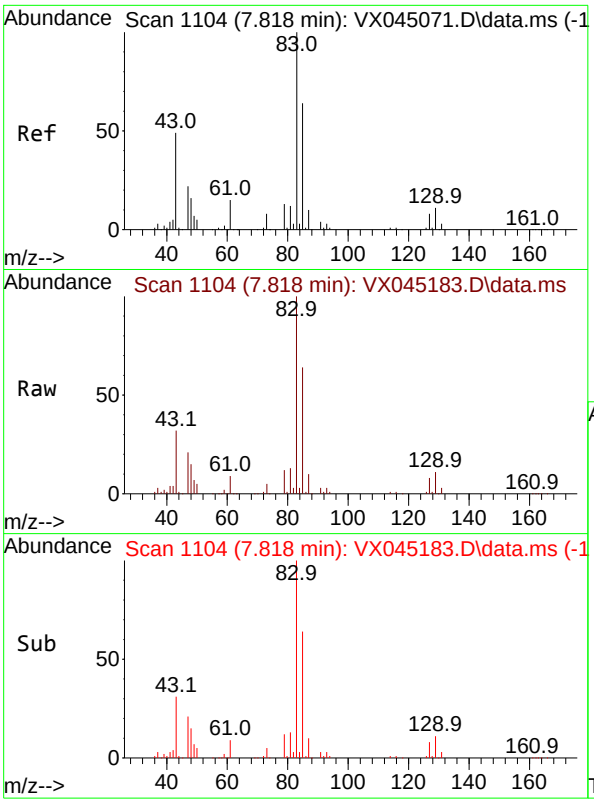


#46
Dibromomethane
Concen: 51.179 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 93 Resp: 54188

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.8	98.8
174	88.1	72.2	108.2



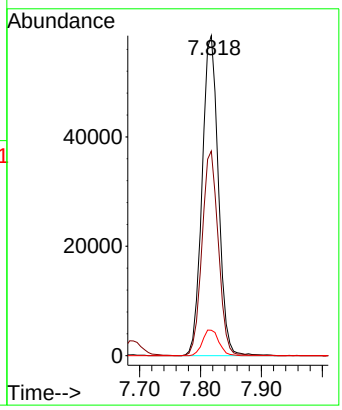


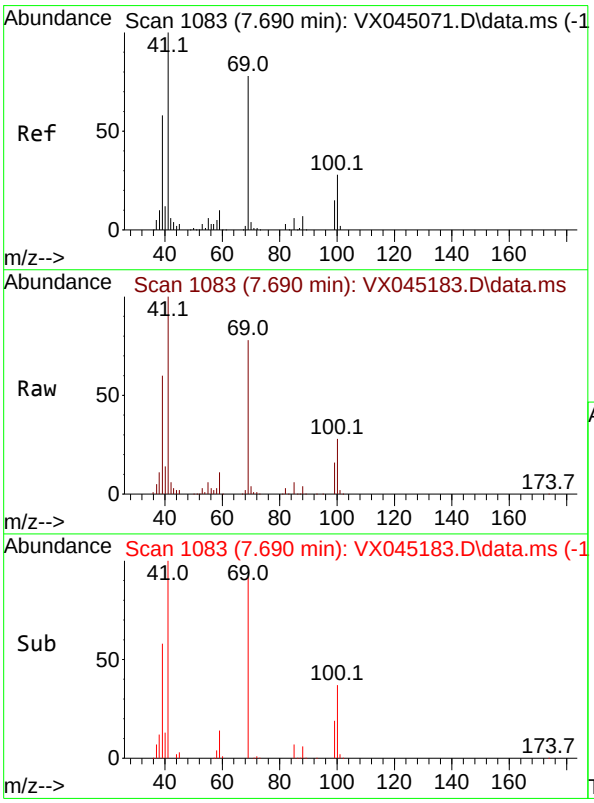
#47
Bromodichloromethane
Concen: 52.199 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 108406

Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	7.9	6.4	9.6

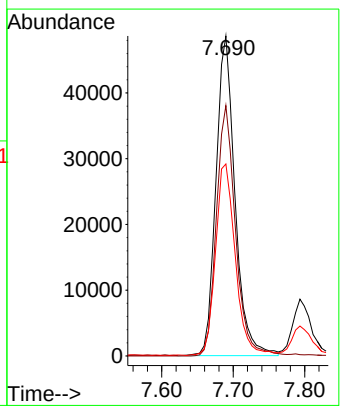


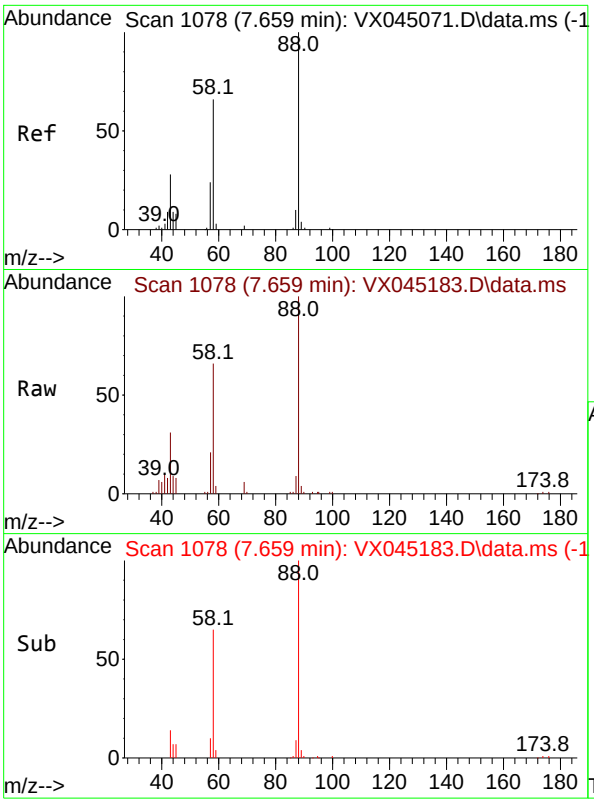


#48
Methyl methacrylate
Concen: 50.975 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 41 Resp: 89906

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	62.5	47.5	71.3



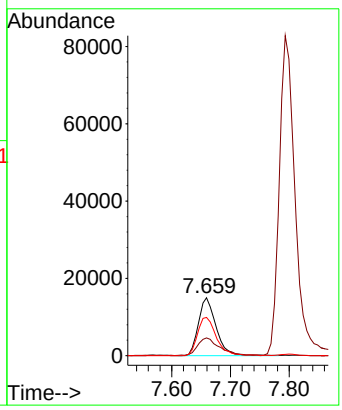


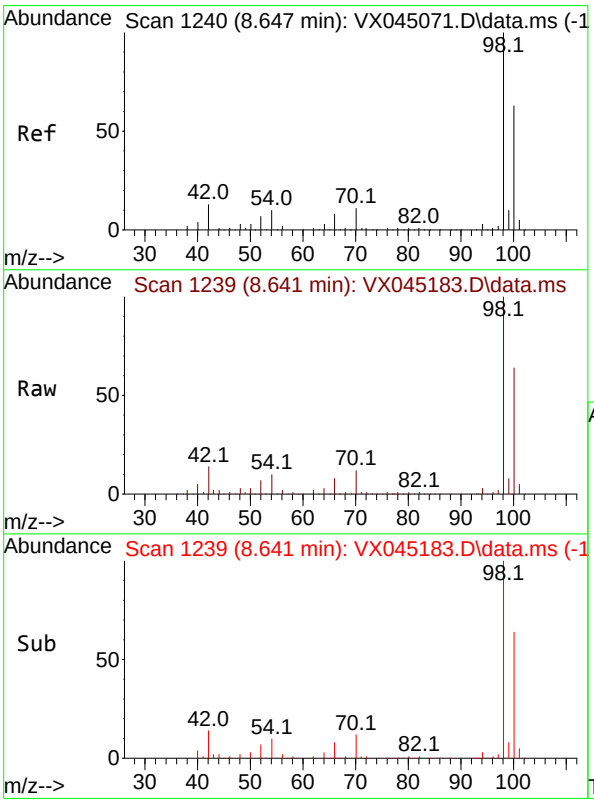
#49
1,4-Dioxane
Concen: 836.168 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 31109

Ion	Ratio	Lower	Upper
88	100		
43	37.1	28.7	43.1
58	70.8	55.8	83.8

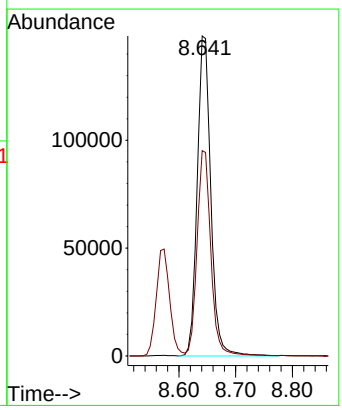


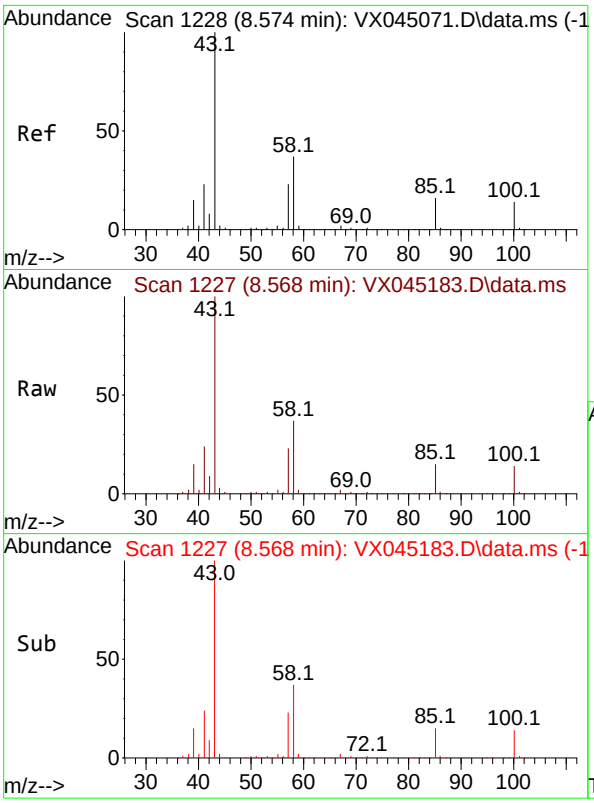


#50
Toluene-d8
Concen: 50.697 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 98 Resp: 247275

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0



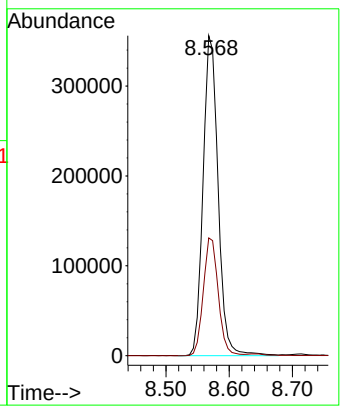


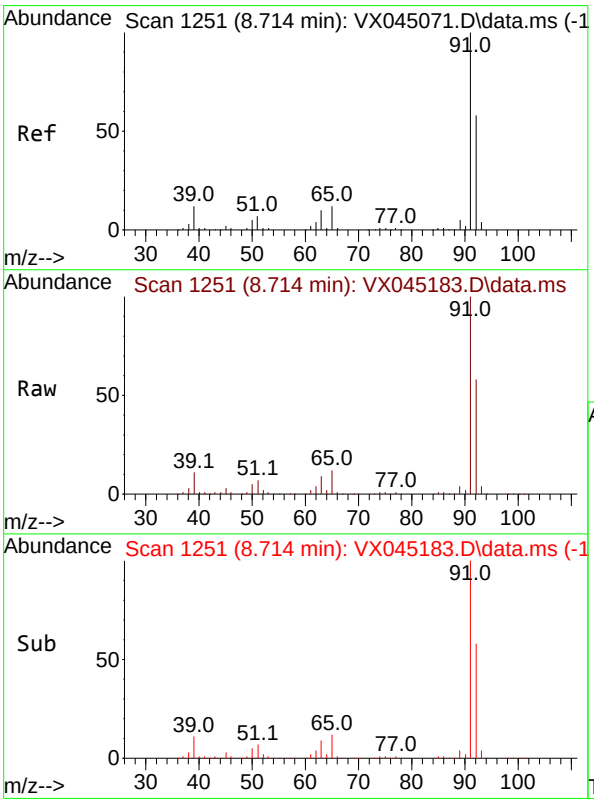
#51
4-Methyl-2-Pentanone
Concen: 249.597 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 589180

Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.2	43.8

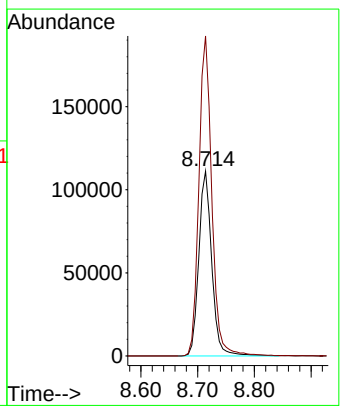


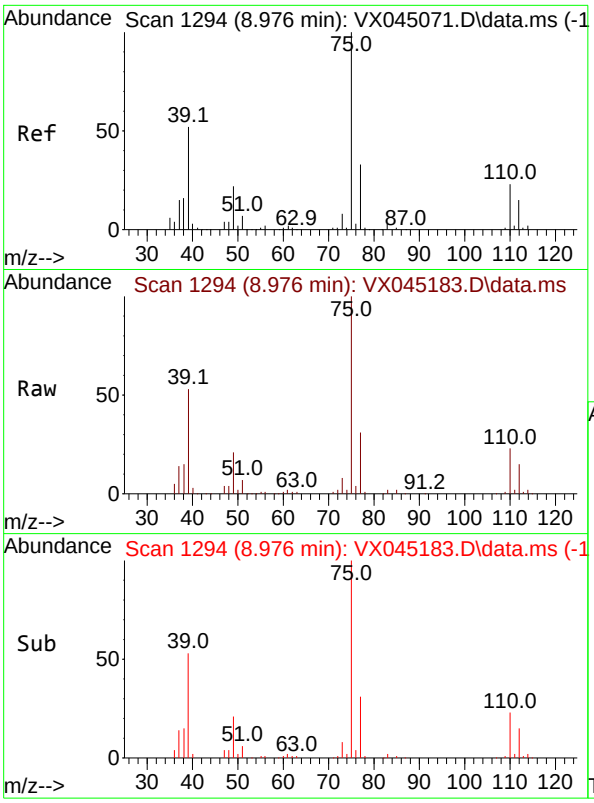


#52
Toluene
Concen: 51.516 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 92 Resp: 176101

Ion	Ratio	Lower	Upper
92	100		
91	172.9	138.9	208.3



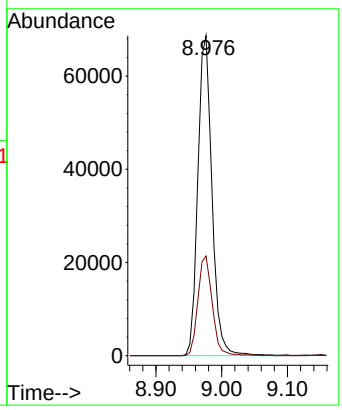


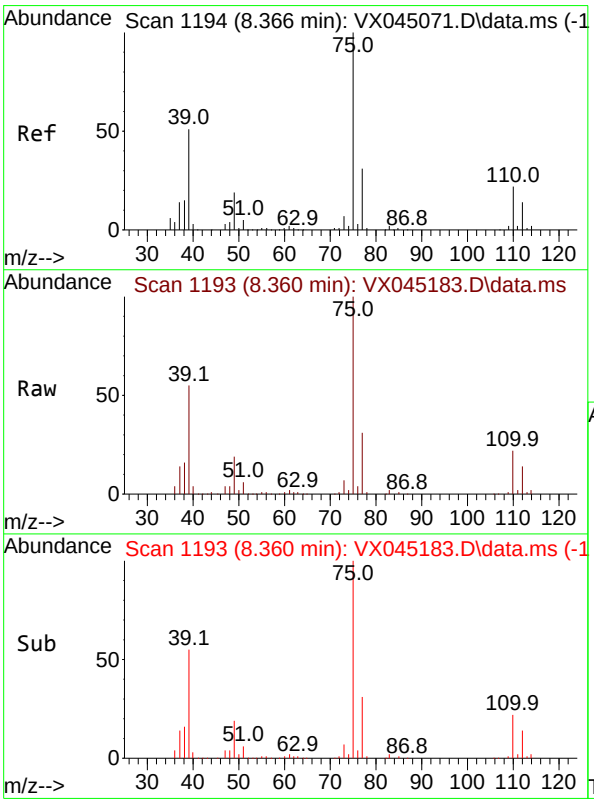
#53
t-1,3-Dichloropropene
Concen: 59.017 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 102467

Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.5	39.7

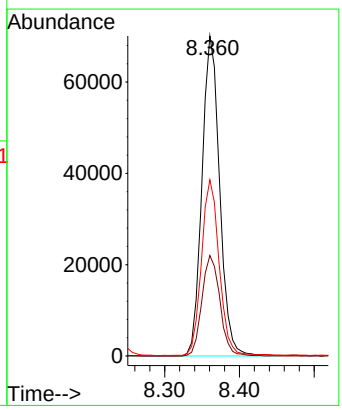


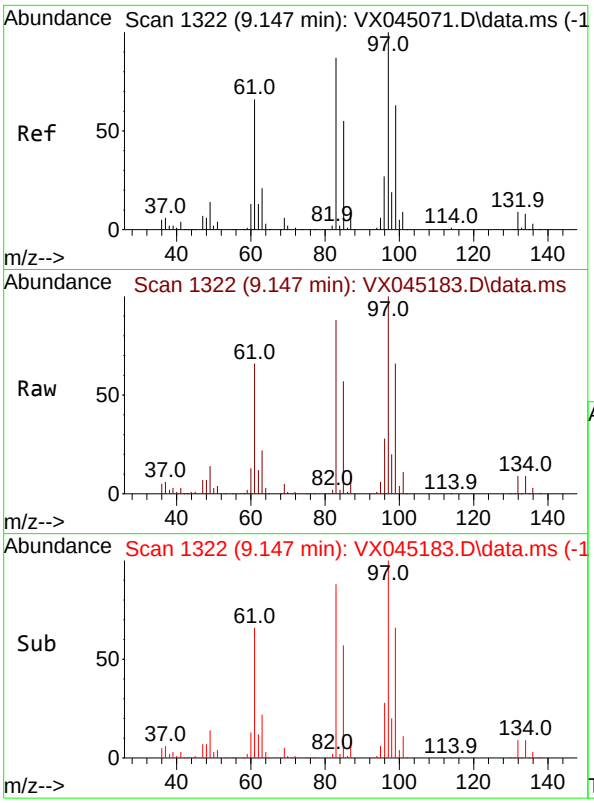


#54
cis-1,3-Dichloropropene
Concen: 56.928 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 75 Resp: 115256

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.7	37.1
39	54.8	40.7	61.1



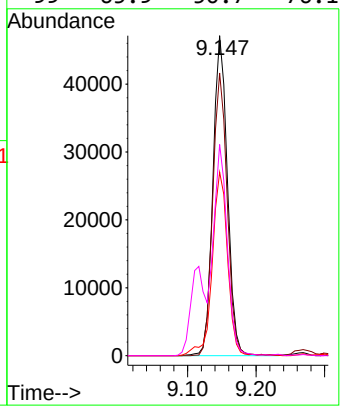


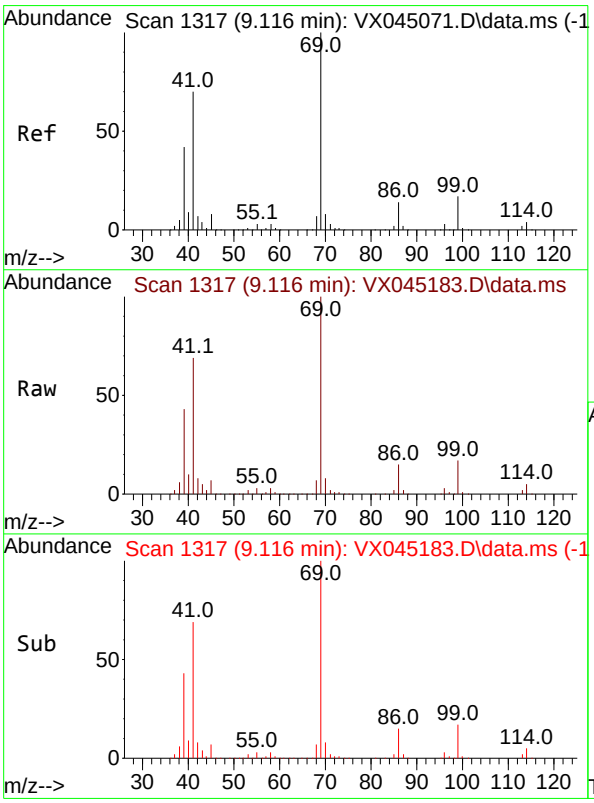
#55
1,1,2-Trichloroethane
Concen: 49.085 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 69076

Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.4	104.2
85	57.3	44.1	66.1
99	65.9	50.7	76.1

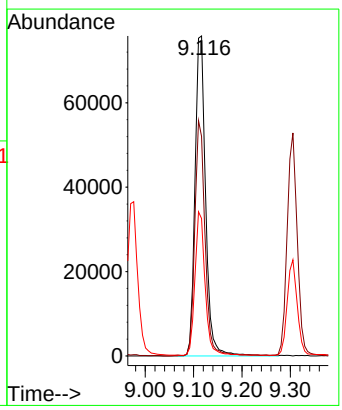


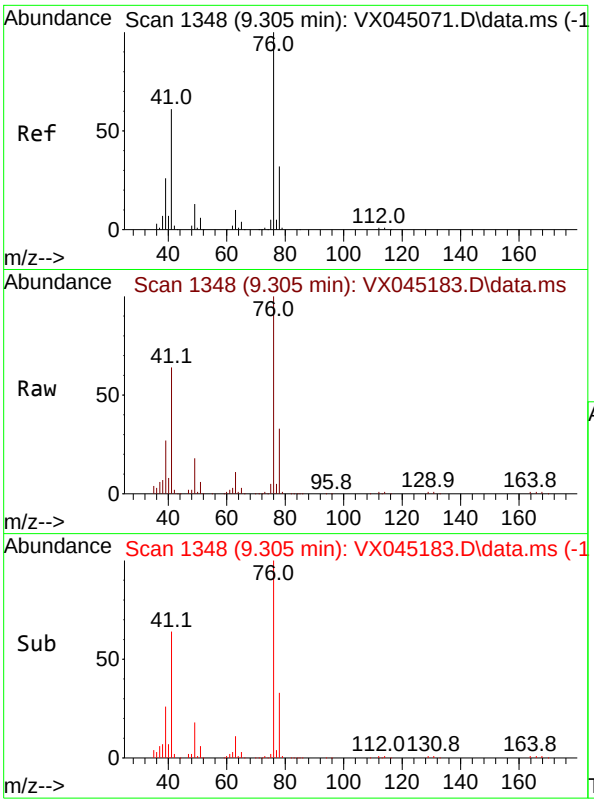


#56
Ethyl methacrylate
Concen: 53.926 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 69 Resp: 115354

Ion	Ratio	Lower	Upper
69	100		
41	71.4	57.0	85.4
39	43.0	34.2	51.4



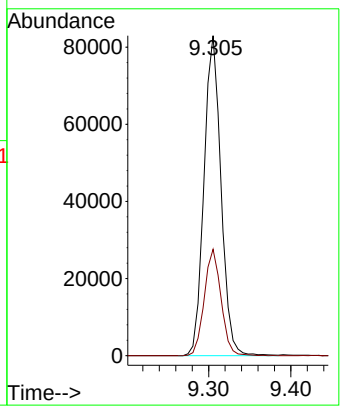


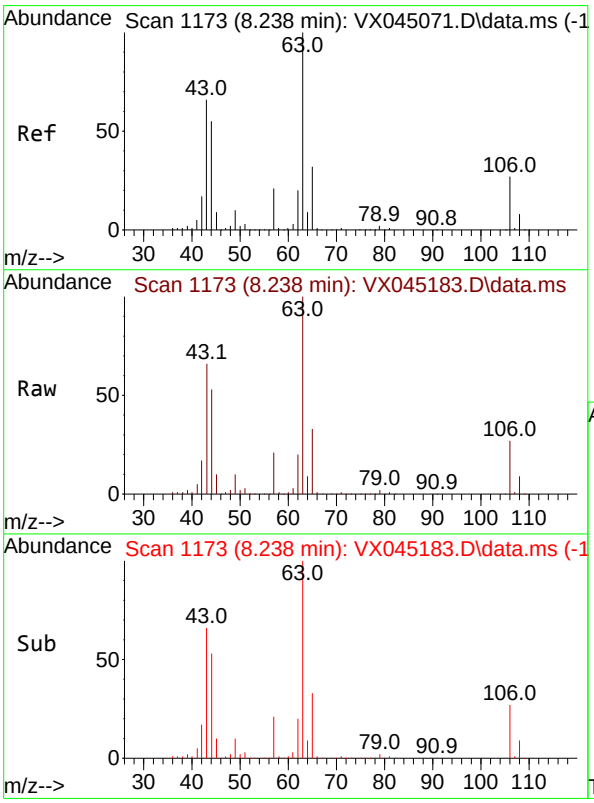
#57
1,3-Dichloropropane
Concen: 48.945 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 119199

Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.5	38.3

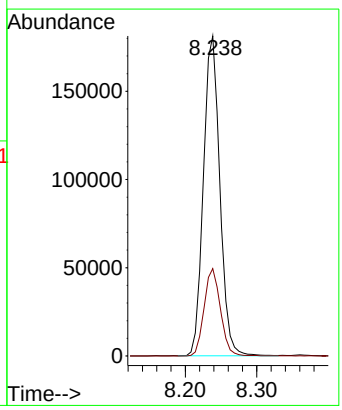


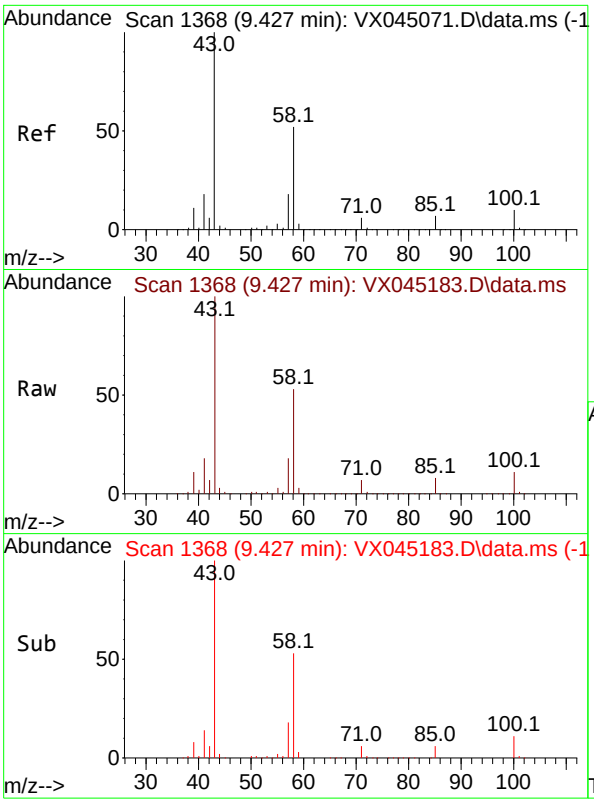


#58
2-Chloroethyl Vinyl ether
Concen: 277.227 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 63 Resp: 289282

Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.5	32.3



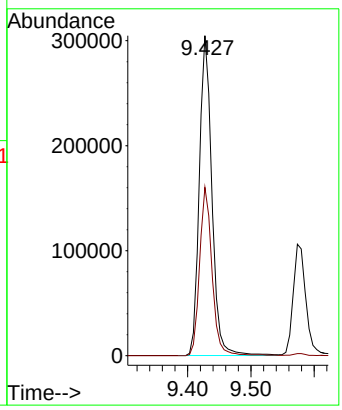


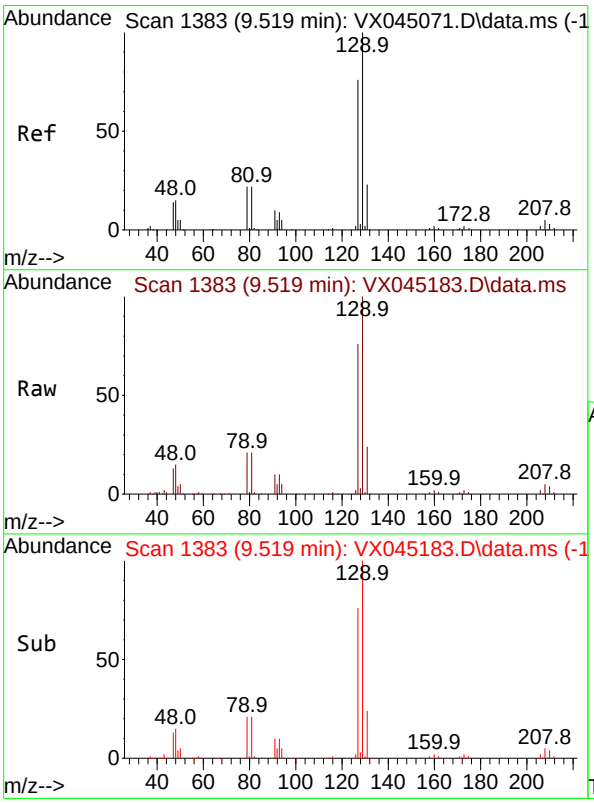
#59
2-Hexanone
Concen: 247.351 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 423044

Ion	Ratio	Lower	Upper
43	100		
58	52.0	25.9	77.6

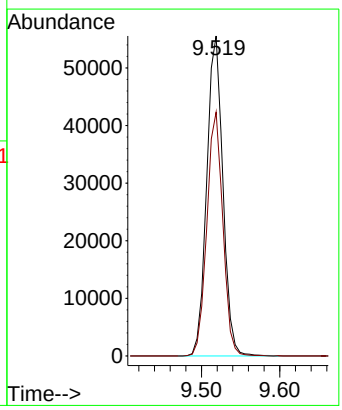


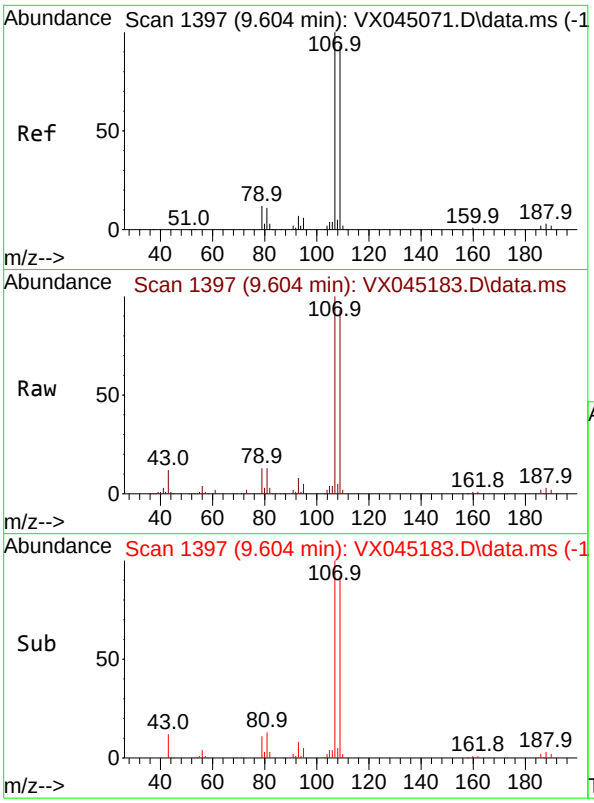


#60
Dibromochloromethane
Concen: 53.957 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:129 Resp: 79393

Ion	Ratio	Lower	Upper
129	100		
127	75.3	38.5	115.5



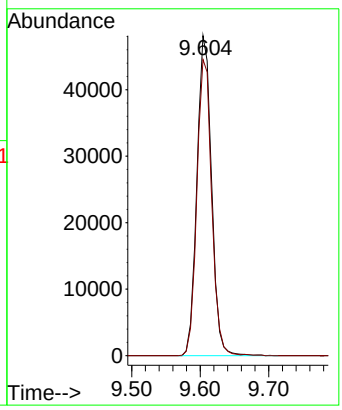


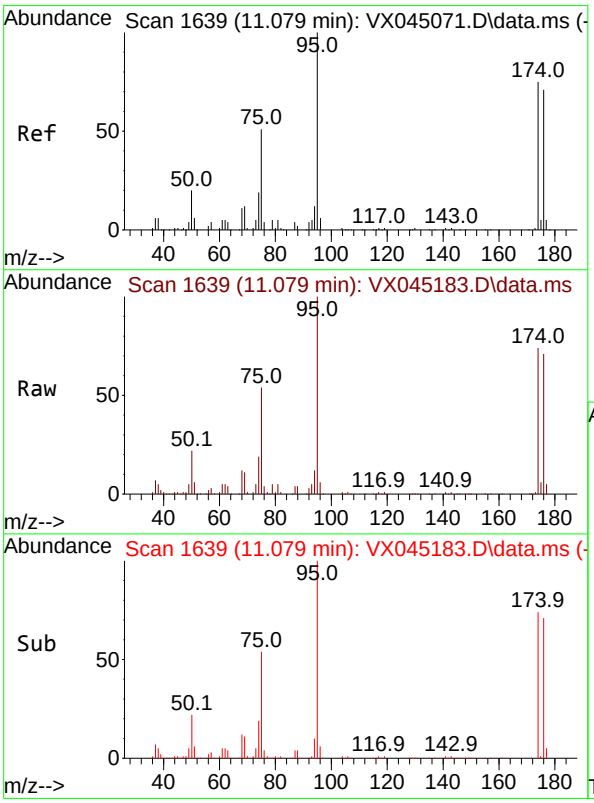
#61
1,2-Dibromoethane
Concen: 50.868 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 71462

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1

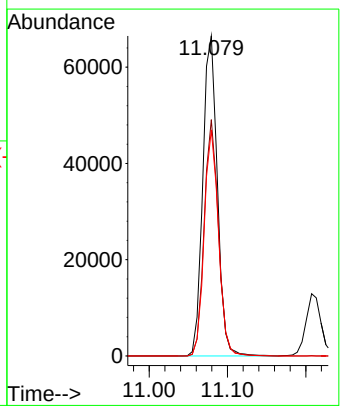


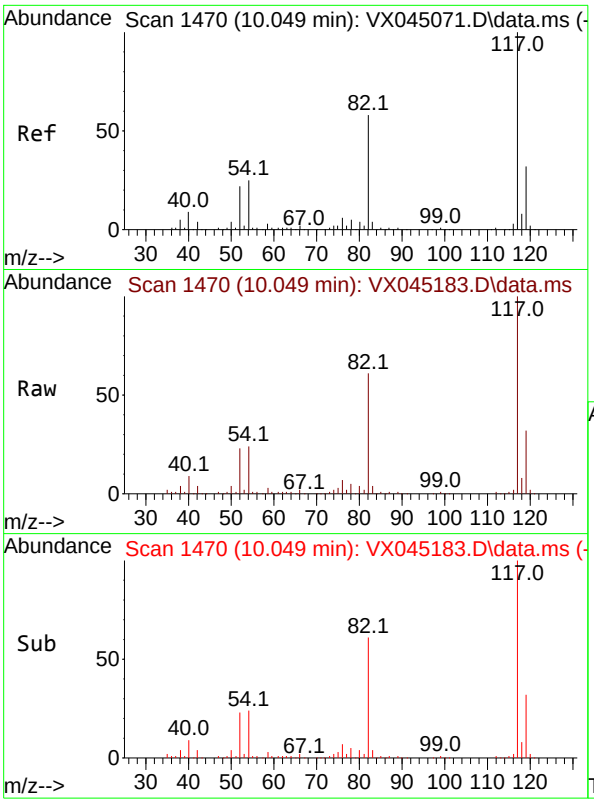


#62
4-Bromofluorobenzene
Concen: 53.054 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 95 Resp: 85749

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



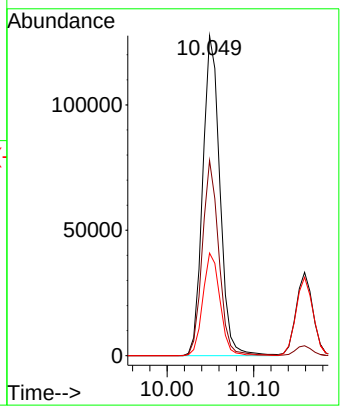


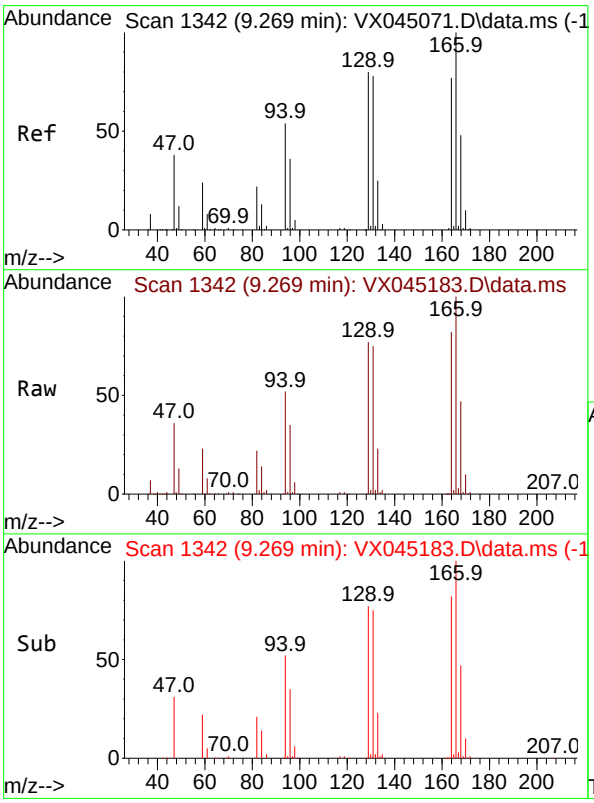
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 175591

Ion	Ratio	Lower	Upper
117	100		
82	61.0	46.3	69.5
119	32.1	25.7	38.5

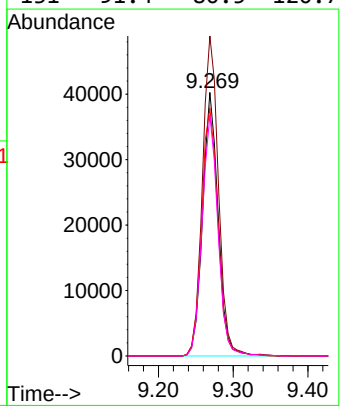


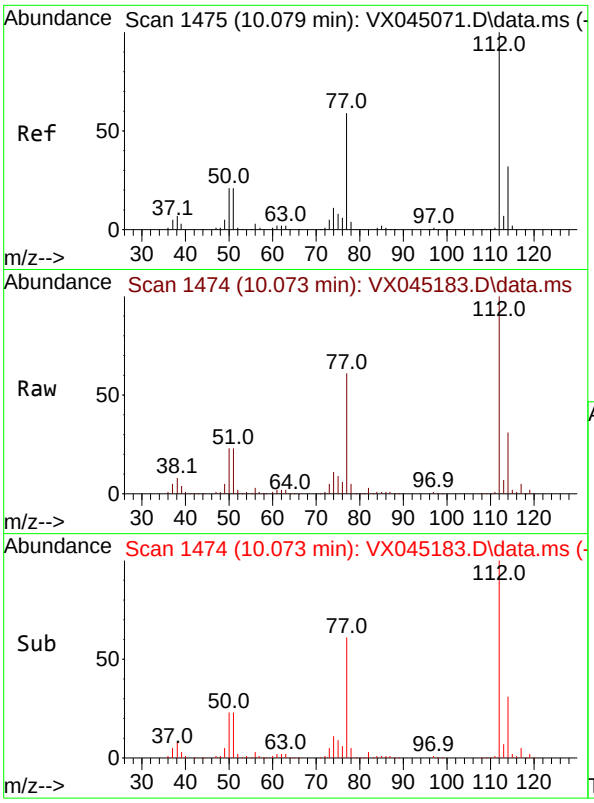


#64
Tetrachloroethene
Concen: 51.762 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:164 Resp: 58211

Ion	Ratio	Lower	Upper
164	100		
166	121.4	103.6	155.4
129	93.9	82.7	124.1
131	91.4	80.5	120.7



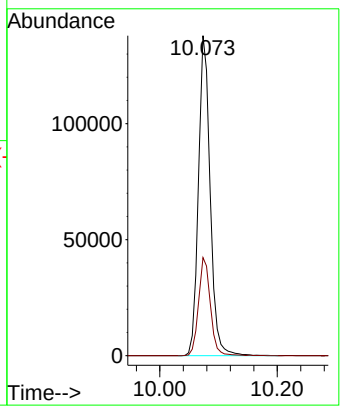


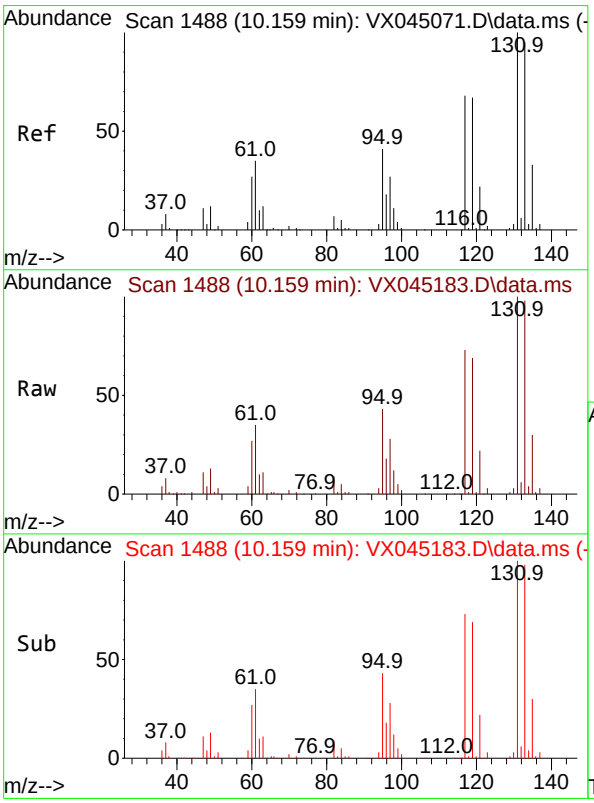
#65
Chlorobenzene
Concen: 51.488 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 191302

Ion	Ratio	Lower	Upper
112	100		
114	30.7	26.0	39.0

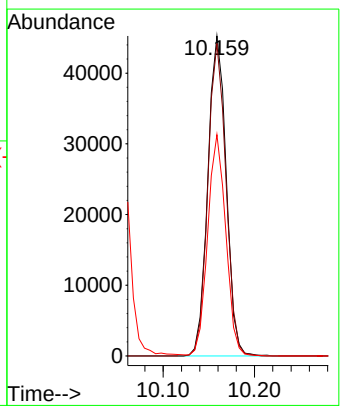


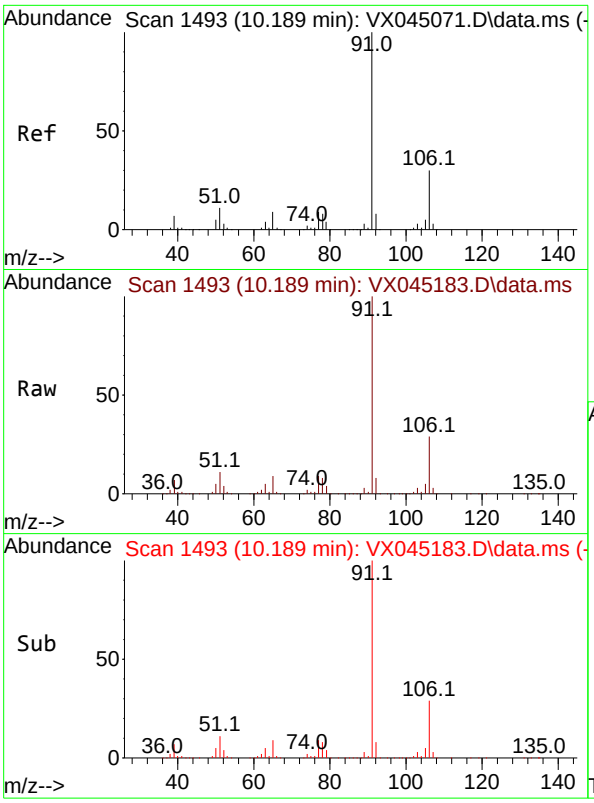


#66
1,1,1,2-Tetrachloroethane
Concen: 51.011 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:131 Resp: 63118

Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.6	145.9
119	68.2	33.9	101.7



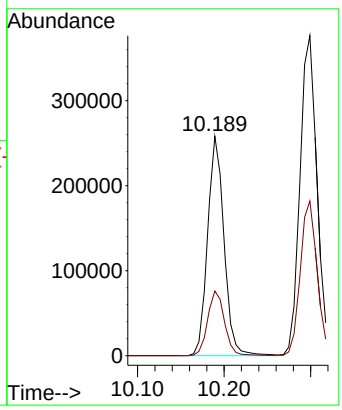


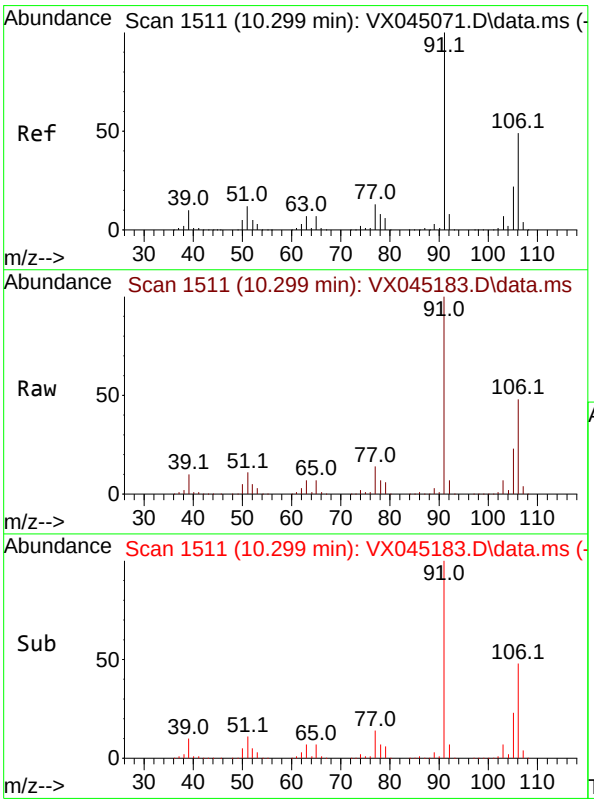
#67
Ethyl Benzene
Concen: 52.516 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 339985

Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.9	35.9

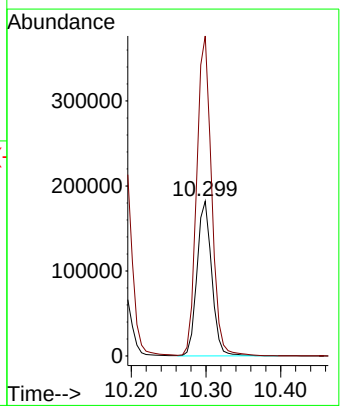


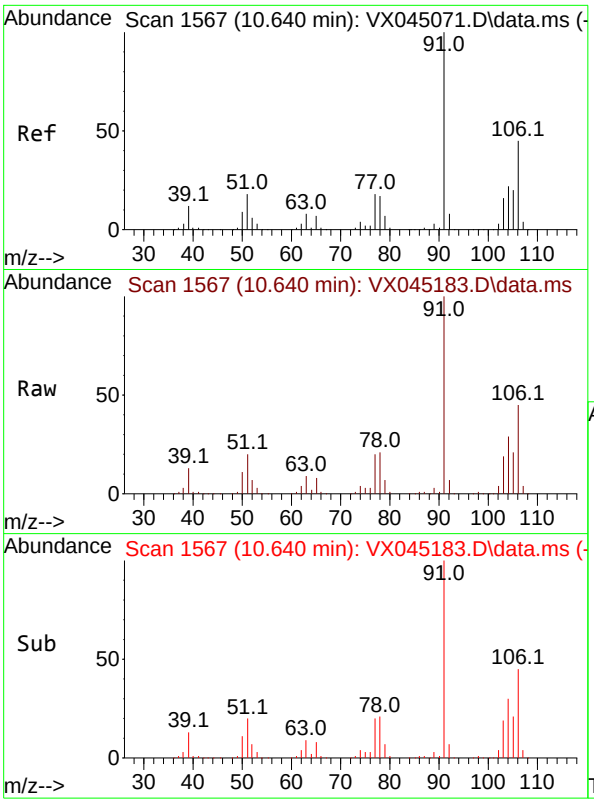


#68
m/p-Xylenes
Concen: 105.093 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:106 Resp: 249065

Ion	Ratio	Lower	Upper
106	100		
91	209.3	165.4	248.0



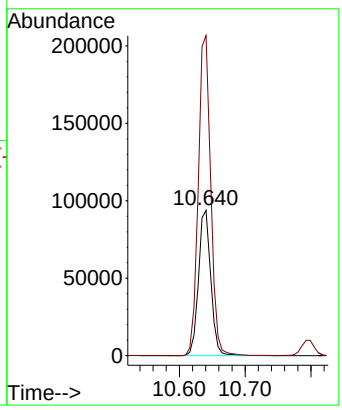


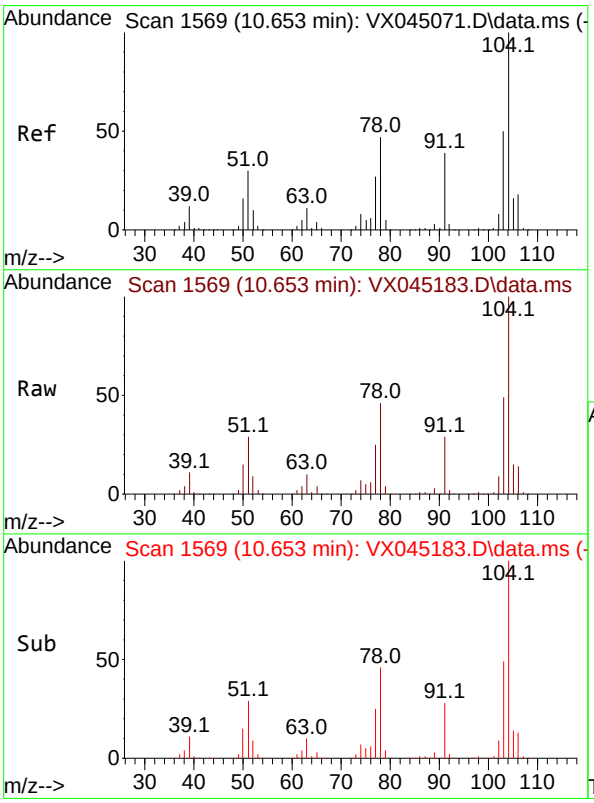
#69
o-Xylene
Concen: 51.028 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 121971

Ion	Ratio	Lower	Upper
106	100		
91	223.2	109.9	329.6

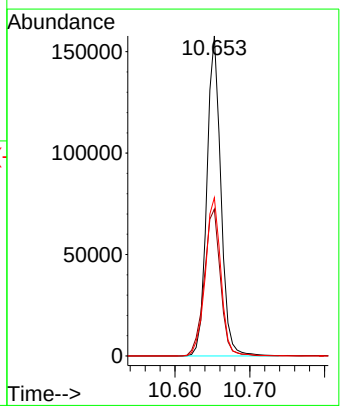


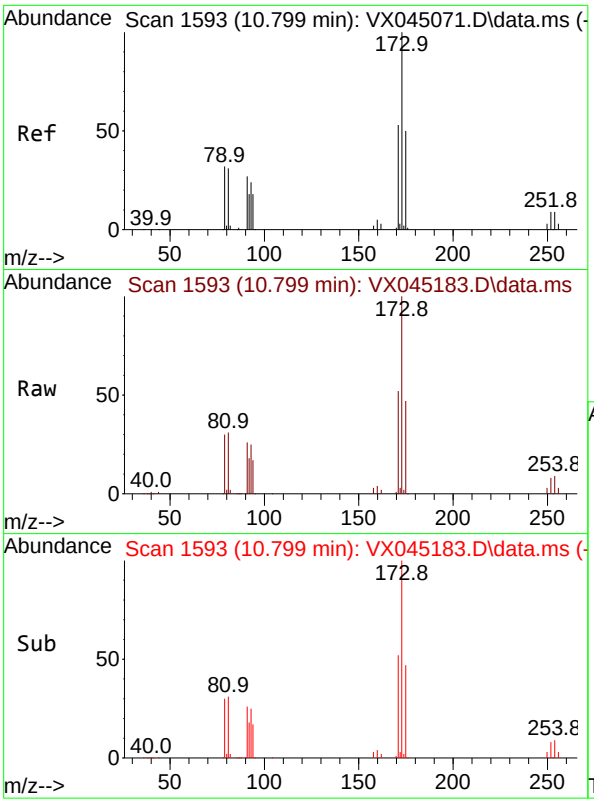


#70
Styrene
Concen: 53.127 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:104 Resp: 205472

Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.2	63.4
103	54.9	43.8	65.8



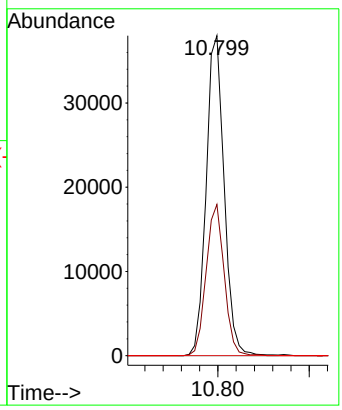


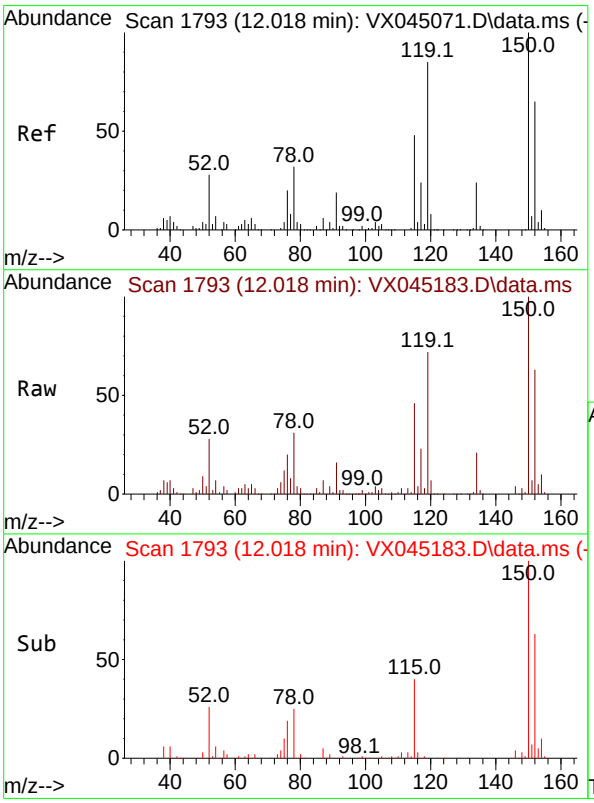
#71
Bromoform
Concen: 55.438 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 51727

Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.6	73.6
254	0.0	0.0	0.0

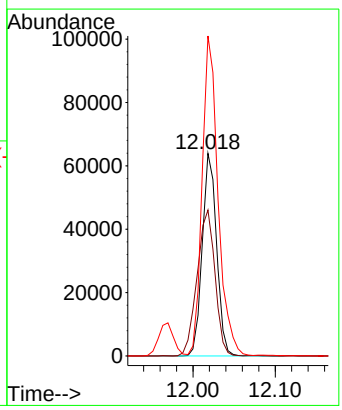


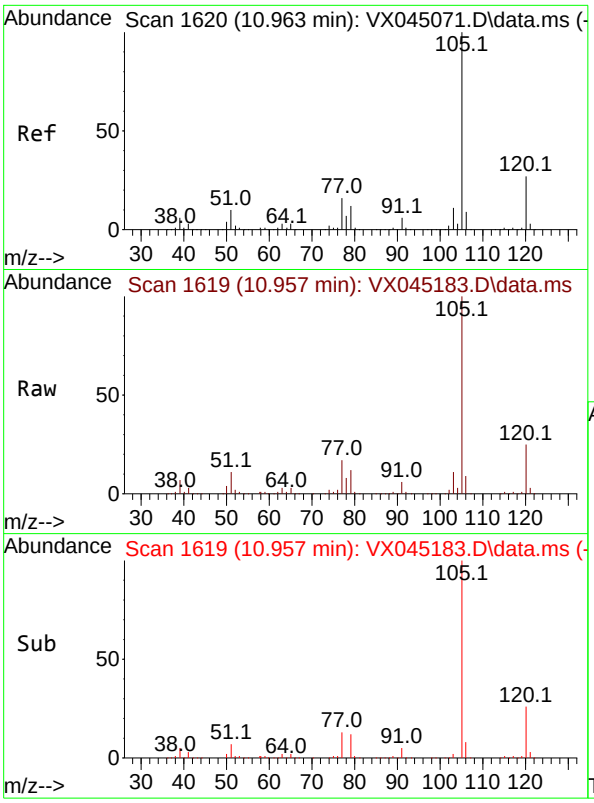


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:152 Resp: 77718

Ion	Ratio	Lower	Upper
152	100		
115	89.7	44.2	132.6
150	174.0	0.0	349.0



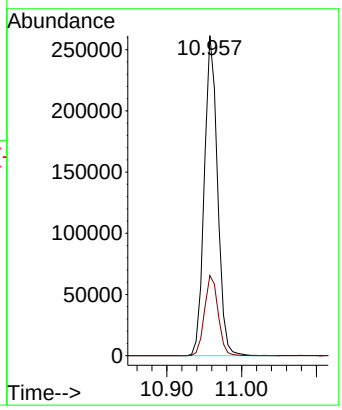


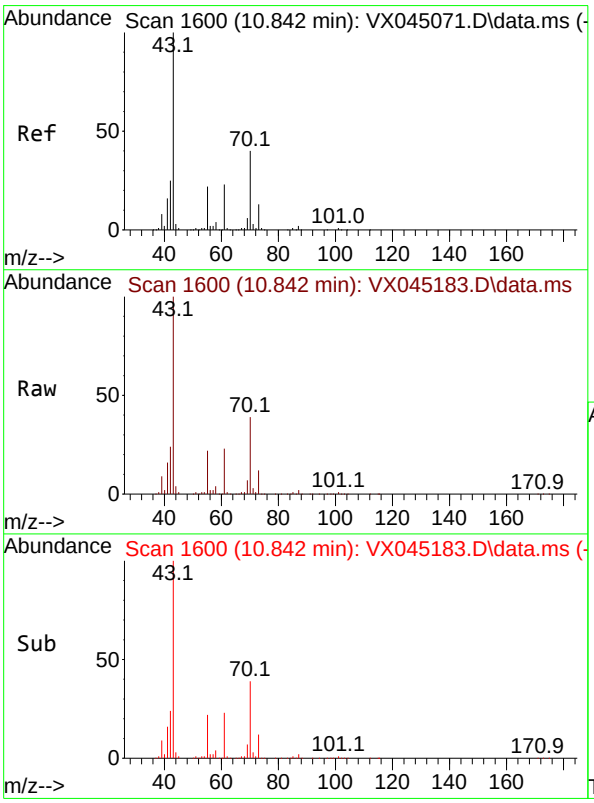
#73
Isopropylbenzene
Concen: 52.853 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 320616

Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.2	39.5

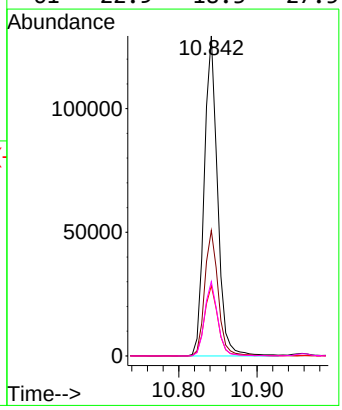


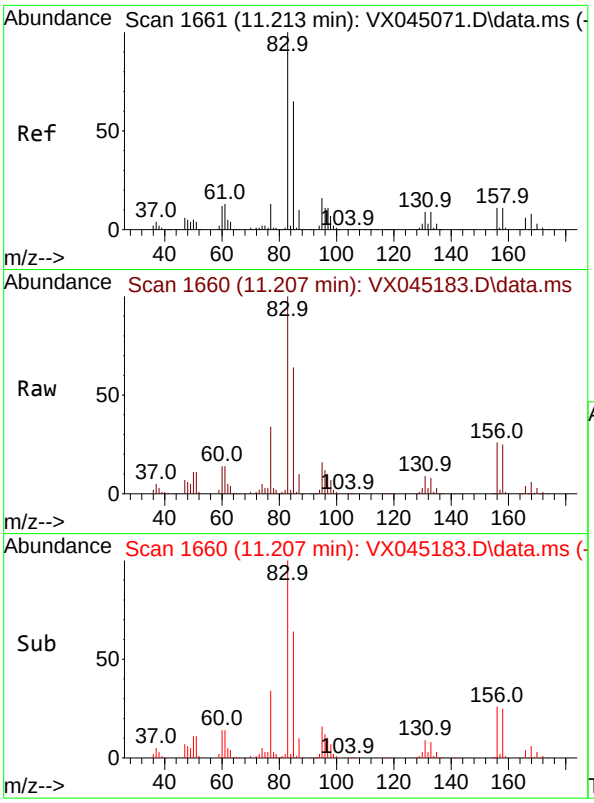


#74
N-amyl acetate
Concen: 53.397 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 43 Resp: 151990

Ion	Ratio	Lower	Upper
43	100		
70	39.7	31.8	47.6
55	22.3	18.3	27.5
61	22.9	18.3	27.5



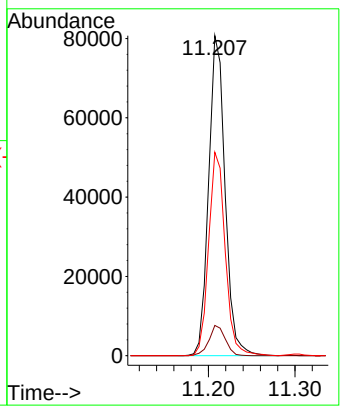


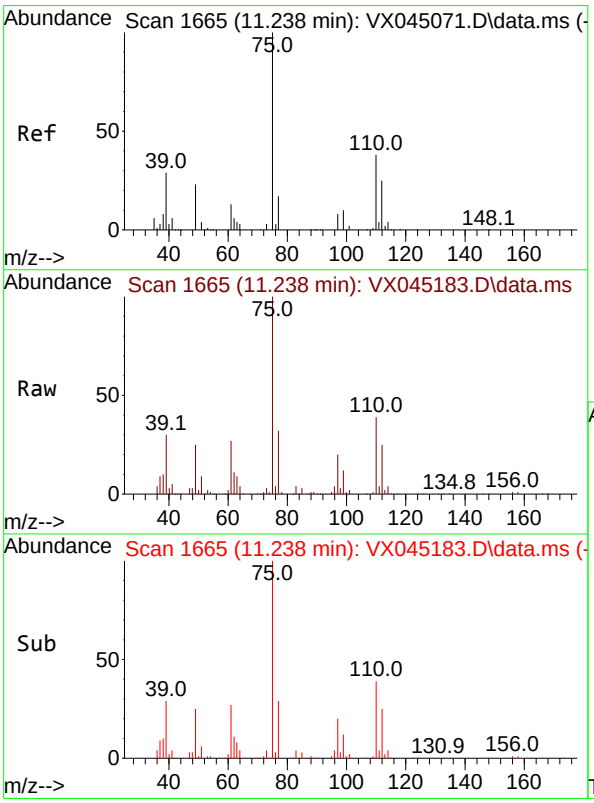
#75
1,1,2,2-Tetrachloroethane
Concen: 47.785 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 106372

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	64.1	31.7	95.1

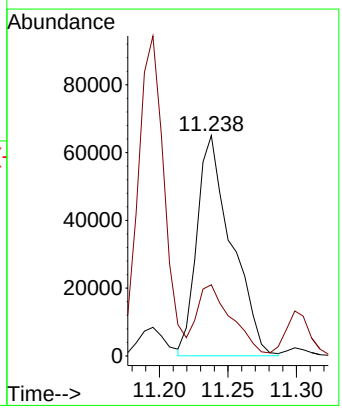


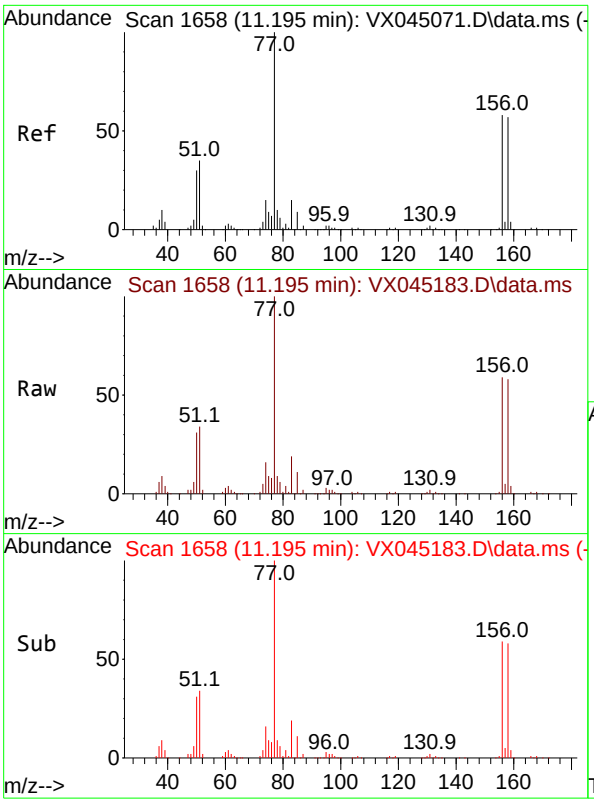


#76
1,2,3-Trichloropropane
Concen: 63.188 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 75 Resp: 114301

Ion	Ratio	Lower	Upper
75	100		
77	32.5	20.7	62.1



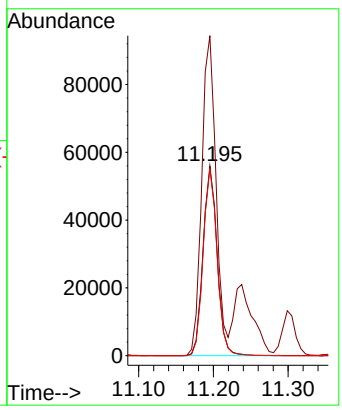


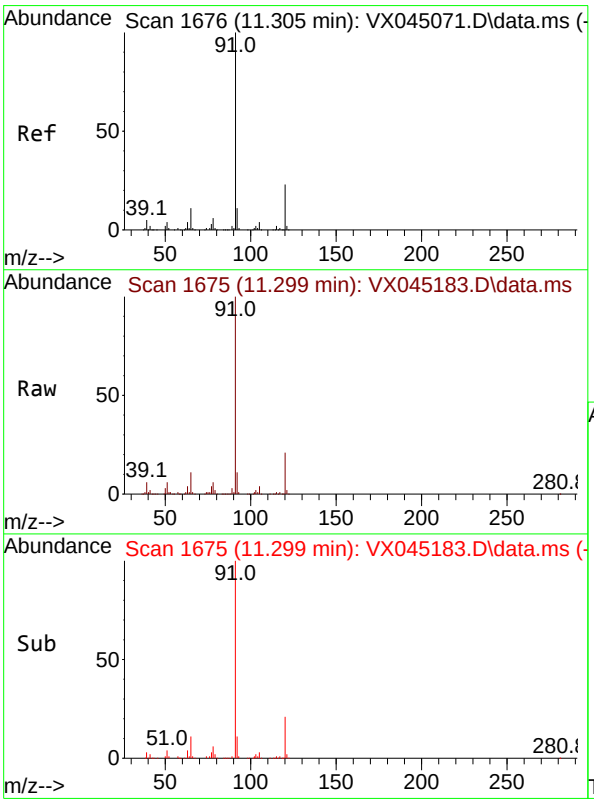
#77
Bromobenzene
Concen: 51.150 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 73209

Ion	Ratio	Lower	Upper
156	100		
77	170.9	85.8	257.4
158	97.6	48.4	145.2

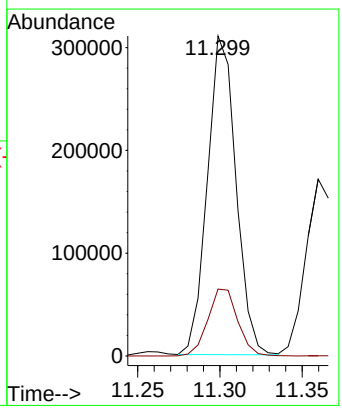


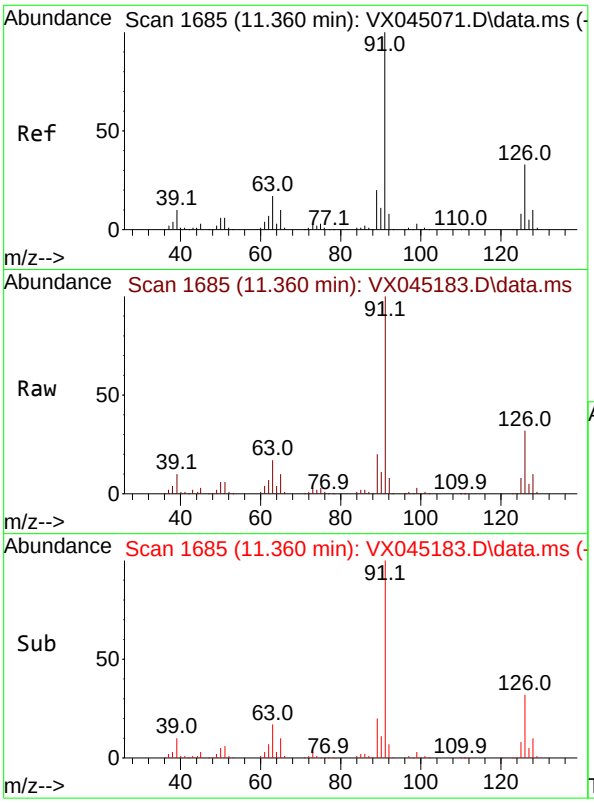


#78
n-propylbenzene
Concen: 54.788 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 91 Resp: 375437

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.2	33.6



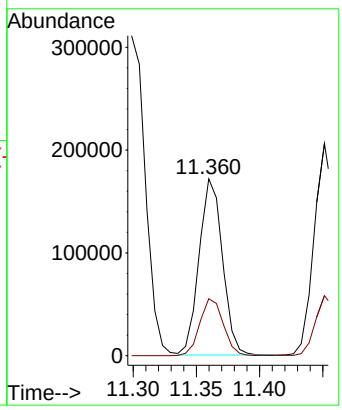


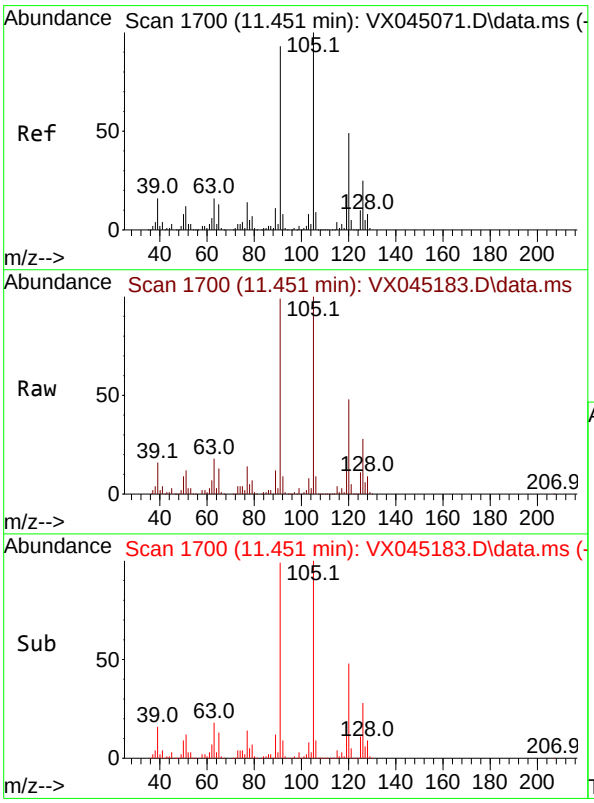
#79
2-Chlorotoluene
Concen: 50.523 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 220488

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4

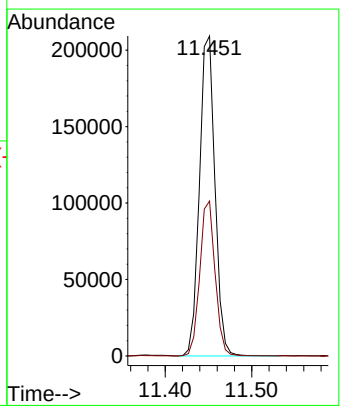


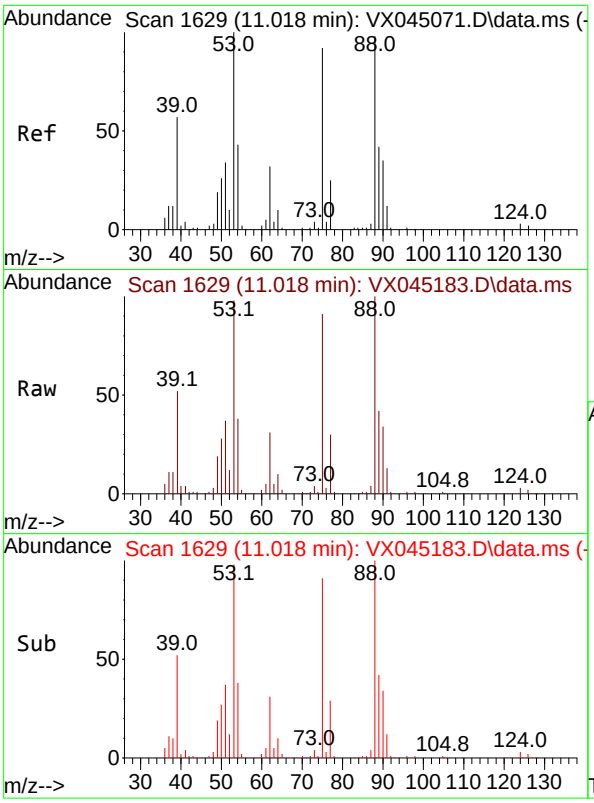


#80
1,3,5-Trimethylbenzene
Concen: 53.110 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:105 Resp: 260502

Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.1	72.2



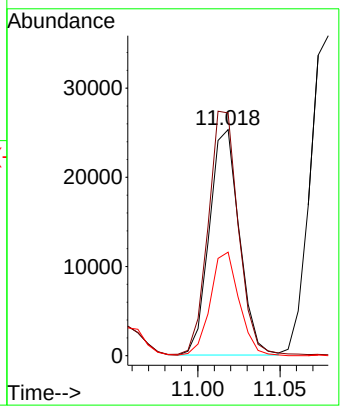


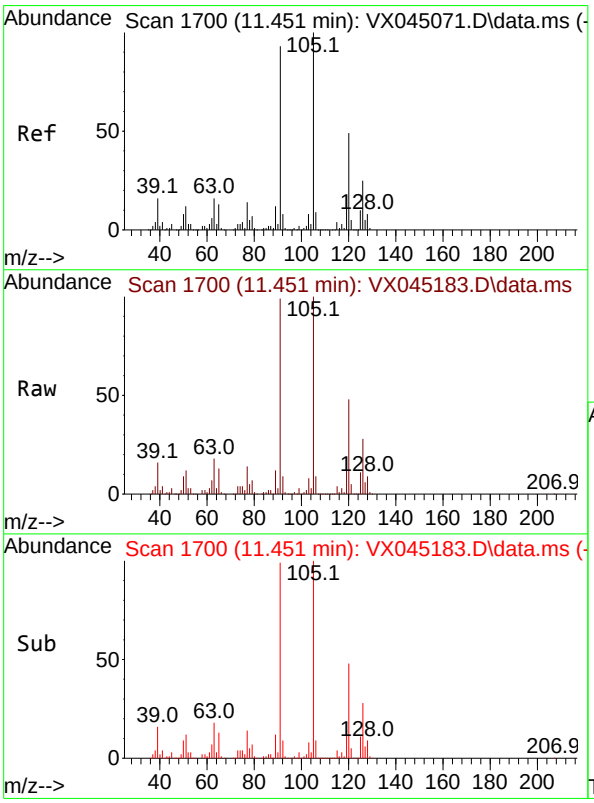
#81
trans-1,4-Dichloro-2-butene
Concen: 60.738 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 32105

Ion	Ratio	Lower	Upper
75	100		
53	109.4	88.5	132.7
89	44.2	36.2	54.4

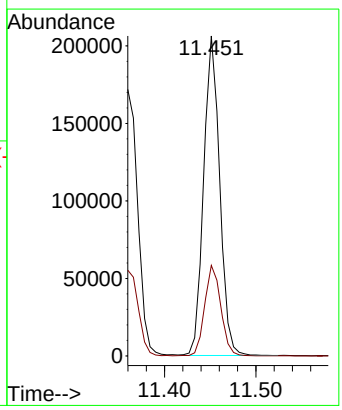


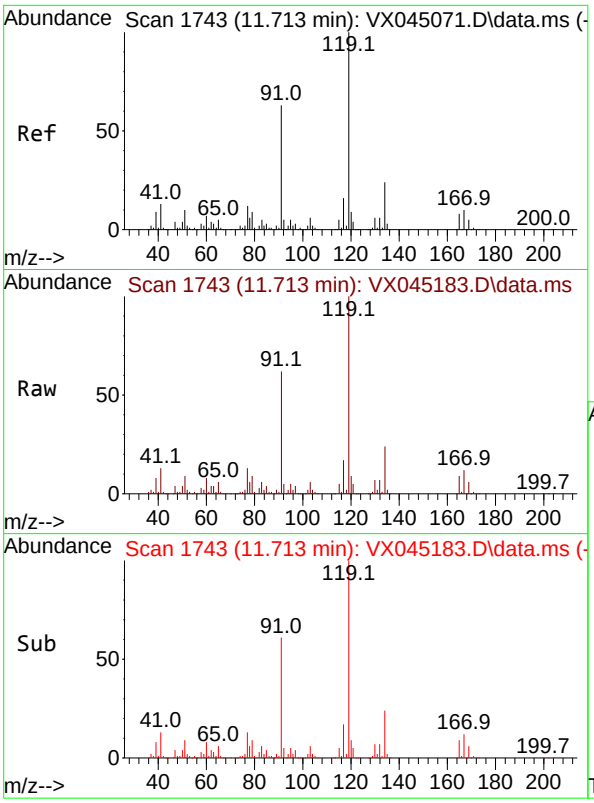


#82
4-Chlorotoluene
Concen: 52.759 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 91 Resp: 250938

Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.1	42.4



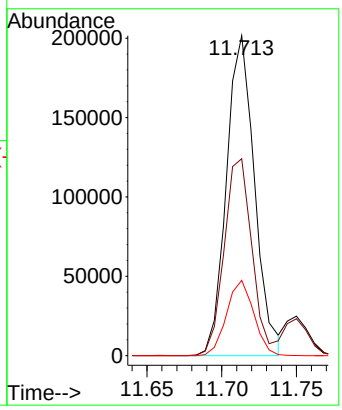


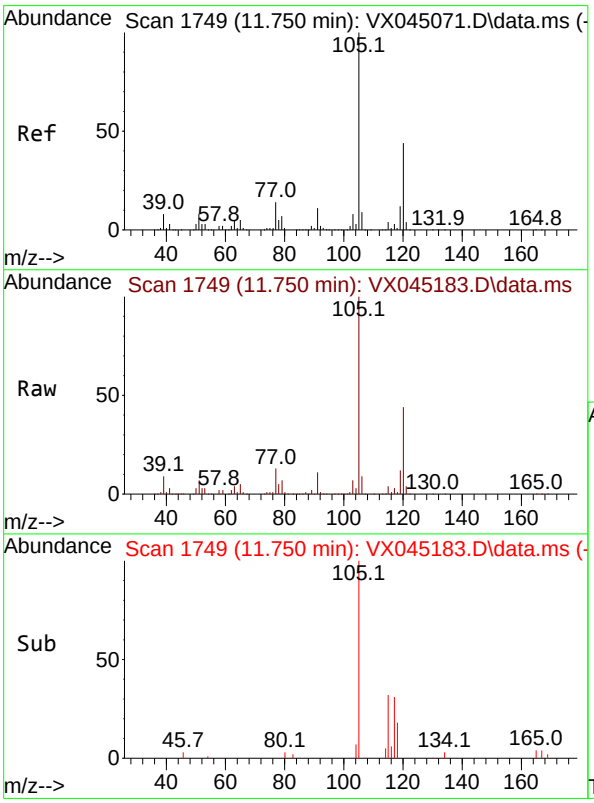
#83
tert-Butylbenzene
Concen: 52.398 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 264070

Ion	Ratio	Lower	Upper
119	100		
91	60.2	30.7	92.1
134	22.7	11.7	35.0

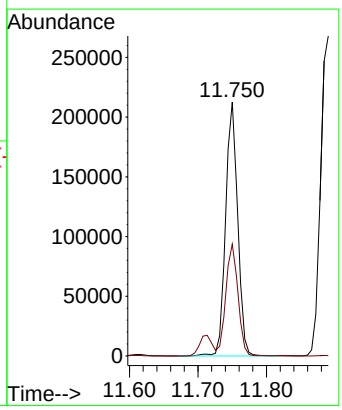


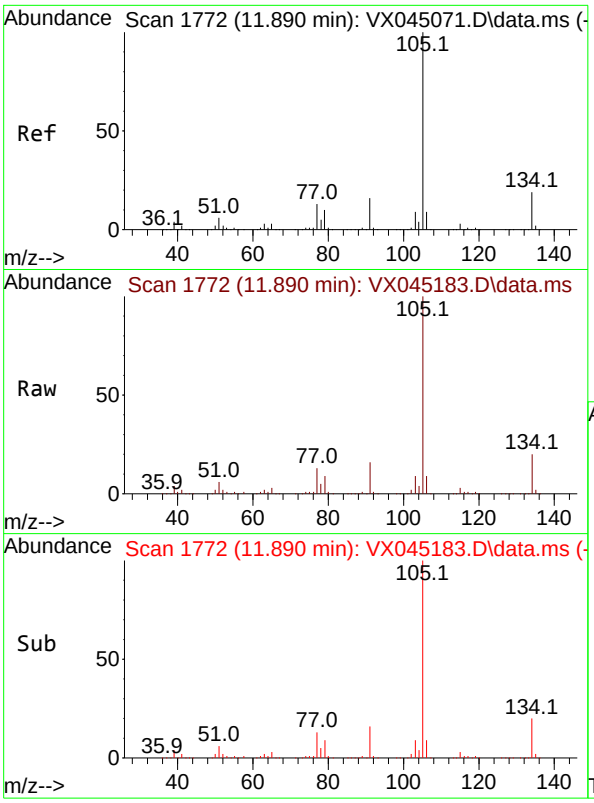


#84
1,2,4-Trimethylbenzene
Concen: 52.673 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:105 Resp: 259958

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.1	66.1



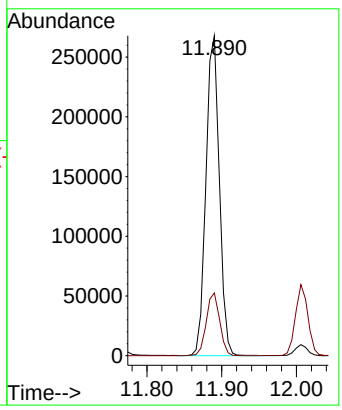


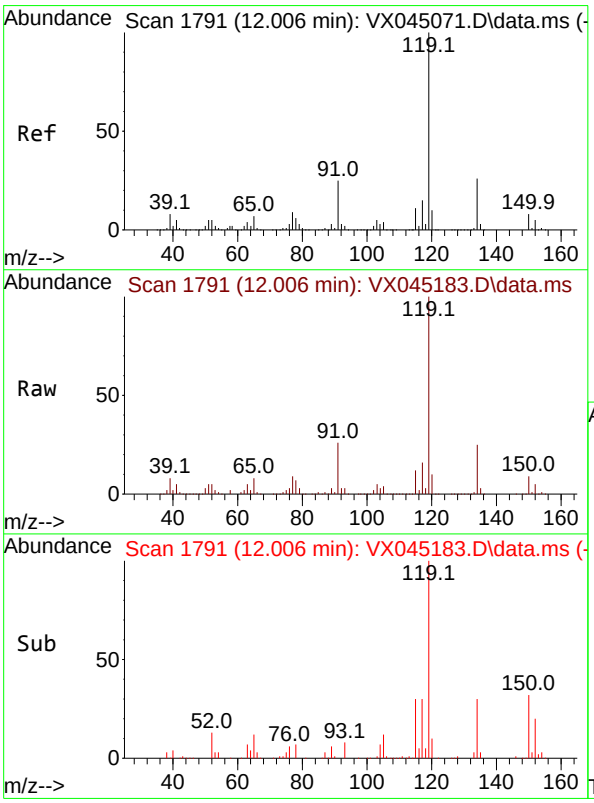
#85
sec-Butylbenzene
Concen: 55.257 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 333580

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

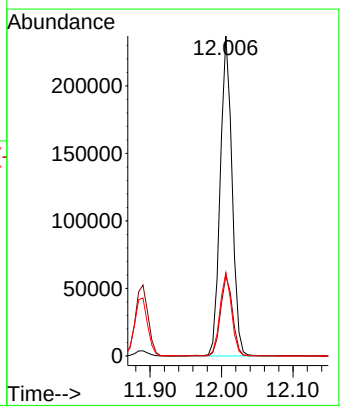


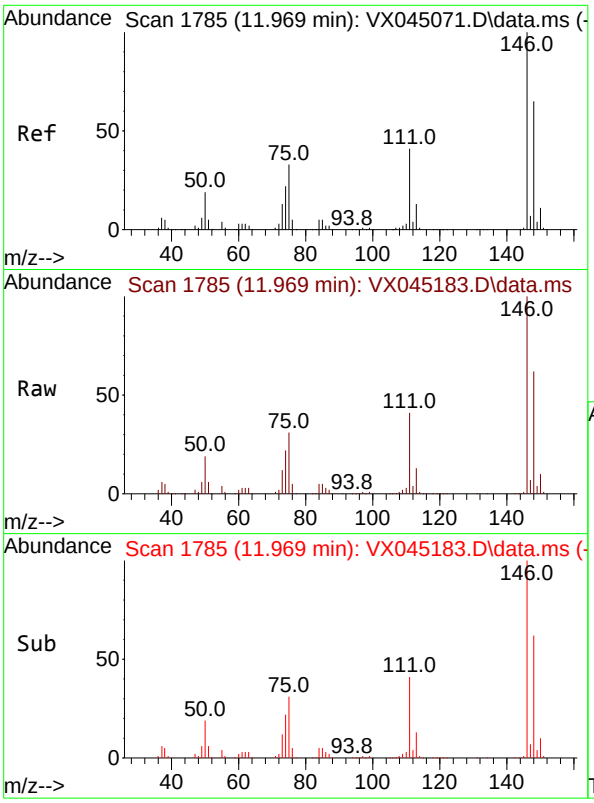


#86
p-Isopropyltoluene
Concen: 55.812 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:119 Resp: 272285

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	25.6	12.7	38.0



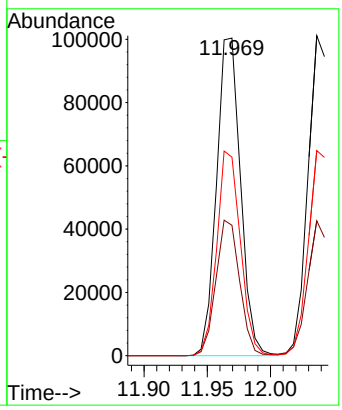


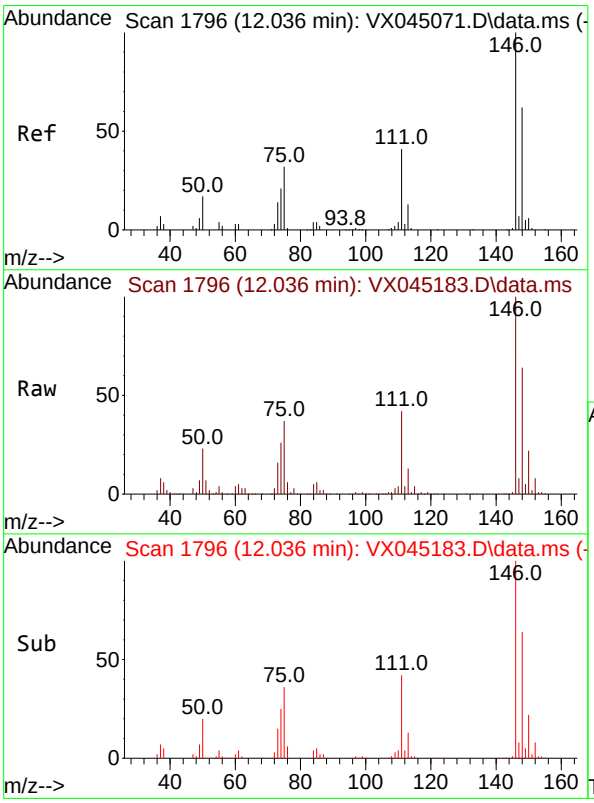
#87
1,3-Dichlorobenzene
Concen: 51.855 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 132399

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	63.5	31.9	95.7

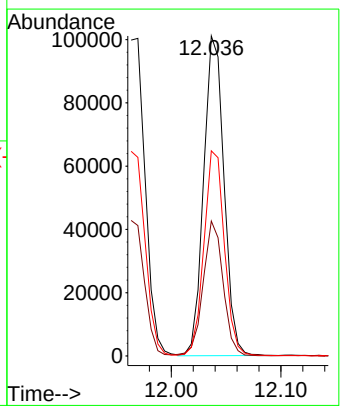


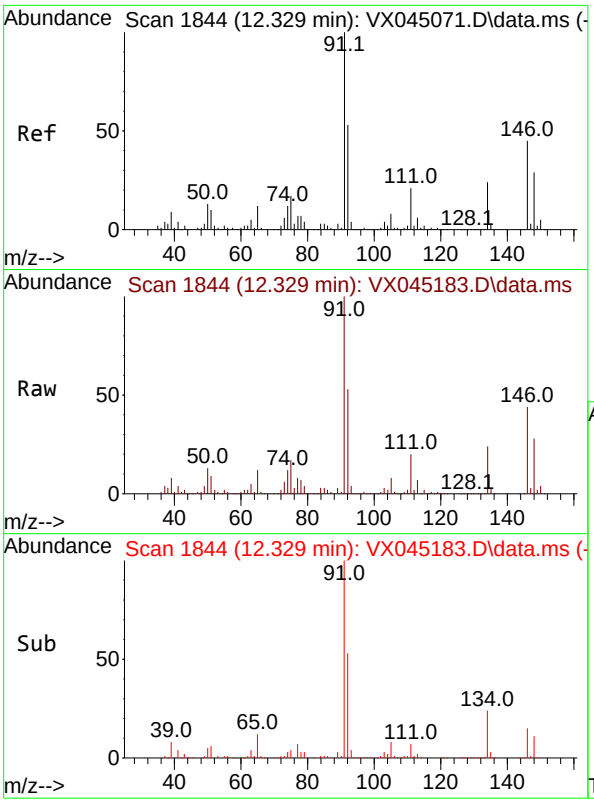


#88
1,4-Dichlorobenzene
Concen: 50.472 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:146 Resp: 130377

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.2	60.5
148	65.1	31.9	95.9



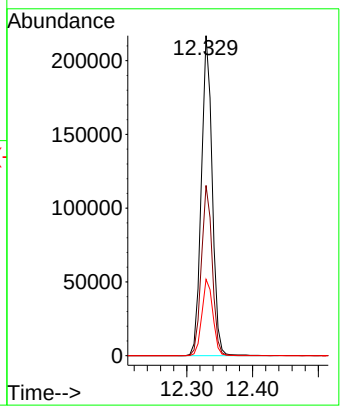


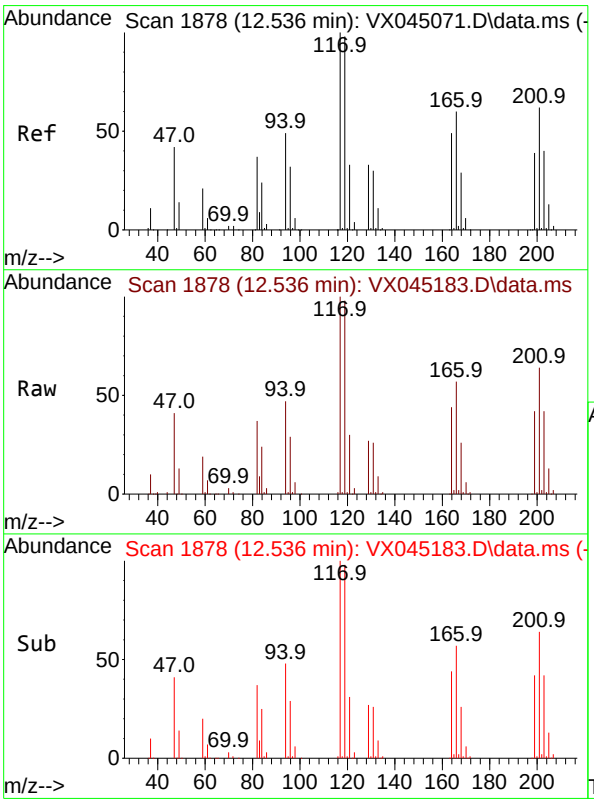
#89
n-Butylbenzene
Concen: 59.284 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 249102

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.2	12.2	36.6

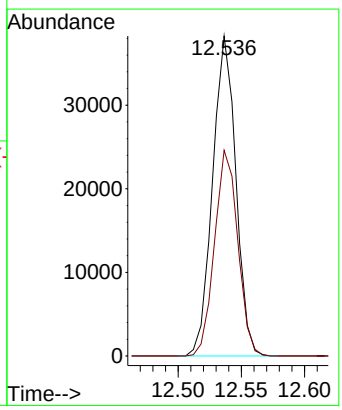


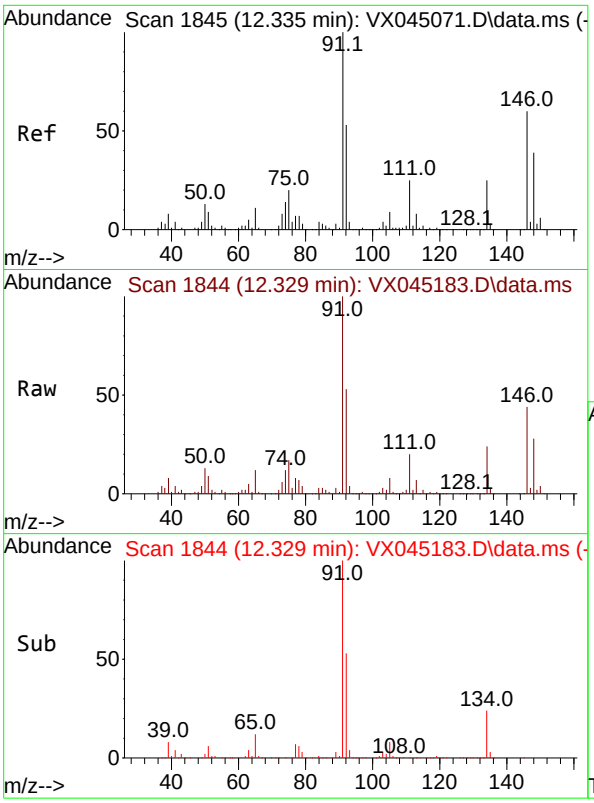


#90
Hexachloroethane
Concen: 55.329 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:117 Resp: 48824

Ion	Ratio	Lower	Upper
117	100		
201	64.4	31.9	95.9



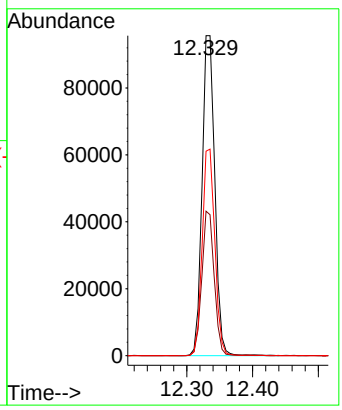


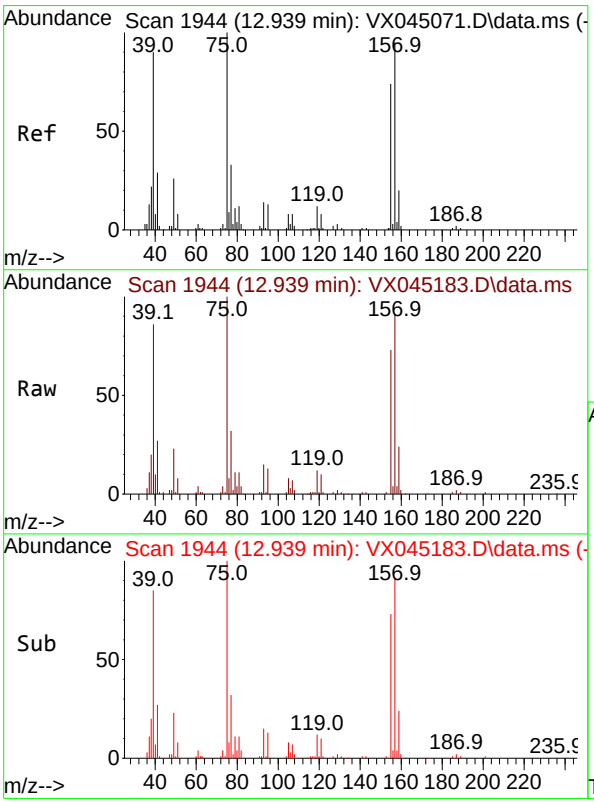
#91
1,2-Dichlorobenzene
Concen: 50.169 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 128496

Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.6	65.0
148	64.1	31.9	95.9

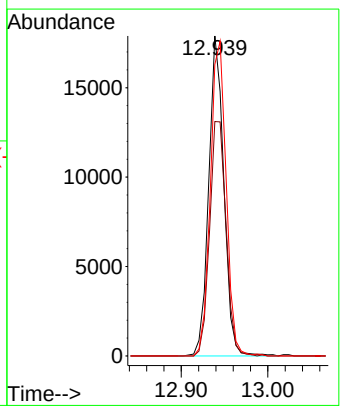


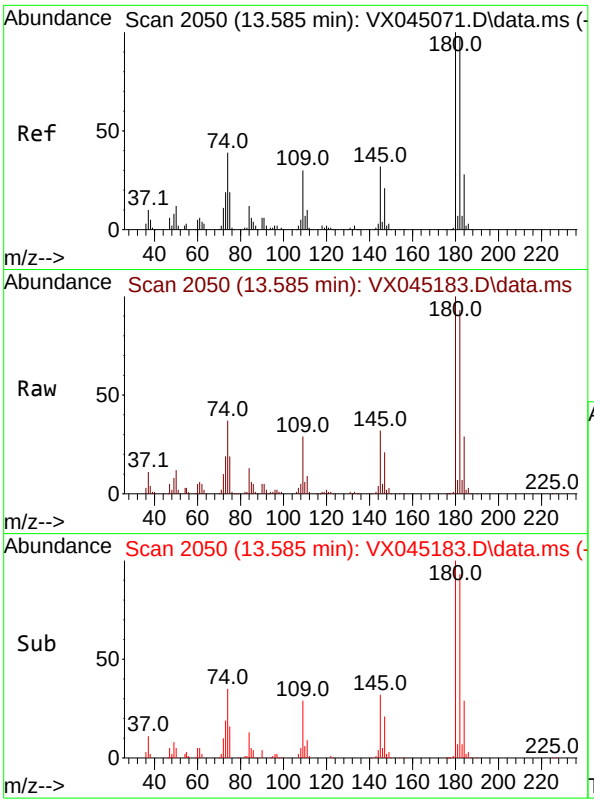


#92
1,2-Dibromo-3-Chloropropane
Concen: 50.061 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion: 75 Resp: 21710

Ion	Ratio	Lower	Upper
75	100		
155	79.7	39.6	118.7
157	102.6	51.1	153.4



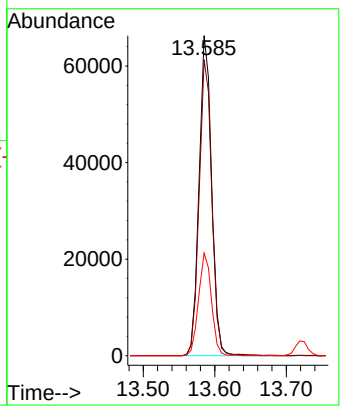


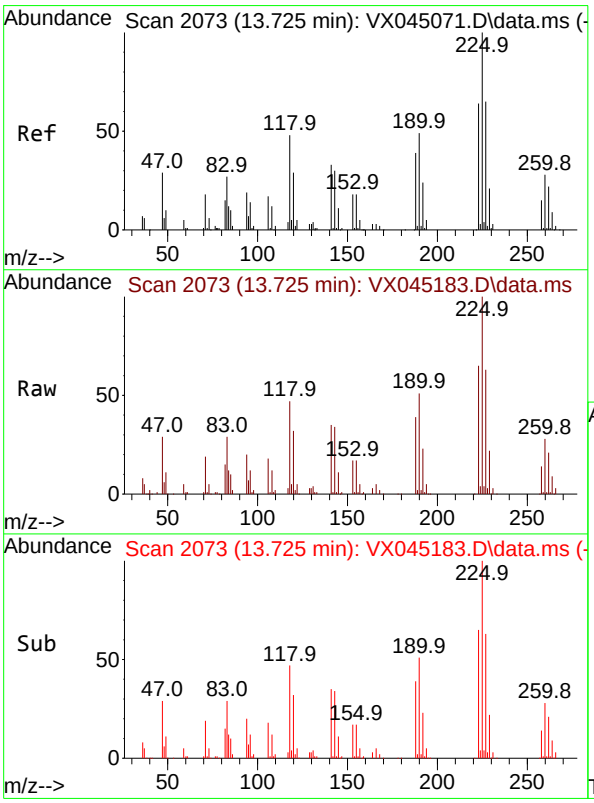
#93
1,2,4-Trichlorobenzene
Concen: 55.282 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 80625

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.3	141.9
145	32.8	16.3	48.9

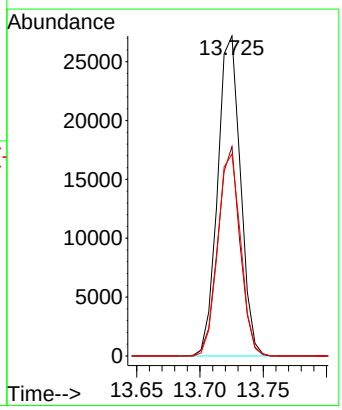


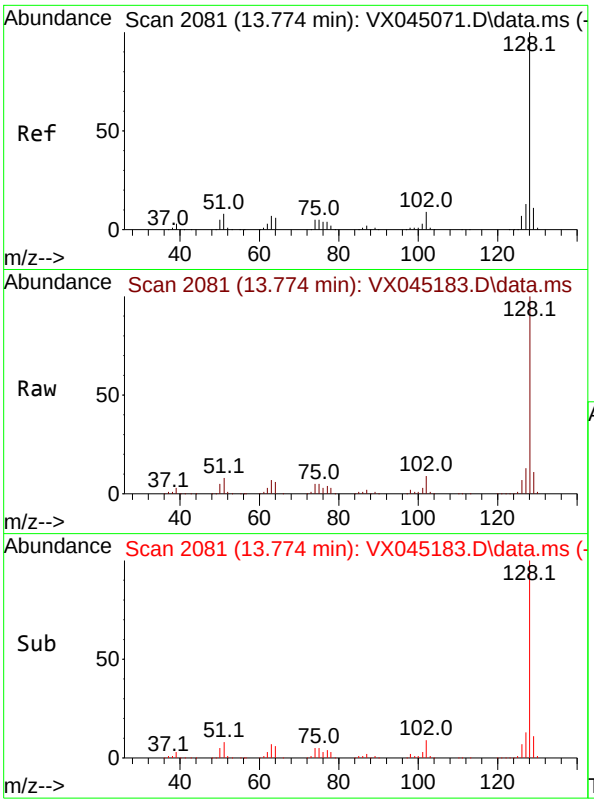


#94
Hexachlorobutadiene
Concen: 56.902 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:225 Resp: 34023

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.9	95.7
227	63.7	31.4	94.0



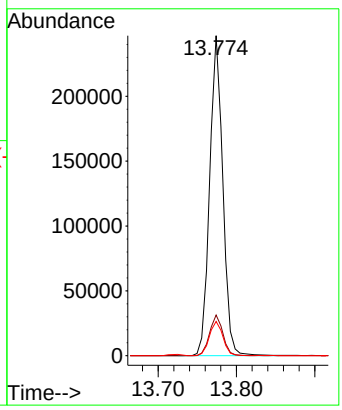


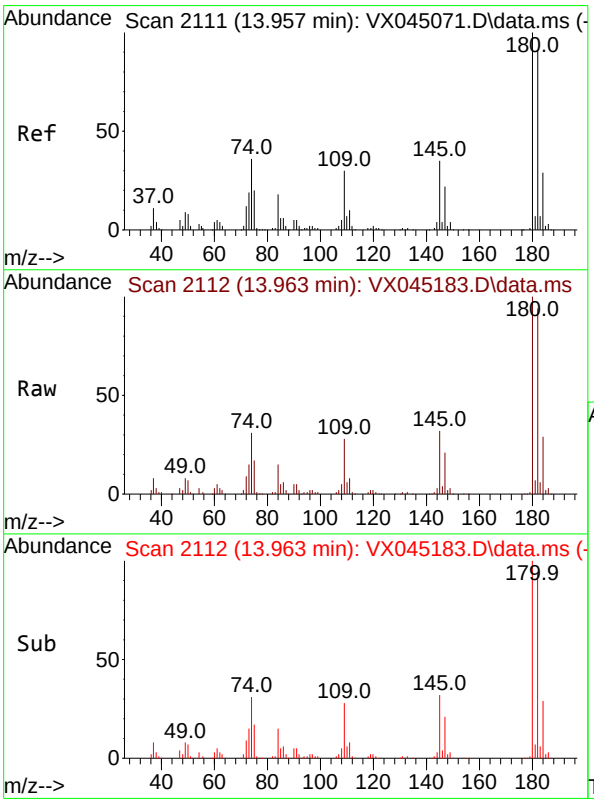
#95
Naphthalene
Concen: 51.156 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 286647

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.7	13.1

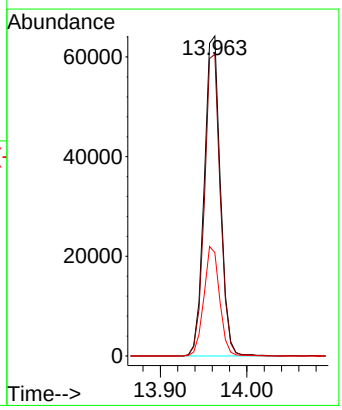




#96
1,2,3-Trichlorobenzene
Concen: 53.910 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045183.D
Acq: 10 Mar 2025 10:06

Tgt Ion:180 Resp: 82943

Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.5	142.6
145	33.4	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045186.D
Acq On : 10 Mar 2025 11:20
Operator : JC/MD
Sample : VX0310WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Quant Time: Mar 11 03:51:31 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	5.543	168	104404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	186124	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	161878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79937	48.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.260%			
35) Dibromofluoromethane	5.385	113	62021	49.834	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.660%			
50) Toluene-d8	8.647	98	221802	49.159	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.320%			
62) 4-Bromofluorobenzene	11.079	95	77677	51.953	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25480	19.388	ug/l	91
3) Chloromethane	1.306	50	30120	18.728	ug/l	94
4) Vinyl Chloride	1.373	62	27203	17.050	ug/l	99
5) Bromomethane	1.593	94	11257	17.948	ug/l	98
6) Chloroethane	1.666	64	15093	20.509	ug/l	97
7) Trichlorofluoromethane	1.873	101	39363	18.637	ug/l	98
8) Diethyl Ether	2.136	74	13933	16.866	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.318	101	24695	20.351	ug/l	98
10) Methyl Iodide	2.446	142	29249	19.288	ug/l	99
11) Tert butyl alcohol	2.983	59	24519	77.946	ug/l	99
12) 1,1-Dichloroethene	2.306	96	23946	18.665	ug/l	98
13) Acrolein	2.233	56	25651	70.542	ug/l	99
14) Allyl chloride	2.654	41	44610	19.535	ug/l	100
15) Acrylonitrile	3.062	53	80059	94.962	ug/l	98
16) Acetone	2.385	43	67362	87.425	ug/l	99
17) Carbon Disulfide	2.501	76	58757	17.196	ug/l	98
18) Methyl Acetate	2.703	43	38051	20.528	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	80687	18.746	ug/l	99
20) Methylene Chloride	2.788	84	28222	18.491	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	23289	18.375	ug/l	99
22) Diisopropyl ether	3.763	45	89520	19.275	ug/l	95
23) Vinyl Acetate	3.721	43	369903	95.441	ug/l	99
24) 1,1-Dichloroethane	3.605	63	48546	18.651	ug/l	99
25) 2-Butanone	4.562	43	109232	94.181	ug/l	97
26) 2,2-Dichloropropane	4.470	77	33647	27.560	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	29880	19.098	ug/l	97
28) Bromochloromethane	4.891	49	20590	16.596	ug/l	100
29) Tetrahydrofuran	5.007	42	70531	90.555	ug/l	100
30) Chloroform	5.086	83	47832	18.495	ug/l	98
31) Cyclohexane	5.464	56	42654	18.878	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	39615	18.966	ug/l	98
36) 1,1-Dichloropropene	5.690	75	32267	18.905	ug/l	99
37) Ethyl Acetate	4.714	43	39137	17.795	ug/l	100
38) Carbon Tetrachloride	5.671	117	33546	19.359	ug/l	98
39) Methylcyclohexane	7.378	83	41286	20.187	ug/l	97
40) Benzene	6.031	78	103744	19.249	ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045186.D
Acq On : 10 Mar 2025 11:20
Operator : JC/MD
Sample : VX0310WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Quant Time: Mar 11 03:51:31 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	4.922	41	22303	18.755	ug/l		96
42) 1,2-Dichloroethane	6.086	62	37579	19.362	ug/l		99
43) Isopropyl Acetate	6.336	43	64125	19.718	ug/l		99
44) Trichloroethene	7.122	130	23972	18.942	ug/l		91
45) 1,2-Dichloropropane	7.427	63	26718	19.281	ug/l		95
46) Dibromomethane	7.580	93	19155	19.557	ug/l		97
47) Bromodichloromethane	7.817	83	37100	19.311	ug/l		98
48) Methyl methacrylate	7.696	41	31537	19.329	ug/l		100
49) 1,4-Dioxane	7.665	88	12191	354.221	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	219362	100.457	ug/l		100
52) Toluene	8.714	92	61445	19.431	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	31894	19.858	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	38485	20.549	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	24738	19.003	ug/l		96
56) Ethyl methacrylate	9.116	69	39475	19.949	ug/l		98
57) 1,3-Dichloropropane	9.305	76	43395	19.262	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	90184	93.427	ug/l		98
59) 2-Hexanone	9.427	43	160886	101.689	ug/l		99
60) Dibromochloromethane	9.518	129	26805	19.693	ug/l		99
61) 1,2-Dibromoethane	9.610	107	25223	19.408	ug/l		98
64) Tetrachloroethene	9.268	164	20281	19.562	ug/l		98
65) Chlorobenzene	10.079	112	68266	19.930	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	21711	19.033	ug/l		99
67) Ethyl Benzene	10.189	91	117938	19.760	ug/l		100
68) m/p-Xylenes	10.299	106	88499	40.505	ug/l		99
69) o-Xylene	10.640	106	43660	19.813	ug/l		98
70) Styrene	10.652	104	72752	20.404	ug/l		100
71) Bromoform	10.799	173	17262	20.068	ug/l	#	100
73) Isopropylbenzene	10.963	105	113373	19.375	ug/l		100
74) N-amyl acetate	10.841	43	53626	19.531	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	40510	18.866	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	42038	24.092	ug/l		88
77) Bromobenzene	11.195	156	27133	19.653	ug/l		99
78) n-propylbenzene	11.305	91	132378	20.027	ug/l		99
79) 2-Chlorotoluene	11.359	91	80667	19.162	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	95140	20.108	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	10209	20.022	ug/l		94
82) 4-Chlorotoluene	11.451	91	89366	19.478	ug/l		99
83) tert-Butylbenzene	11.713	119	94493	19.437	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	96117	20.190	ug/l		99
85) sec-Butylbenzene	11.890	105	118612	20.368	ug/l		100
86) p-Isopropyltoluene	12.006	119	96823	20.574	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	48722	19.782	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	47601	19.103	ug/l		96
89) n-Butylbenzene	12.329	91	83410	20.579	ug/l		99
90) Hexachloroethane	12.536	117	16215	19.049	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	48277	19.540	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7713	18.437	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	26788	19.041	ug/l		98
94) Hexachlorobutadiene	13.725	225	11700	20.285	ug/l		98
95) Naphthalene	13.774	128	102523	18.968	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	28112	18.942	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045186.D
Acq On : 10 Mar 2025 11:20
Operator : JC/MD
Sample : VX0310WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Quant Time: Mar 11 03:51:31 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)

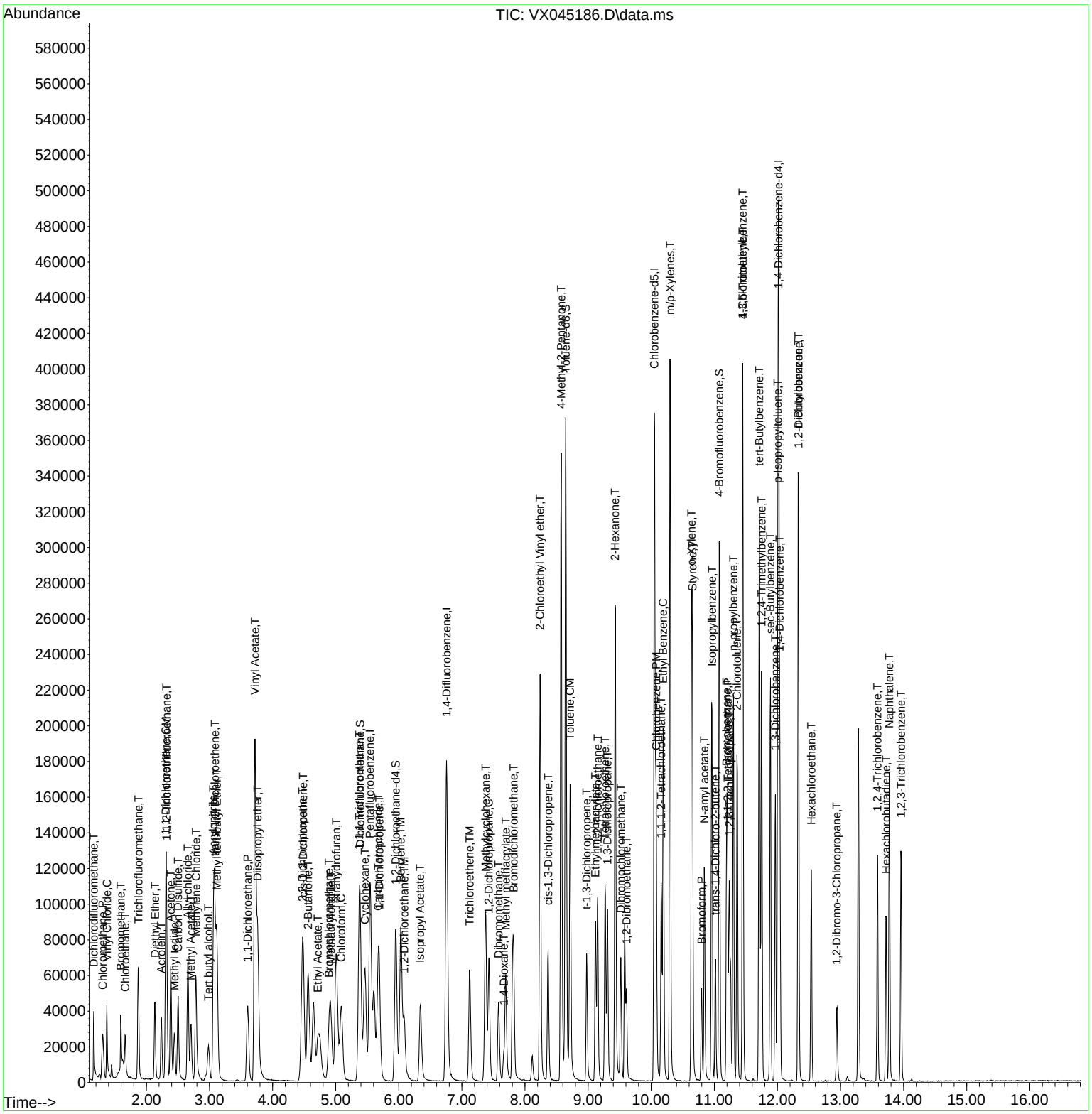
(#) = qualifier out of range (m) = manual integration (+) = signals summed

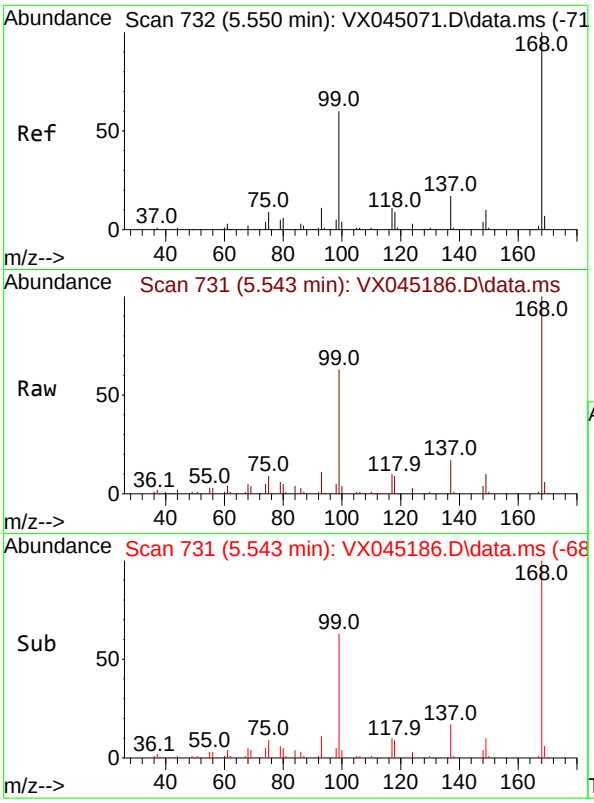
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045186.D
Acq On : 10 Mar 2025 11:20
Operator : JC/MD
Sample : VX0310WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Quant Time: Mar 11 03:51:31 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



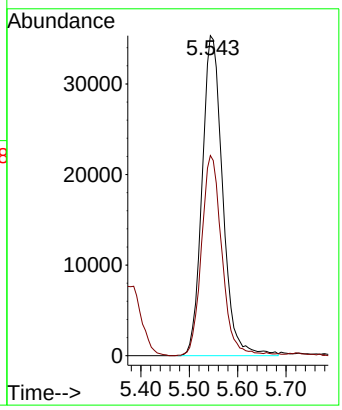


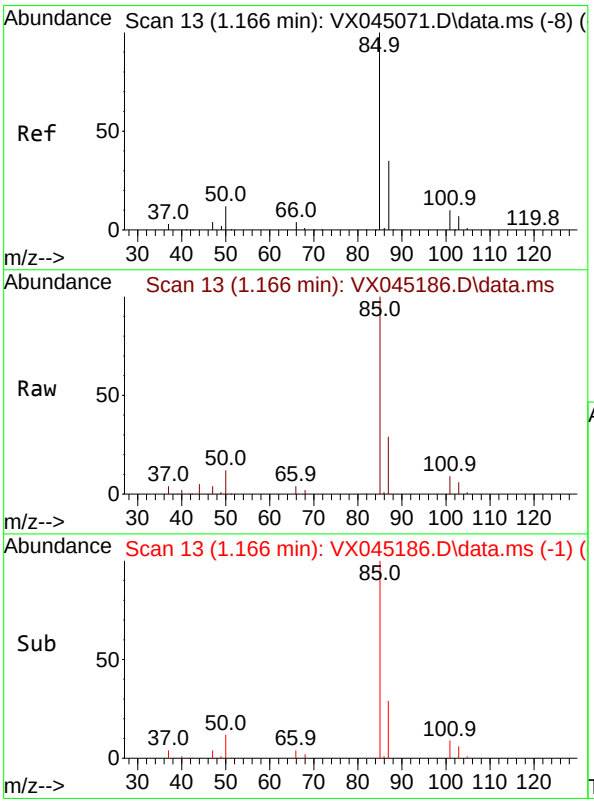
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:168 Resp: 104404

Ion	Ratio	Lower	Upper
168	100		
99	62.4	48.2	72.4

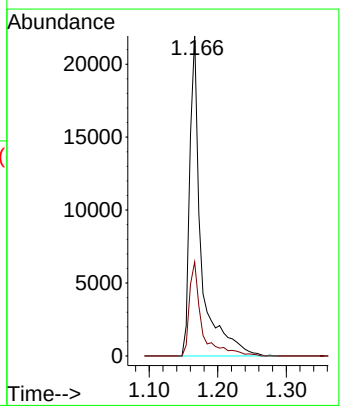


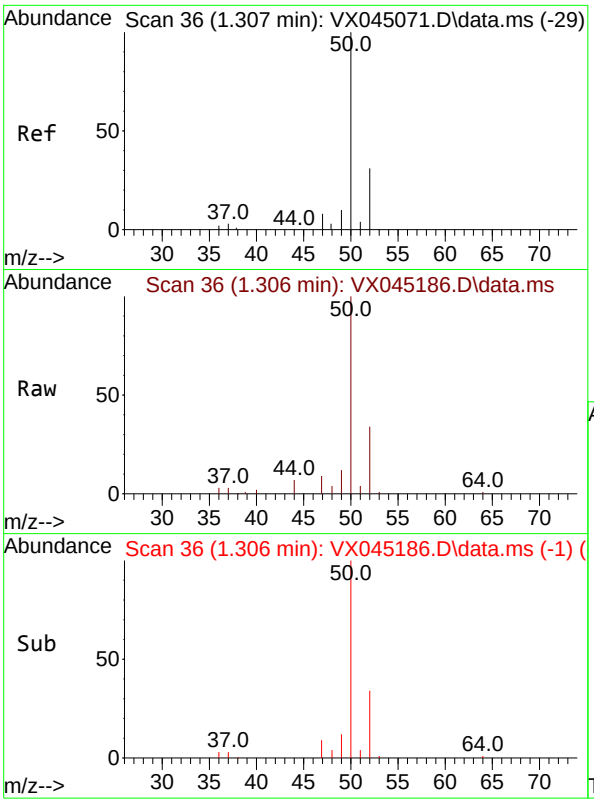


#2
Dichlorodifluoromethane
Concen: 19.388 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 85 Resp: 25480

Ion	Ratio	Lower	Upper
85	100		
87	29.4	17.4	52.3



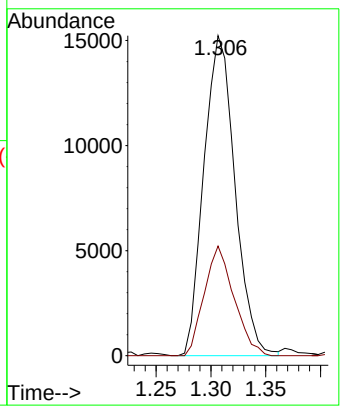


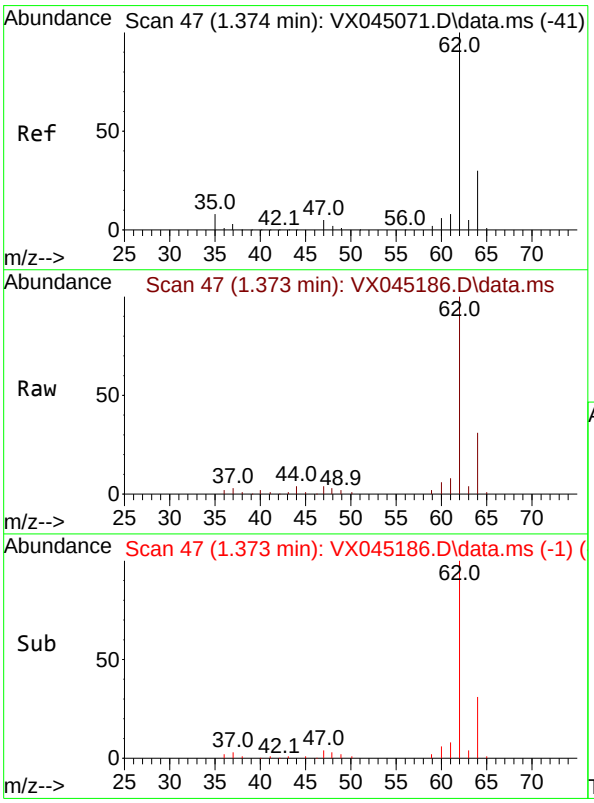
#3
Chloromethane
Concen: 18.728 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 50 Resp: 30120

Ion	Ratio	Lower	Upper
50	100		
52	34.2	25.0	37.4

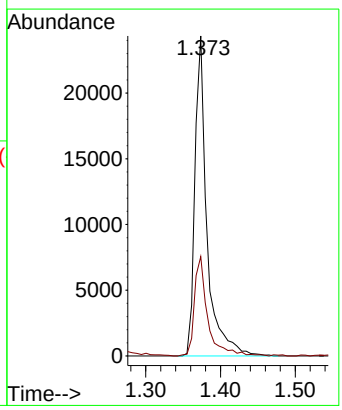


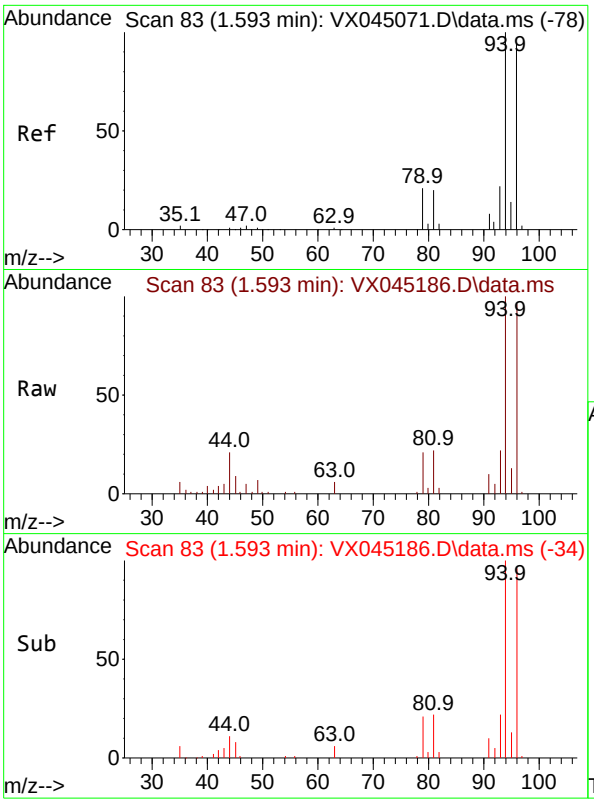


#4
Vinyl Chloride
Concen: 17.050 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 62 Resp: 27203

Ion	Ratio	Lower	Upper
62	100		
64	31.1	24.3	36.5



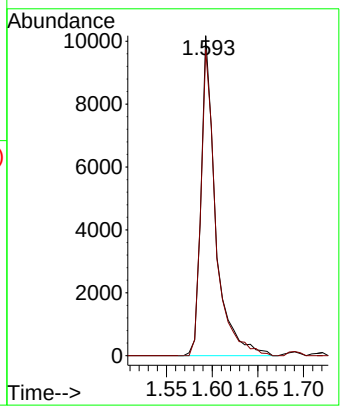


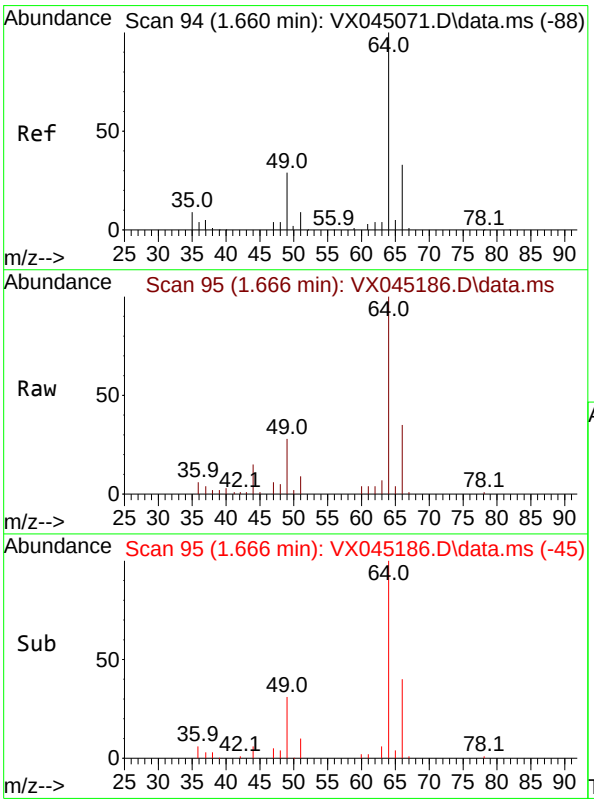
#5
Bromomethane
Concen: 17.948 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 94 Resp: 11257

Ion	Ratio	Lower	Upper
94	100		
96	95.7	75.0	112.4

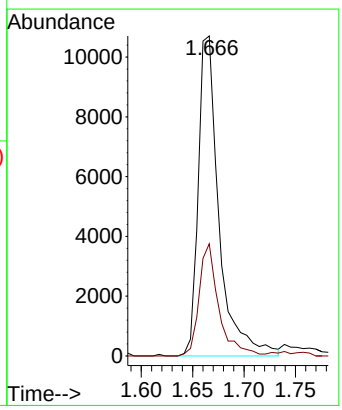


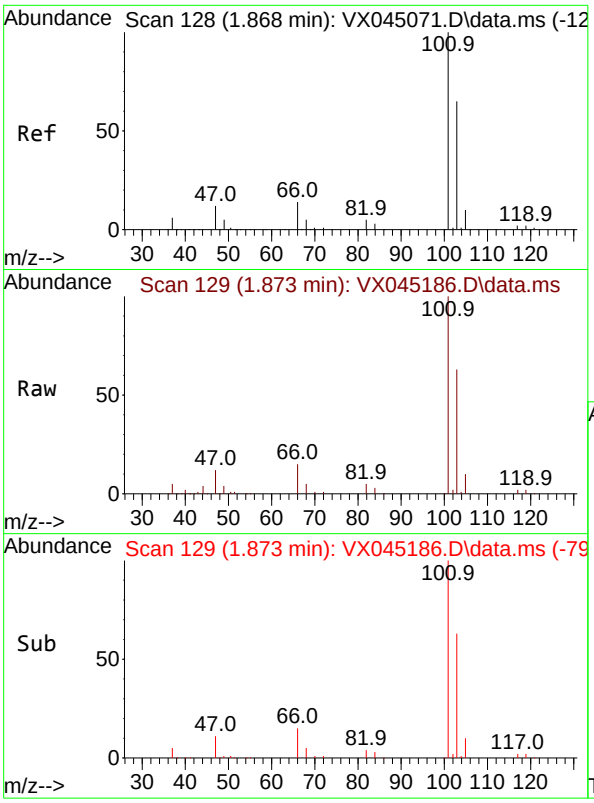


#6
Chloroethane
Concen: 20.509 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 64 Resp: 15093

Ion	Ratio	Lower	Upper
64	100		
66	35.1	26.7	40.1



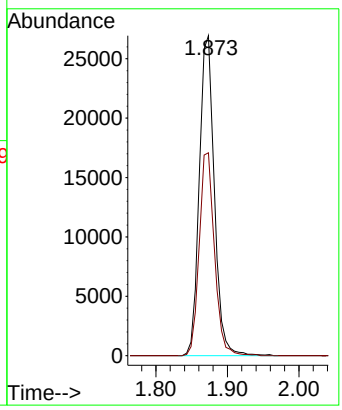


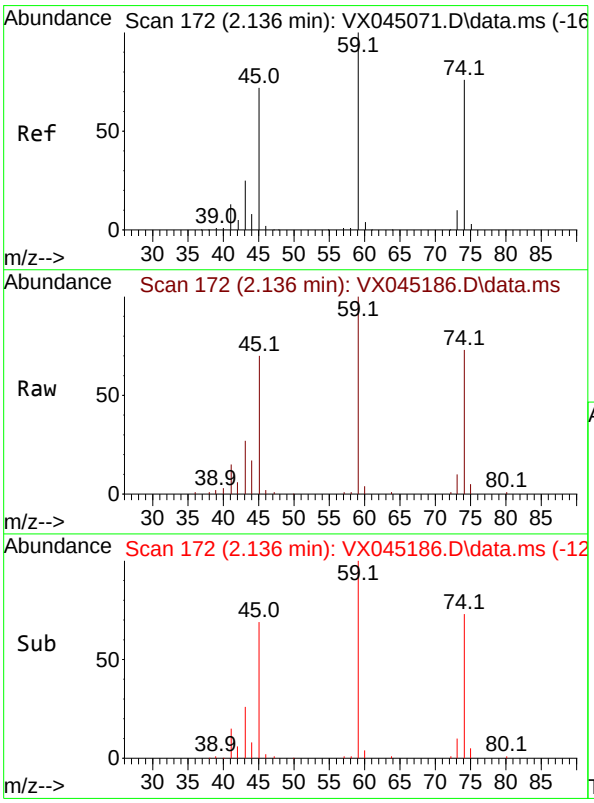
#7
Trichlorofluoromethane
Concen: 18.637 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:101 Resp: 39363

Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.1	78.1

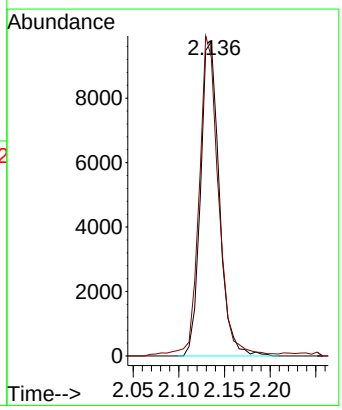


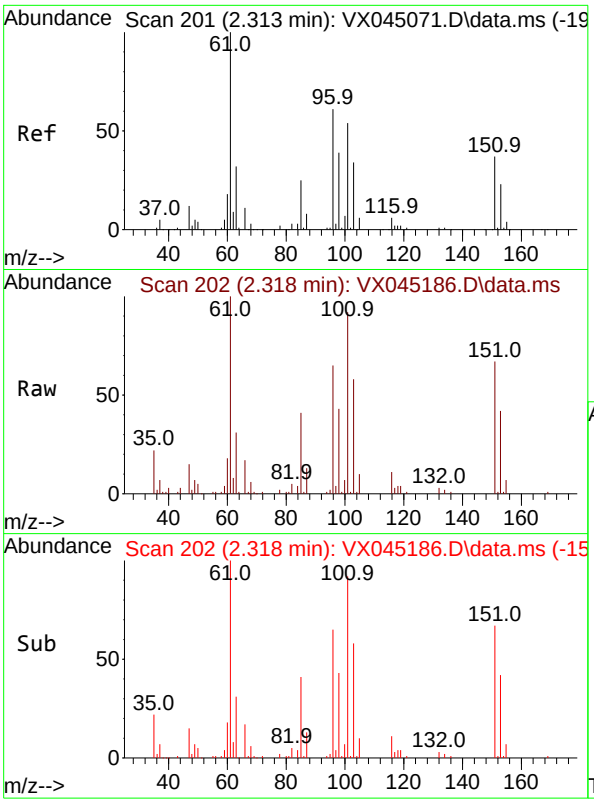


#8
Diethyl Ether
Concen: 16.866 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 74 Resp: 13933

Ion	Ratio	Lower	Upper
74	100		
45	105.7	51.5	154.5



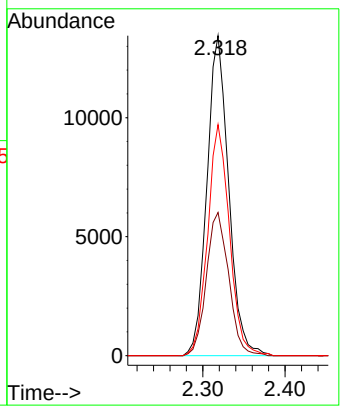


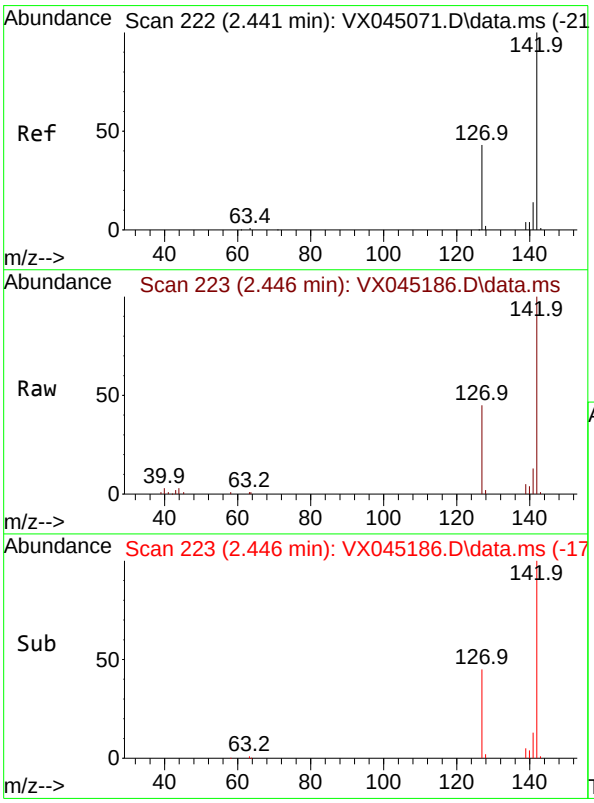
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.351 ug/l
RT: 2.318 min Scan# 2(
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:101 Resp: 24695

Ion	Ratio	Lower	Upper
101	100		
85	46.0	36.2	54.4
151	72.4	56.4	84.6

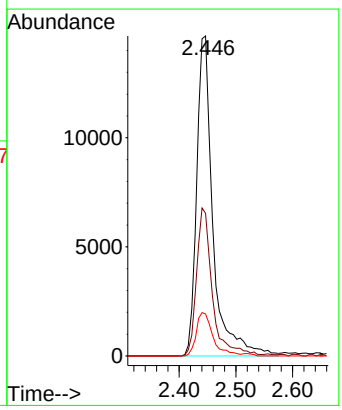


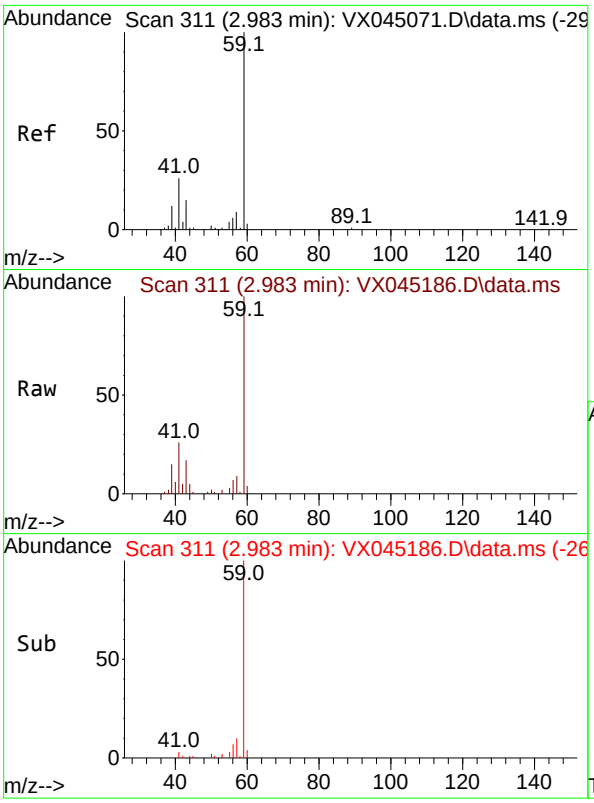


#10
Methyl Iodide
Concen: 19.288 ug/l
RT: 2.446 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:142 Resp: 29249

Ion	Ratio	Lower	Upper
142	100		
127	44.9	35.4	53.2
141	13.9	11.6	17.4



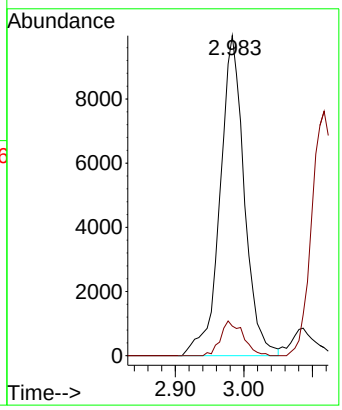


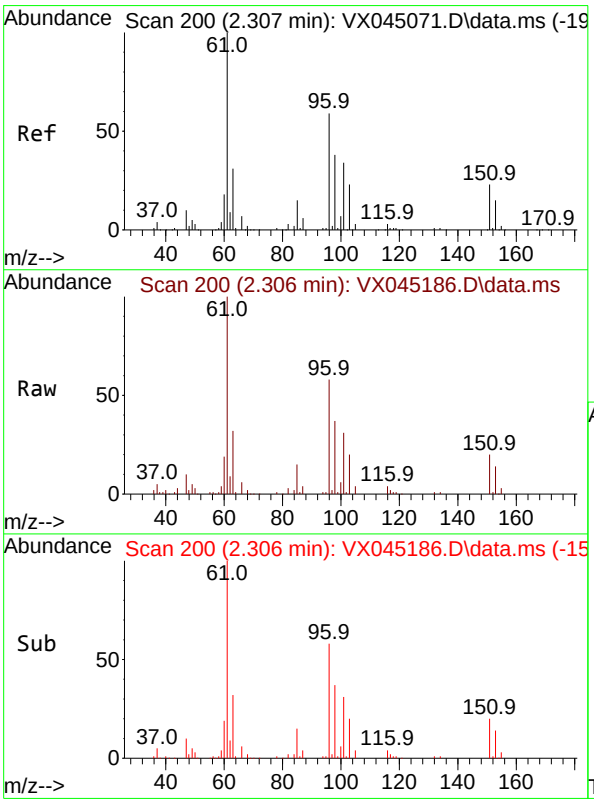
#11
Tert butyl alcohol
Concen: 77.946 ug/l
RT: 2.983 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 59 Resp: 24519

Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.8	11.8

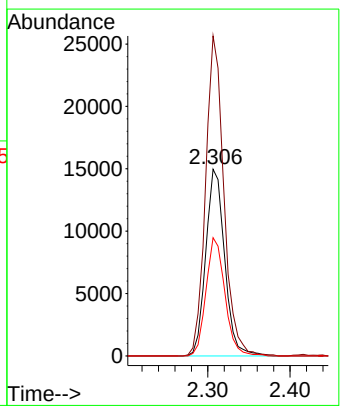


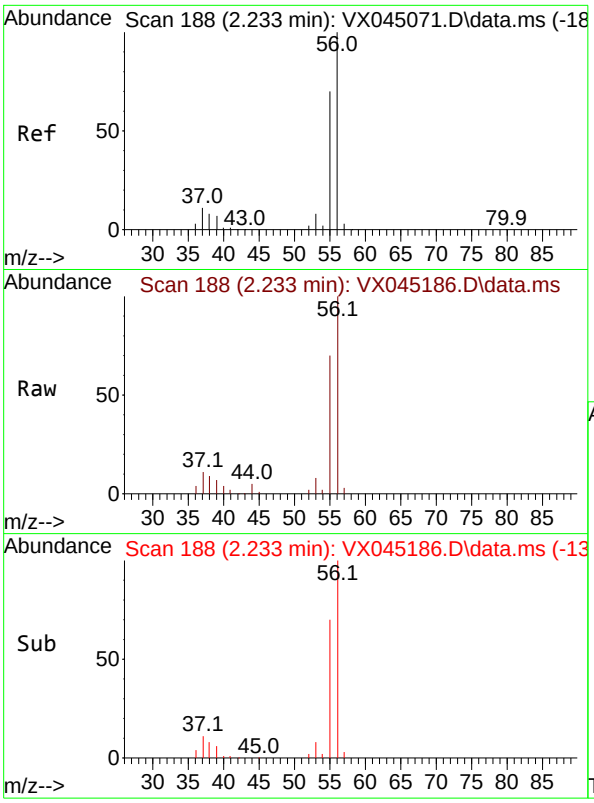


#12
1,1-Dichloroethene
Concen: 18.665 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 96 Resp: 23946

Ion	Ratio	Lower	Upper
96	100		
61	171.3	134.6	202.0
98	63.3	51.0	76.6



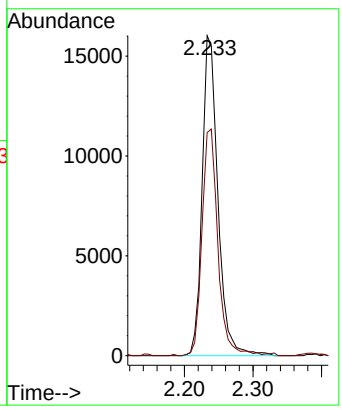


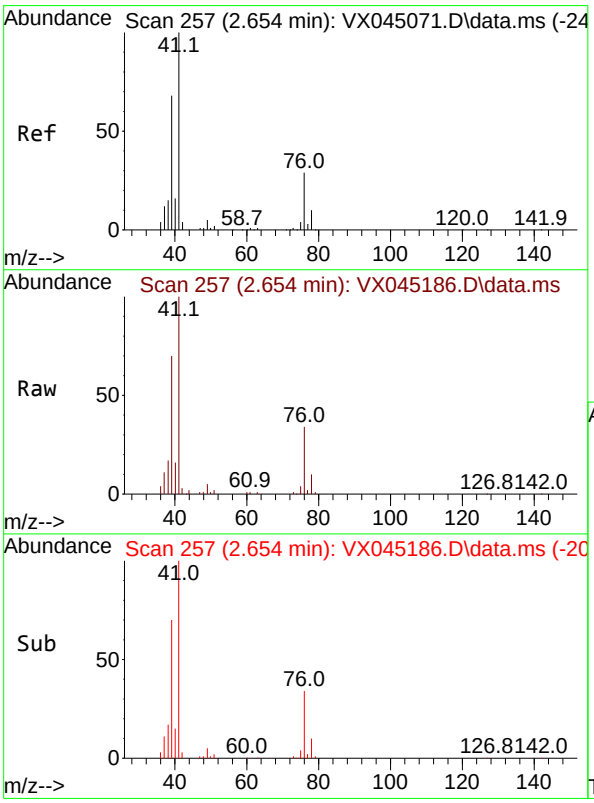
#13
Acrolein
Concen: 70.542 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 56 Resp: 25651

Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.4

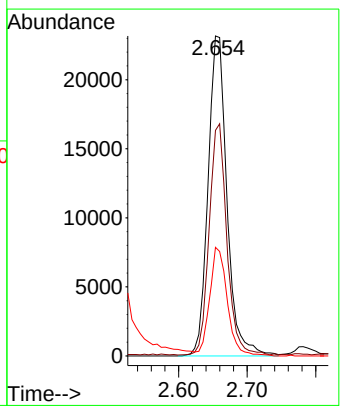


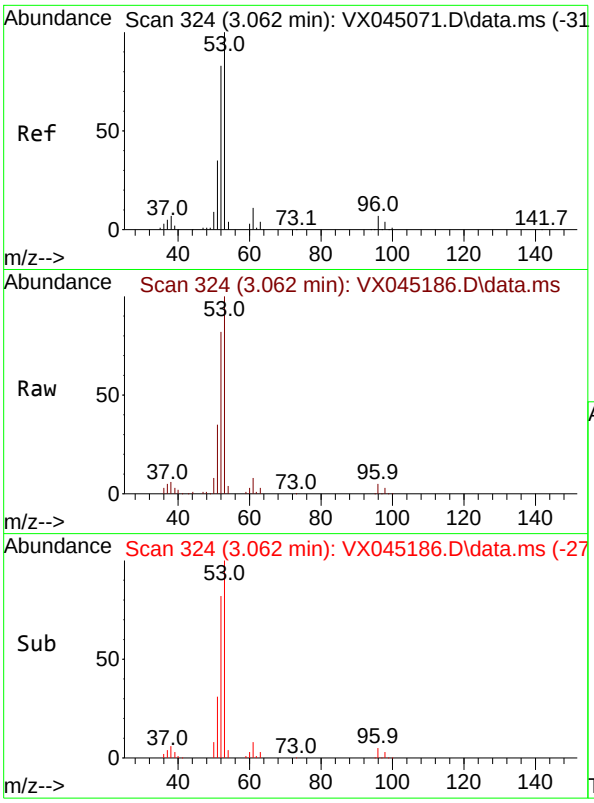


#14
Allyl chloride
Concen: 19.535 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 41 Resp: 44610

Ion	Ratio	Lower	Upper
41	100		
39	67.2	53.8	80.8
76	31.7	25.2	37.8



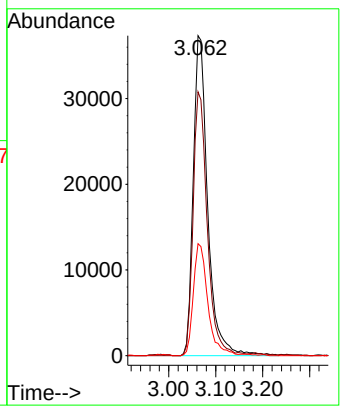


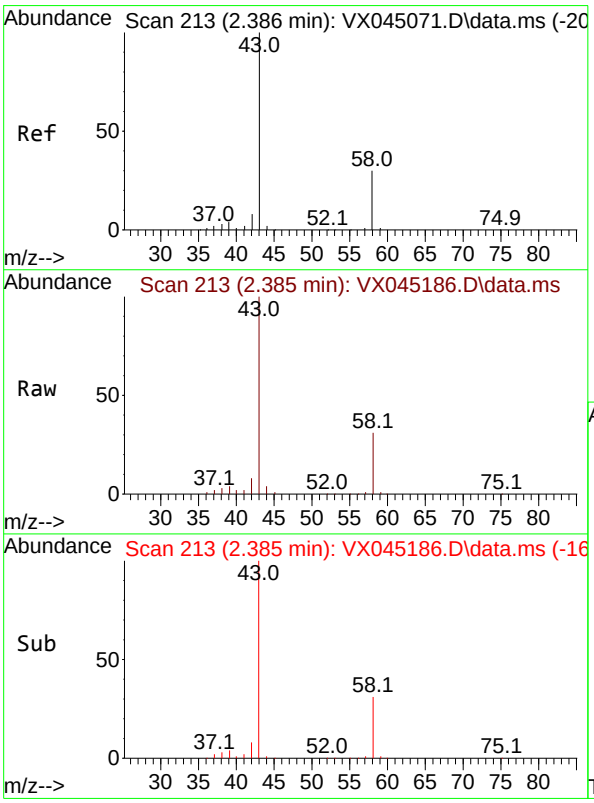
#15
Acrylonitrile
Concen: 94.962 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 53 Resp: 80059

Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.2	99.2
51	35.2	29.0	43.4

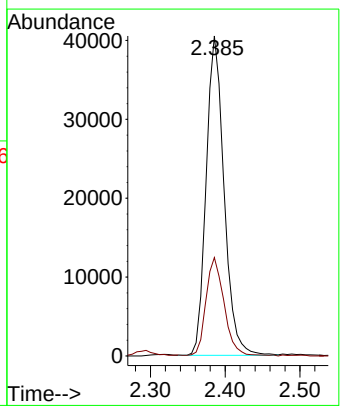


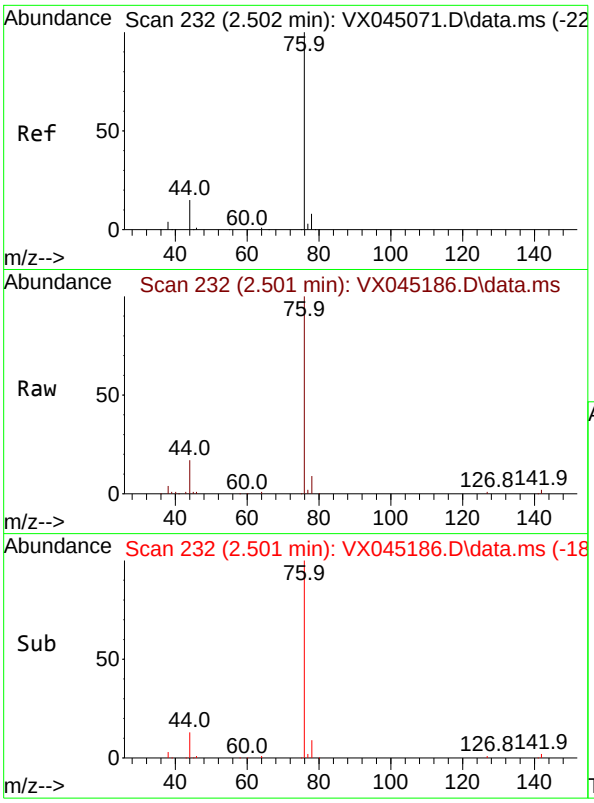


#16
Acetone
Concen: 87.425 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 43 Resp: 67362

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.2	36.4



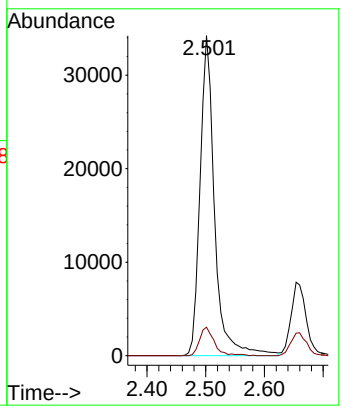


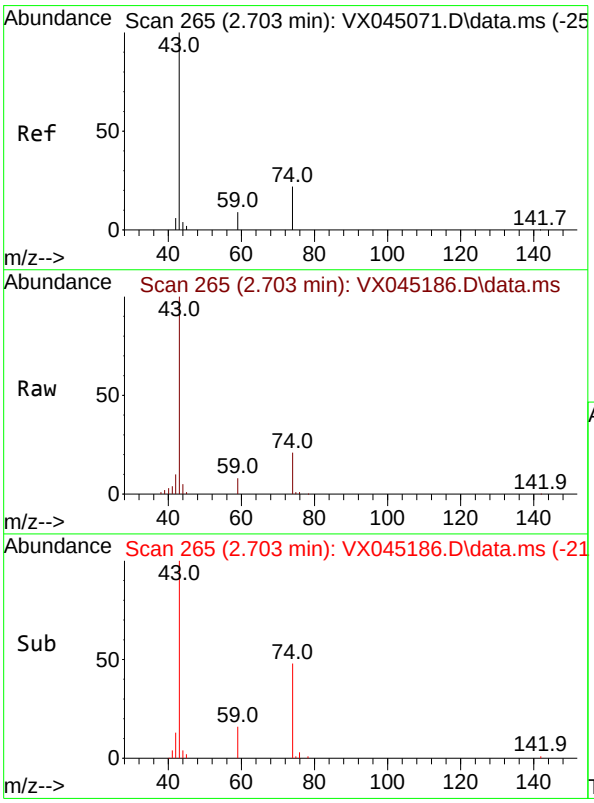
#17
Carbon Disulfide
Concen: 17.196 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 76 Resp: 58757

Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.6	9.8

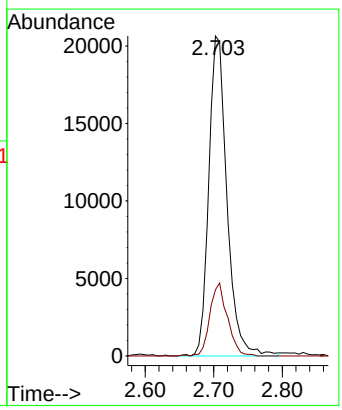


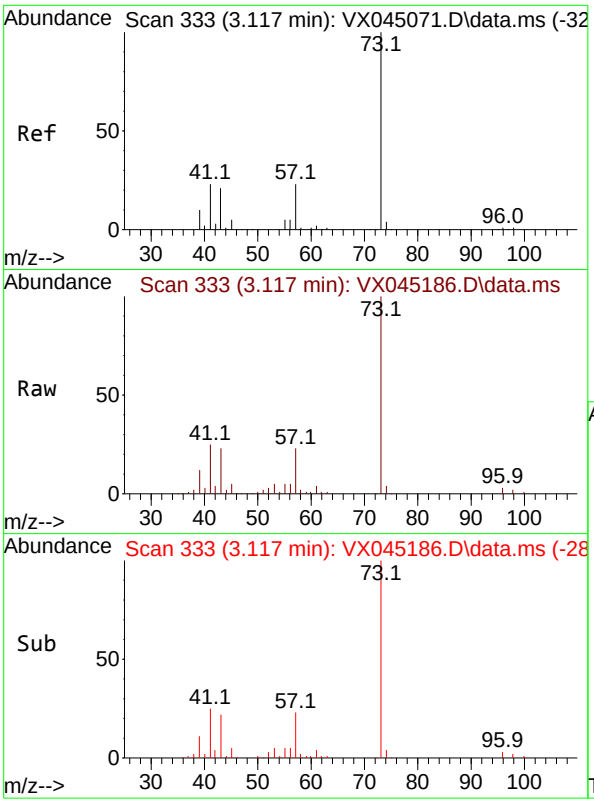


#18
Methyl Acetate
Concen: 20.528 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 43 Resp: 38051

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.4	26.2



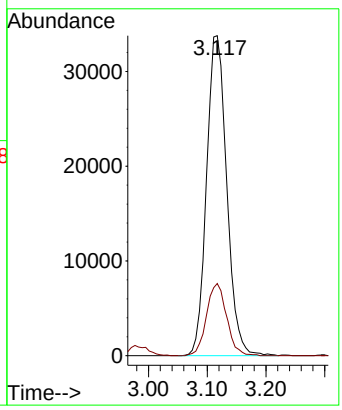


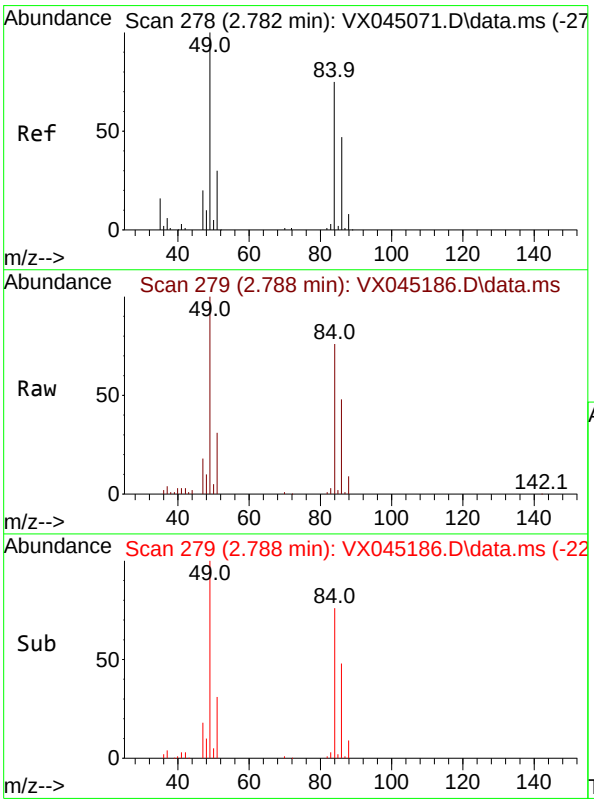
#19
Methyl tert-butyl Ether
Concen: 18.746 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 73 Resp: 80687

Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.5	27.7

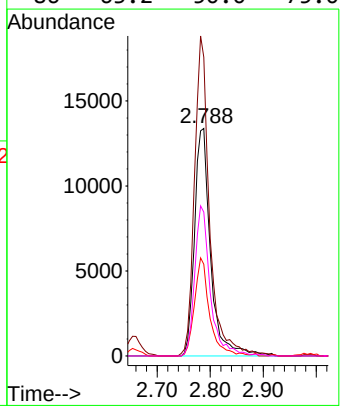


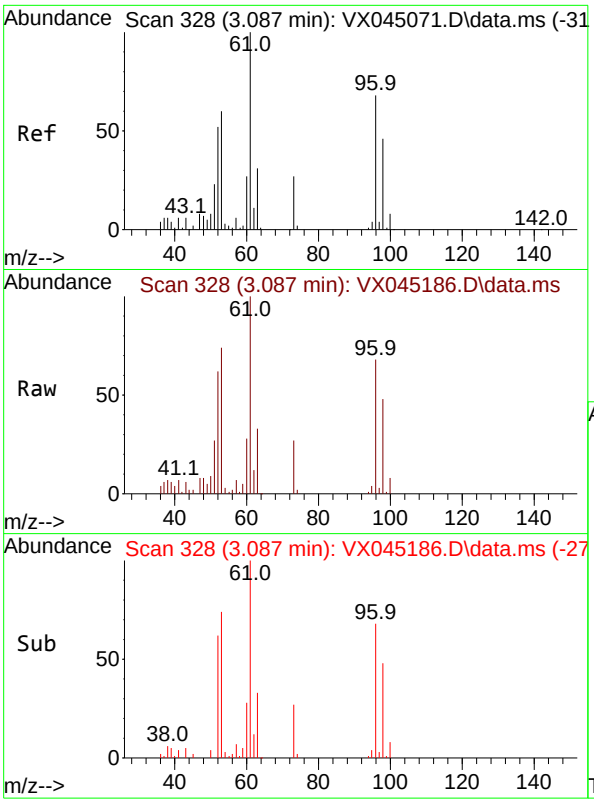


#20
Methylene Chloride
Concen: 18.491 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 84 Resp: 28222

Ion	Ratio	Lower	Upper
84	100		
49	131.3	106.5	159.7
51	40.3	32.1	48.1
86	63.2	50.0	75.0



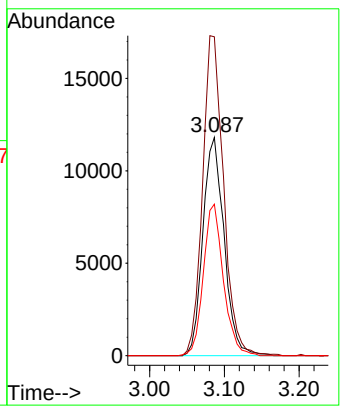


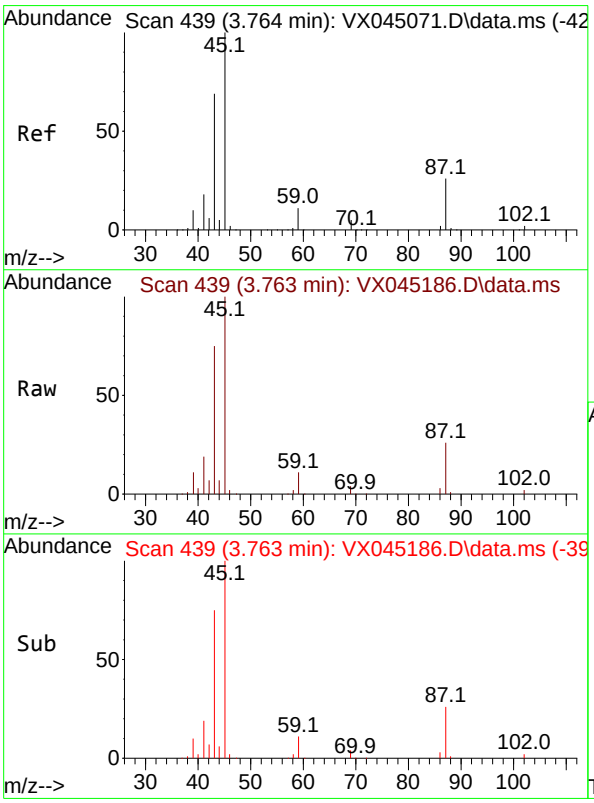
#21
trans-1,2-Dichloroethene
Concen: 18.375 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 96 Resp: 23289

Ion	Ratio	Lower	Upper
96	100		
61	146.1	117.0	175.4
98	69.4	53.4	80.2

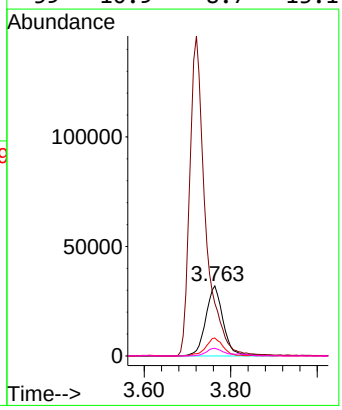


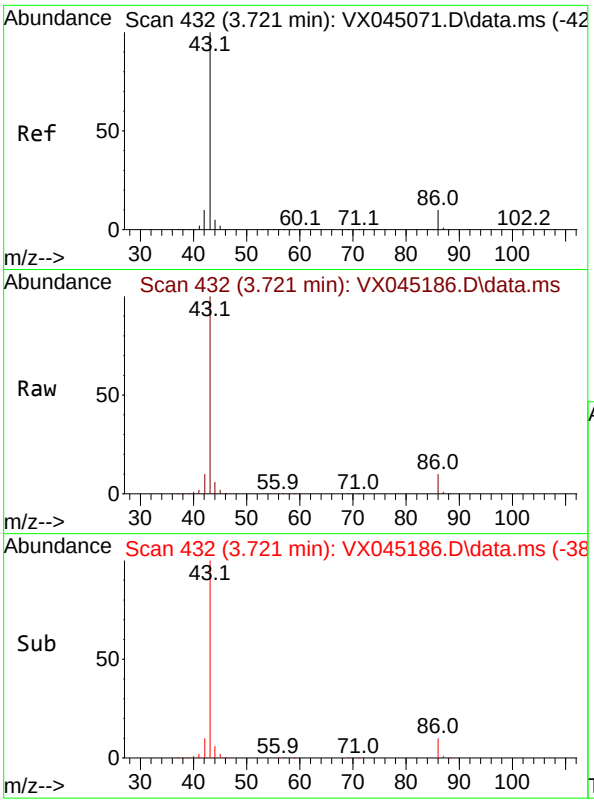


#22
Diisopropyl ether
Concen: 19.275 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 45 Resp: 89520

Ion	Ratio	Lower	Upper
45	100		
43	74.5	54.9	82.3
87	25.6	21.0	31.4
59	10.9	8.7	13.1



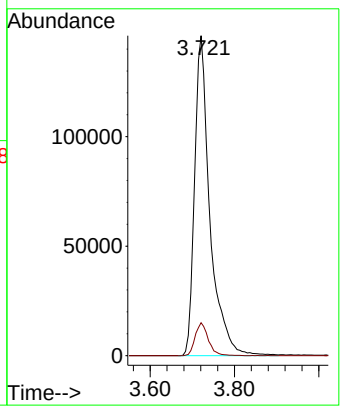


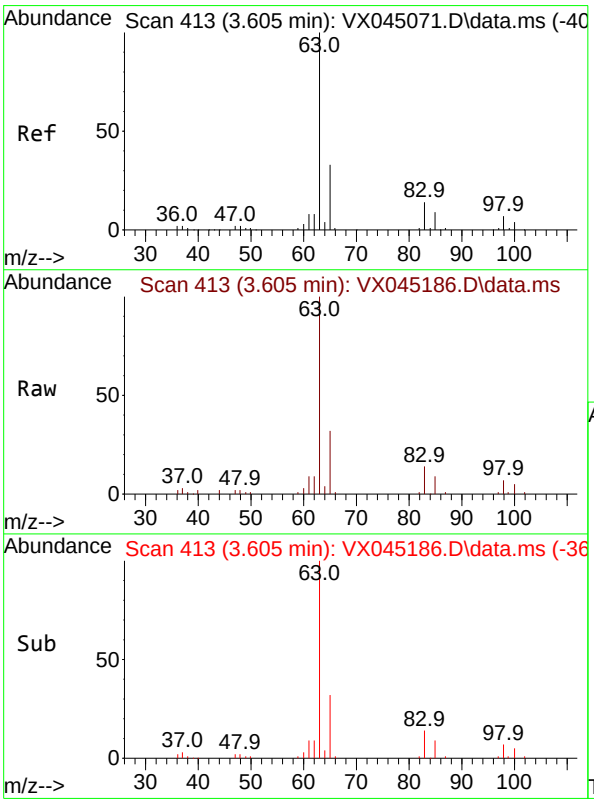
#23
Vinyl Acetate
Concen: 95.441 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 43 Resp: 369903

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.1	12.1

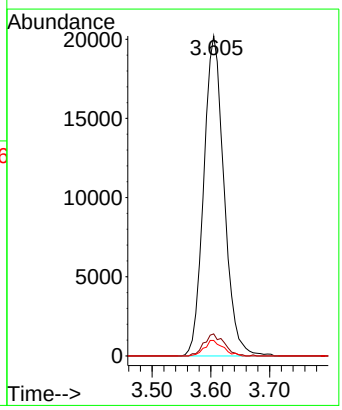


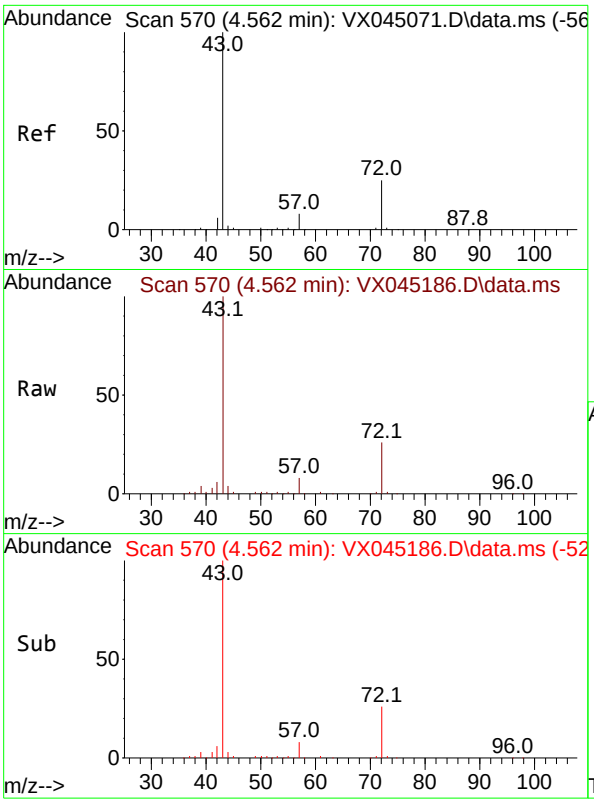


#24
1,1-Dichloroethane
Concen: 18.651 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 63 Resp: 48546

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.2
100	4.9	2.1	6.5



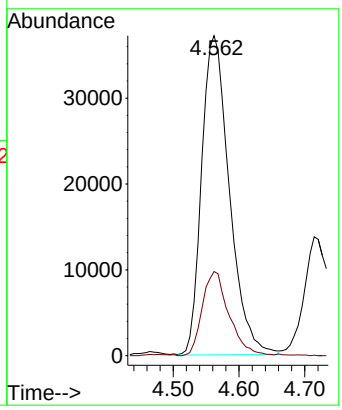


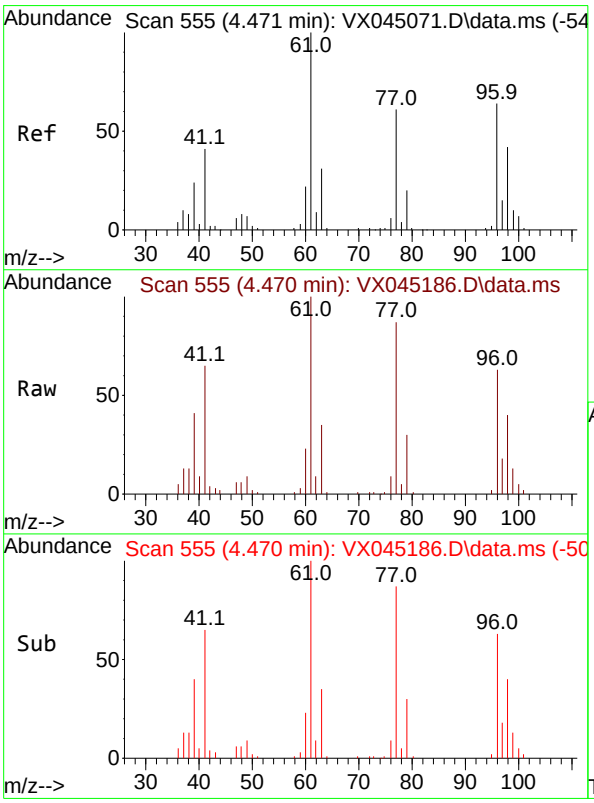
#25
2-Butanone
Concen: 94.181 ug/l
RT: 4.562 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 43 Resp: 109232

Ion	Ratio	Lower	Upper
43	100		
72	26.4	20.0	30.0

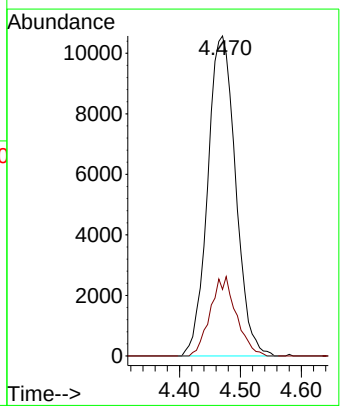


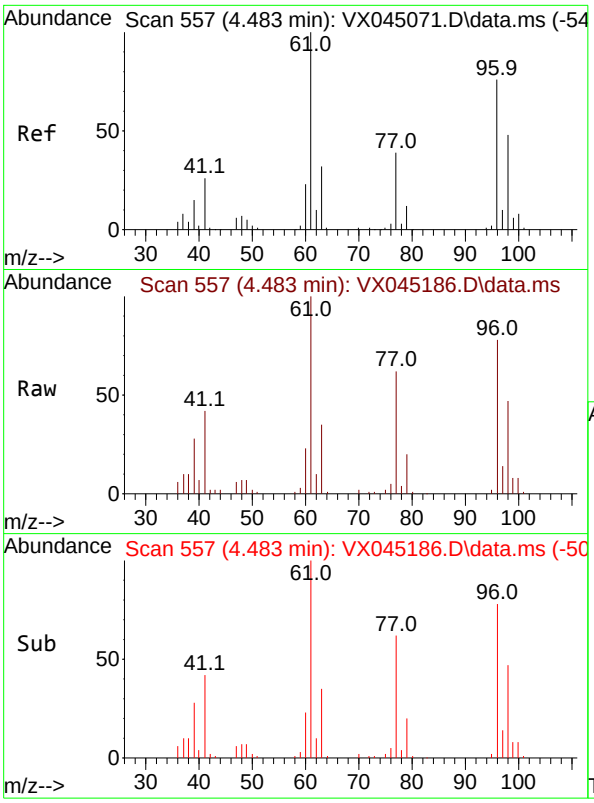


#26
2,2-Dichloropropane
Concen: 27.560 ug/l
RT: 4.470 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 77 Resp: 33647

Ion	Ratio	Lower	Upper
77	100		
97	23.0	12.4	37.0



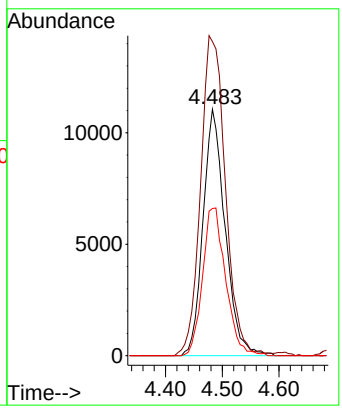


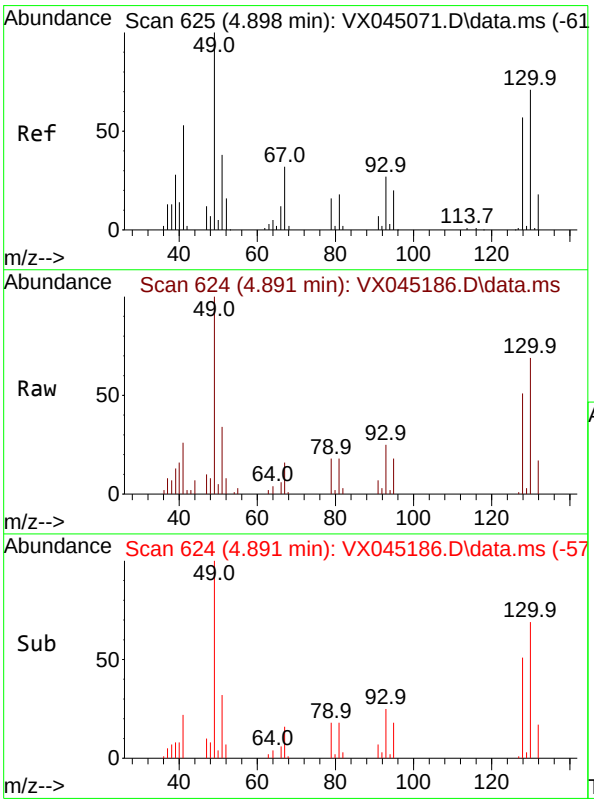
#27
cis-1,2-Dichloroethene
Concen: 19.098 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 96 Resp: 29880

Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	283.2
98	62.7	0.0	128.0

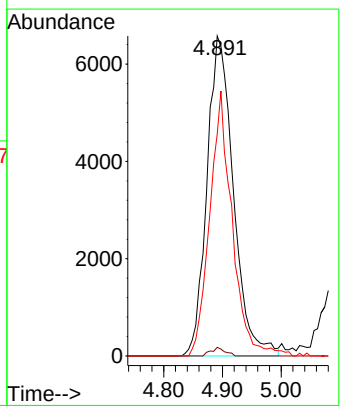


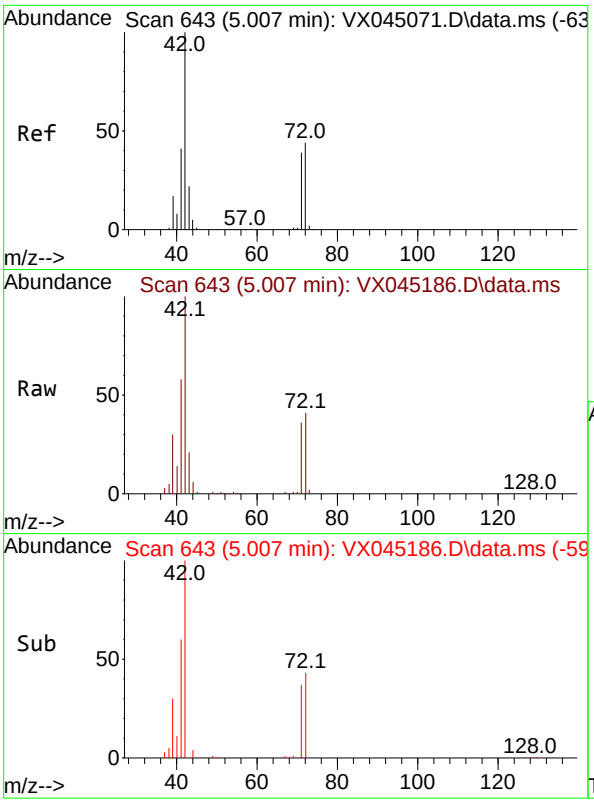


#28
Bromochloromethane
Concen: 16.596 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 49 Resp: 20590

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.4
130	70.2	56.1	84.1



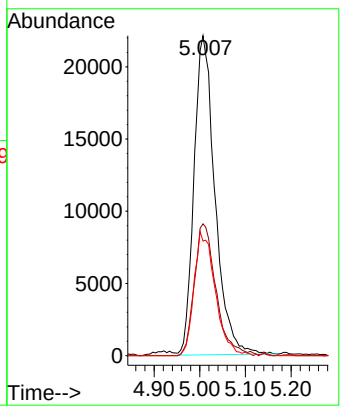


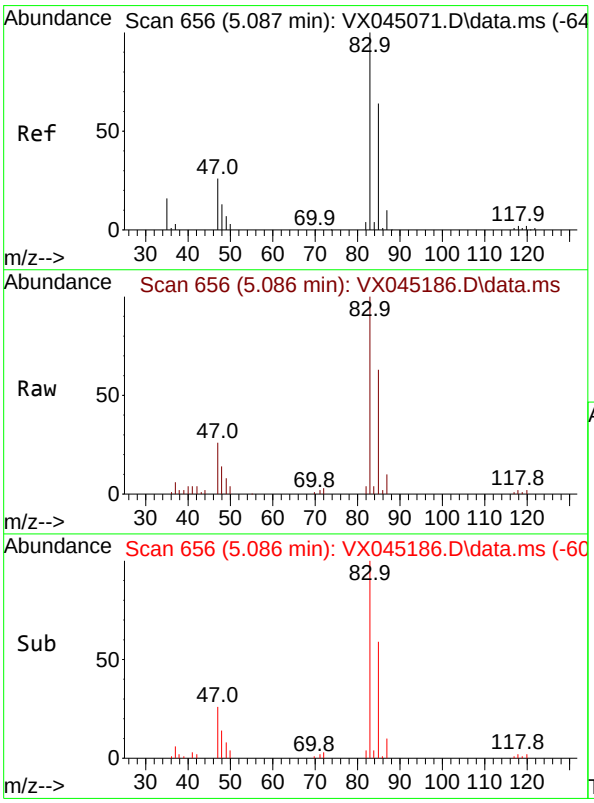
#29
Tetrahydrofuran
Concen: 90.555 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 42 Resp: 70531

Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.1	51.1
71	39.0	31.4	47.0

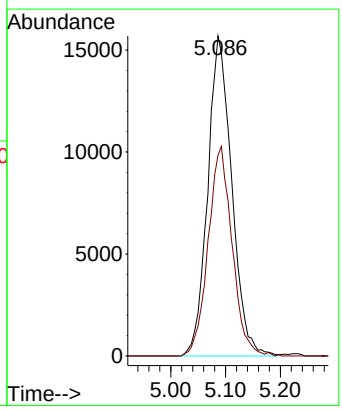


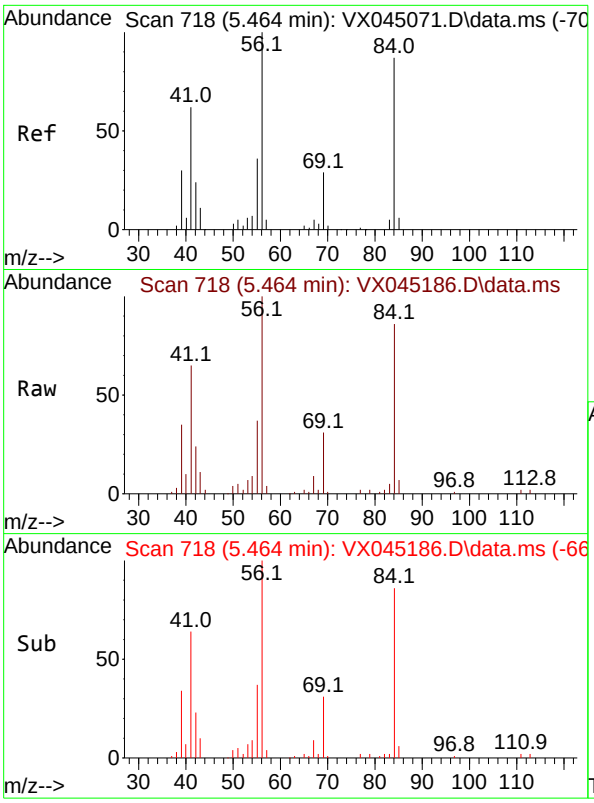


#30
Chloroform
Concen: 18.495 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 83 Resp: 47832

Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.4	77.2



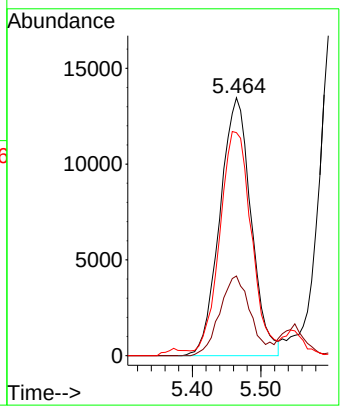


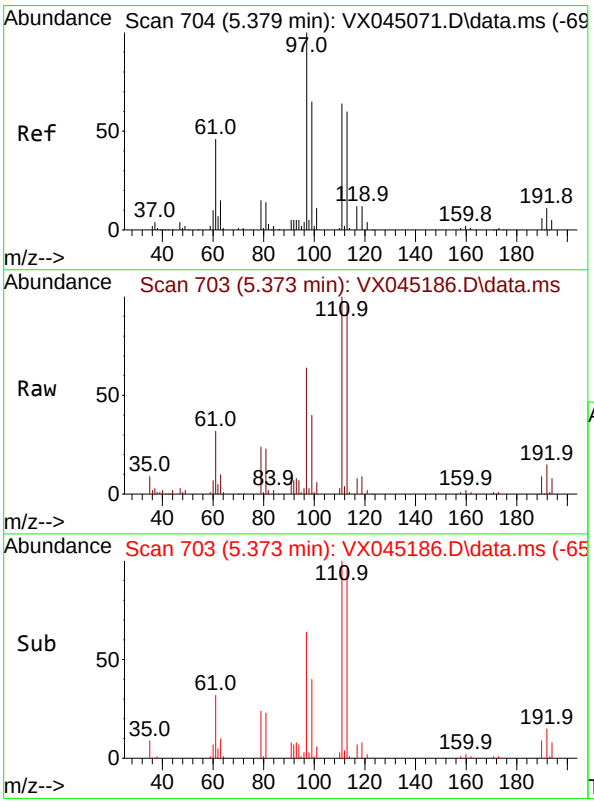
#31
Cyclohexane
Concen: 18.878 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 56 Resp: 42654

Ion	Ratio	Lower	Upper
56	100		
69	30.9	23.4	35.2
84	84.4	69.4	104.2

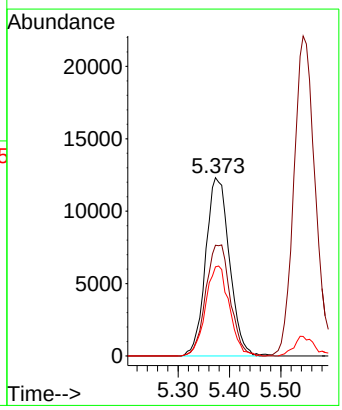


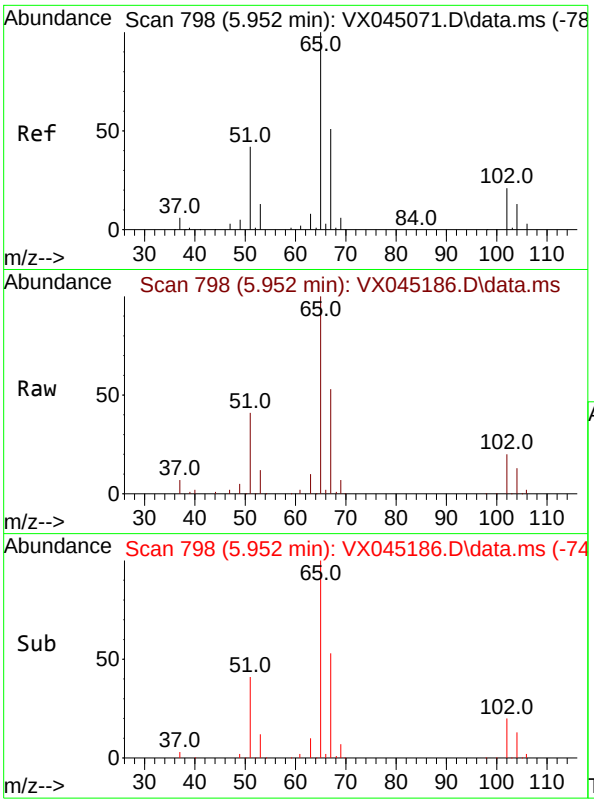


#32
1,1,1-Trichloroethane
Concen: 18.966 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 97 Resp: 39615

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	50.4	38.4	57.6



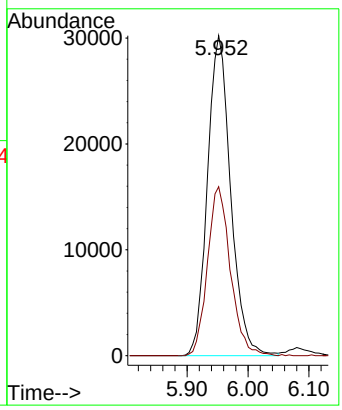


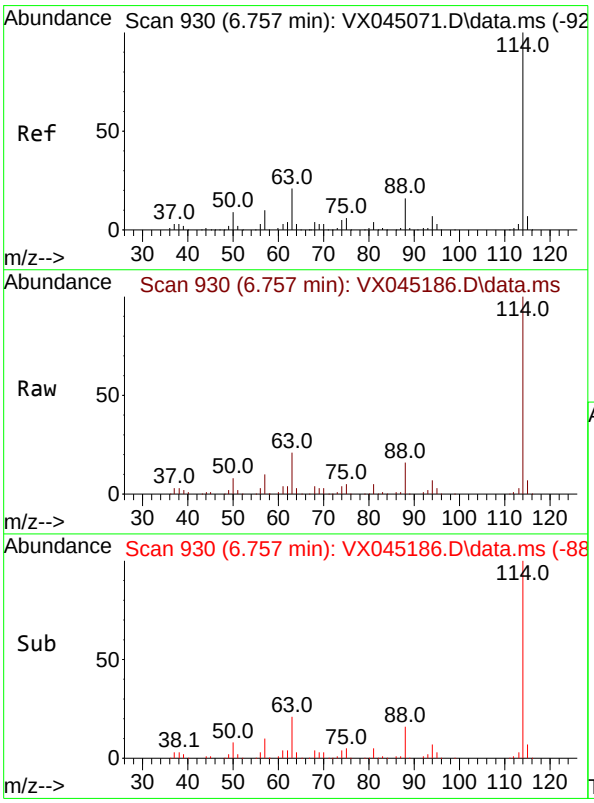
#33
1,2-Dichloroethane-d4
Concen: 48.135 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 65 Resp: 79937

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.2

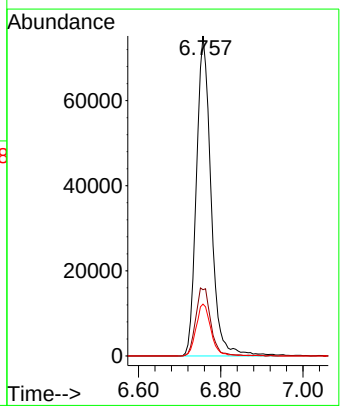


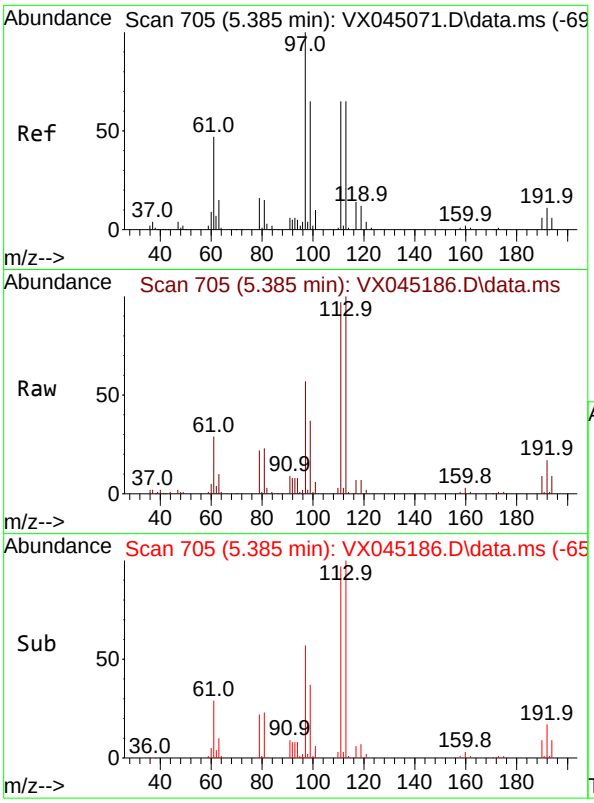


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:114 Resp: 186124

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	41.8
88	16.2	0.0	32.8



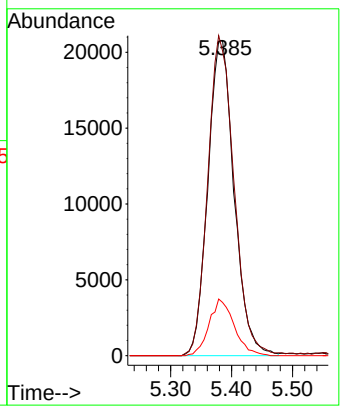


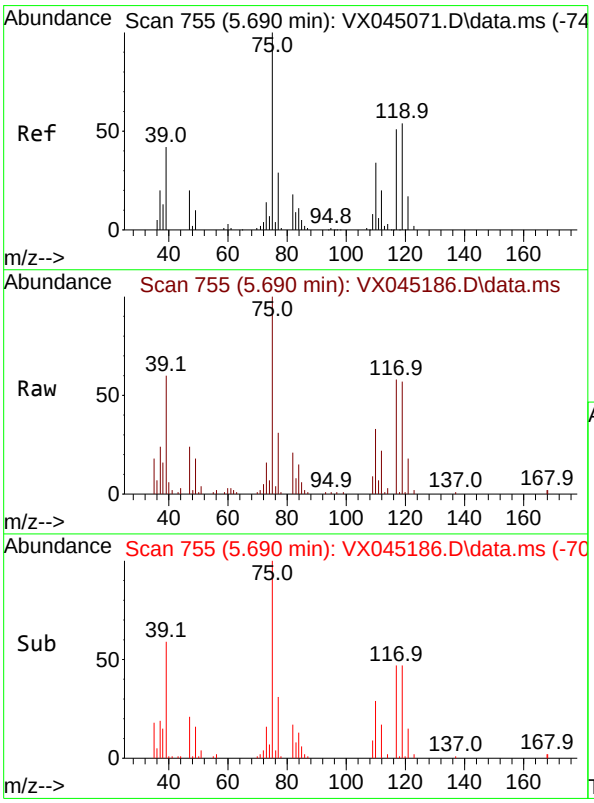
#35
Dibromofluoromethane
Concen: 49.834 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:113 Resp: 62021

Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.8	122.6
192	17.3	14.3	21.5

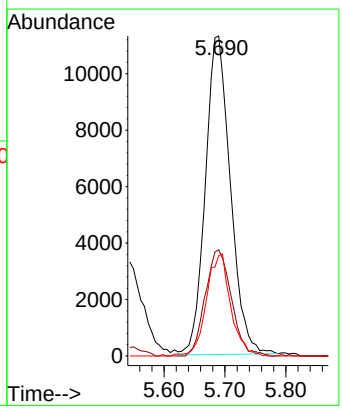


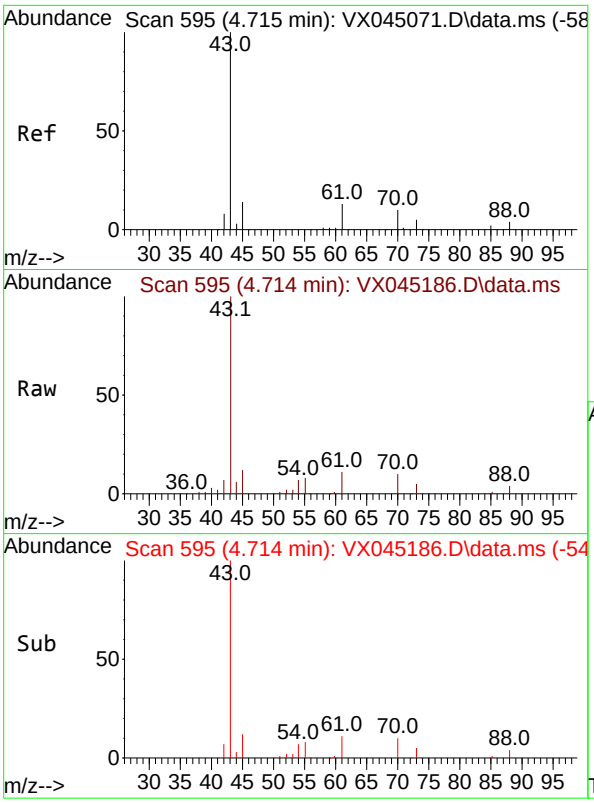


#36
1,1-Dichloropropene
Concen: 18.905 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 75 Resp: 32267

Ion	Ratio	Lower	Upper
75	100		
110	34.7	16.9	50.6
77	31.0	24.5	36.7



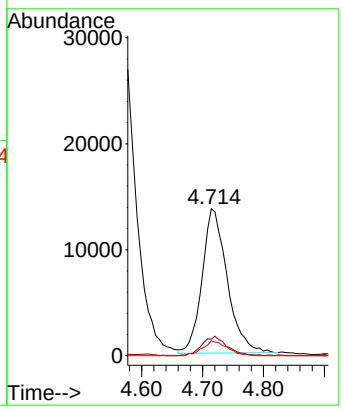


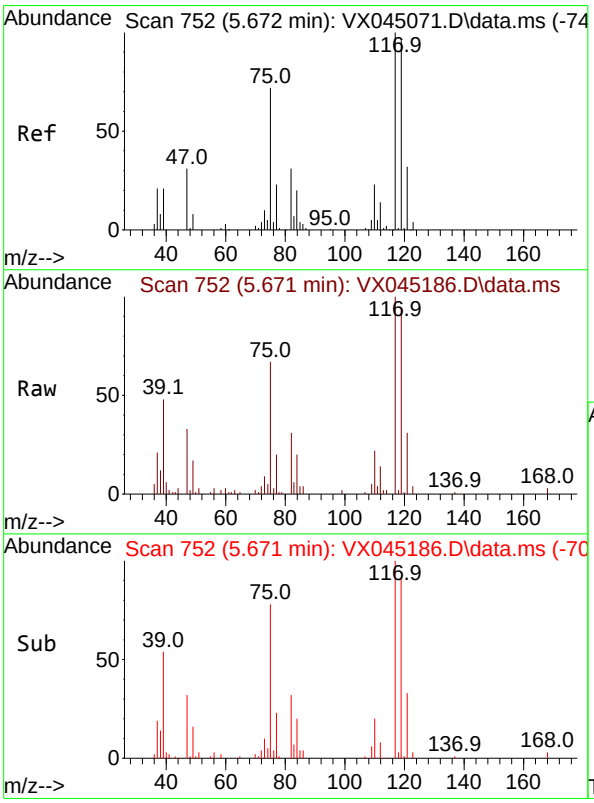
#37
Ethyl Acetate
Concen: 17.795 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 43 Resp: 39137

Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.8	16.2
70	9.8	7.7	11.5

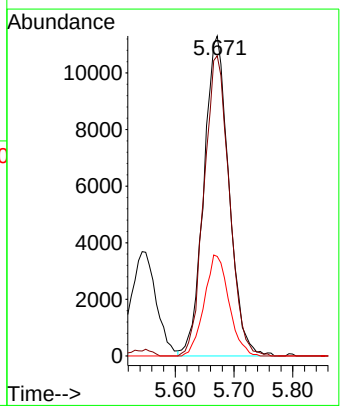


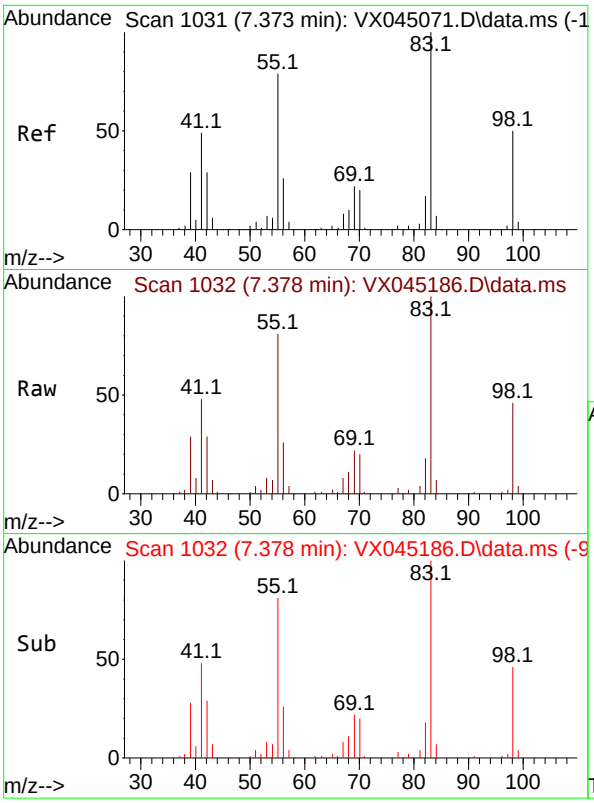


#38
Carbon Tetrachloride
Concen: 19.359 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:117 Resp: 33546

Ion	Ratio	Lower	Upper
117	100		
119	93.8	76.7	115.1
121	31.1	25.5	38.3



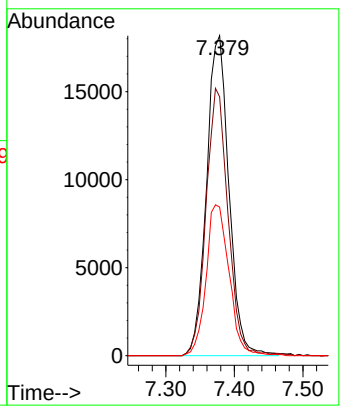


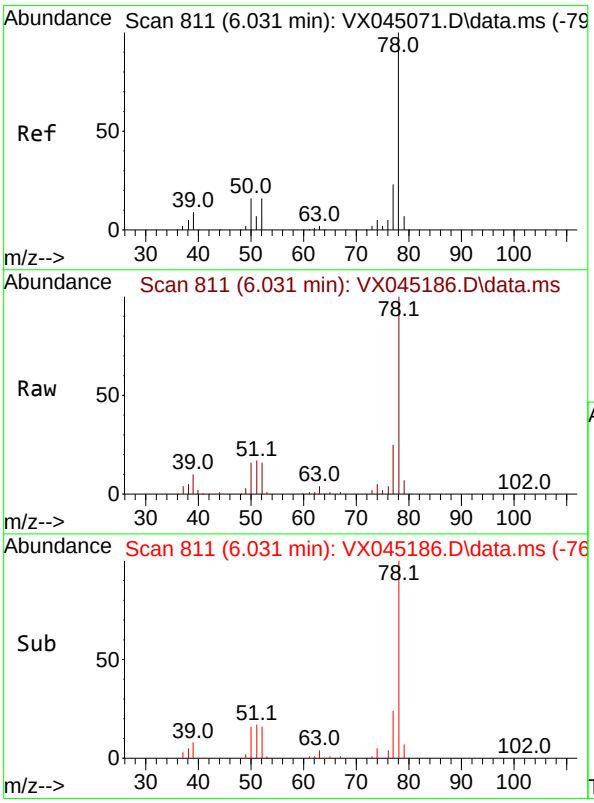
#39
Methylcyclohexane
Concen: 20.187 ug/l
RT: 7.378 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 83 Resp: 41286

Ion	Ratio	Lower	Upper
83	100		
55	80.9	63.0	94.4
98	46.4	39.7	59.5

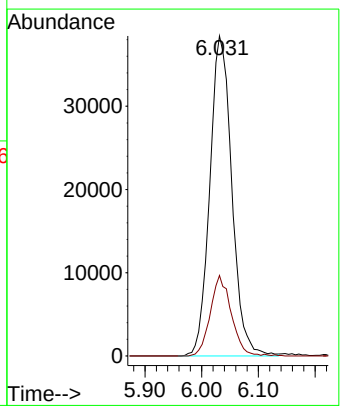


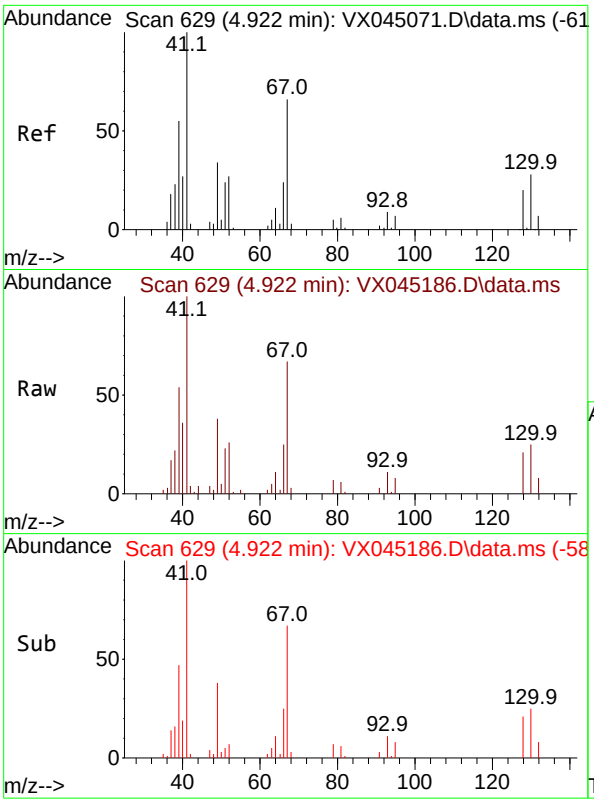


#40
Benzene
Concen: 19.249 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 78 Resp: 103744

Ion	Ratio	Lower	Upper
78	100		
77	25.2	18.8	28.2



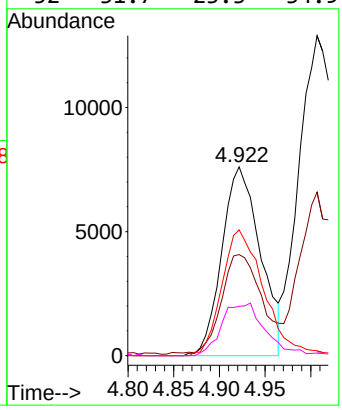


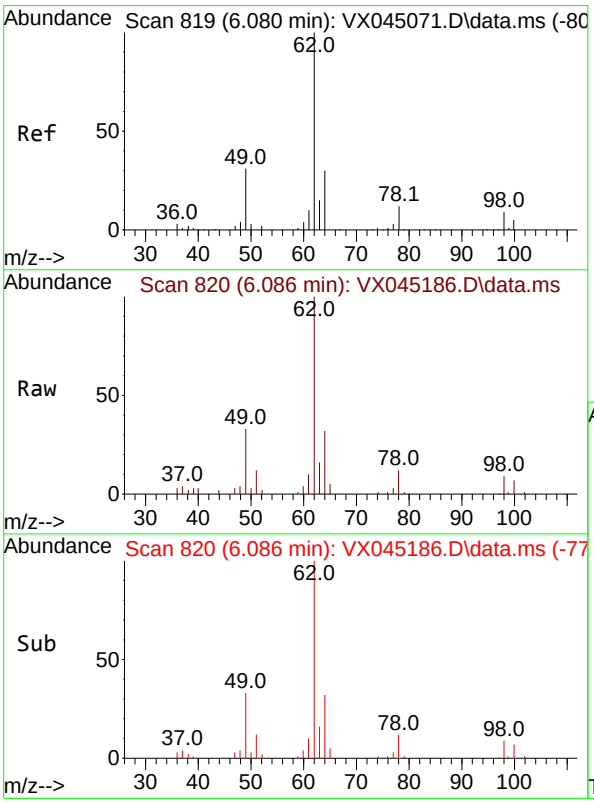
#41
Methacrylonitrile
Concen: 18.755 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 41 Resp: 22303

Ion	Ratio	Lower	Upper
41	100		
39	55.4	44.6	67.0
67	73.1	53.9	80.9
52	31.7	23.3	34.9

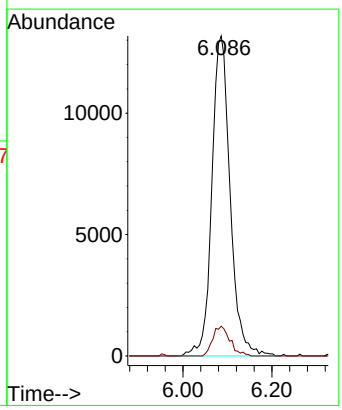


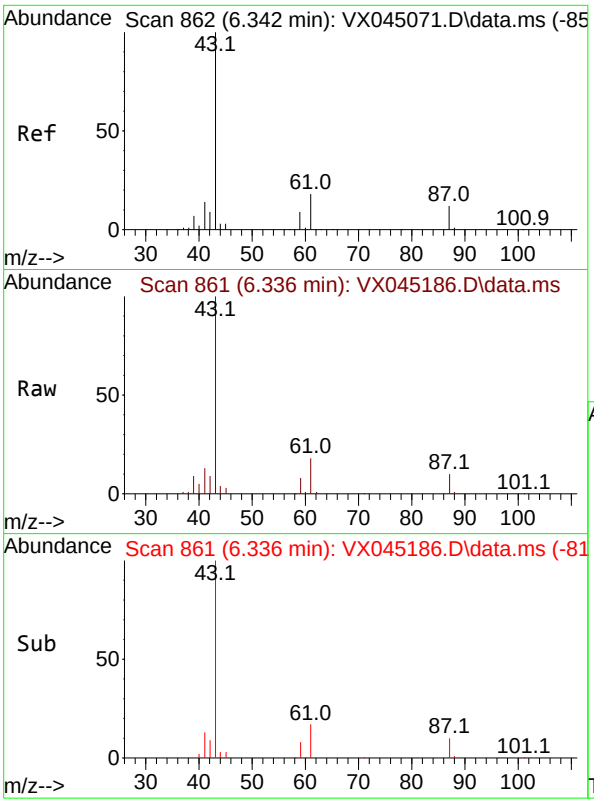


#42
1,2-Dichloroethane
Concen: 19.362 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 62 Resp: 37579

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



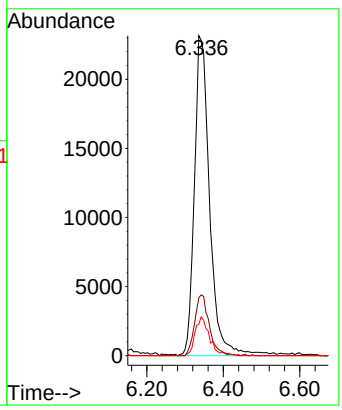


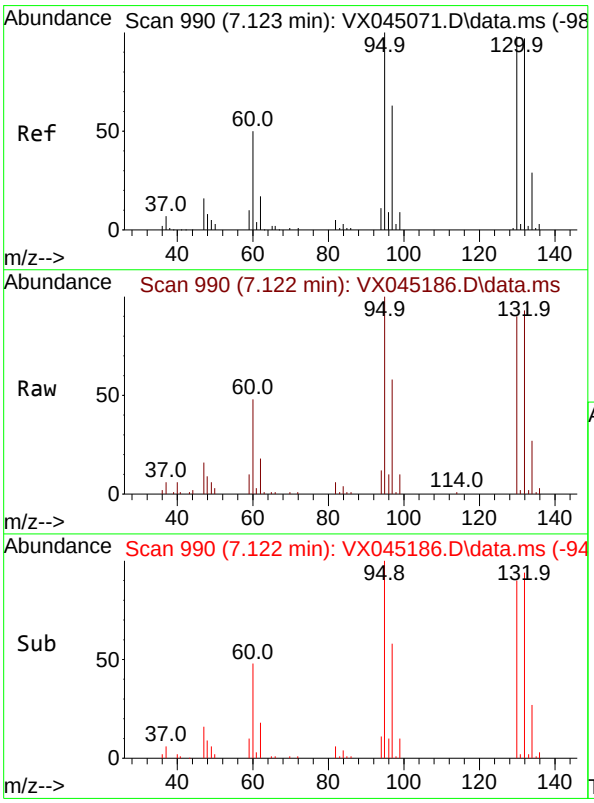
#43
Isopropyl Acetate
Concen: 19.718 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 43 Resp: 64125

Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.9	22.3
87	11.2	9.4	14.2

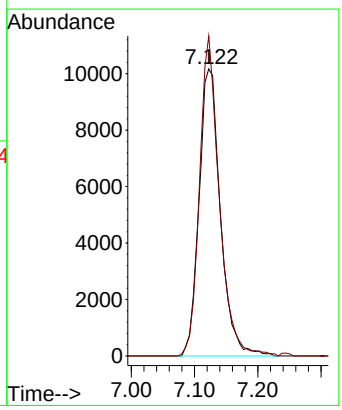


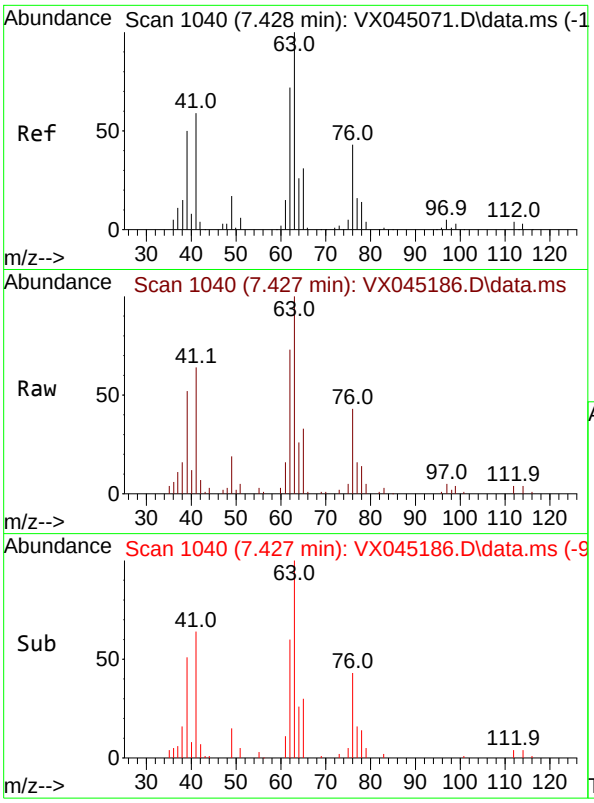


#44
Trichloroethene
Concen: 18.942 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:130 Resp: 23972

Ion	Ratio	Lower	Upper
130	100		
95	111.5	0.0	205.0



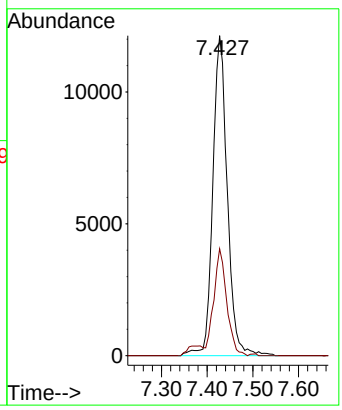


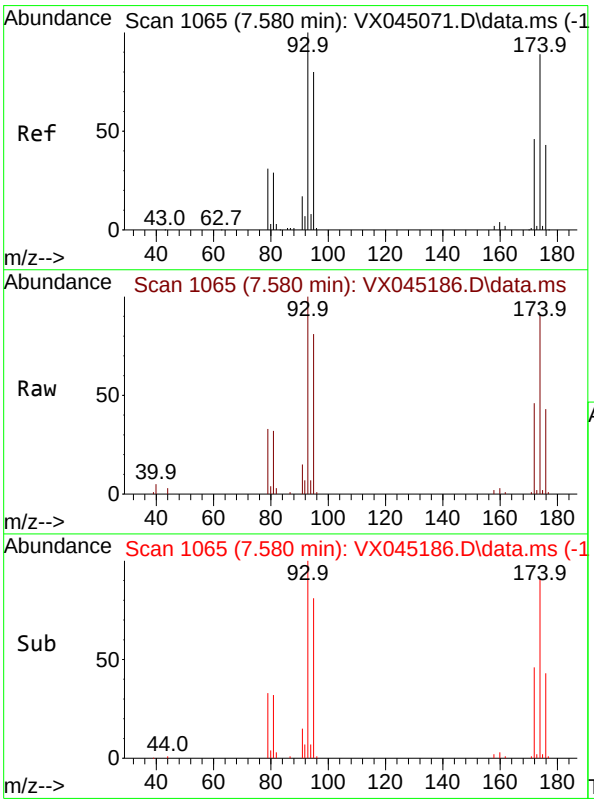
#45
1,2-Dichloropropane
Concen: 19.281 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 63 Resp: 26718

Ion	Ratio	Lower	Upper
63	100		
65	33.4	24.7	37.1

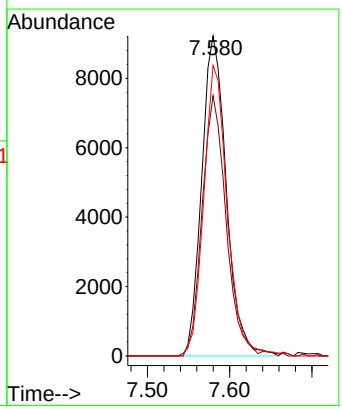


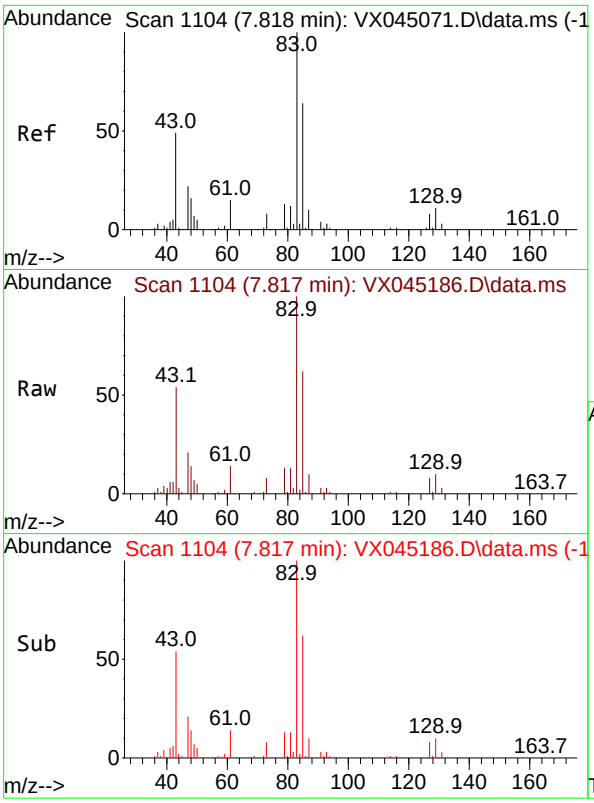


#46
Dibromomethane
Concen: 19.557 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 93 Resp: 19155

Ion	Ratio	Lower	Upper
93	100		
95	79.6	65.8	98.8
174	87.2	72.2	108.2



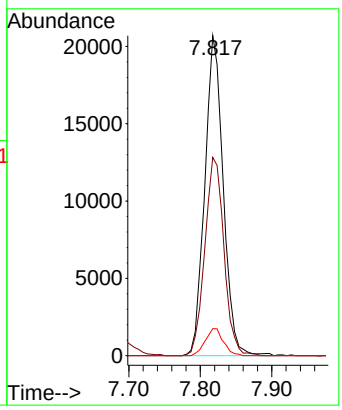


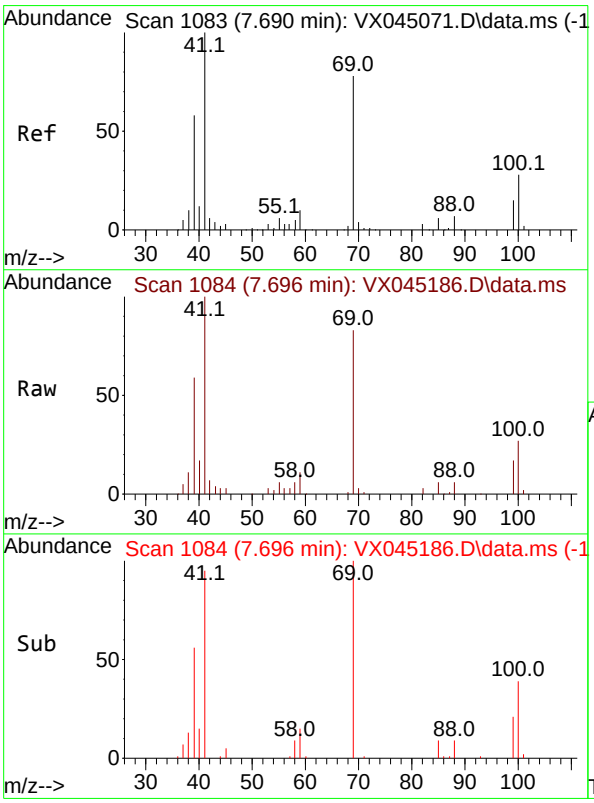
#47
Bromodichloromethane
Concen: 19.311 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 83 Resp: 37100

Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.1	76.7
127	8.5	6.4	9.6

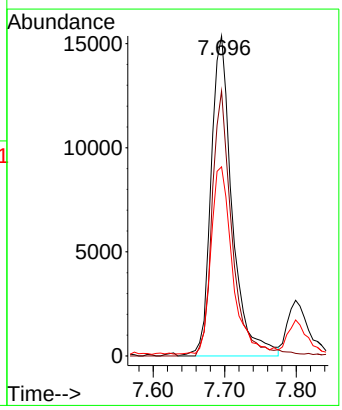


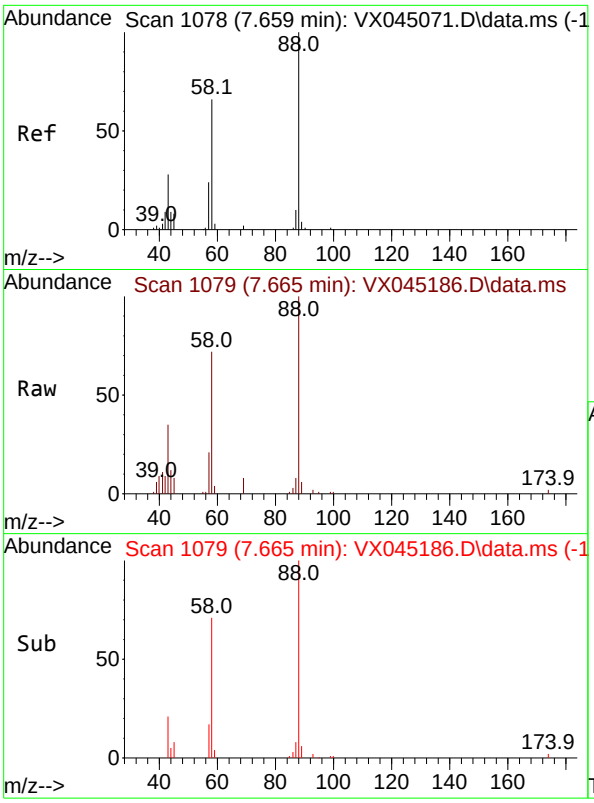


#48
Methyl methacrylate
Concen: 19.329 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 41 Resp: 31537

Ion	Ratio	Lower	Upper
41	100		
69	78.5	63.0	94.6
39	59.3	47.5	71.3



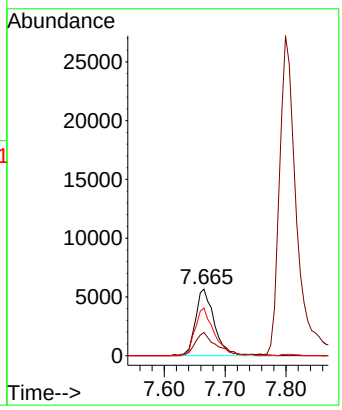


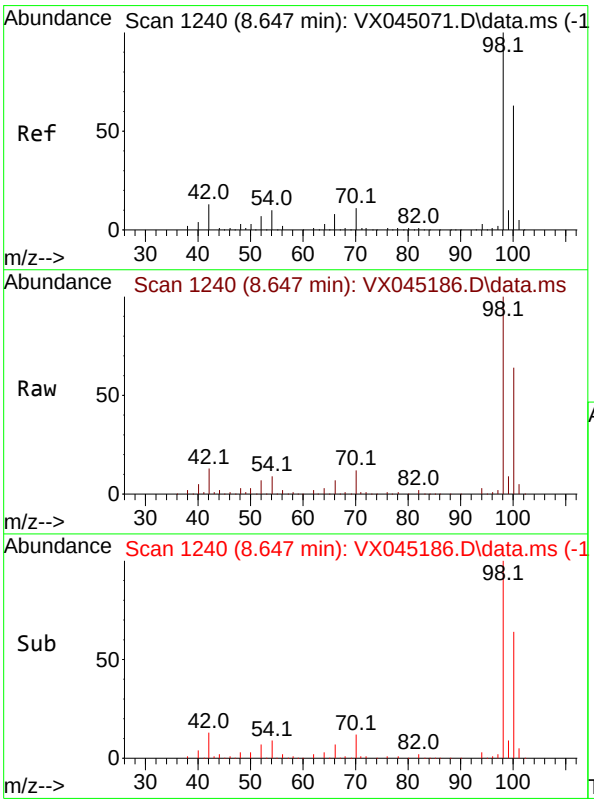
#49
1,4-Dioxane
Concen: 354.221 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 88 Resp: 12191

Ion	Ratio	Lower	Upper
88	100		
43	38.8	28.7	43.1
58	71.8	55.8	83.8

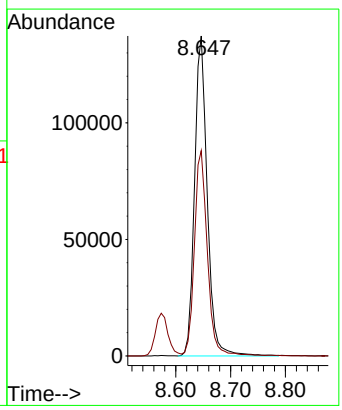


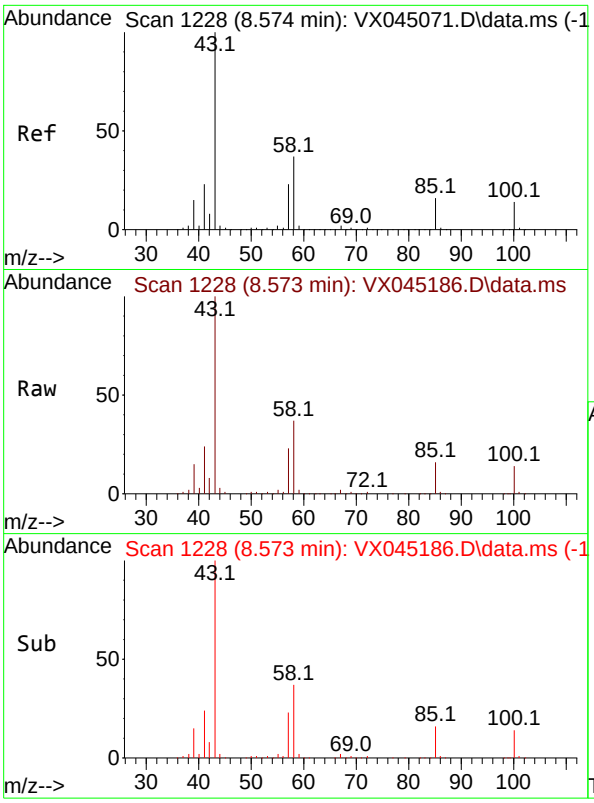


#50
Toluene-d8
Concen: 49.159 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 98 Resp: 221802

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0



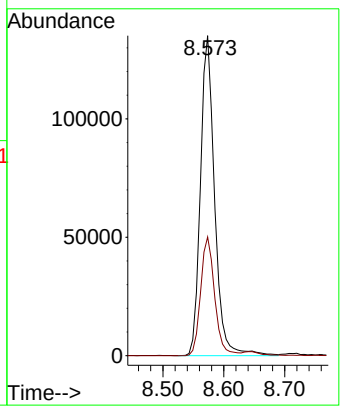


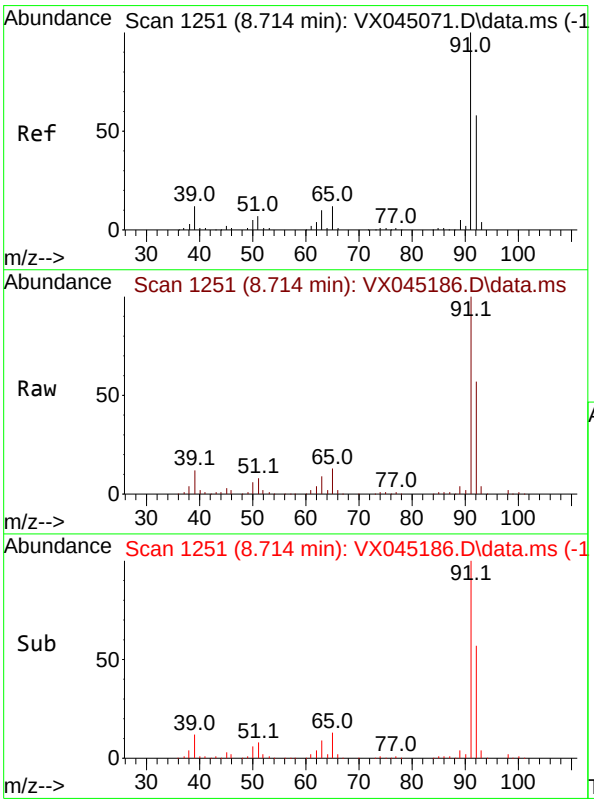
#51
4-Methyl-2-Pentanone
Concen: 100.457 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 43 Resp: 219362

Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.2	43.8

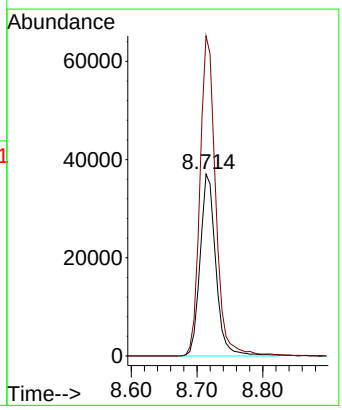


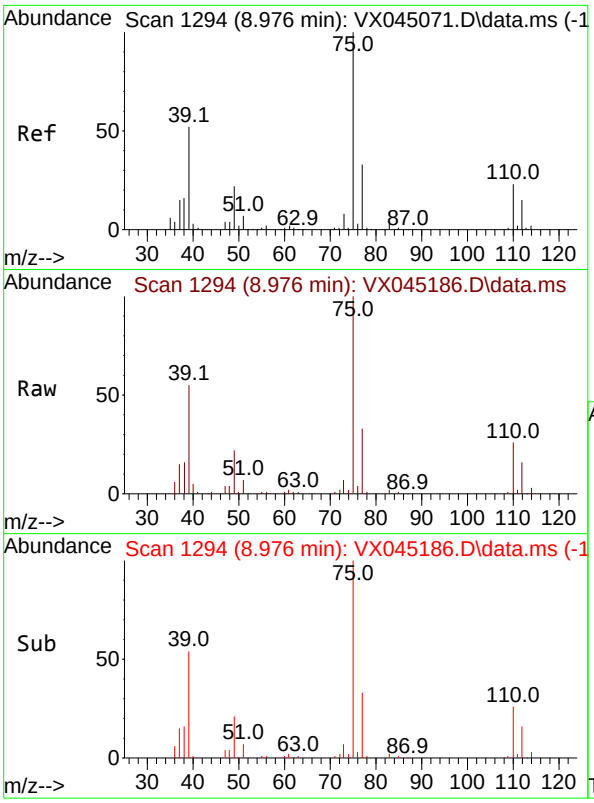


#52
Toluene
Concen: 19.431 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 92 Resp: 61445

Ion	Ratio	Lower	Upper
92	100		
91	176.9	138.9	208.3



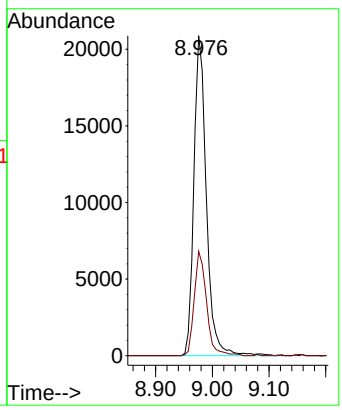


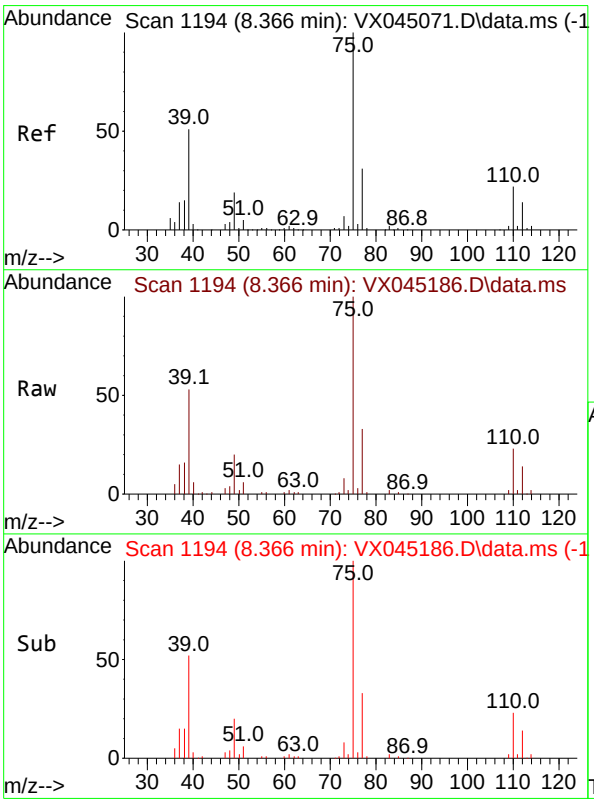
#53
t-1,3-Dichloropropene
Concen: 19.858 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 75 Resp: 31894

Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.5	39.7

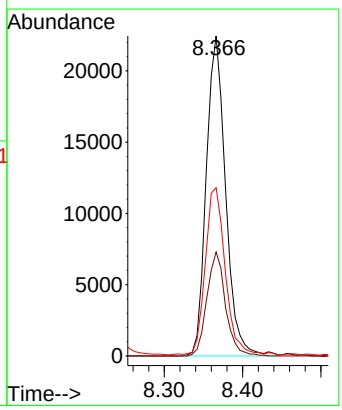


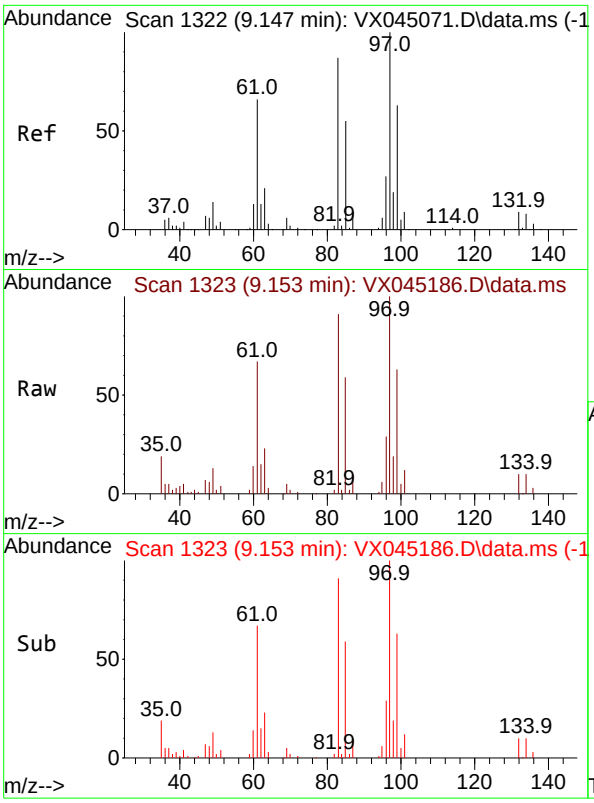


#54
cis-1,3-Dichloropropene
Concen: 20.549 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 75 Resp: 38485

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.7	37.1
39	52.1	40.7	61.1



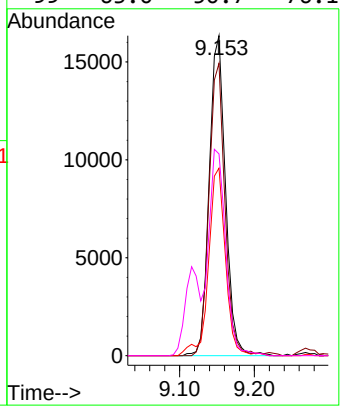


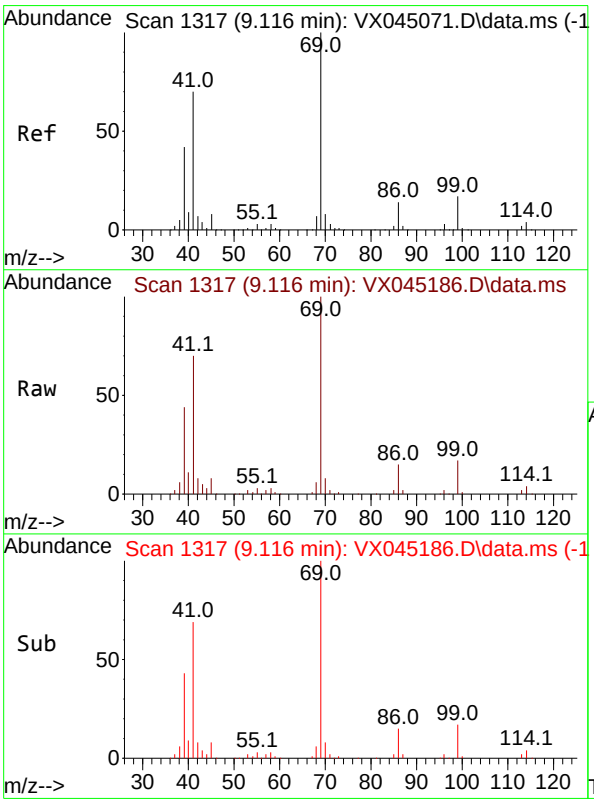
#55
1,1,2-Trichloroethane
Concen: 19.003 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 97 Resp: 24738

Ion	Ratio	Lower	Upper
97	100		
83	91.3	69.4	104.2
85	58.6	44.1	66.1
99	63.0	50.7	76.1

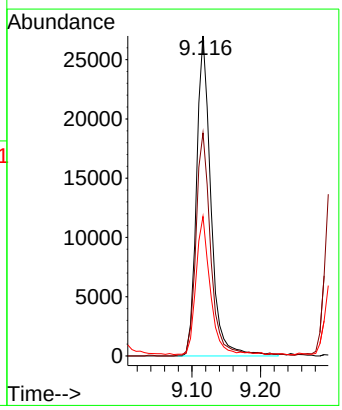


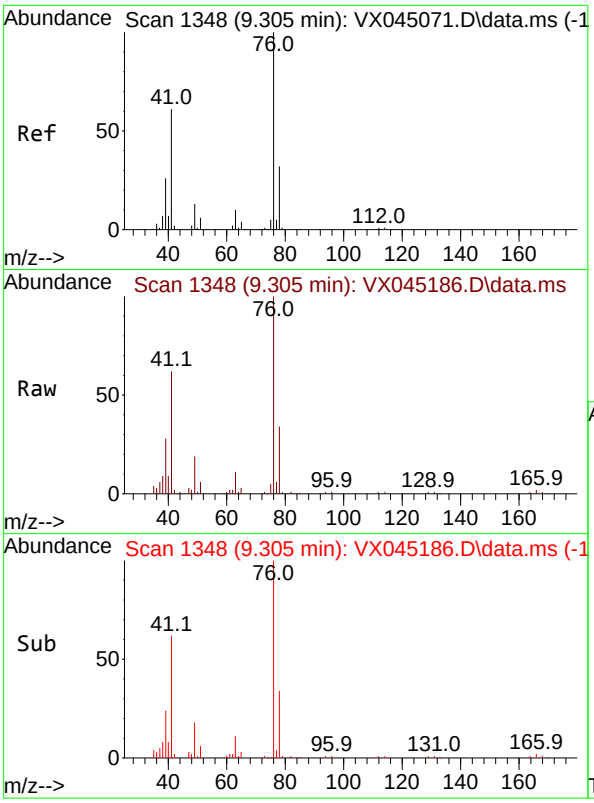


#56
Ethyl methacrylate
Concen: 19.949 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 69 Resp: 39475

Ion	Ratio	Lower	Upper
69	100		
41	72.0	57.0	85.4
39	44.7	34.2	51.4



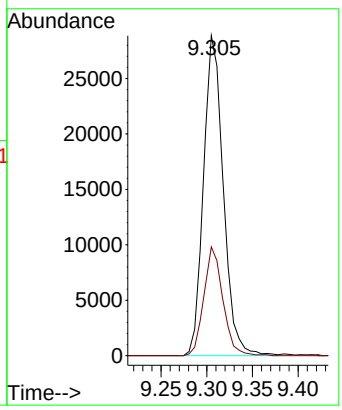


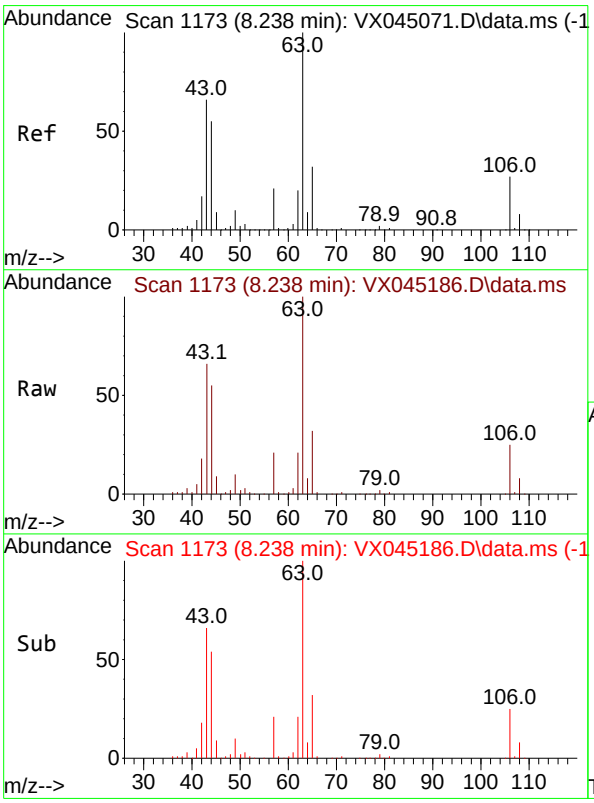
#57
1,3-Dichloropropane
Concen: 19.262 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 76 Resp: 43395

Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.5	38.3

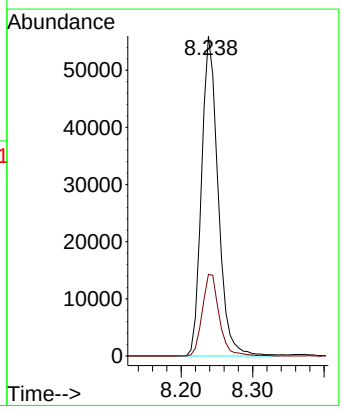


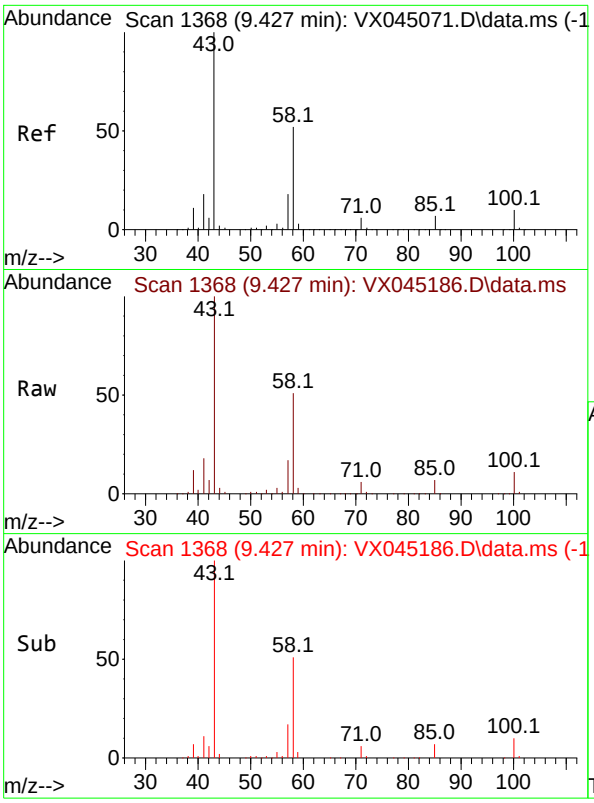


#58
2-Chloroethyl Vinyl ether
Concen: 93.427 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 63 Resp: 90184

Ion	Ratio	Lower	Upper
63	100		
106	26.0	21.5	32.3



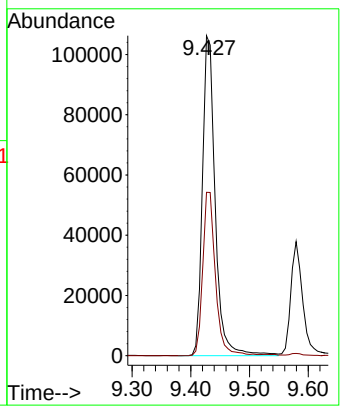


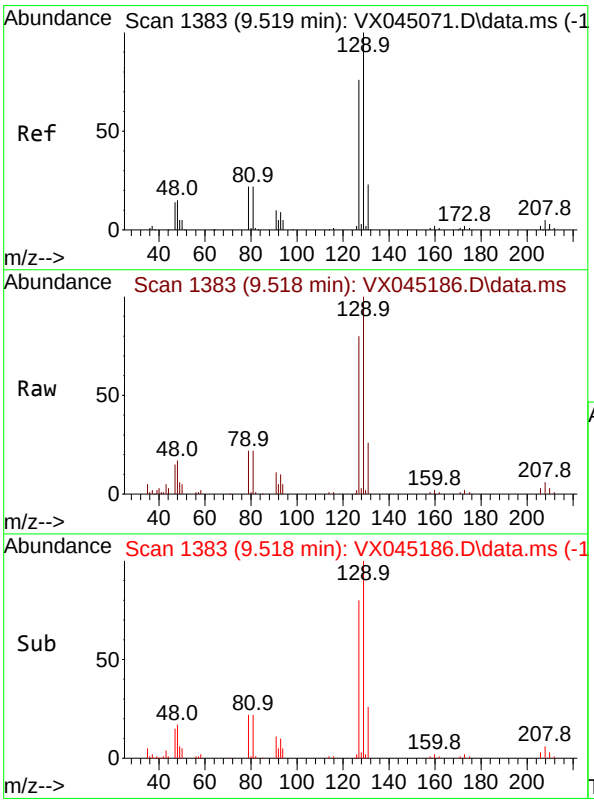
#59
2-Hexanone
Concen: 101.689 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 43 Resp: 160886

Ion	Ratio	Lower	Upper
43	100		
58	50.8	25.9	77.6

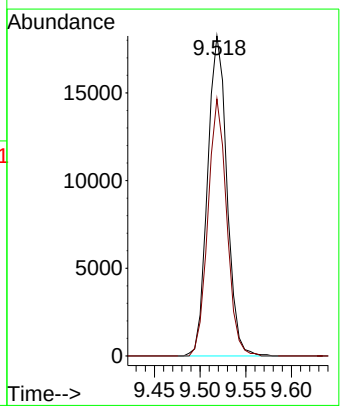


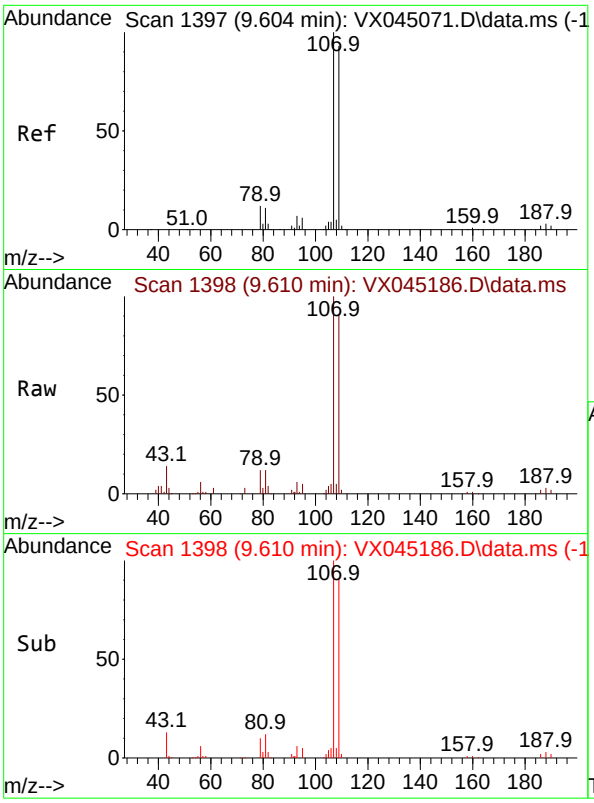


#60
Dibromochloromethane
Concen: 19.693 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:129 Resp: 26805

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.5



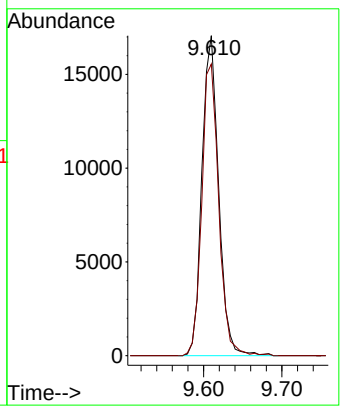


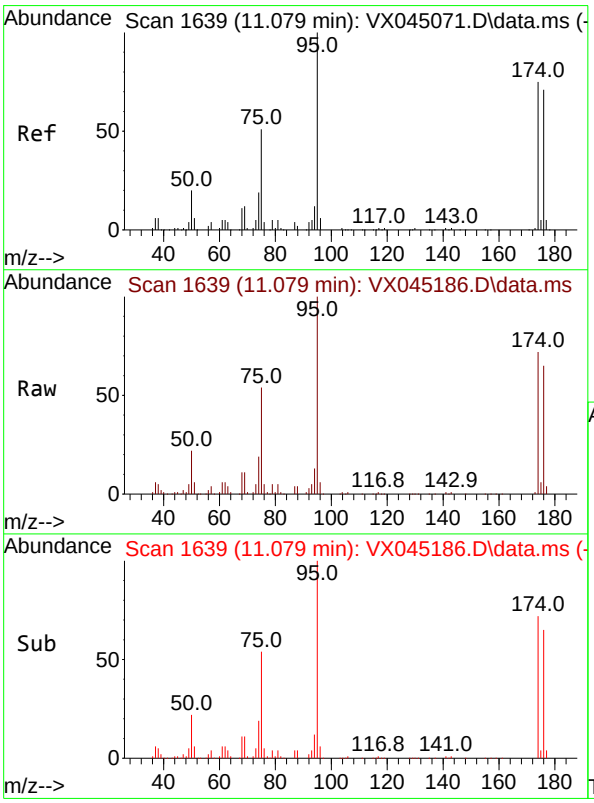
#61
1,2-Dibromoethane
Concen: 19.408 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:107 Resp: 25223

Ion	Ratio	Lower	Upper
107	100		
109	92.7	76.1	114.1

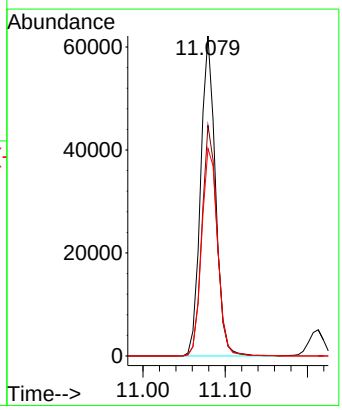


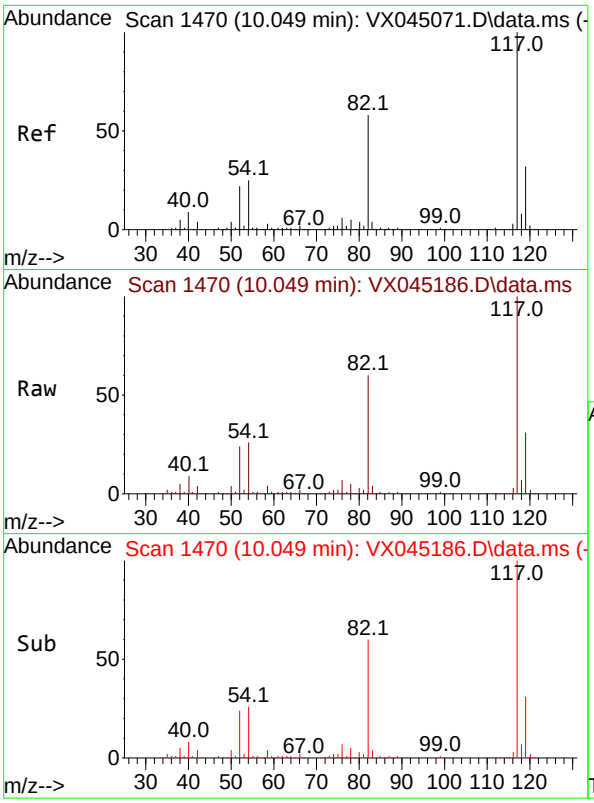


#62
4-Bromofluorobenzene
Concen: 51.953 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 95 Resp: 77677

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	148.2
176	69.6	0.0	141.4



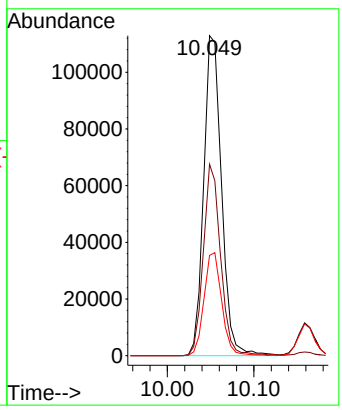


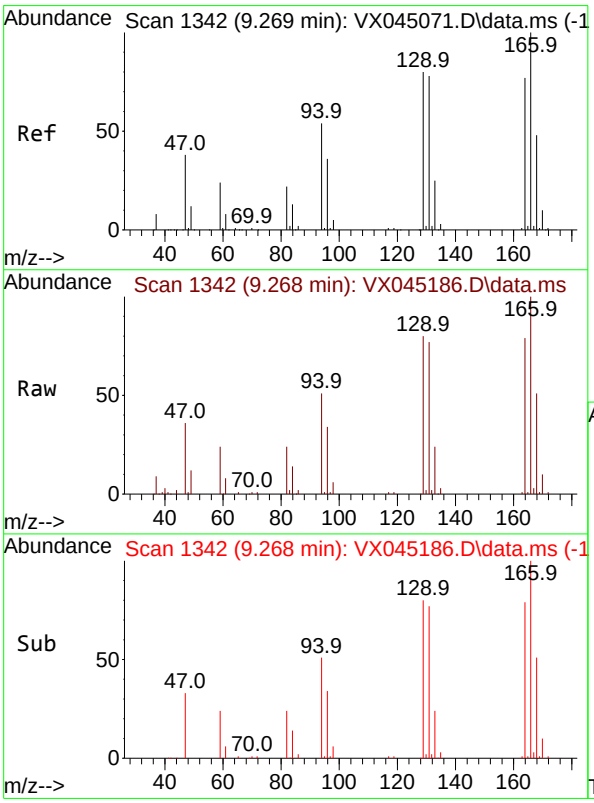
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:117 Resp: 161878

Ion	Ratio	Lower	Upper
117	100		
82	59.8	46.3	69.5
119	31.3	25.7	38.5

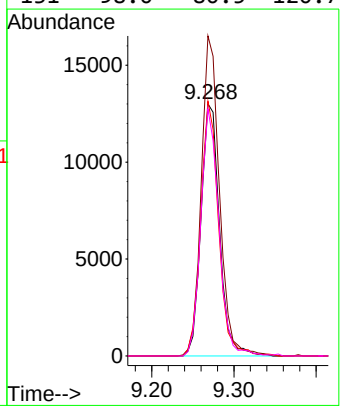


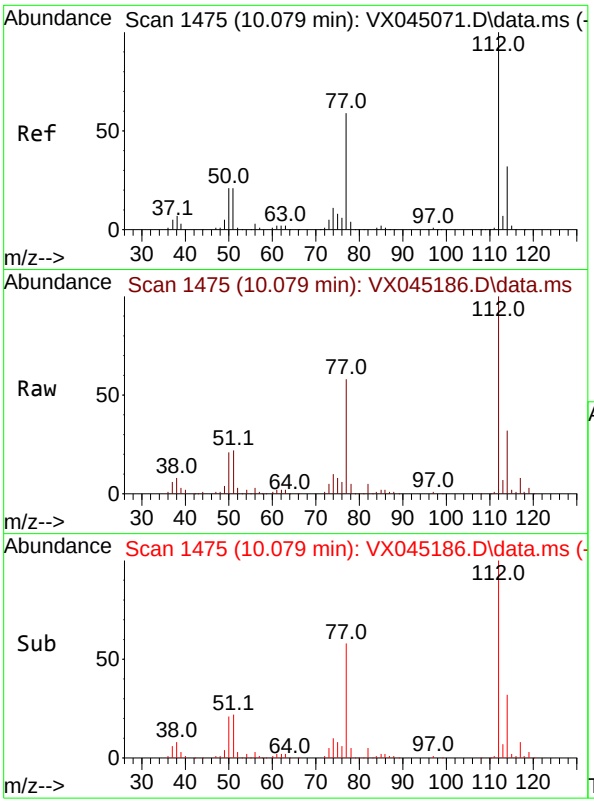


#64
Tetrachloroethene
Concen: 19.562 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:164 Resp: 20281

Ion	Ratio	Lower	Upper
164	100		
166	126.9	103.6	155.4
129	101.0	82.7	124.1
131	98.0	80.5	120.7



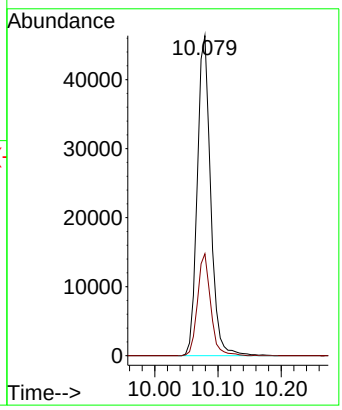


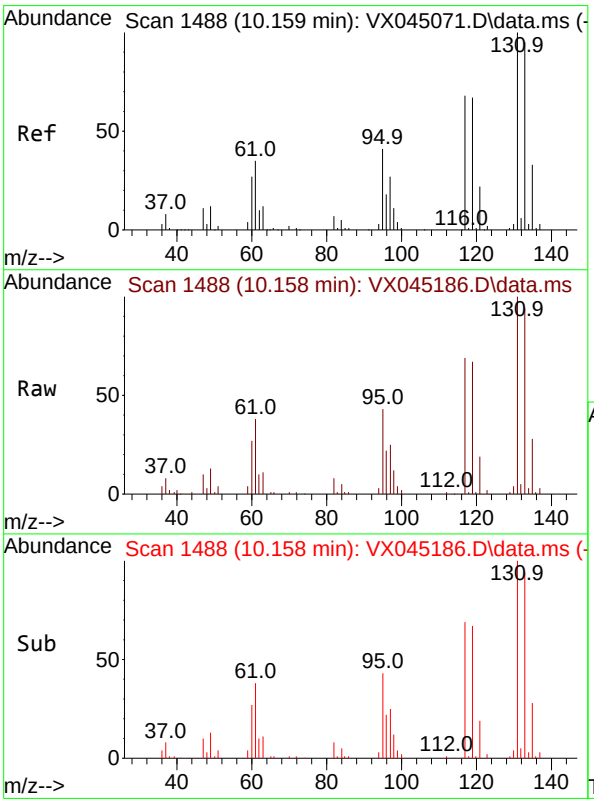
#65
Chlorobenzene
Concen: 19.930 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:112 Resp: 68266

Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.0	39.0

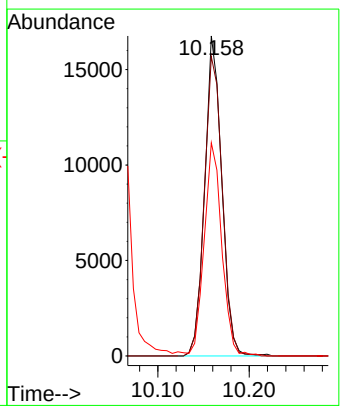


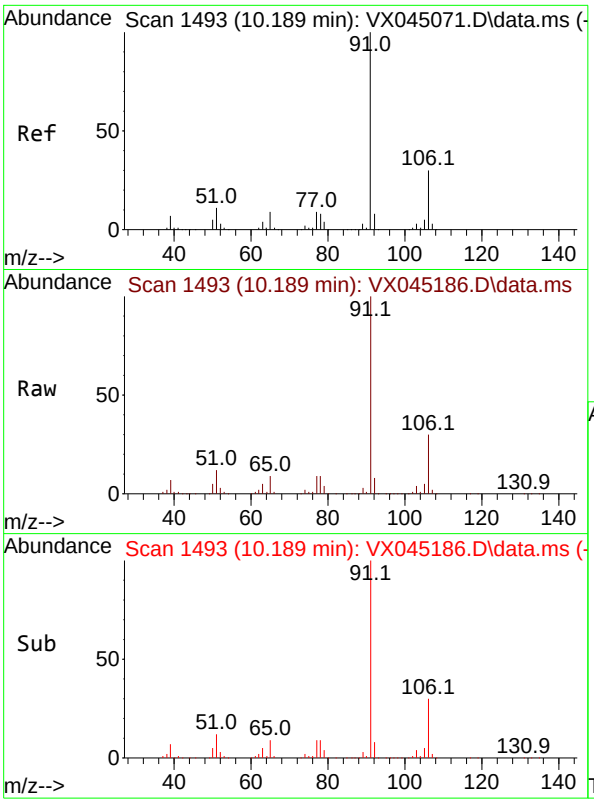


#66
1,1,1,2-Tetrachloroethane
Concen: 19.033 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:131 Resp: 21711

Ion	Ratio	Lower	Upper
131	100		
133	98.8	48.6	145.9
119	68.5	33.9	101.7



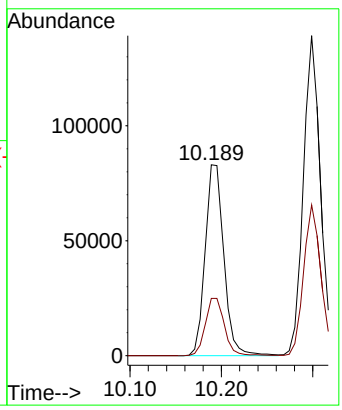


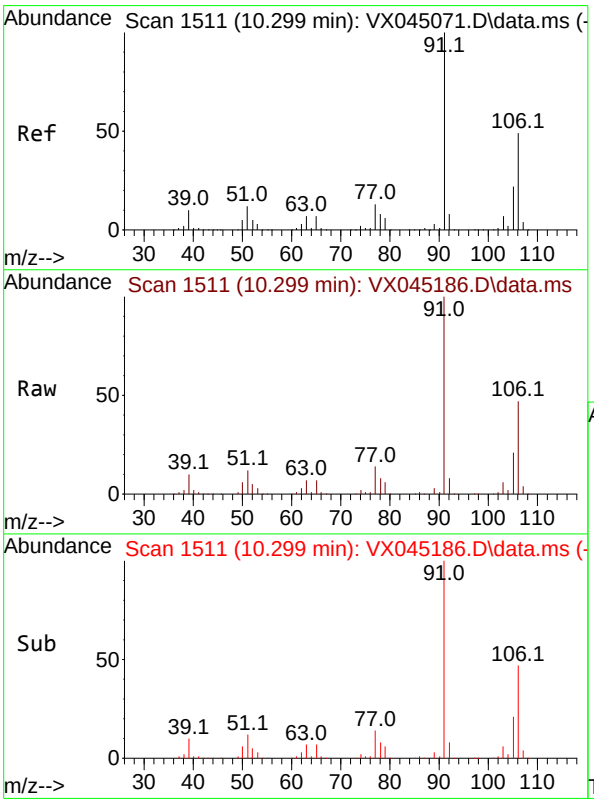
#67
Ethyl Benzene
Concen: 19.760 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 91 Resp: 117938

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.9	35.9

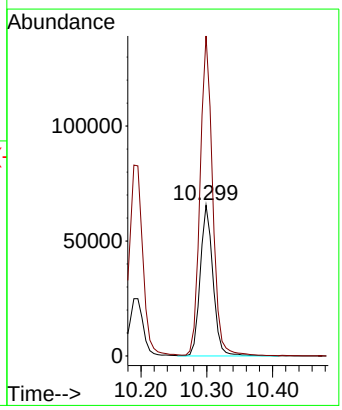


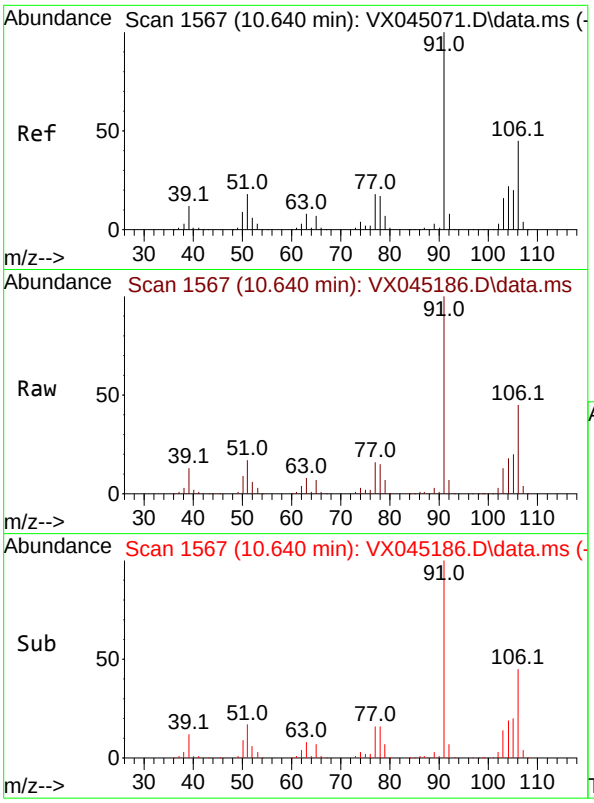


#68
m/p-Xylenes
Concen: 40.505 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:106 Resp: 88499

Ion	Ratio	Lower	Upper
106	100		
91	207.9	165.4	248.0



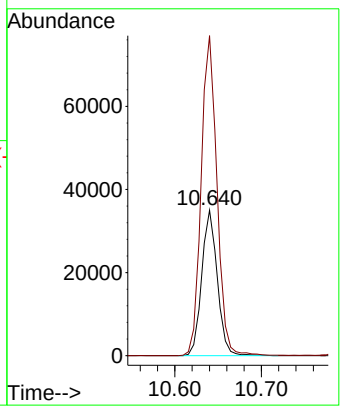


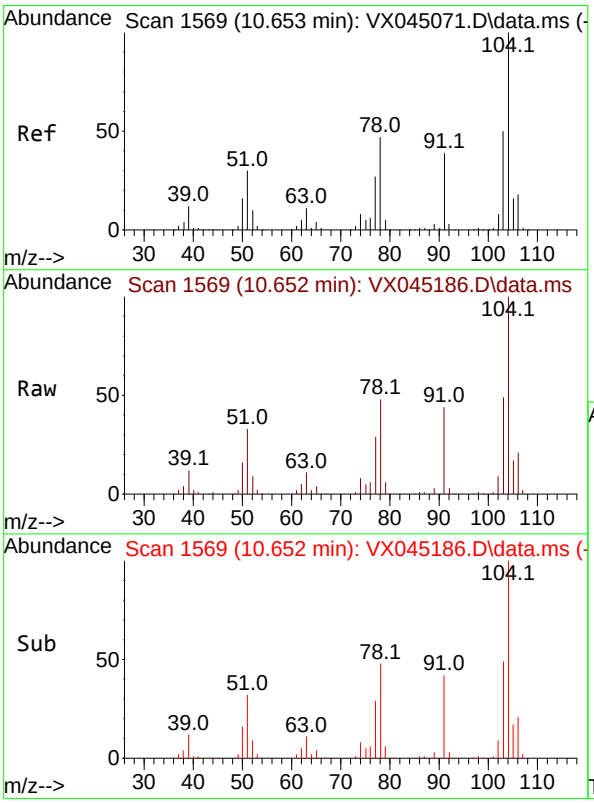
#69
o-Xylene
Concen: 19.813 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:106 Resp: 43660

Ion	Ratio	Lower	Upper
106	100		
91	223.7	109.9	329.6

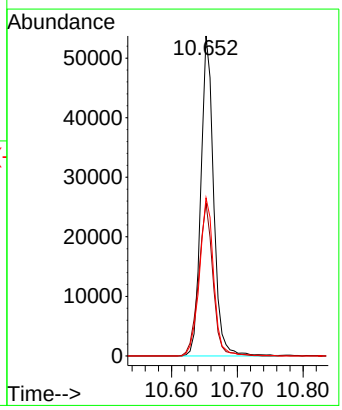


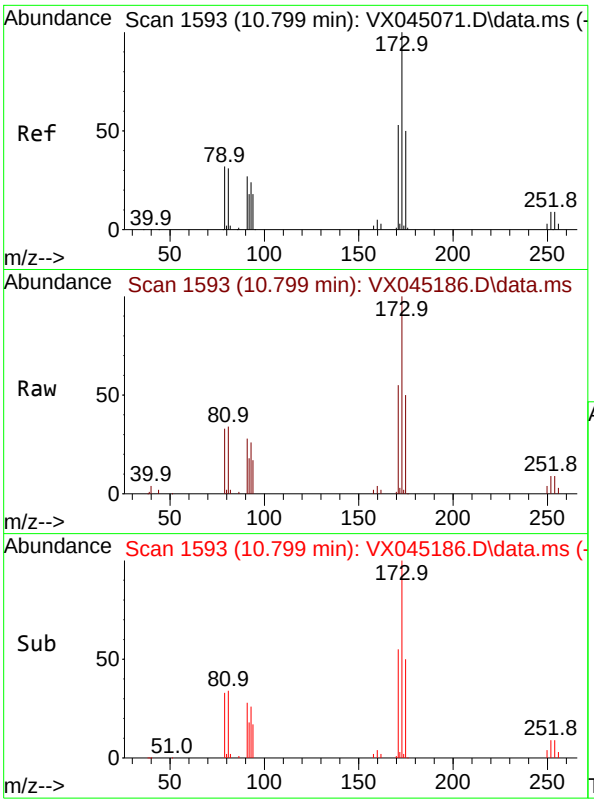


#70
Styrene
Concen: 20.404 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:104 Resp: 72752

Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.2	63.4
103	55.0	43.8	65.8



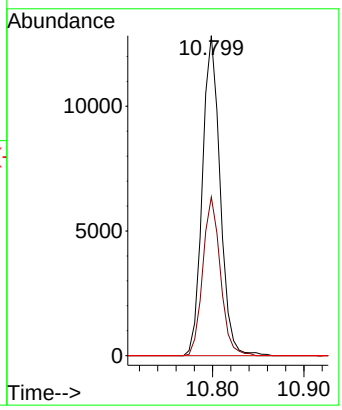


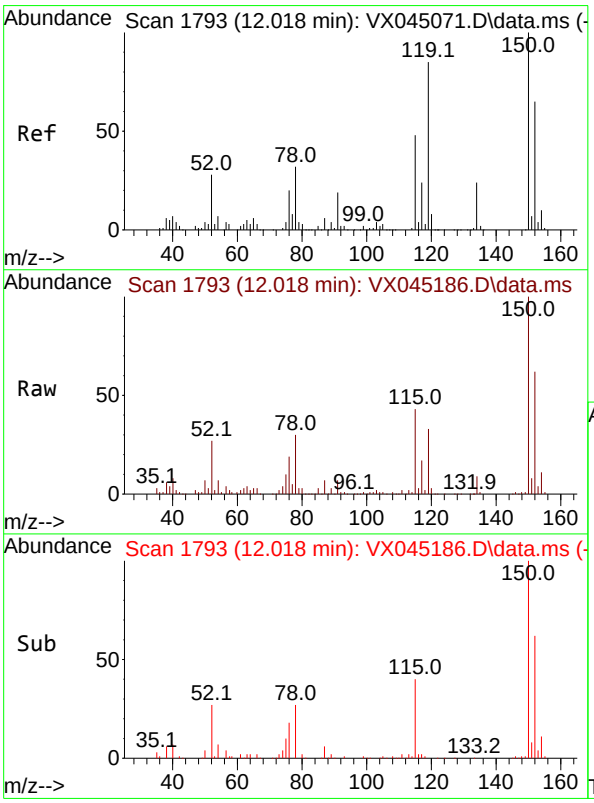
#71
Bromoform
Concen: 20.068 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:173 Resp: 17262

Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	73.6
254	0.0	0.0	0.0

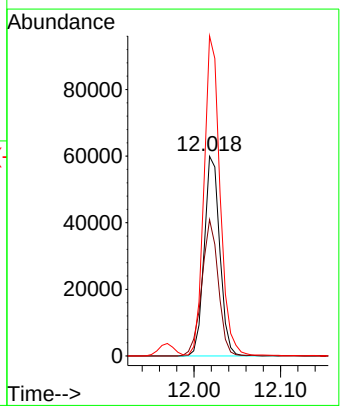


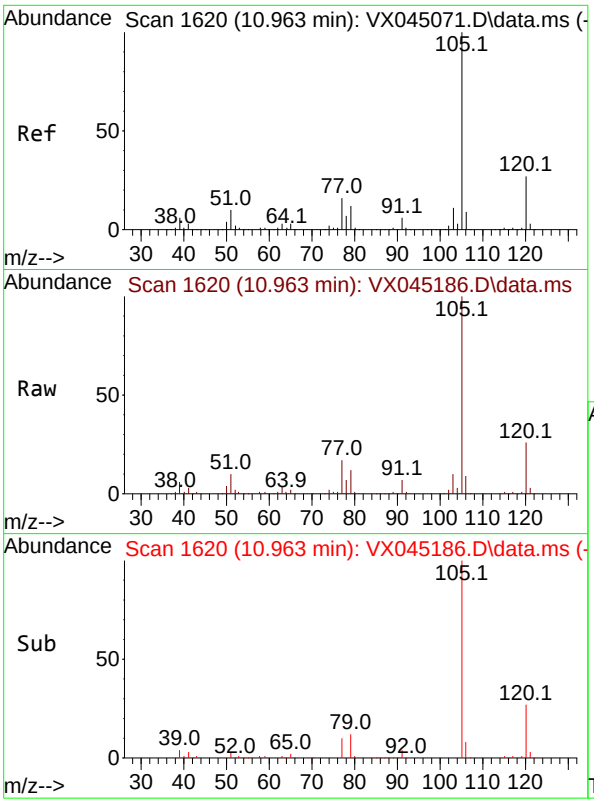


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:152 Resp: 74969

Ion	Ratio	Lower	Upper
152	100		
115	72.0	44.2	132.6
150	165.0	0.0	349.0



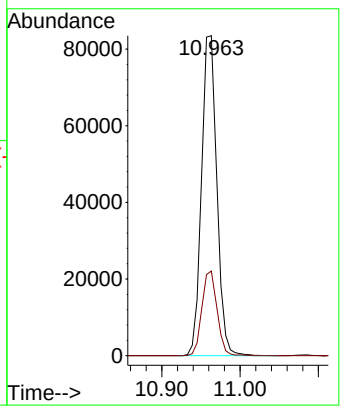


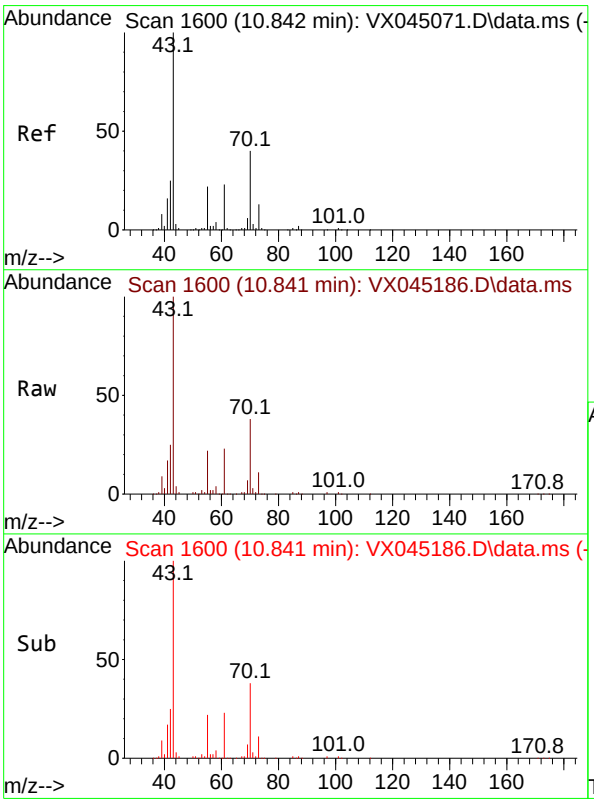
#73
Isopropylbenzene
Concen: 19.375 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:105 Resp: 113373

Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.5

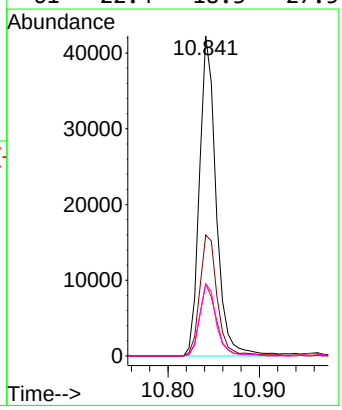


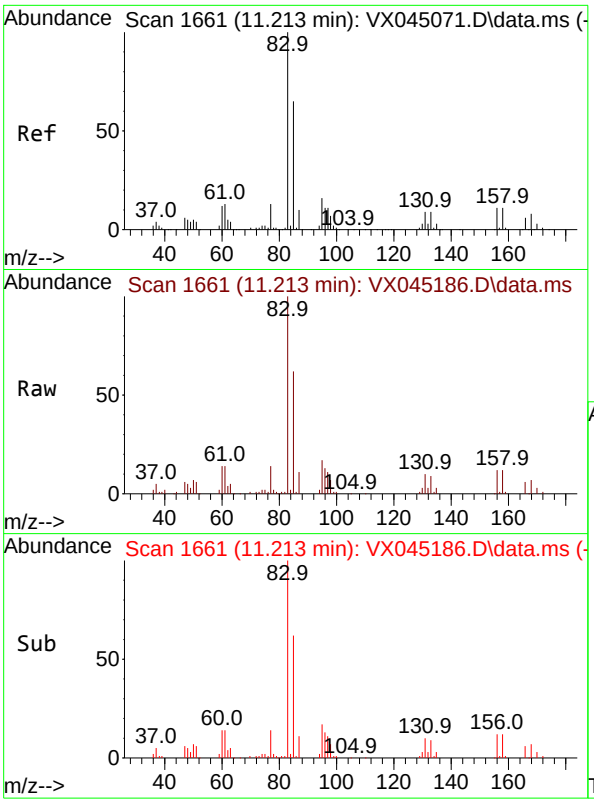


#74
N-amyl acetate
Concen: 19.531 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 43 Resp: 53626

Ion	Ratio	Lower	Upper
43	100		
70	39.9	31.8	47.6
55	22.9	18.3	27.5
61	22.4	18.3	27.5



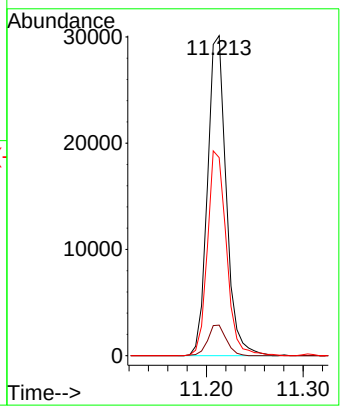


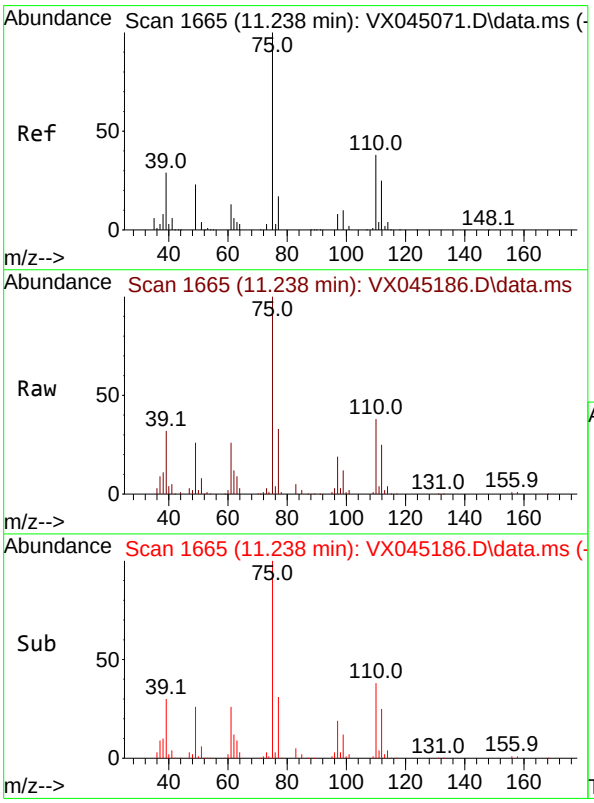
#75
1,1,2,2-Tetrachloroethane
Concen: 18.866 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 83 Resp: 40510

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.4
85	65.0	31.7	95.1

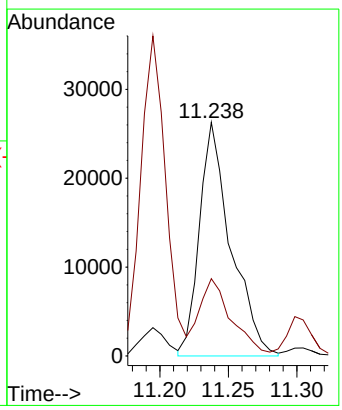


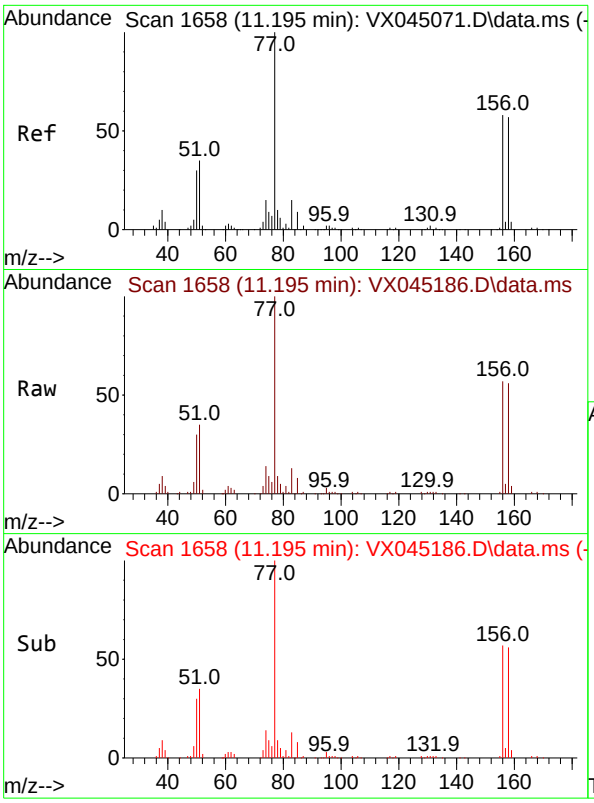


#76
1,2,3-Trichloropropane
Concen: 24.092 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 75 Resp: 42038

Ion	Ratio	Lower	Upper
75	100		
77	34.2	20.7	62.1



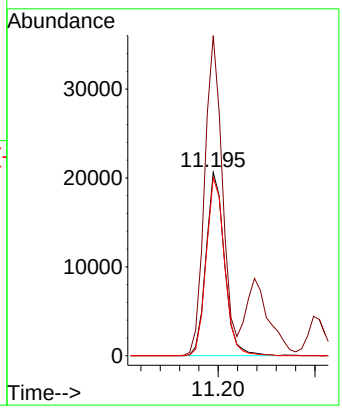


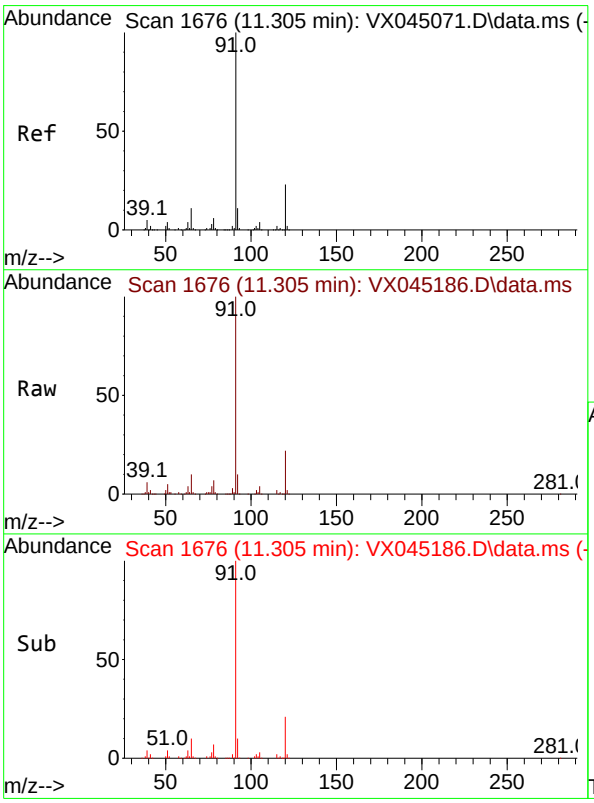
#77
Bromobenzene
Concen: 19.653 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:156 Resp: 27133

Ion	Ratio	Lower	Upper
156	100		
77	169.2	85.8	257.4
158	97.2	48.4	145.2

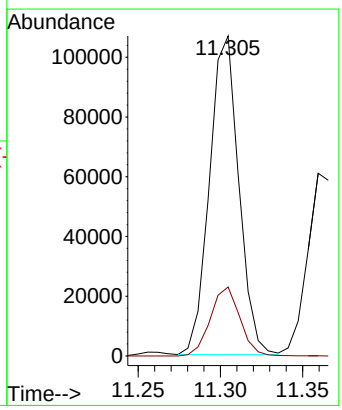


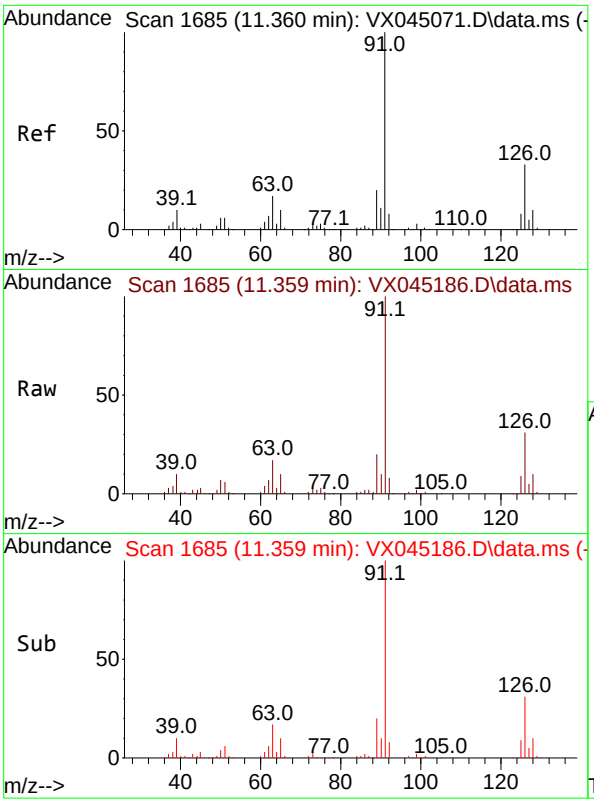


#78
n-propylbenzene
Concen: 20.027 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 91 Resp: 132378

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



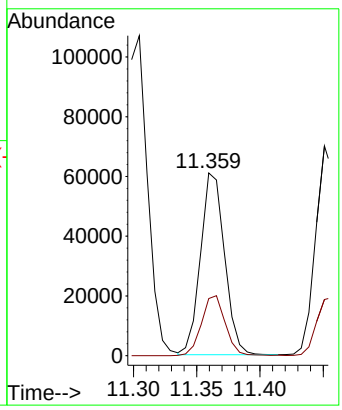


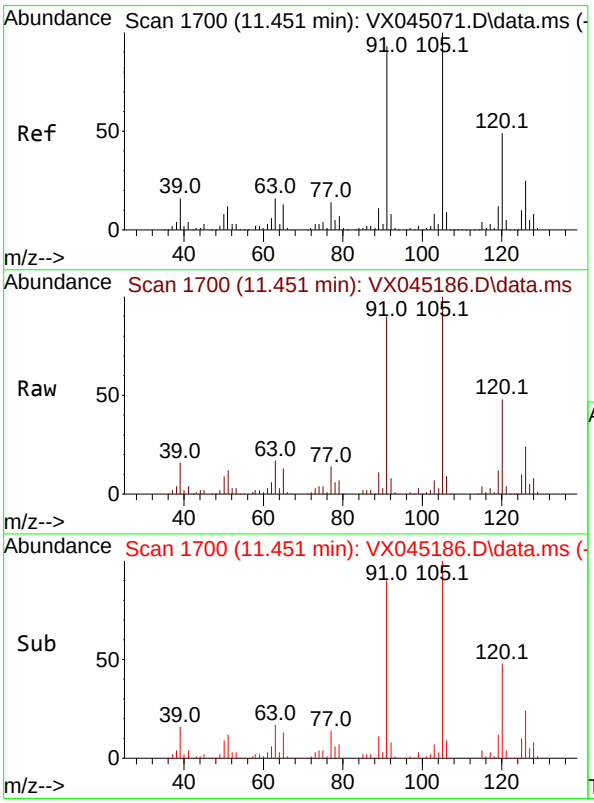
#79
2-Chlorotoluene
Concen: 19.162 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 91 Resp: 80667

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

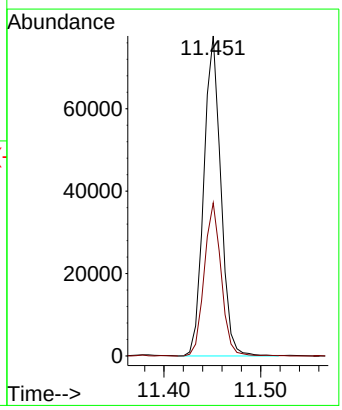


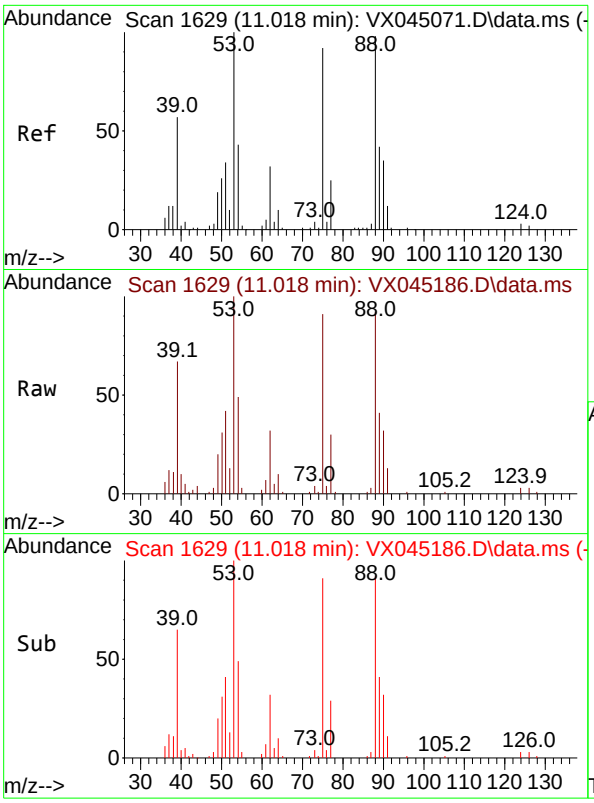


#80
1,3,5-Trimethylbenzene
Concen: 20.108 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:105 Resp: 95140

Ion	Ratio	Lower	Upper
105	100		
120	47.5	24.1	72.2



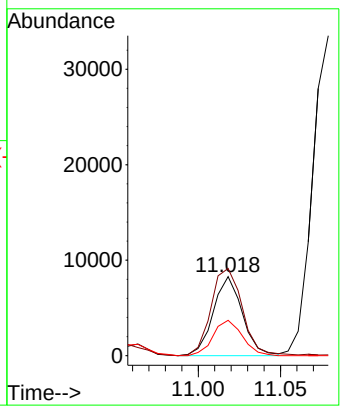


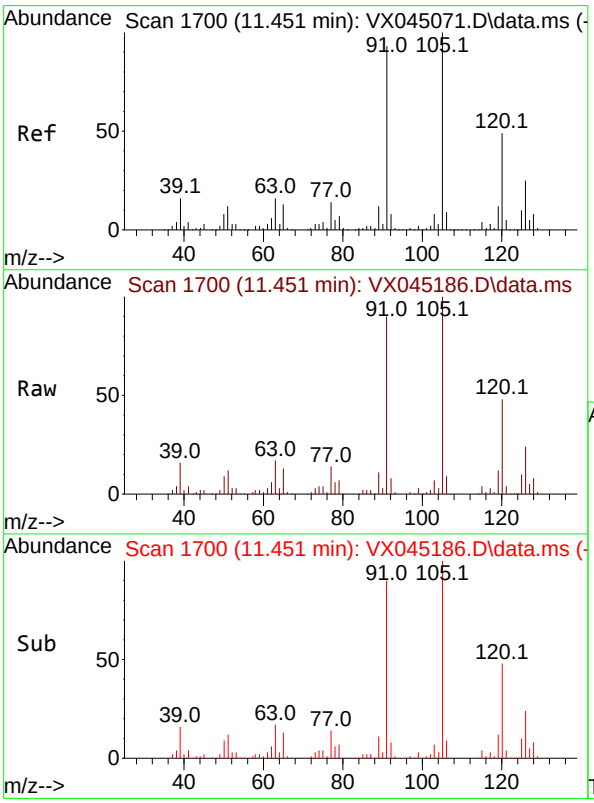
#81
trans-1,4-Dichloro-2-butene
Concen: 20.022 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 75 Resp: 10209

Ion	Ratio	Lower	Upper
75	100		
53	120.0	88.5	132.7
89	45.2	36.2	54.4

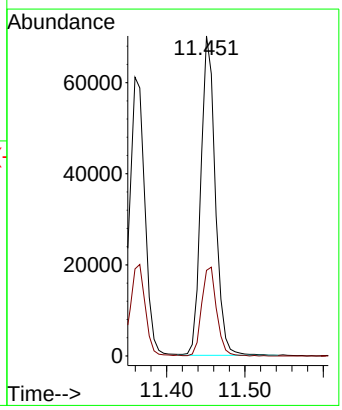


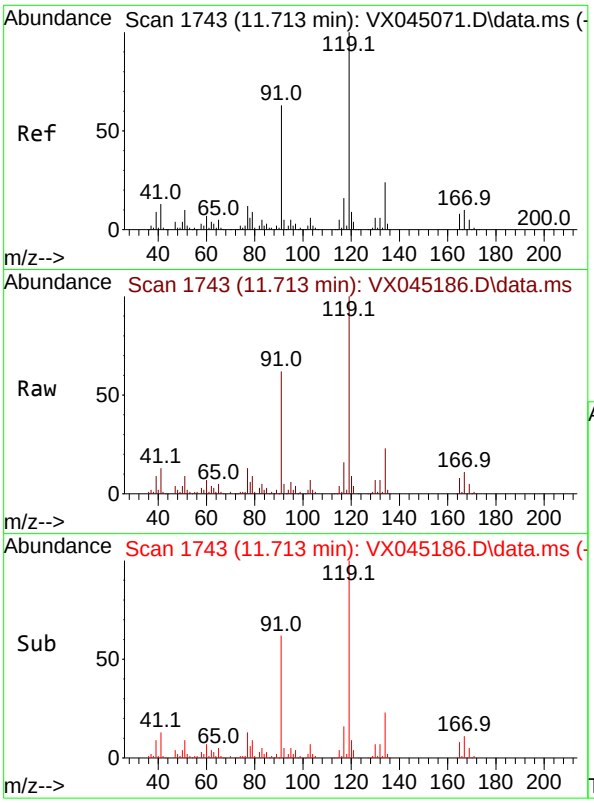


#82
4-Chlorotoluene
Concen: 19.478 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 91 Resp: 89366

Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.1	42.4



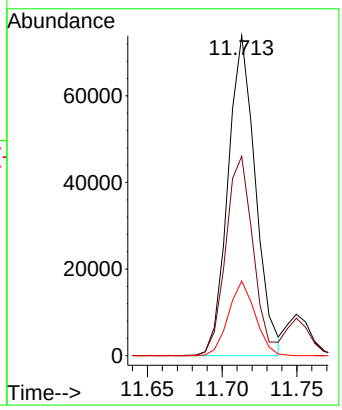


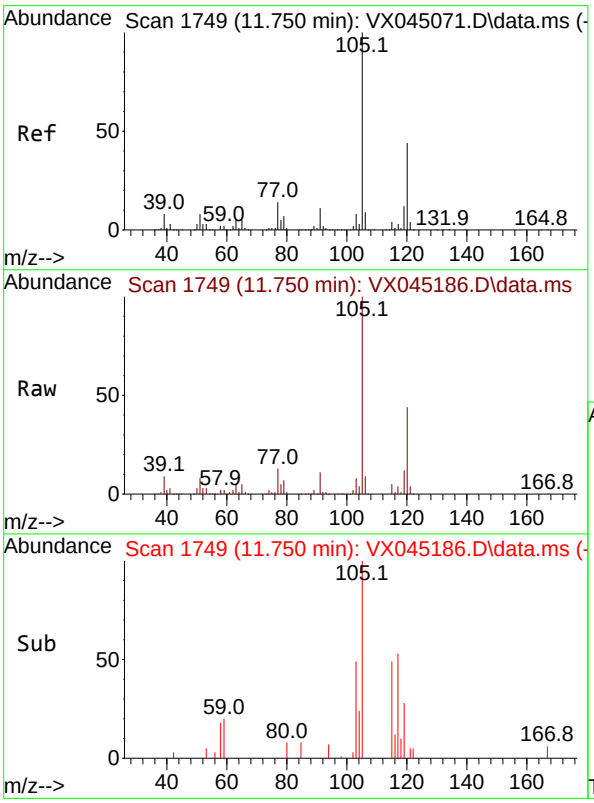
#83
tert-Butylbenzene
Concen: 19.437 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:119 Resp: 94493

Ion	Ratio	Lower	Upper
119	100		
91	62.5	30.7	92.1
134	22.7	11.7	35.0

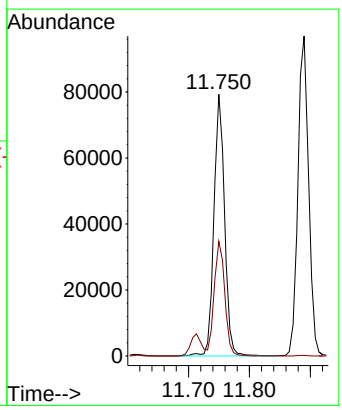


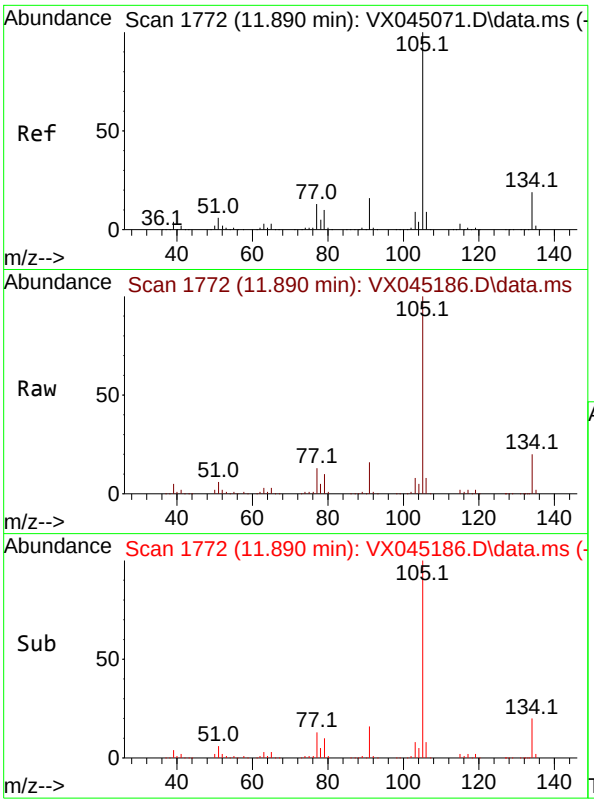


#84
1,2,4-Trimethylbenzene
Concen: 20.190 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:105 Resp: 96117

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.1	66.1



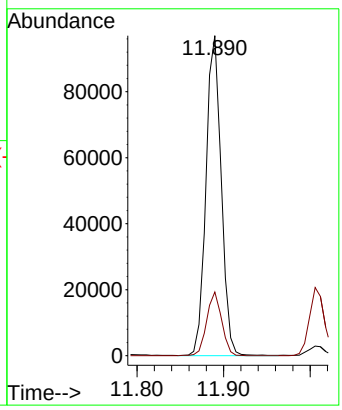


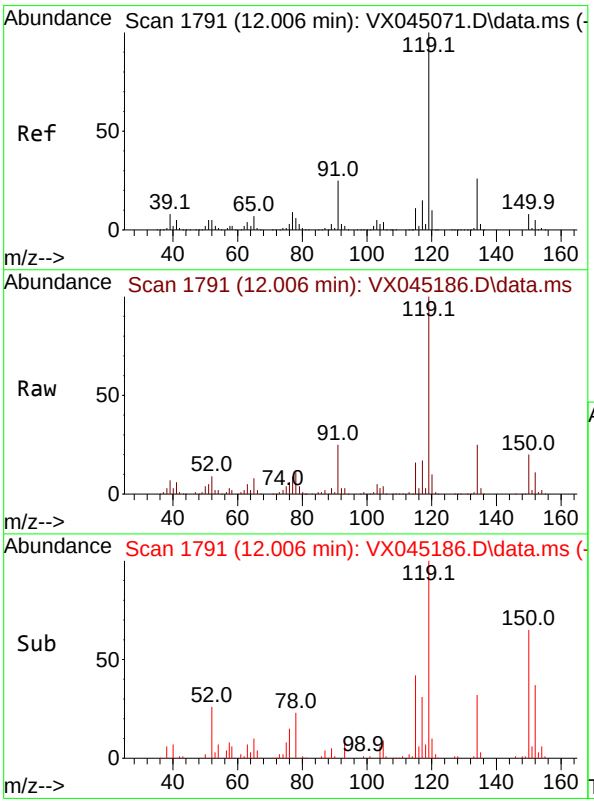
#85
sec-Butylbenzene
Concen: 20.368 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:105 Resp: 118612

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.4

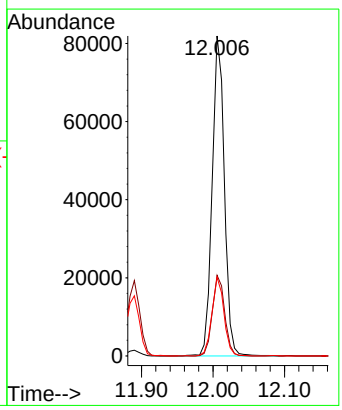


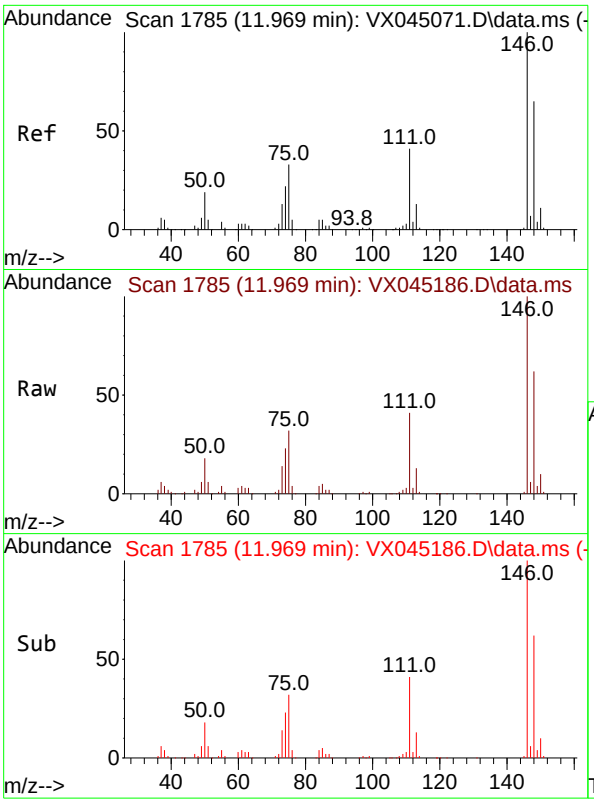


#86
p-Isopropyltoluene
Concen: 20.574 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:119 Resp: 96823

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	24.4	12.7	38.0



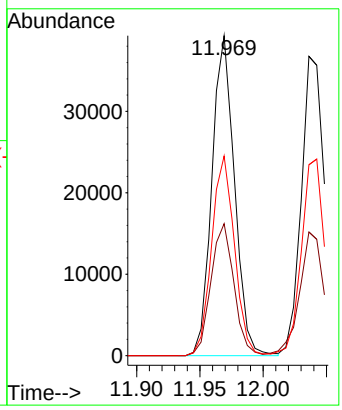


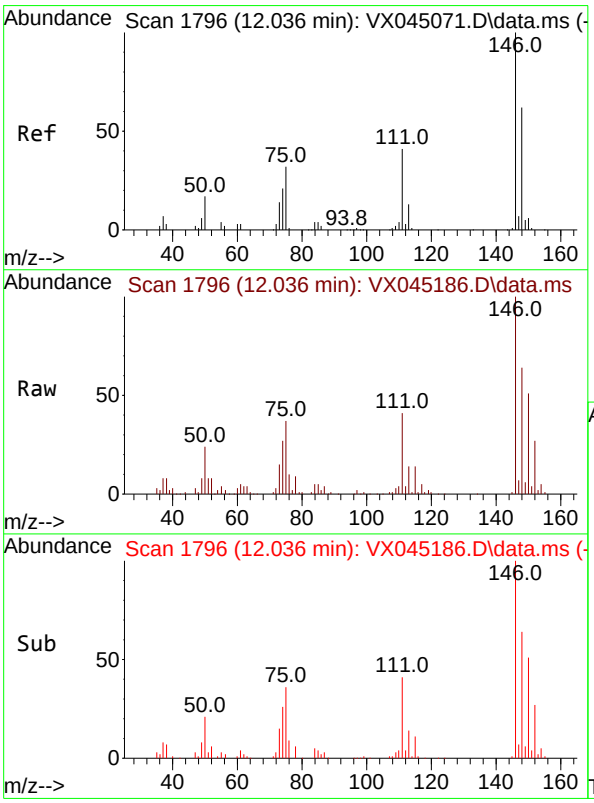
#87
1,3-Dichlorobenzene
Concen: 19.782 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:146 Resp: 48722

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.4
148	63.3	31.9	95.7

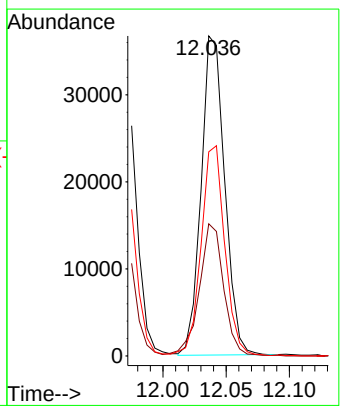


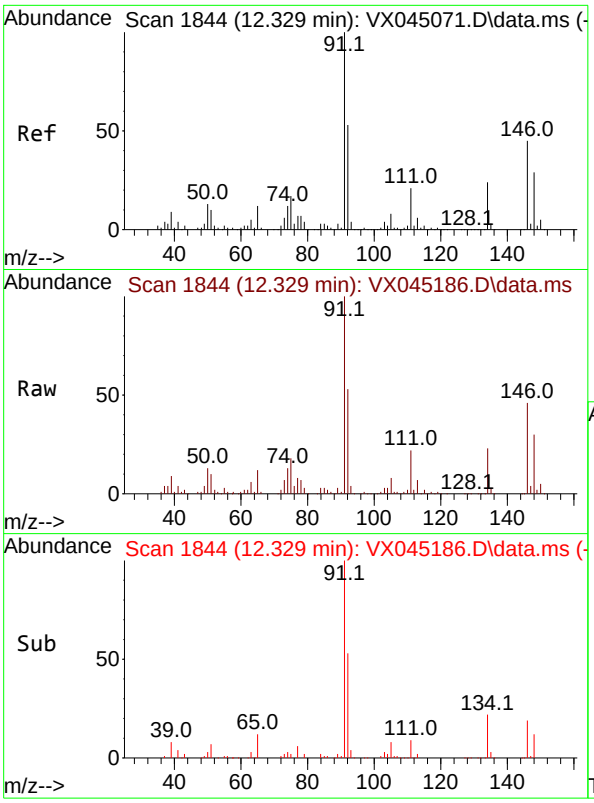


#88
1,4-Dichlorobenzene
Concen: 19.103 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:146 Resp: 47601

Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.2	60.5
148	66.6	31.9	95.9



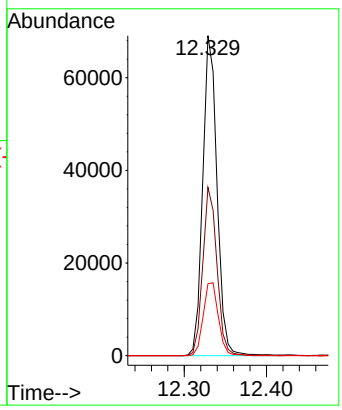


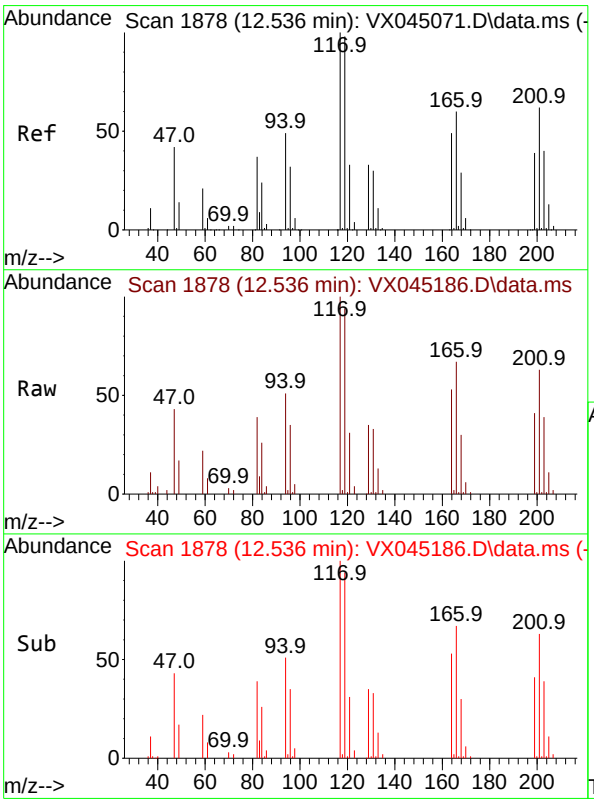
#89
n-Butylbenzene
Concen: 20.579 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion: 91 Resp: 83410

Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.7	80.0
134	24.1	12.2	36.6

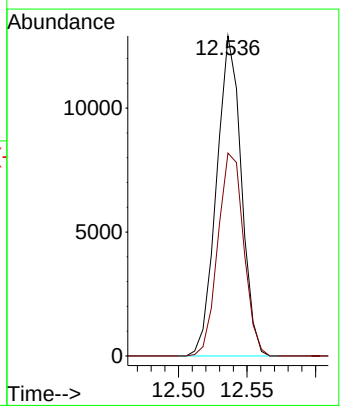


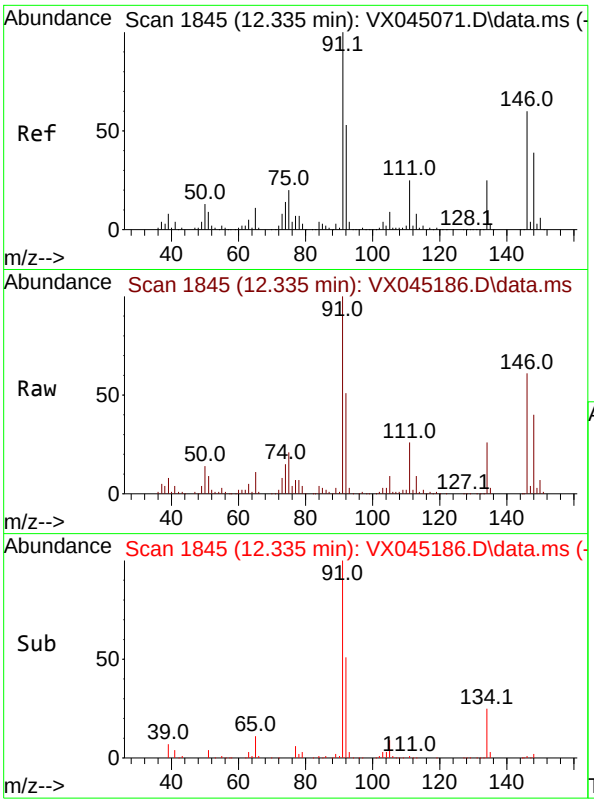


#90
Hexachloroethane
Concen: 19.049 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:117 Resp: 16215

Ion	Ratio	Lower	Upper
117	100		
201	66.2	31.9	95.9



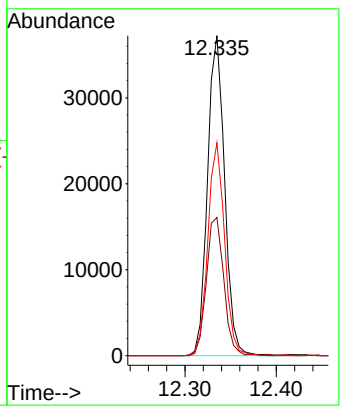


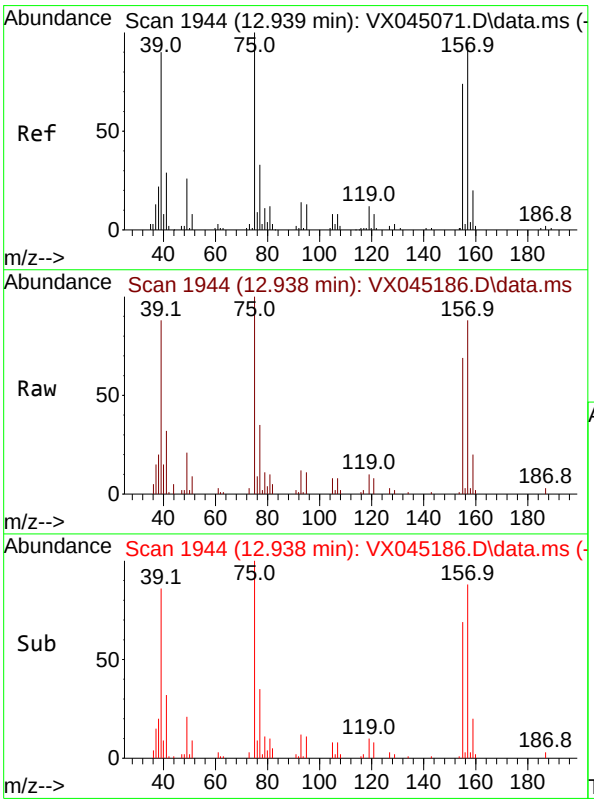
#91
1,2-Dichlorobenzene
Concen: 19.540 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:146 Resp: 48277

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.6	65.0
148	64.9	31.9	95.9

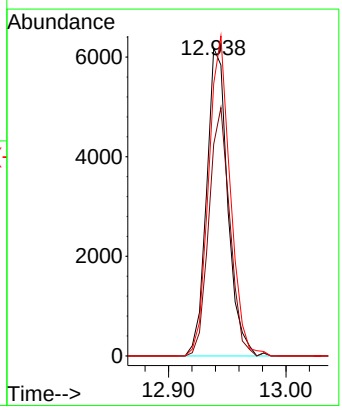


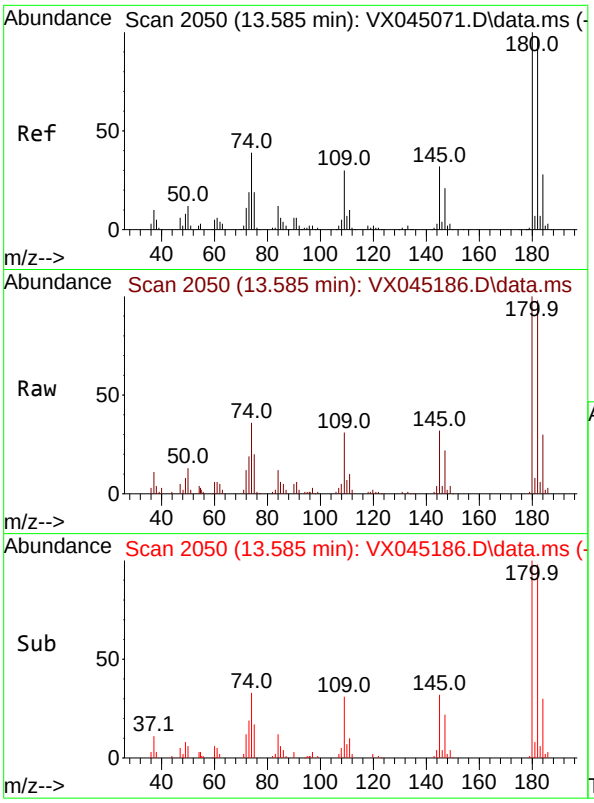


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.437 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion: 75 Resp: 7713

Ion	Ratio	Lower	Upper
75	100		
155	80.1	39.6	118.7
157	106.2	51.1	153.4



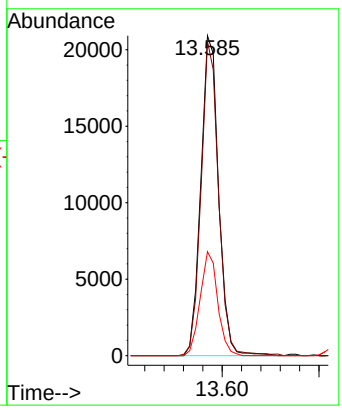


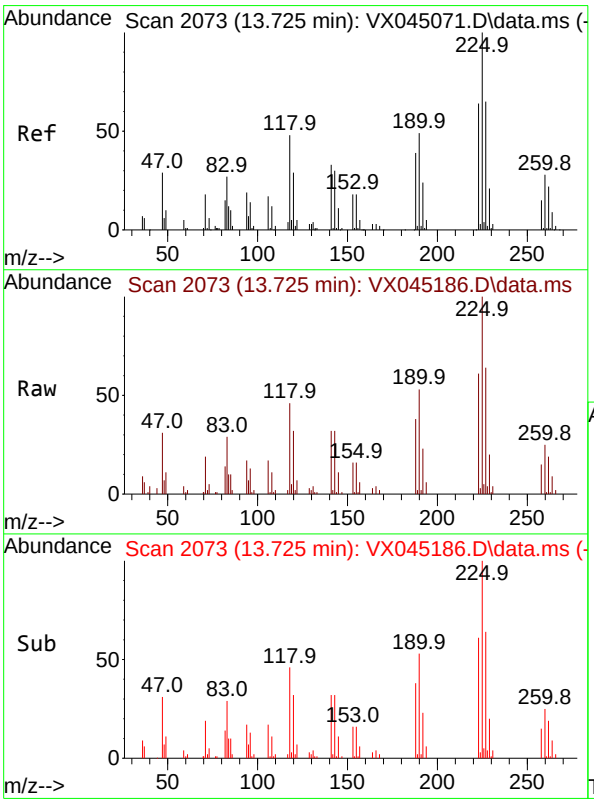
#93
1,2,4-Trichlorobenzene
Concen: 19.041 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:180 Resp: 26788

Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	141.9
145	32.0	16.3	48.9

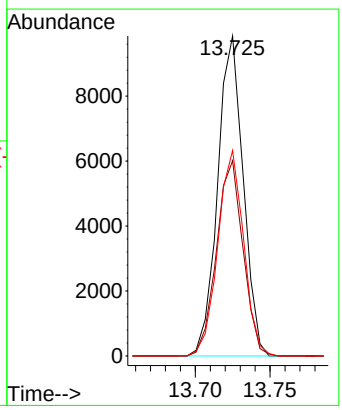


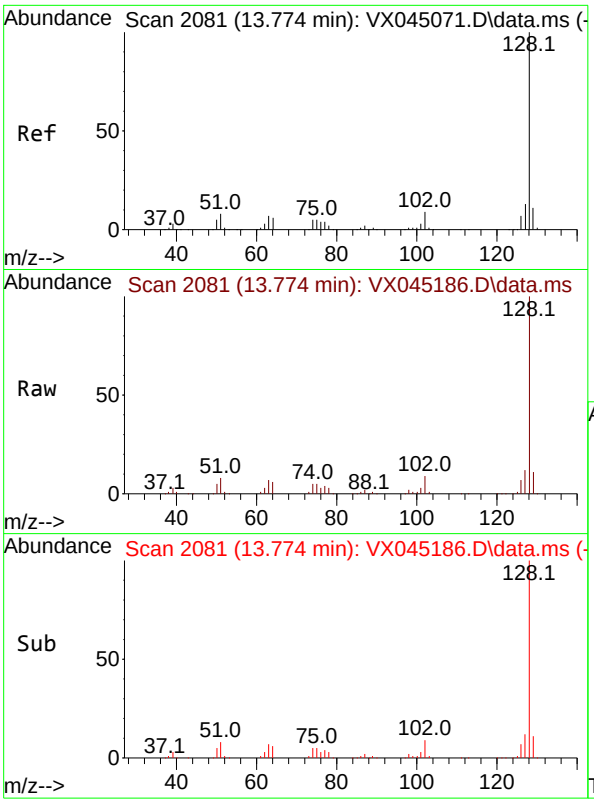


#94
Hexachlorobutadiene
Concen: 20.285 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:225 Resp: 11700

Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.7
227	64.8	31.4	94.0



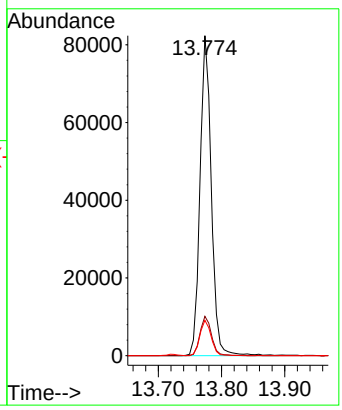


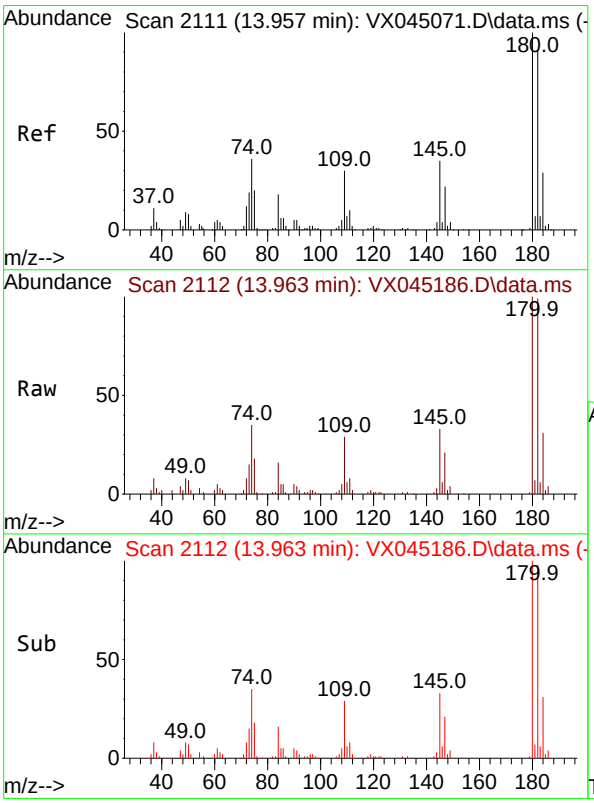
#95
Naphthalene
Concen: 18.968 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Instrument :
MSVOA_X
ClientSampleId :
VX0310WBS01

Tgt Ion:128 Resp: 102523

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	11.1	8.7	13.1

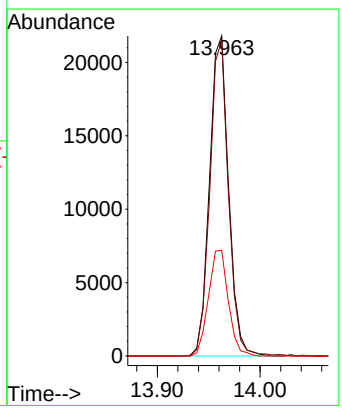




#96
1,2,3-Trichlorobenzene
Concen: 18.942 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045186.D
Acq: 10 Mar 2025 11:20

Tgt Ion:180 Resp: 28112

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.6
145	34.4	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045209.D
Acq On : 10 Mar 2025 20:17
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 11 04:04:46 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	89805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	161478	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	141315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76819	53.777	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.560%			
35) Dibromofluoromethane	5.379	113	58482	54.162	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.320%			
50) Toluene-d8	8.647	98	204329	52.198	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.400%			
62) 4-Bromofluorobenzene	11.079	95	72332	55.762	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	56068	49.599	ug/l	95
3) Chloromethane	1.307	50	66438	48.025	ug/l	97
4) Vinyl Chloride	1.374	62	62817	45.773	ug/l	98
5) Bromomethane	1.593	94	27338	50.673	ug/l	99
6) Chloroethane	1.666	64	34461	54.440	ug/l	100
7) Trichlorofluoromethane	1.874	101	92332	50.823	ug/l	98
8) Diethyl Ether	2.130	74	34202	48.131	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	56114	53.761	ug/l	98
10) Methyl Iodide	2.447	142	71173	54.565	ug/l	98
11) Tert butyl alcohol	2.971	59	61066	225.688	ug/l	100
12) 1,1-Dichloroethene	2.313	96	54950	49.795	ug/l	98
13) Acrolein	2.233	56	74133	237.014	ug/l	99
14) Allyl chloride	2.660	41	104974	53.441	ug/l	97
15) Acrylonitrile	3.063	53	194961	268.846	ug/l	99
16) Acetone	2.380	43	168917	254.865	ug/l	98
17) Carbon Disulfide	2.502	76	132826	45.192	ug/l	97
18) Methyl Acetate	2.703	43	95625	59.975	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	198391	53.586	ug/l	98
20) Methylene Chloride	2.782	84	64617	49.218	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	54883	50.342	ug/l	98
22) Diisopropyl ether	3.758	45	215508	53.946	ug/l	90
23) Vinyl Acetate	3.715	43	929015	278.666	ug/l	100
24) 1,1-Dichloroethane	3.605	63	116765	52.153	ug/l	100
25) 2-Butanone	4.556	43	269878	270.518	ug/l	99
26) 2,2-Dichloropropane	4.465	77	70028	66.684	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	68687	51.038	ug/l	94
28) Bromochloromethane	4.892	49	49831	46.695	ug/l	97
29) Tetrahydrofuran	5.001	42	172809	257.939	ug/l	100
30) Chloroform	5.087	83	117022	52.604	ug/l	97
31) Cyclohexane	5.465	56	100388	51.654	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	94427	52.556	ug/l	99
36) 1,1-Dichloropropene	5.684	75	74357	50.215	ug/l	99
37) Ethyl Acetate	4.709	43	100796	52.826	ug/l	99
38) Carbon Tetrachloride	5.666	117	77847	51.782	ug/l	96
39) Methylcyclohexane	7.373	83	95610	53.885	ug/l	97
40) Benzene	6.032	78	242037	51.762	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045209.D
Acq On : 10 Mar 2025 20:17
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 11 04:04:46 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	58064	56.278	ug/l		99
42) 1,2-Dichloroethane	6.080	62	91915	54.587	ug/l		98
43) Isopropyl Acetate	6.336	43	159254	56.443	ug/l		100
44) Trichloroethene	7.123	130	57349	52.232	ug/l		99
45) 1,2-Dichloropropane	7.428	63	63296	52.648	ug/l		100
46) Dibromomethane	7.574	93	45791	53.887	ug/l		98
47) Bromodichloromethane	7.818	83	91086	54.648	ug/l		99
48) Methyl methacrylate	7.690	41	80293	56.723	ug/l		96
49) 1,4-Dioxane	7.659	88	28702	961.250	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	541601	285.882	ug/l		100
52) Toluene	8.714	92	144568	52.695	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	81003	58.132	ug/l		96
54) cis-1,3-Dichloropropene	8.367	75	93121	57.309	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	60107	53.219	ug/l		99
56) Ethyl methacrylate	9.116	69	99177	57.768	ug/l		97
57) 1,3-Dichloropropane	9.305	76	103733	53.072	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	230339	275.041	ug/l		98
59) 2-Hexanone	9.427	43	396595	288.929	ug/l		100
60) Dibromochloromethane	9.519	129	65571	55.525	ug/l		100
61) 1,2-Dibromoethane	9.610	107	60773	53.901	ug/l		100
64) Tetrachloroethene	9.269	164	45070	49.798	ug/l		97
65) Chlorobenzene	10.074	112	154662	51.723	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	52444	52.665	ug/l		99
67) Ethyl Benzene	10.189	91	275315	52.841	ug/l		99
68) m/p-Xylenes	10.299	106	203608	106.750	ug/l		98
69) o-Xylene	10.640	106	101225	52.621	ug/l		99
70) Styrene	10.653	104	170107	54.651	ug/l		99
71) Bromoform	10.799	173	41916	55.820	ug/l	#	99
73) Isopropylbenzene	10.958	105	261410	51.203	ug/l		99
74) N-amyl acetate	10.842	43	133947	55.914	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	95680	51.071	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	100107	65.756	ug/l		85
77) Bromobenzene	11.195	156	60709	50.399	ug/l		97
78) n-propylbenzene	11.299	91	307731	53.359	ug/l		98
79) 2-Chlorotoluene	11.360	91	184579	50.254	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	215110	52.109	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	24197	54.392	ug/l		94
82) 4-Chlorotoluene	11.451	91	211368	52.803	ug/l		99
83) tert-Butylbenzene	11.713	119	217615	51.306	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	219760	52.908	ug/l		100
85) sec-Butylbenzene	11.890	105	273492	53.829	ug/l		99
86) p-Isopropyltoluene	12.006	119	223861	54.521	ug/l		100
87) 1,3-Dichlorobenzene	11.970	146	110444	51.396	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	110057	50.623	ug/l		99
89) n-Butylbenzene	12.329	91	198652	56.174	ug/l		100
90) Hexachloroethane	12.536	117	38405	51.712	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	111119	51.548	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19480	53.372	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	63774	51.957	ug/l		99
94) Hexachlorobutadiene	13.725	225	25562	50.796	ug/l		99
95) Naphthalene	13.774	128	249638	52.935	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	66492	51.350	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045209.D
Acq On : 10 Mar 2025 20:17
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 11 04:04:46 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)

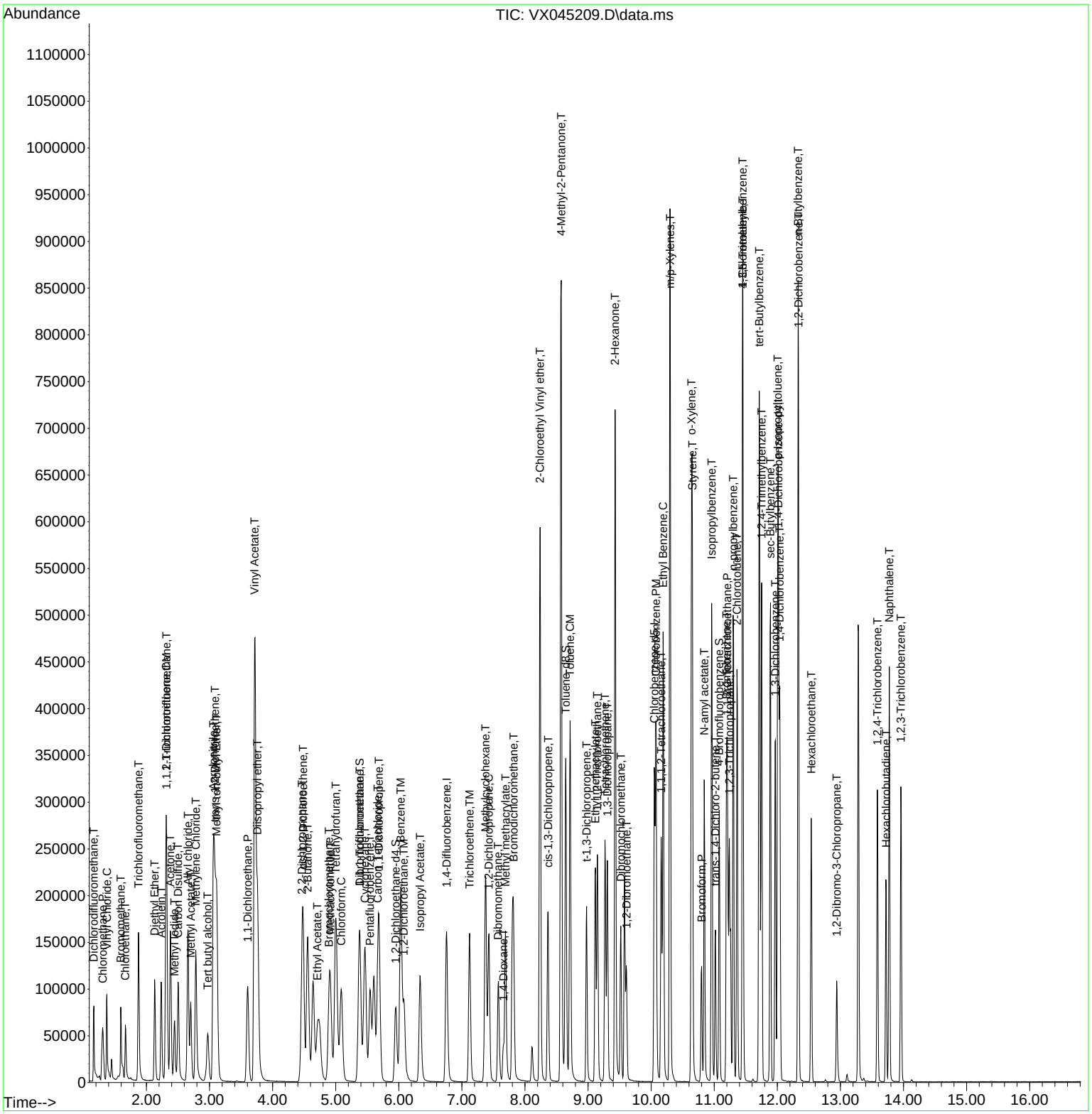
(#) = qualifier out of range (m) = manual integration (+) = signals summed

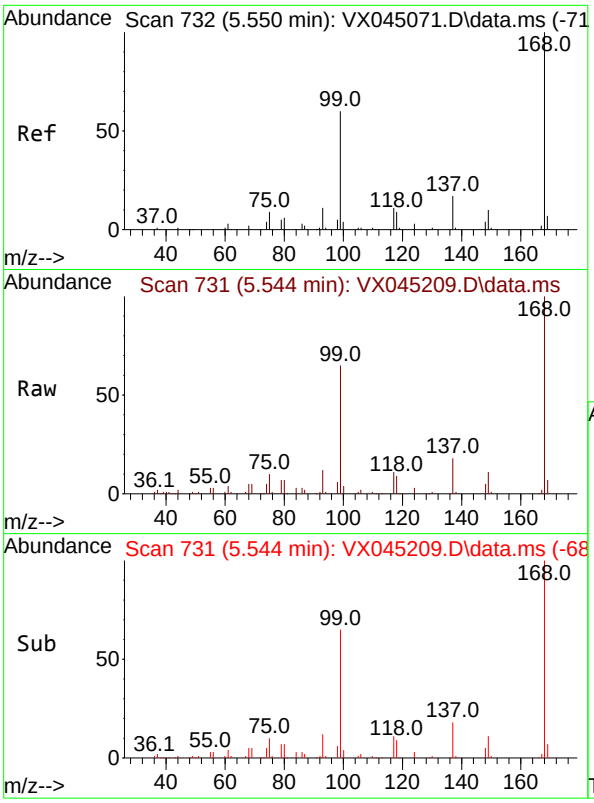
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045209.D
Acq On : 10 Mar 2025 20:17
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 11 04:04:46 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



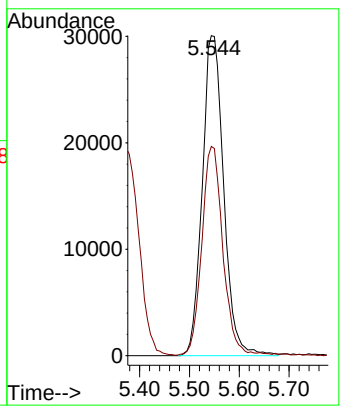


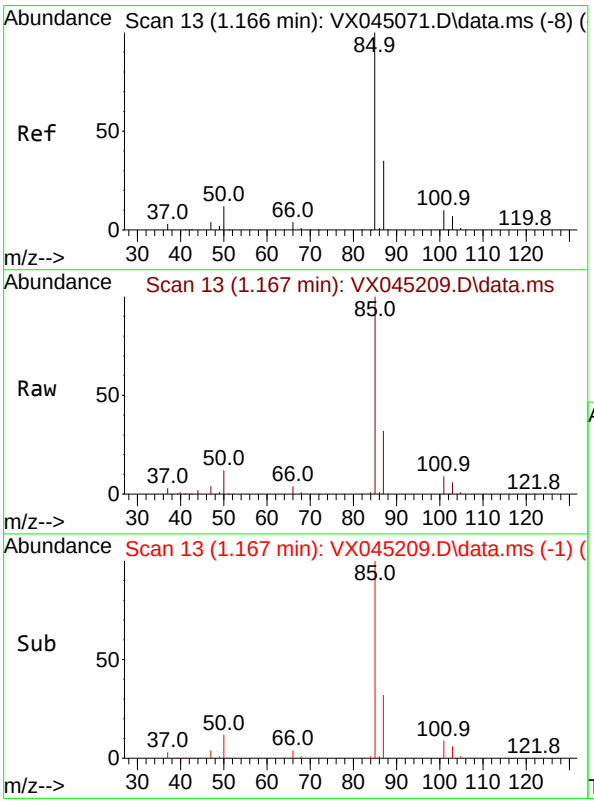
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 89805

Ion	Ratio	Lower	Upper
168	100		
99	65.2	48.2	72.4

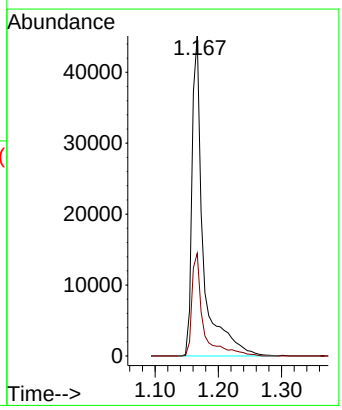


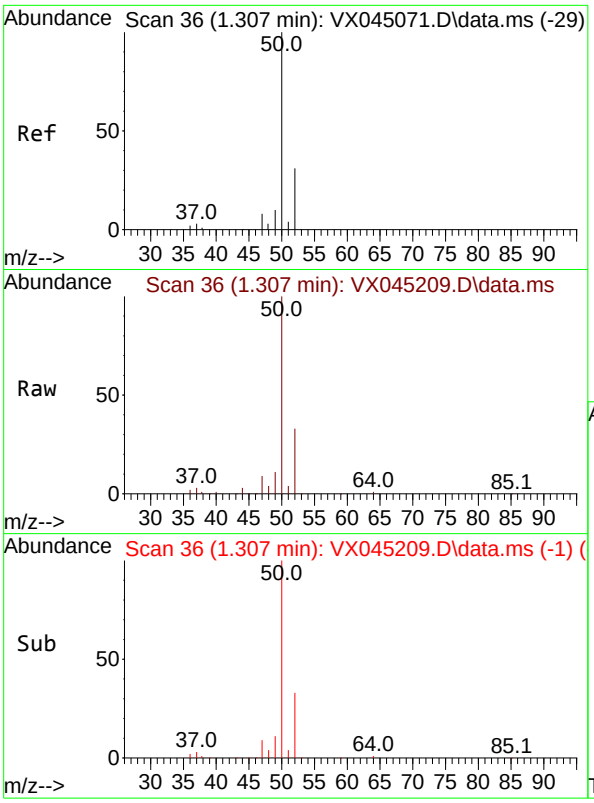


#2
Dichlorodifluoromethane
Concen: 49.599 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 85 Resp: 56068

Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.4	52.3



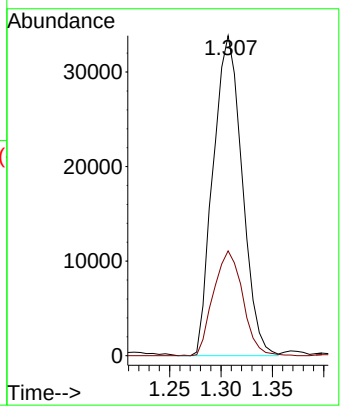


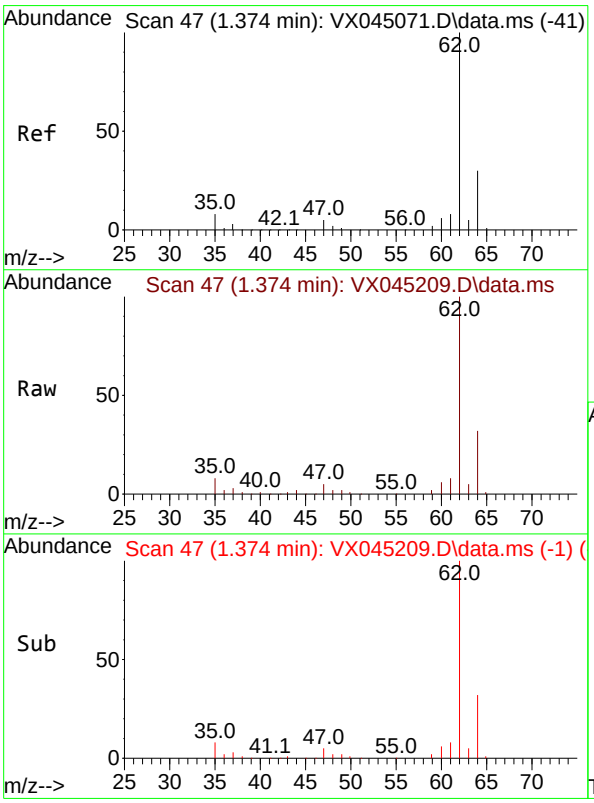
#3
Chloromethane
Concen: 48.025 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 66438

Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.0	37.4

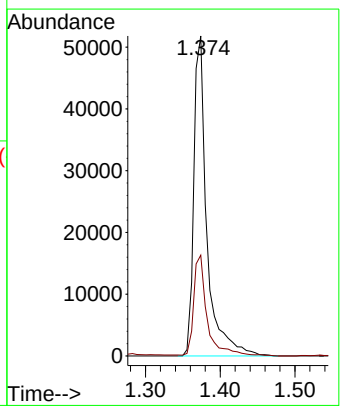


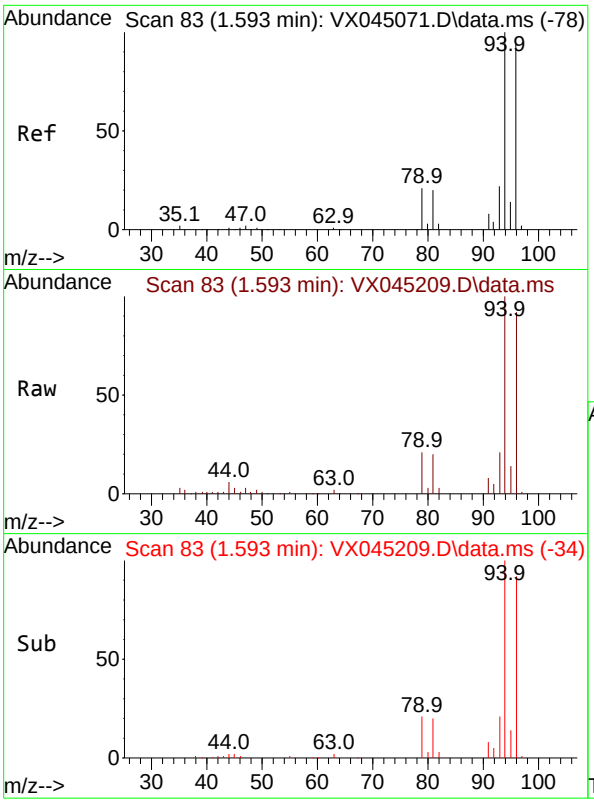


#4
Vinyl Chloride
Concen: 45.773 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 62 Resp: 62817

Ion	Ratio	Lower	Upper
62	100		
64	31.5	24.3	36.5



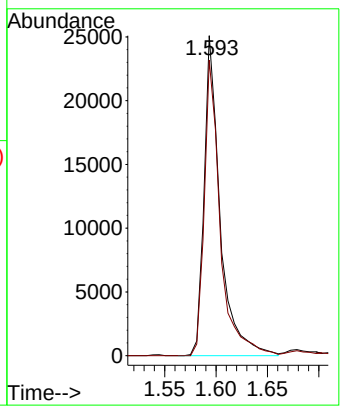


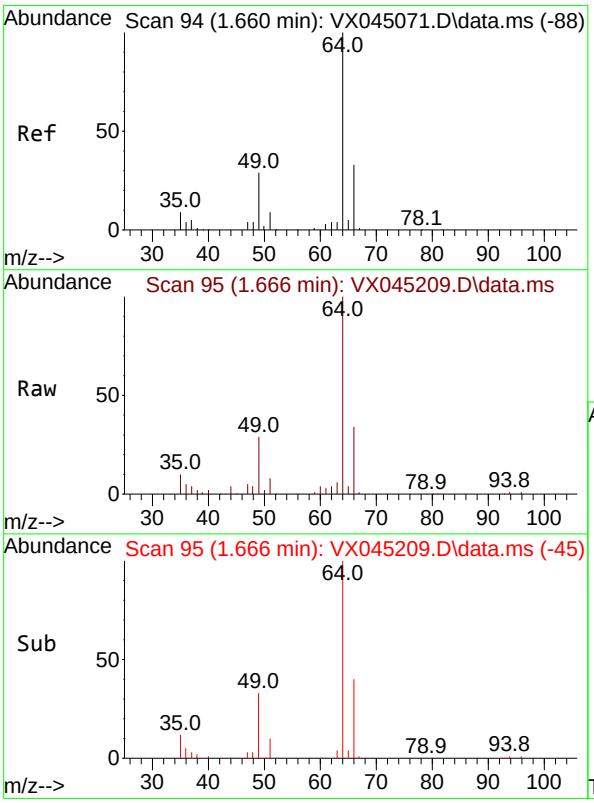
#5
Bromomethane
Concen: 50.673 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 27338

Ion	Ratio	Lower	Upper
94	100		
96	92.3	75.0	112.4

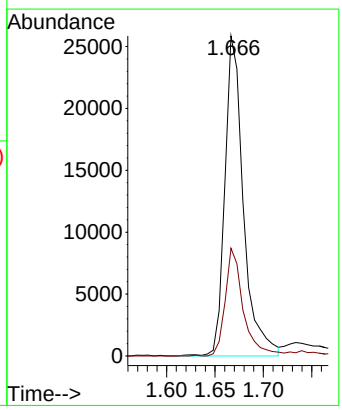


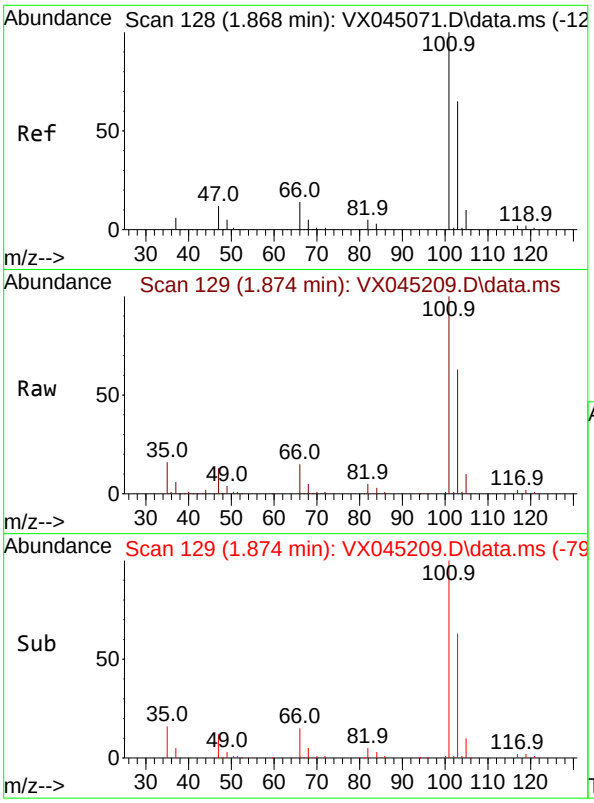


#6
Chloroethane
Concen: 54.440 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 64 Resp: 34461

Ion	Ratio	Lower	Upper
64	100		
66	33.7	26.7	40.1



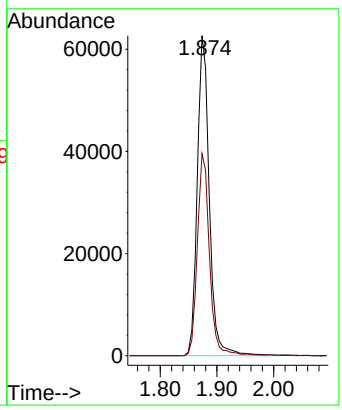


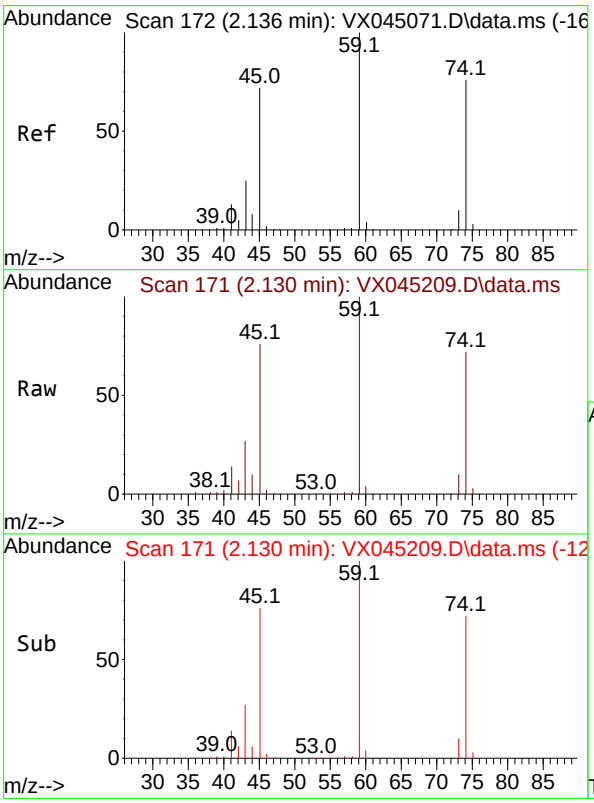
#7
Trichlorofluoromethane
Concen: 50.823 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 92332

Ion	Ratio	Lower	Upper
101	100		
103	63.1	52.1	78.1

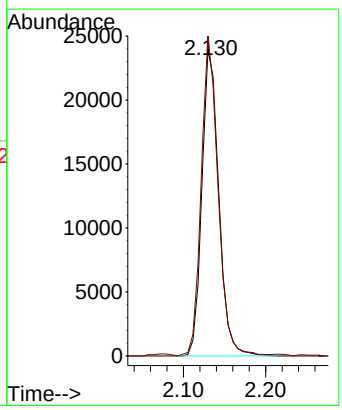


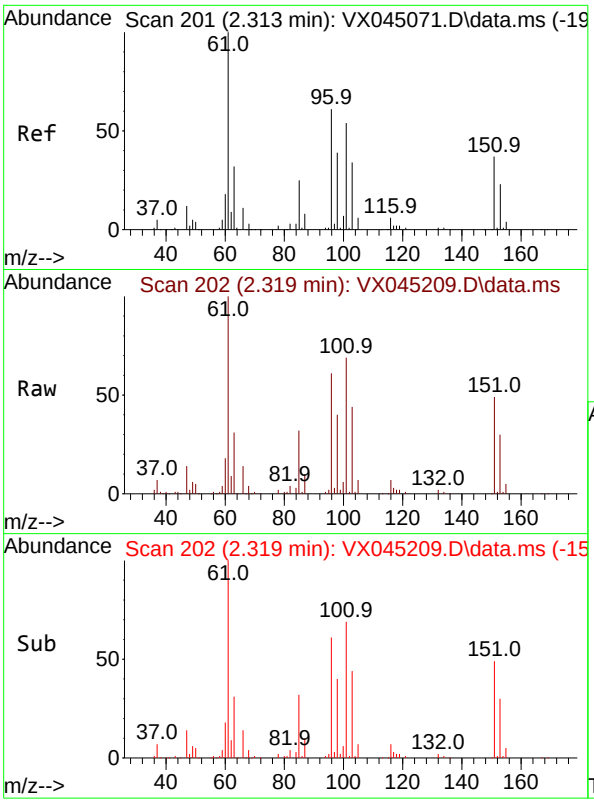


#8
Diethyl Ether
Concen: 48.131 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 74 Resp: 34202

Ion	Ratio	Lower	Upper
74	100		
45	104.4	51.5	154.5



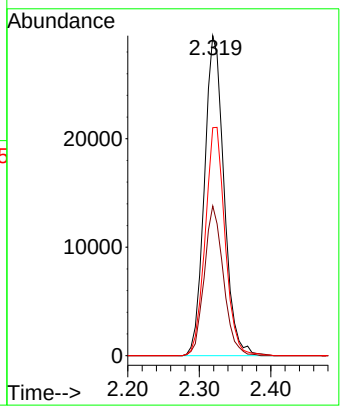


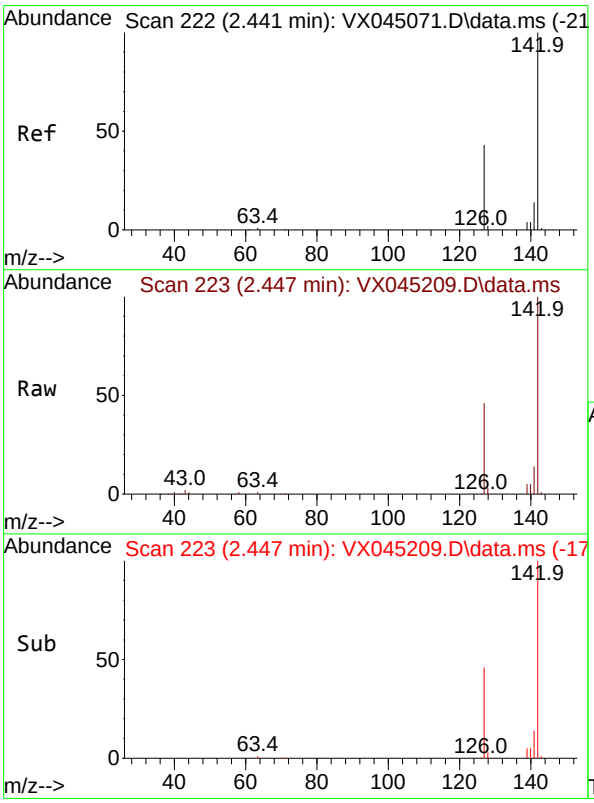
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.761 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 56114

Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.2	54.4
151	72.2	56.4	84.6

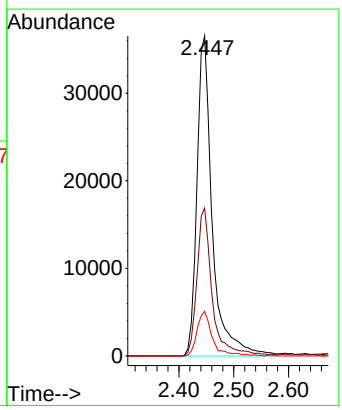


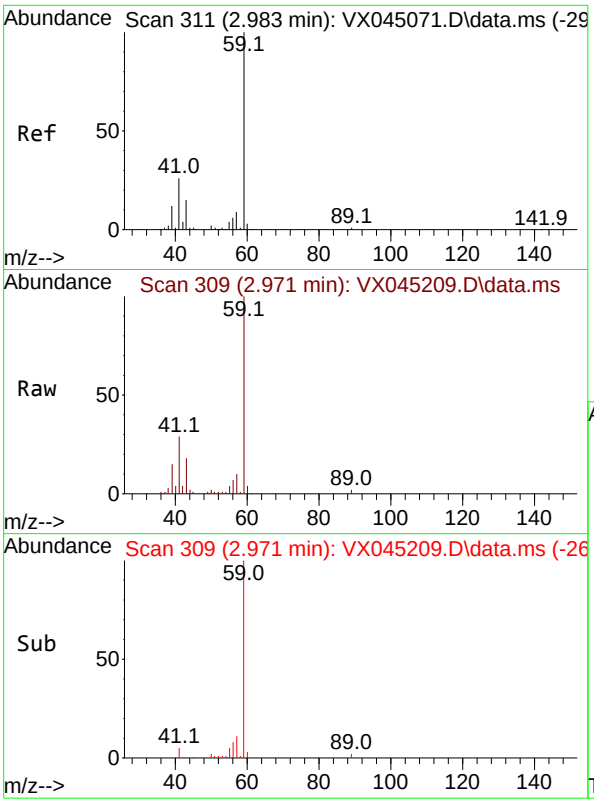


#10
Methyl Iodide
Concen: 54.565 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:142 Resp: 71173

Ion	Ratio	Lower	Upper
142	100		
127	45.6	35.4	53.2
141	14.0	11.6	17.4



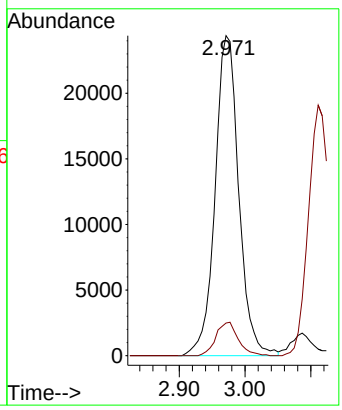


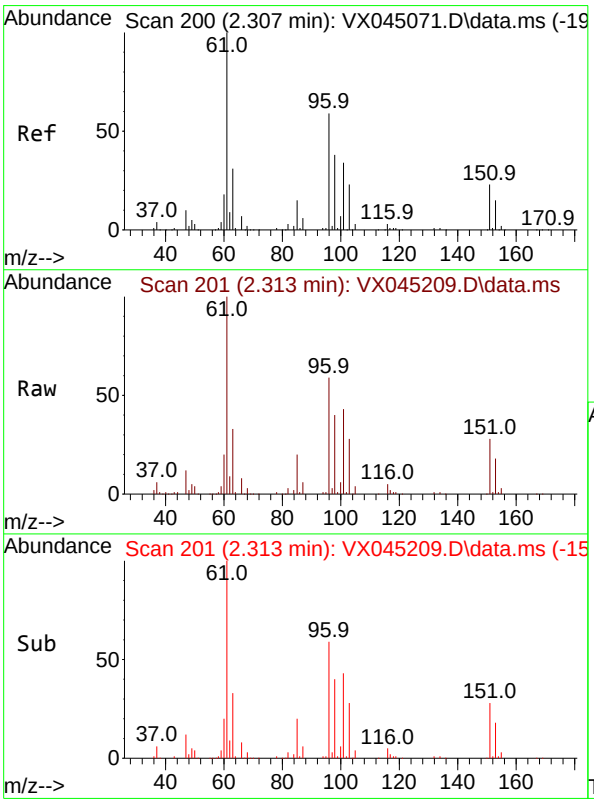
#11
Tert butyl alcohol
Concen: 225.688 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 61066

Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

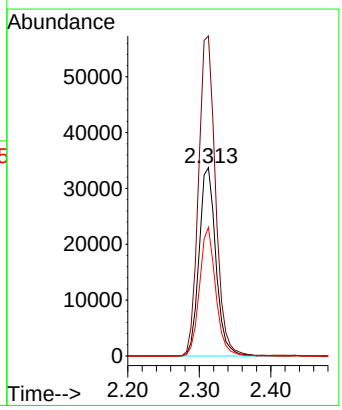


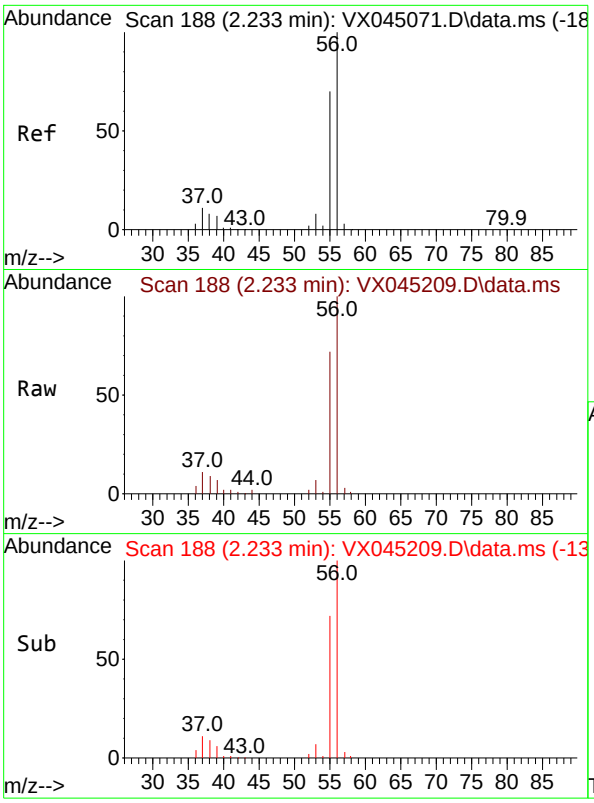


#12
1,1-Dichloroethene
Concen: 49.795 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 96 Resp: 54950

Ion	Ratio	Lower	Upper
96	100		
61	170.0	134.6	202.0
98	68.3	51.0	76.6



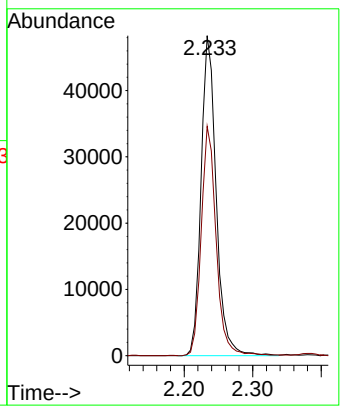


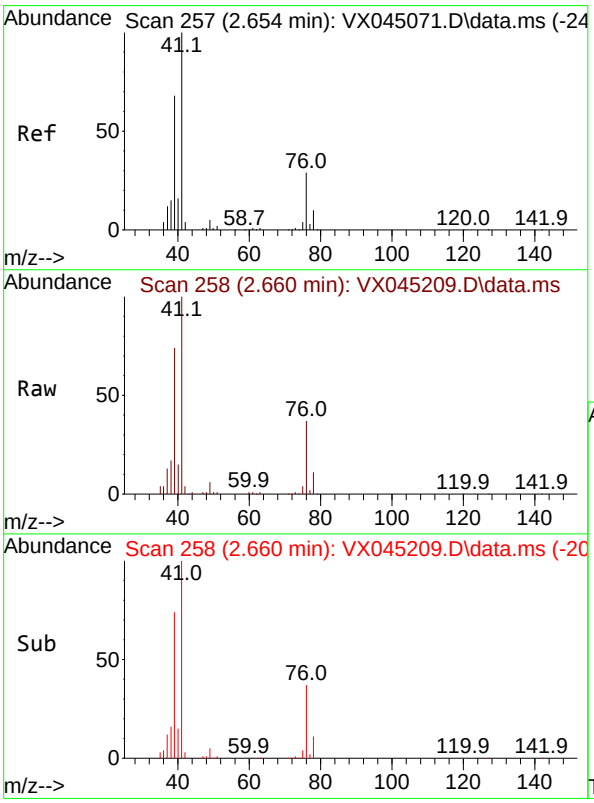
#13
Acrolein
Concen: 237.014 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 74133

Ion	Ratio	Lower	Upper
56	100		
55	70.9	56.2	84.4

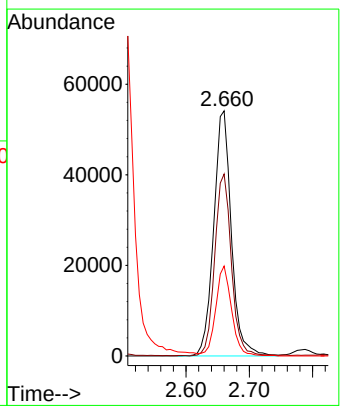


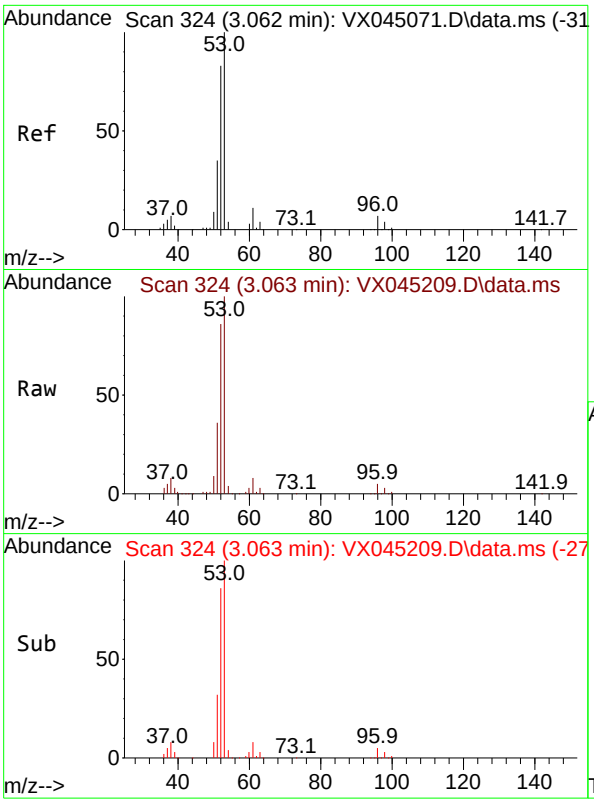


#14
Allyl chloride
Concen: 53.441 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 41 Resp: 104974

Ion	Ratio	Lower	Upper
41	100		
39	70.0	53.8	80.8
76	32.8	25.2	37.8



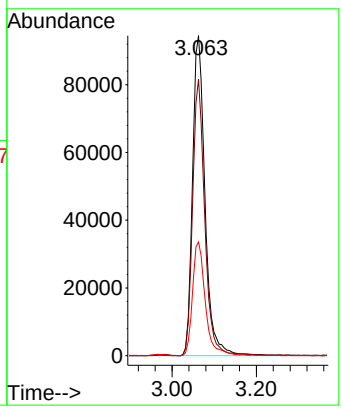


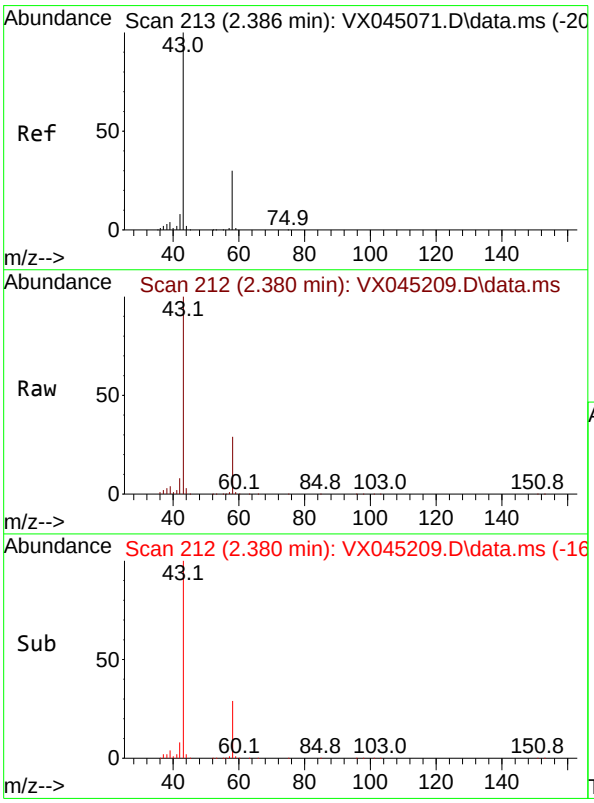
#15
Acrylonitrile
Concen: 268.846 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 194961

Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.2	99.2
51	36.6	29.0	43.4

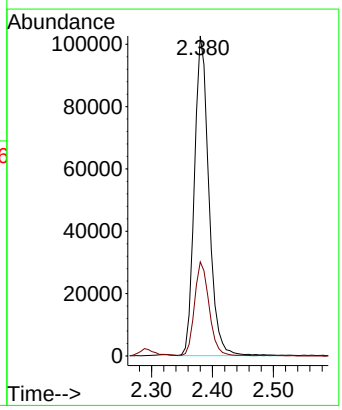


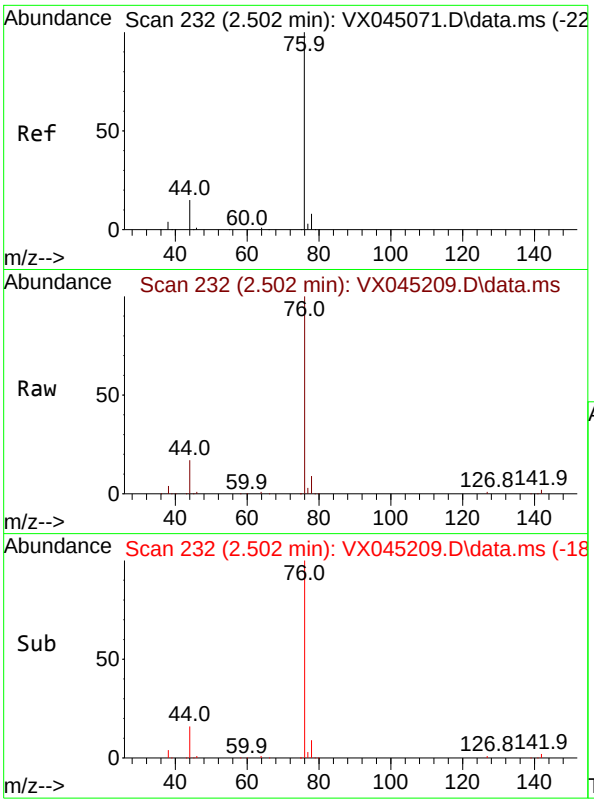


#16
Acetone
Concen: 254.865 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 43 Resp: 168917

Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.2	36.4



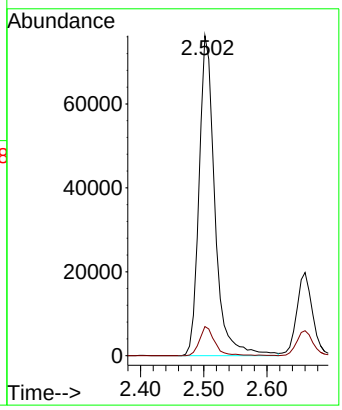


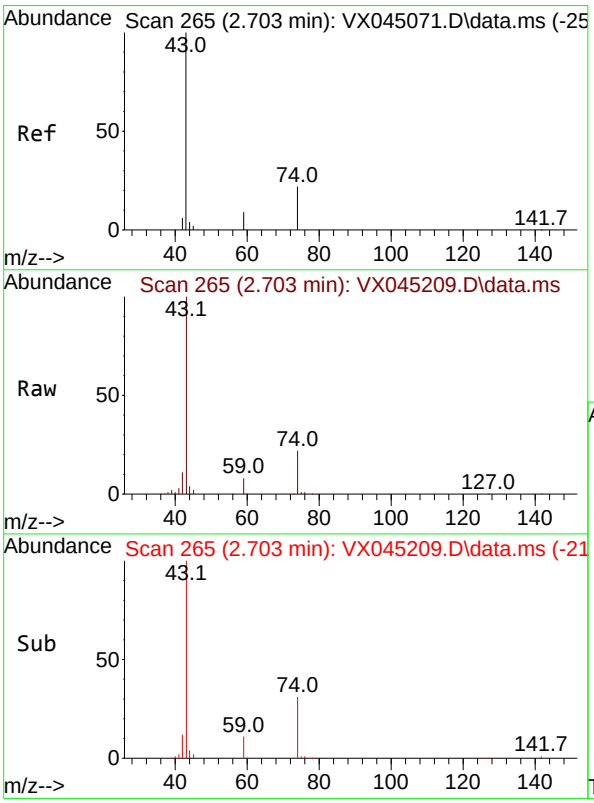
#17
Carbon Disulfide
Concen: 45.192 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 132826

Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.6	9.8

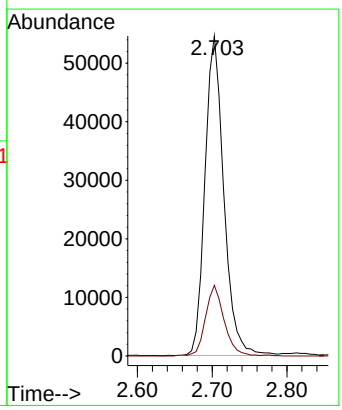


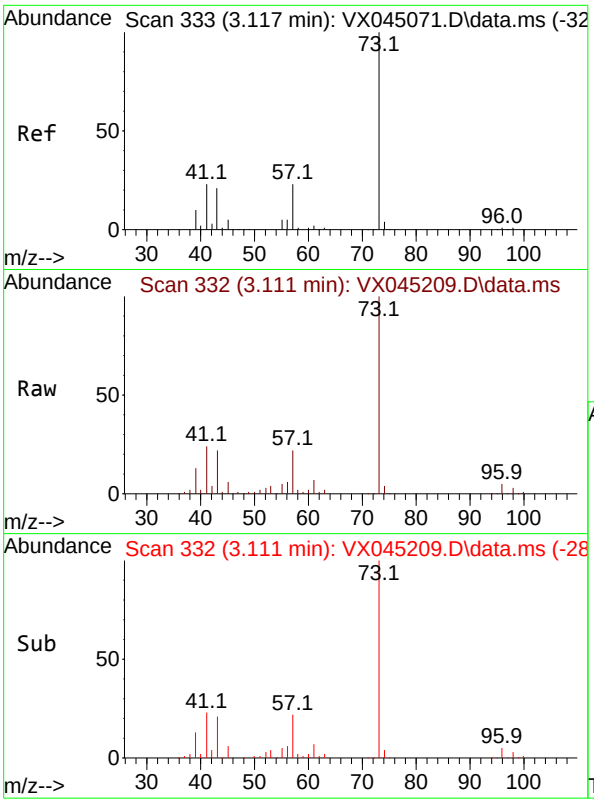


#18
Methyl Acetate
Concen: 59.975 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 43 Resp: 95625

Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.4	26.2



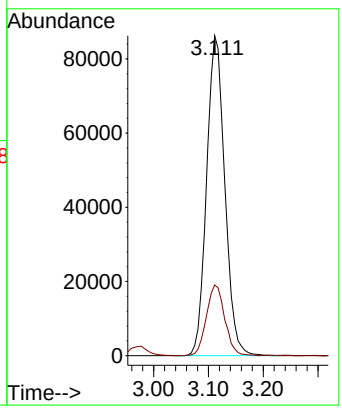


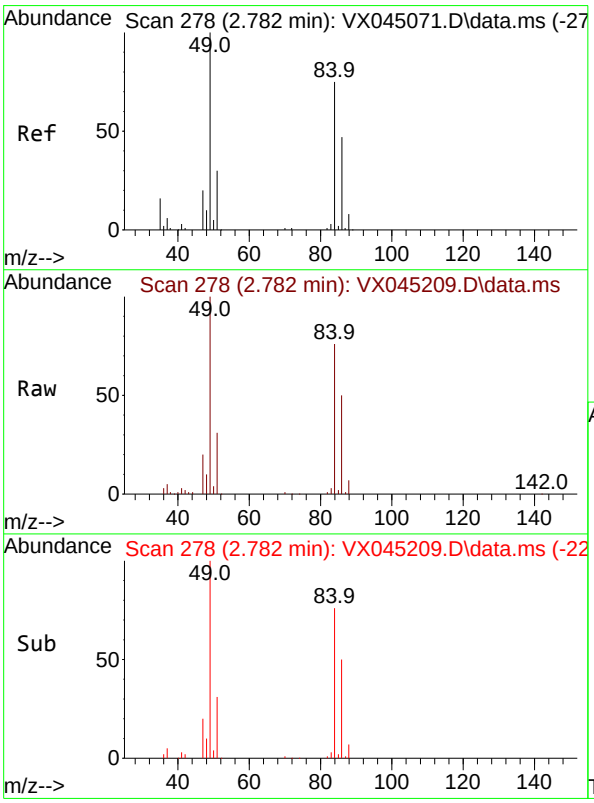
#19
Methyl tert-butyl Ether
Concen: 53.586 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 198391

Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.5	27.7

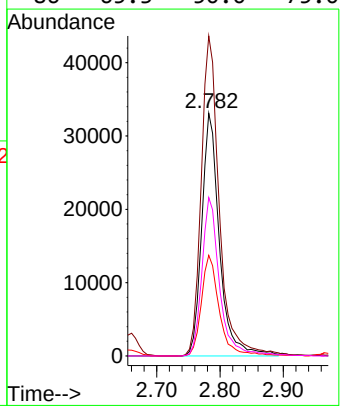


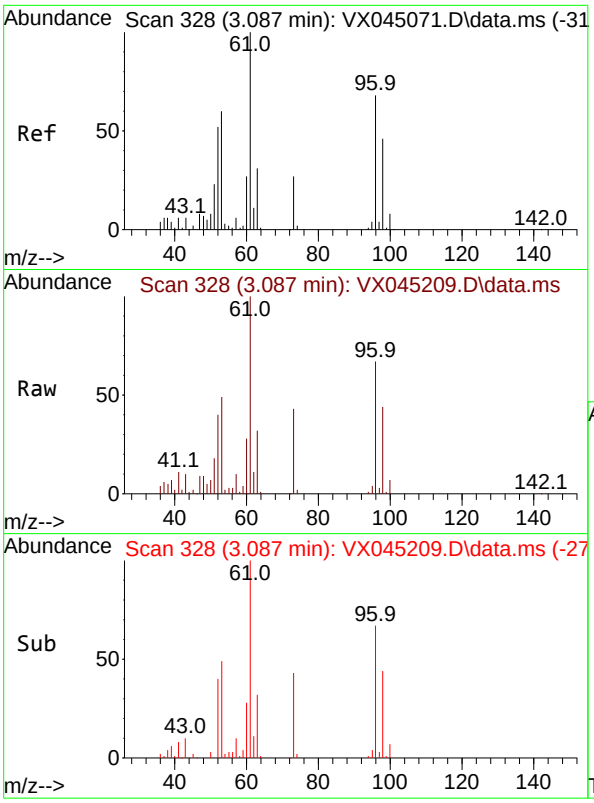


#20
Methylene Chloride
Concen: 49.218 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 84 Resp: 64617

Ion	Ratio	Lower	Upper
84	100		
49	131.9	106.5	159.7
51	41.5	32.1	48.1
86	65.3	50.0	75.0



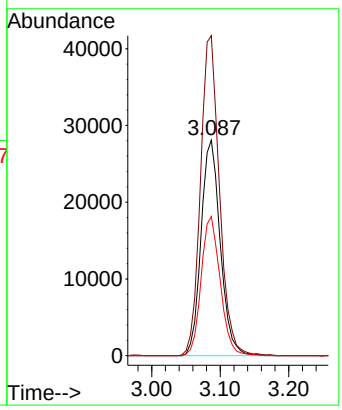


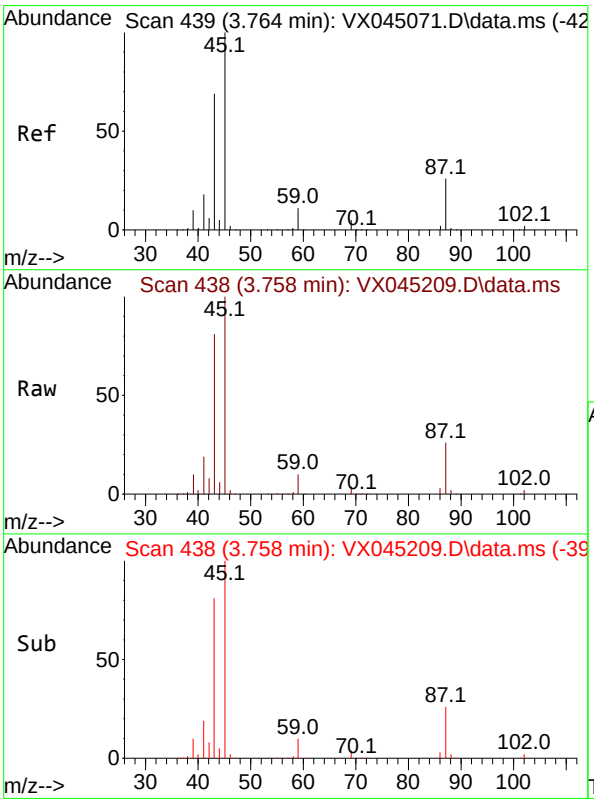
#21
trans-1,2-Dichloroethene
Concen: 50.342 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 54883

Ion	Ratio	Lower	Upper
96	100		
61	148.4	117.0	175.4
98	64.6	53.4	80.2

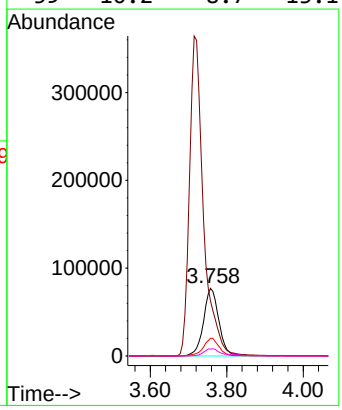


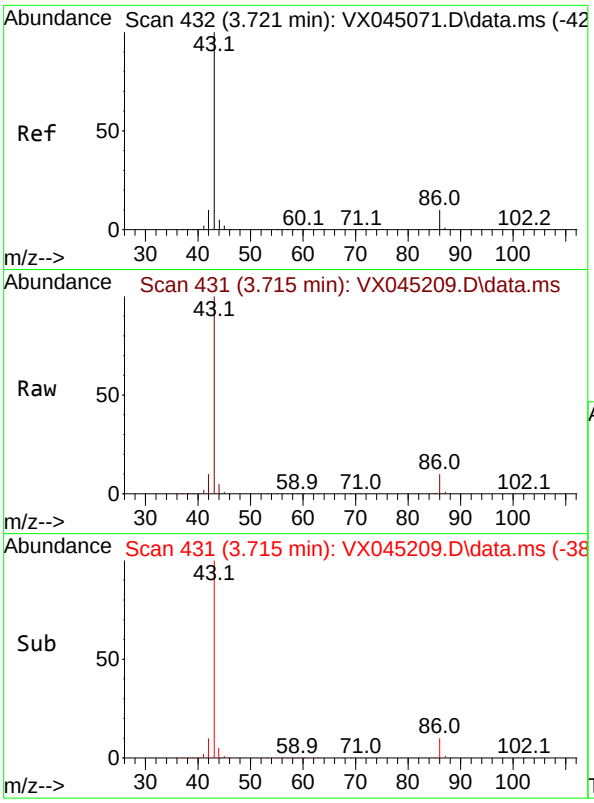


#22
Diisopropyl ether
Concen: 53.946 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 45 Resp: 215508

Ion	Ratio	Lower	Upper
45	100		
43	80.9	54.9	82.3
87	26.3	21.0	31.4
59	10.2	8.7	13.1



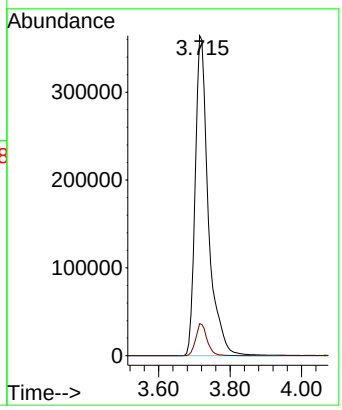


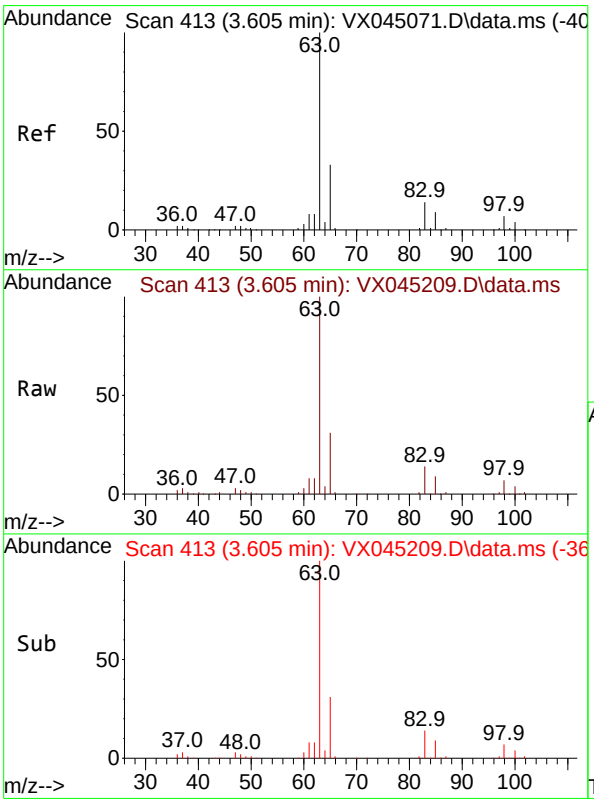
#23
Vinyl Acetate
Concen: 278.666 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 929015

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

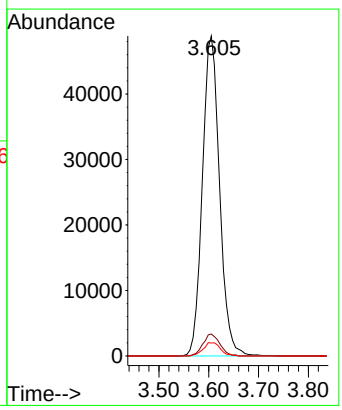


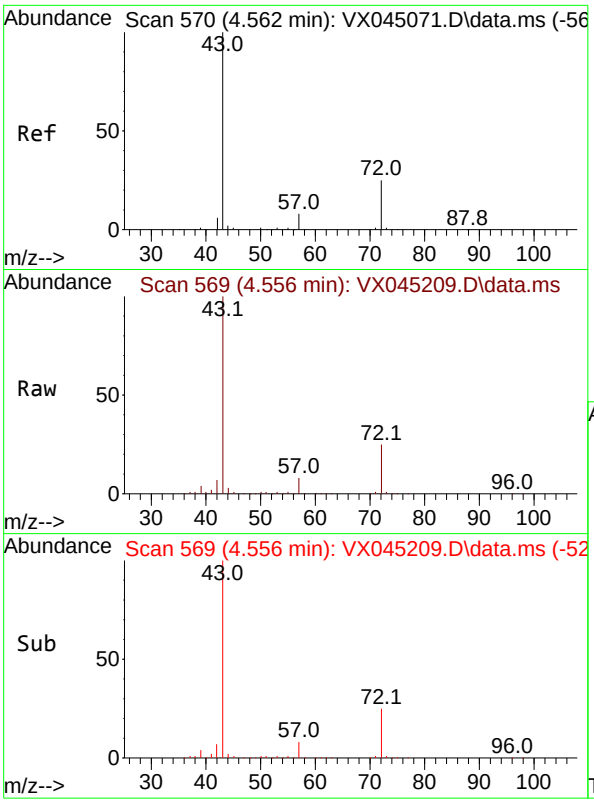


#24
1,1-Dichloroethane
Concen: 52.153 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 63 Resp: 116765

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.0	2.1	6.5



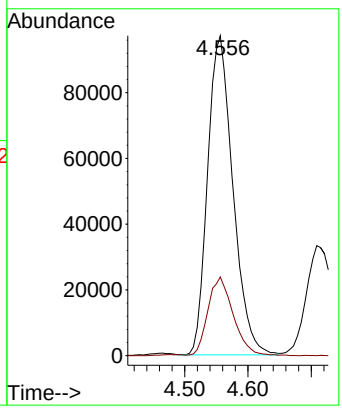


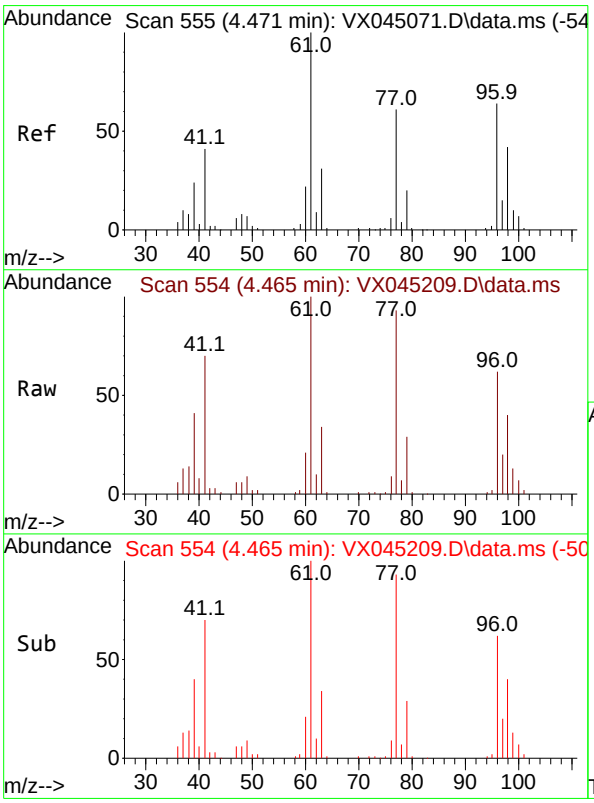
#25
2-Butanone
Concen: 270.518 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 269878

Ion	Ratio	Lower	Upper
43	100		
72	24.5	20.0	30.0

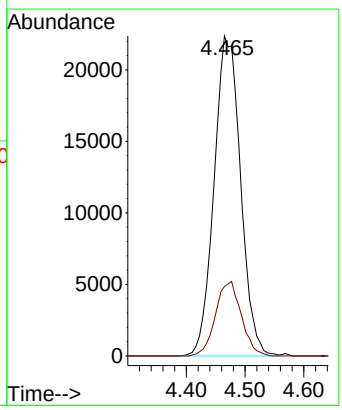


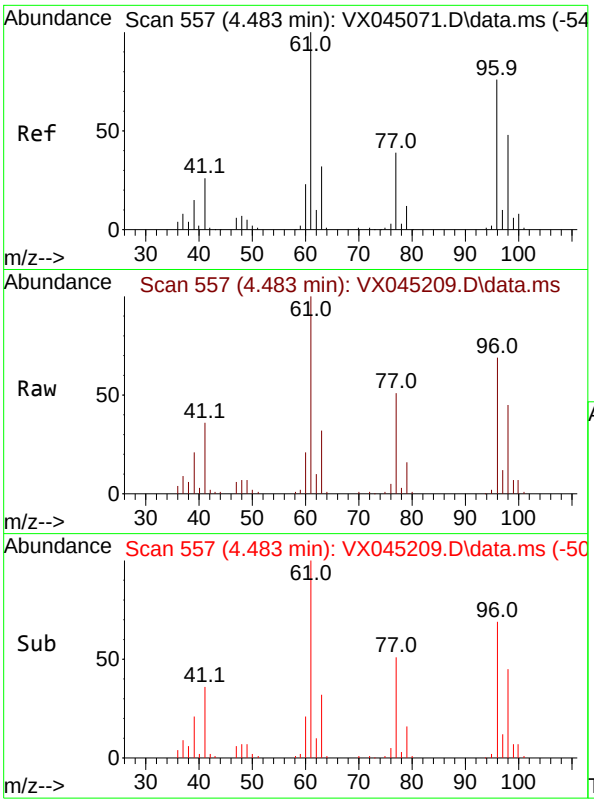


#26
2,2-Dichloropropane
Concen: 66.684 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 77 Resp: 70028

Ion	Ratio	Lower	Upper
77	100		
97	22.7	12.4	37.0



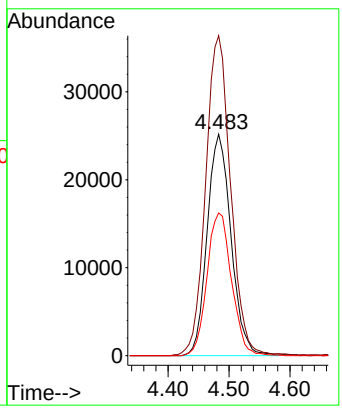


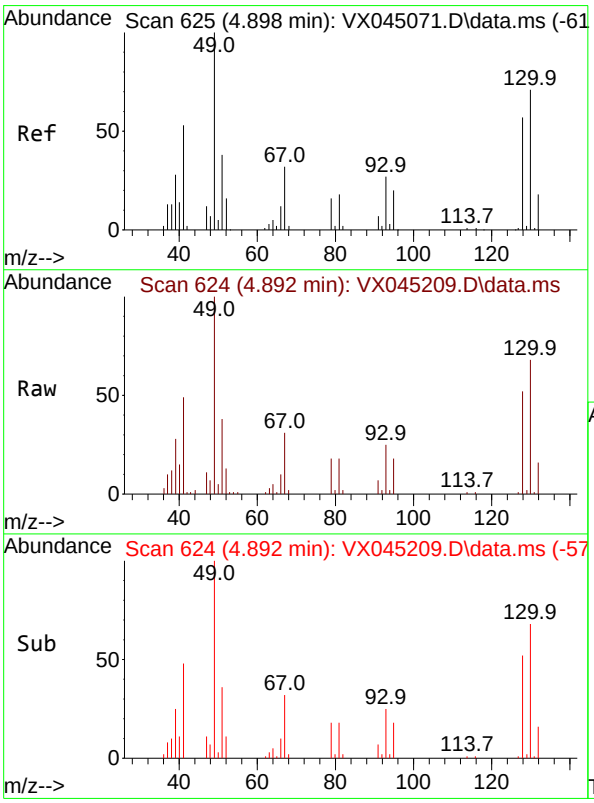
#27
cis-1,2-Dichloroethene
Concen: 51.038 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 68687

Ion	Ratio	Lower	Upper
96	100		
61	151.0	0.0	283.2
98	66.1	0.0	128.0

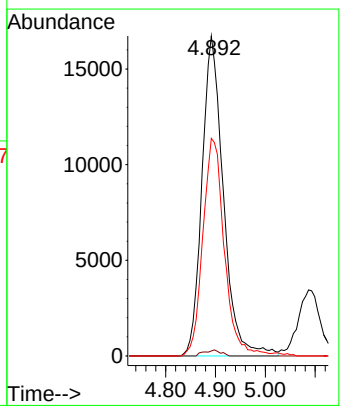


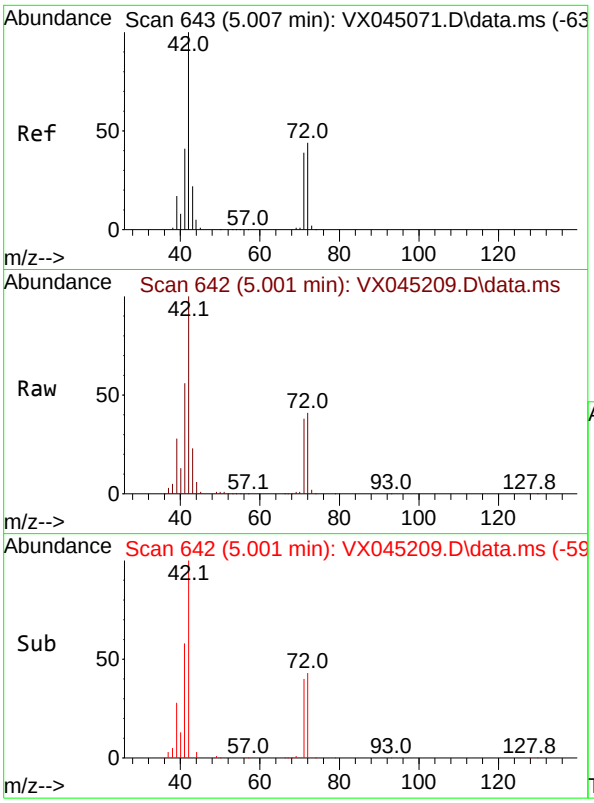


#28
Bromochloromethane
Concen: 46.695 ug/l
RT: 4.892 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 49 Resp: 49831

Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	68.0	56.1	84.1



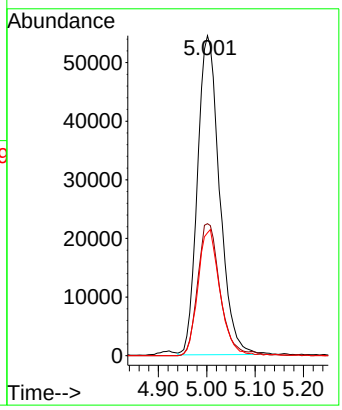


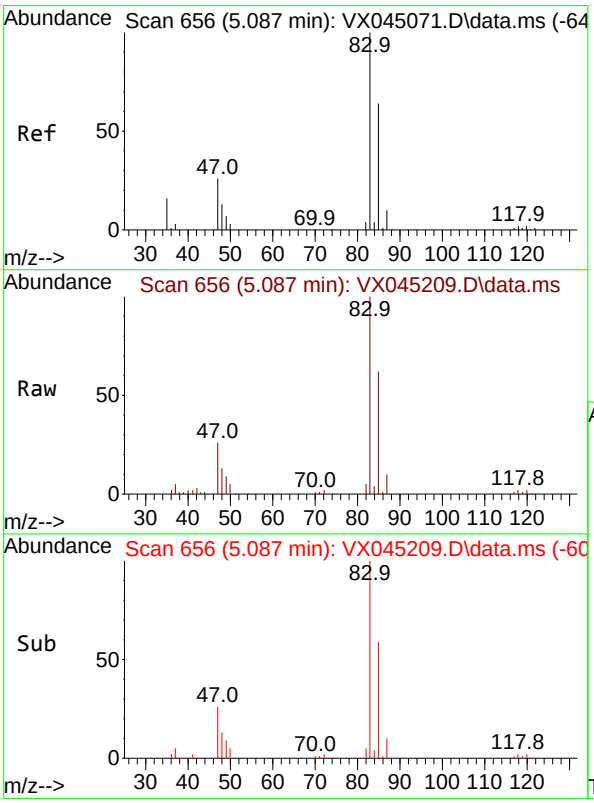
#29
Tetrahydrofuran
Concen: 257.939 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 172809

Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	39.2	31.4	47.0

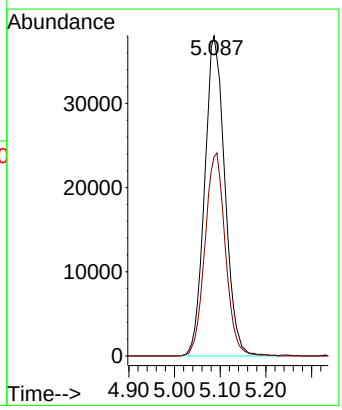


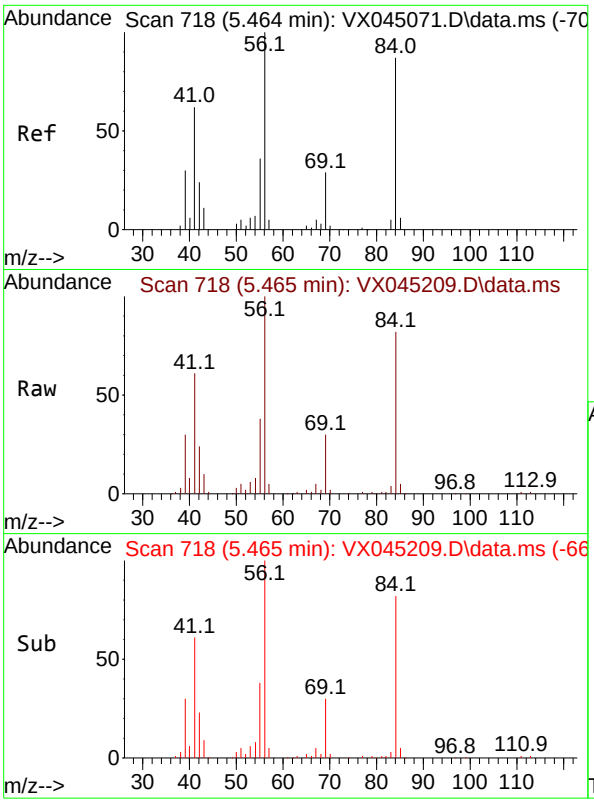


#30
Chloroform
Concen: 52.604 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 83 Resp: 117022

Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.4	77.2



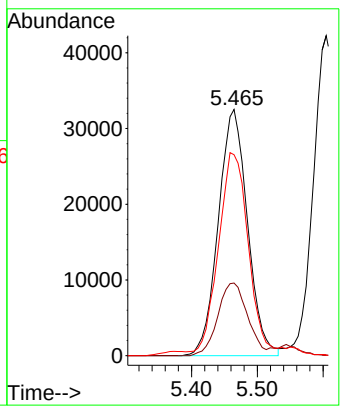


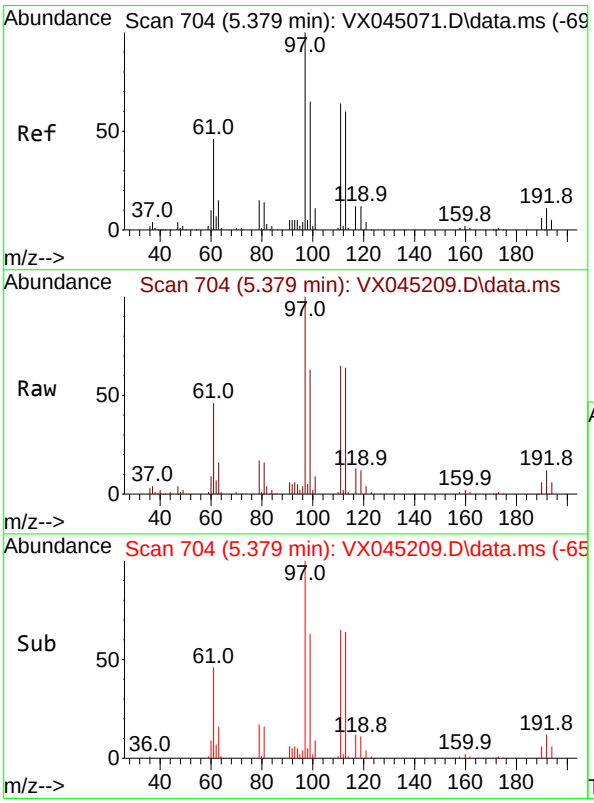
#31
Cyclohexane
Concen: 51.654 ug/l
RT: 5.465 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 100388

Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.4	35.2
84	79.9	69.4	104.2

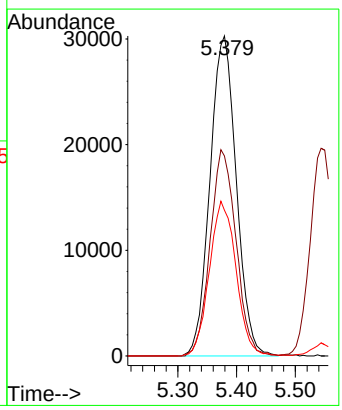


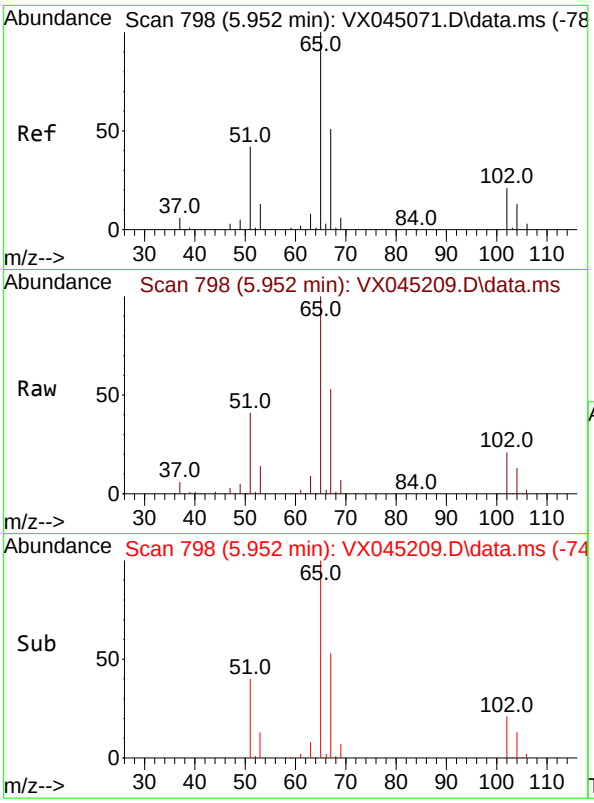


#32
1,1,1-Trichloroethane
Concen: 52.556 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 97 Resp: 94427

Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.6	77.4
61	49.1	38.4	57.6



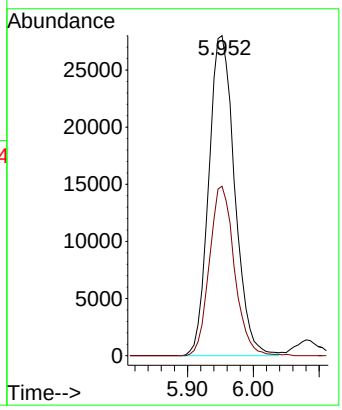


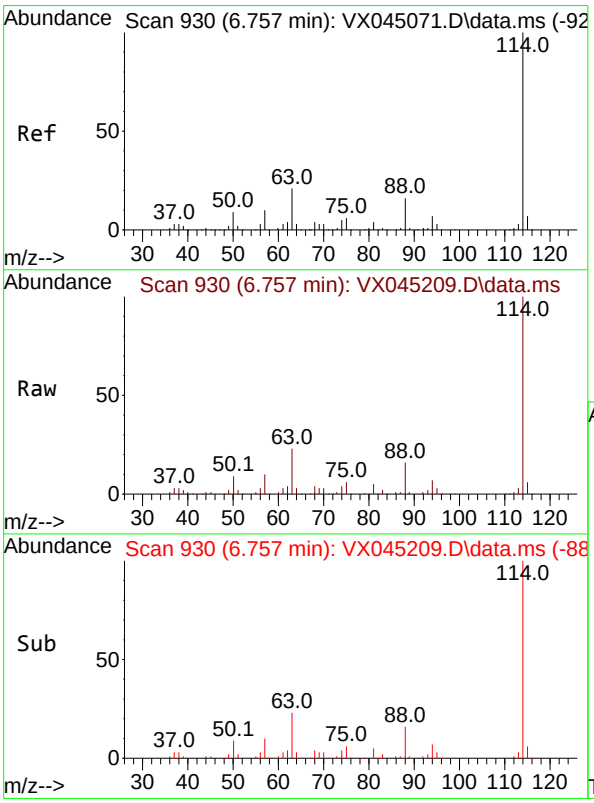
#33
1,2-Dichloroethane-d4
Concen: 53.777 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 76819

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2

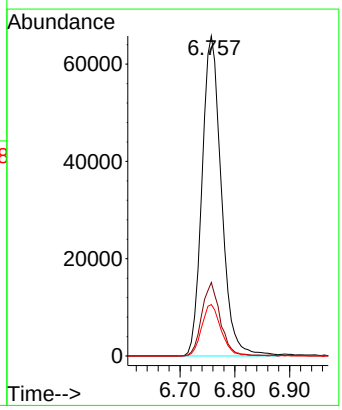


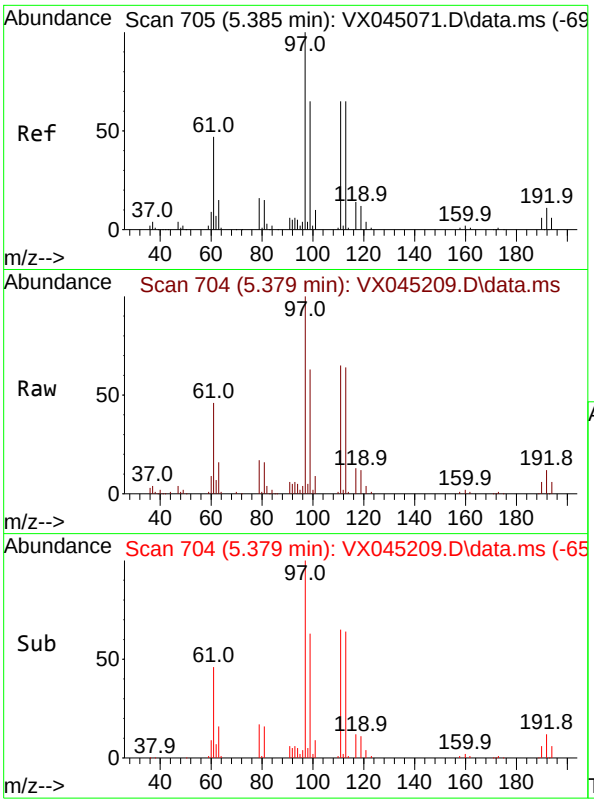


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:114 Resp: 161478

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	41.8
88	16.1	0.0	32.8



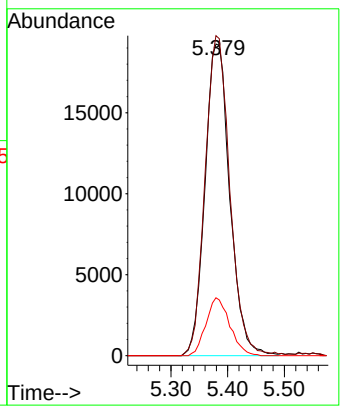


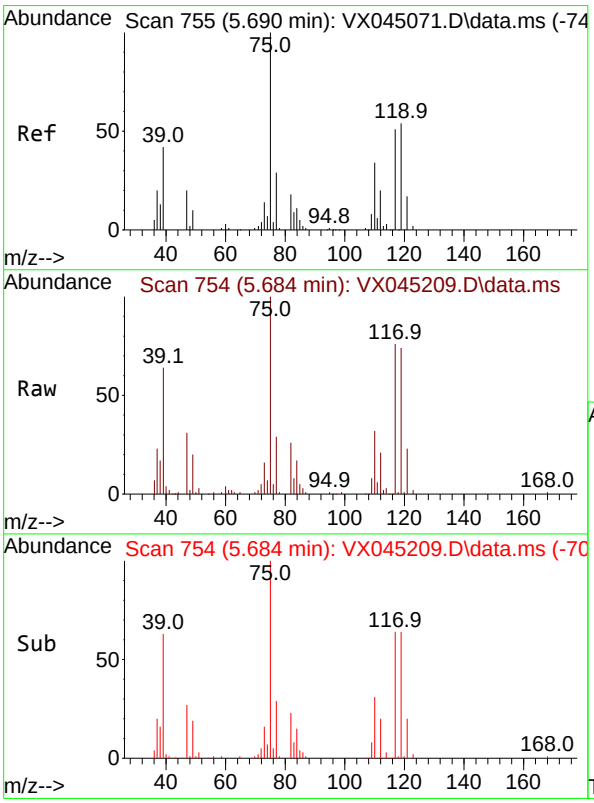
#35
Dibromofluoromethane
Concen: 54.162 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 58482

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	17.8	14.3	21.5

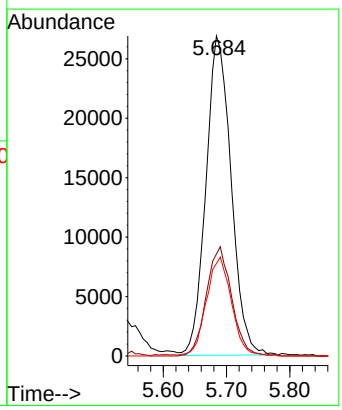


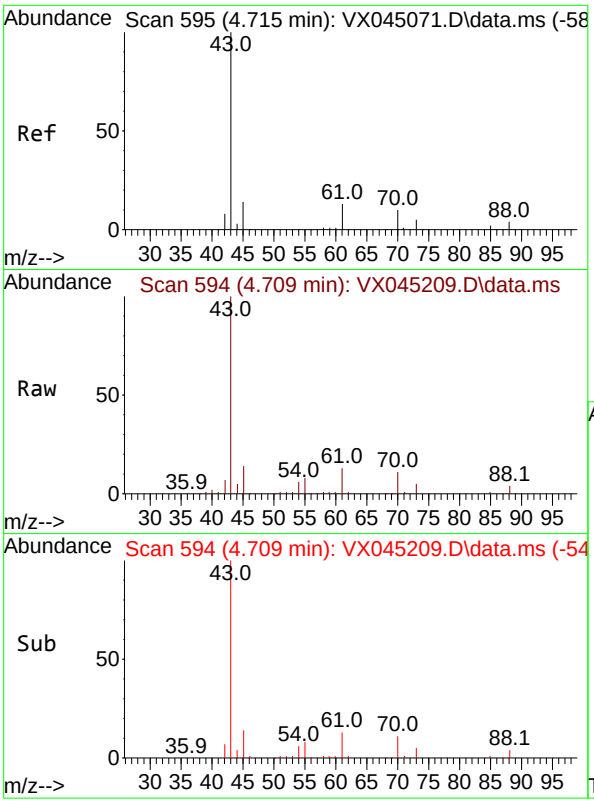


#36
1,1-Dichloropropene
Concen: 50.215 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 75 Resp: 74357

Ion	Ratio	Lower	Upper
75	100		
110	34.3	16.9	50.6
77	30.9	24.5	36.7



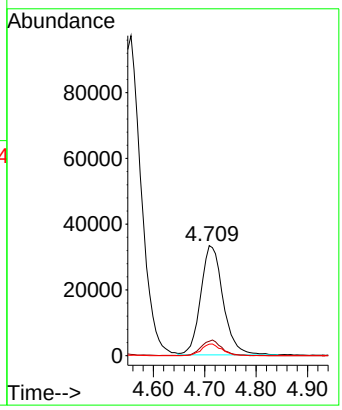


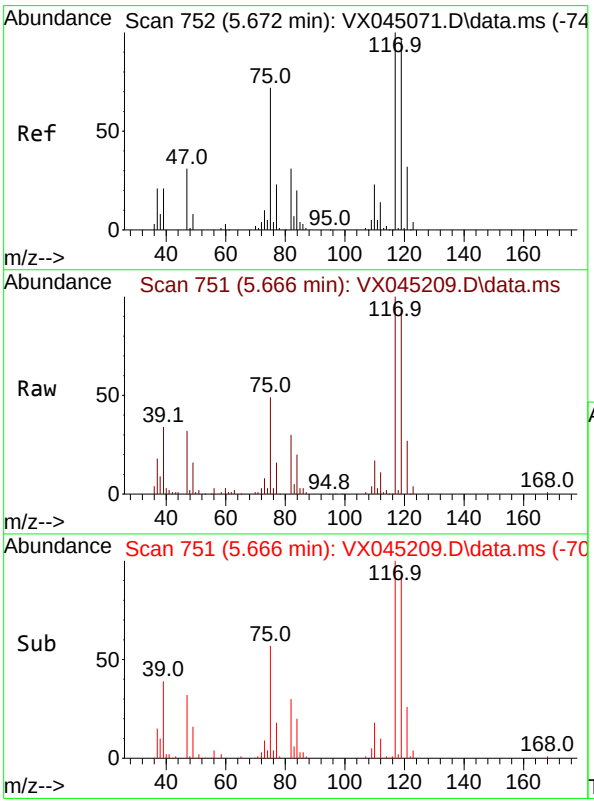
#37
Ethyl Acetate
Concen: 52.826 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 100796

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	9.8	7.7	11.5

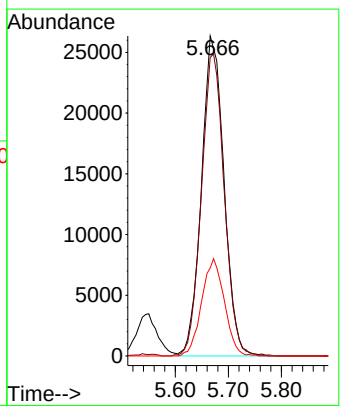


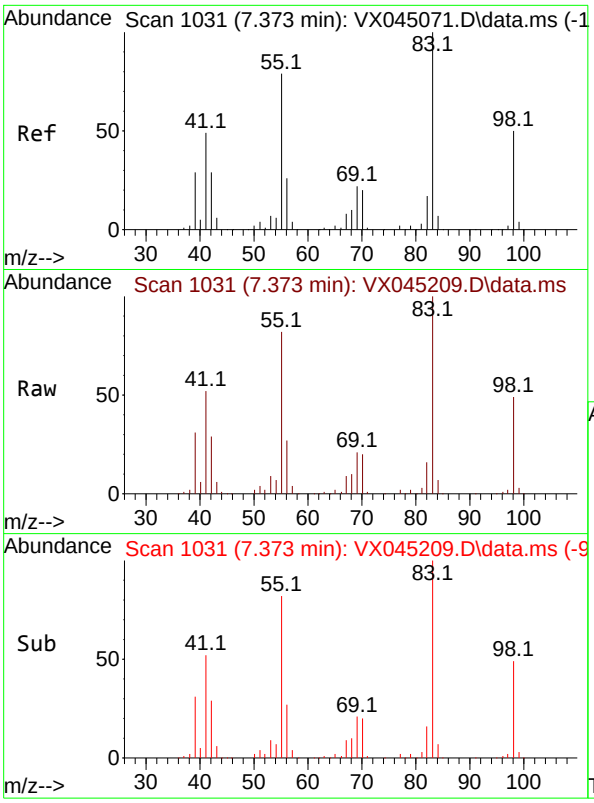


#38
Carbon Tetrachloride
Concen: 51.782 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:117 Resp: 77847

Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.7	115.1
121	27.5	25.5	38.3



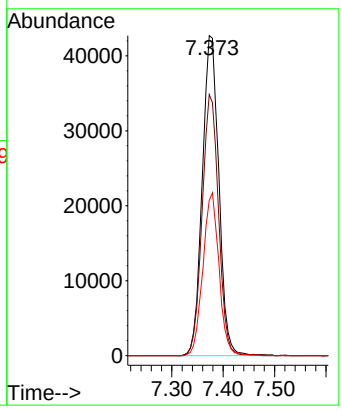


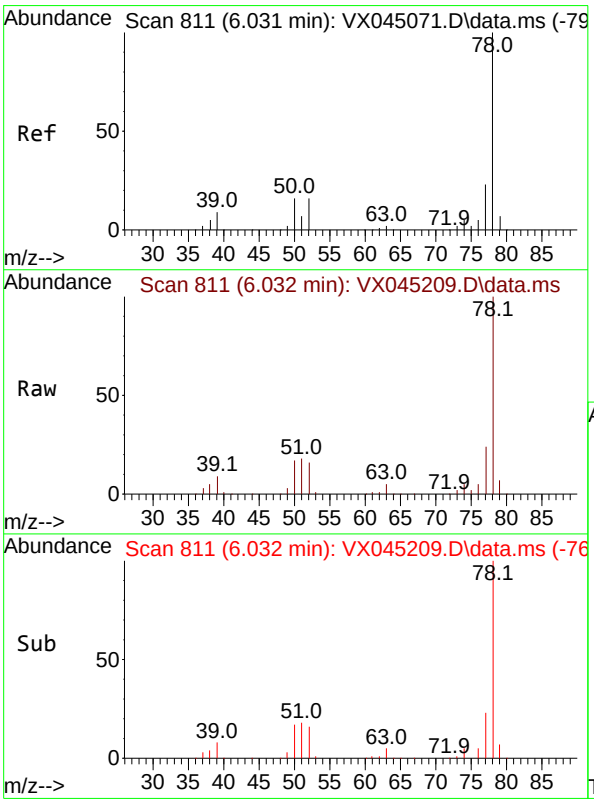
#39
Methylcyclohexane
Concen: 53.885 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 95610

Ion	Ratio	Lower	Upper
83	100		
55	81.6	63.0	94.4
98	48.5	39.7	59.5

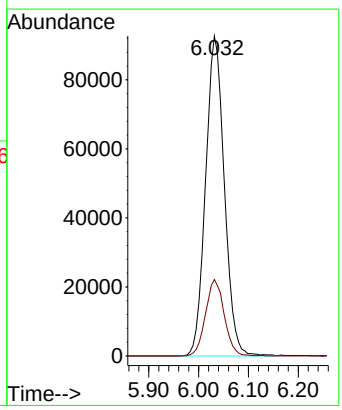


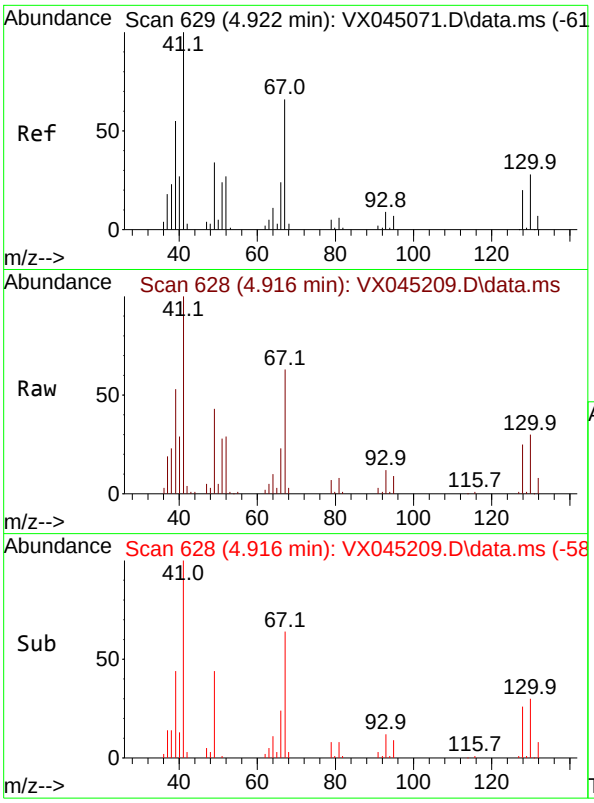


#40
Benzene
Concen: 51.762 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 78 Resp: 242037

Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2



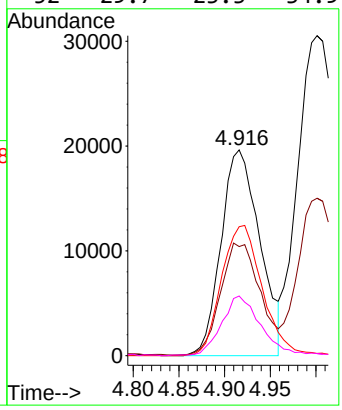


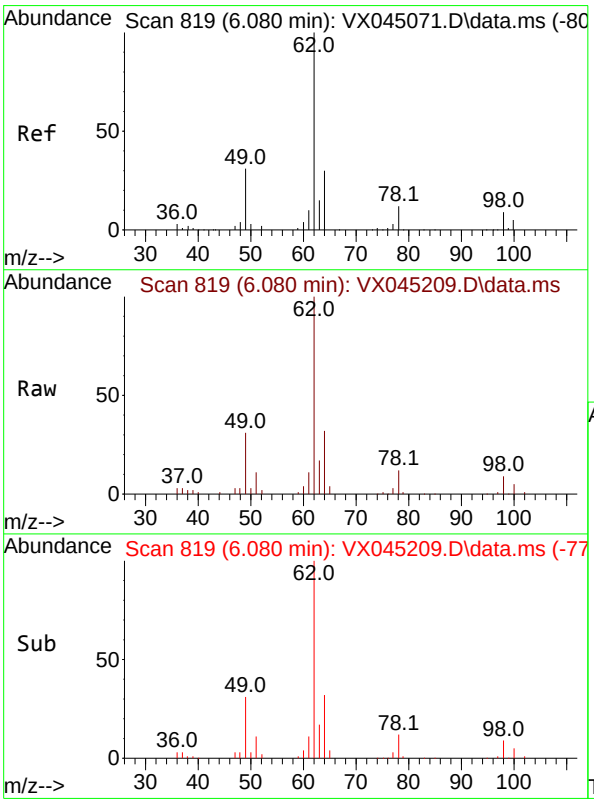
#41
Methacrylonitrile
Concen: 56.278 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 58064

Ion	Ratio	Lower	Upper
41	100		
39	55.5	44.6	67.0
67	66.8	53.9	80.9
52	29.7	23.3	34.9

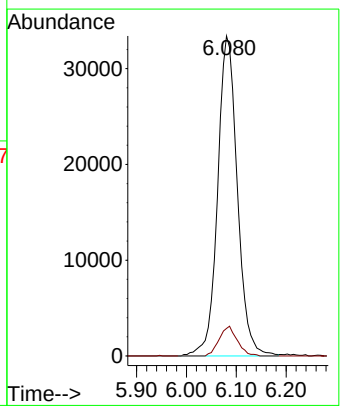


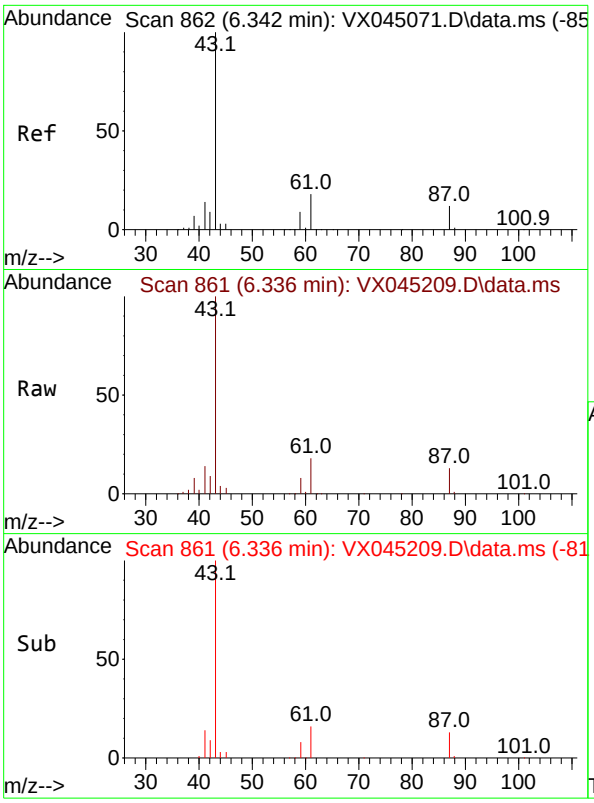


#42
1,2-Dichloroethane
Concen: 54.587 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 62 Resp: 91915

Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	18.2



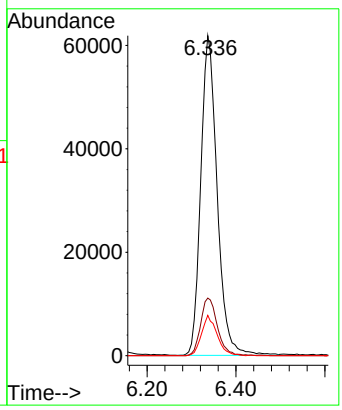


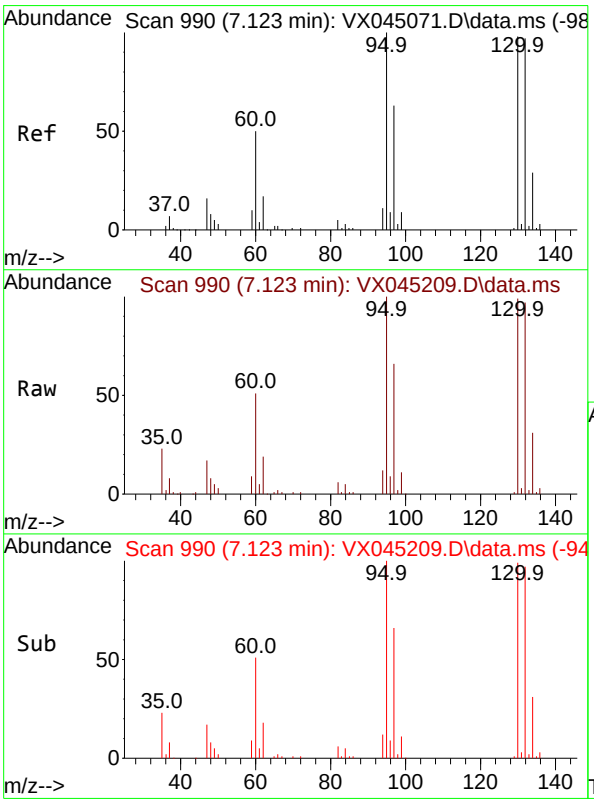
#43
Isopropyl Acetate
Concen: 56.443 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 159254

Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.9	22.3
87	11.9	9.4	14.2

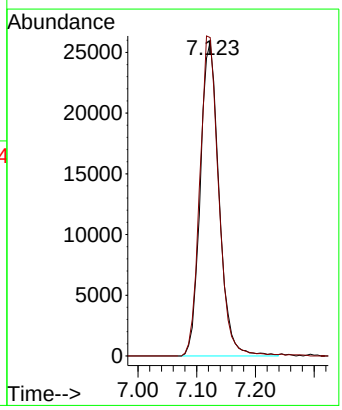


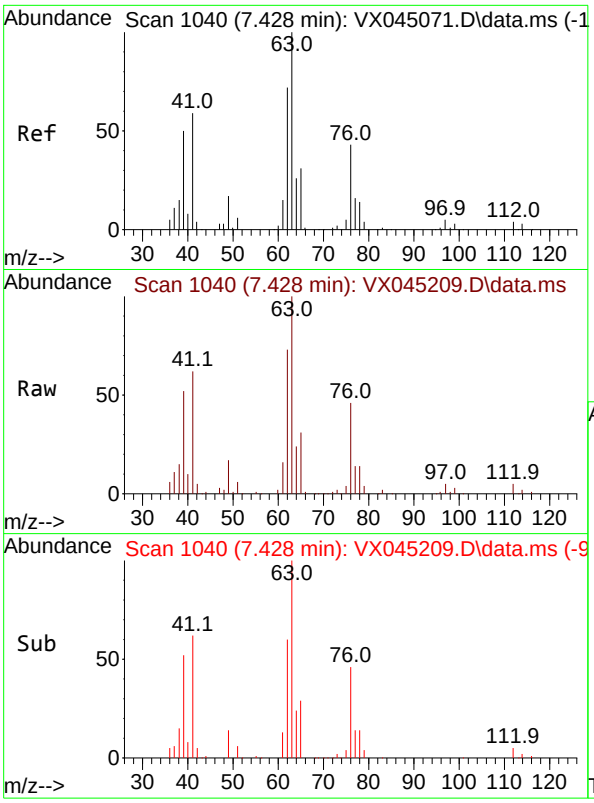


#44
Trichloroethene
Concen: 52.232 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:130 Resp: 57349

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	205.0



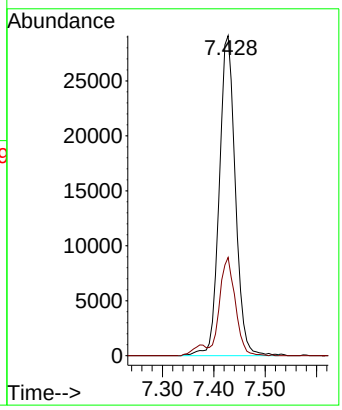


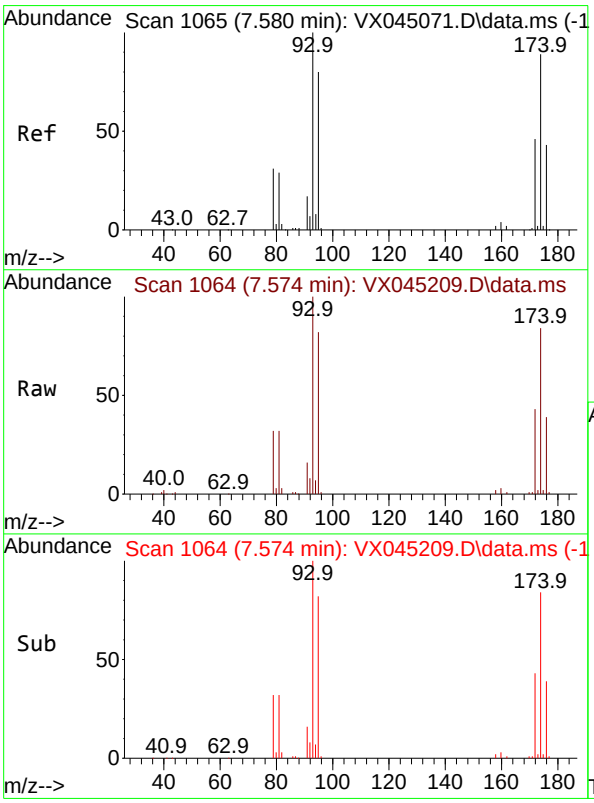
#45
1,2-Dichloropropane
Concen: 52.648 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 63296

Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.7	37.1

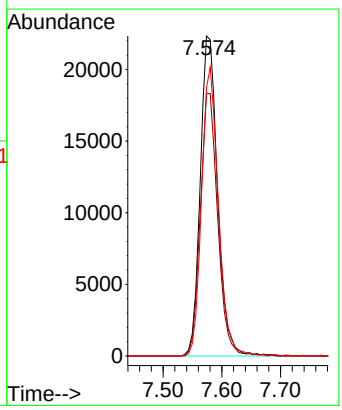


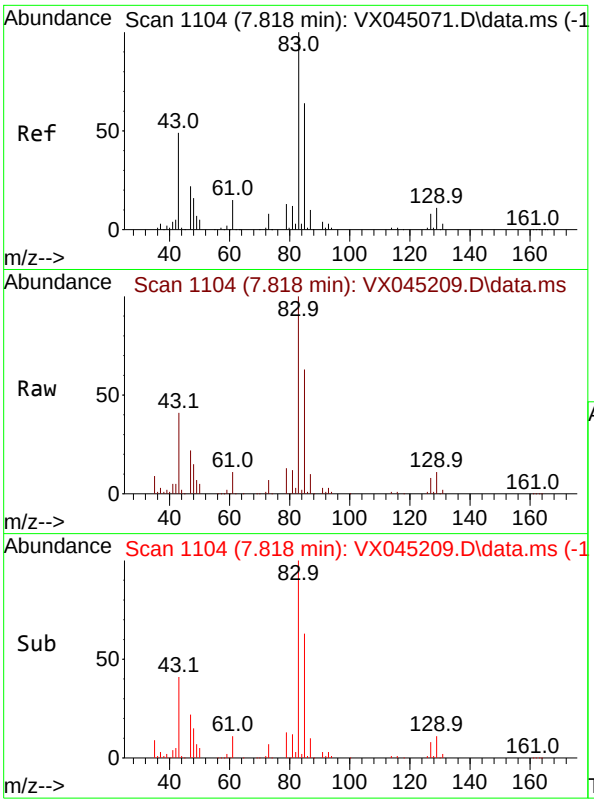


#46
Dibromomethane
Concen: 53.887 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 93 Resp: 45791

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.8	98.8
174	87.4	72.2	108.2



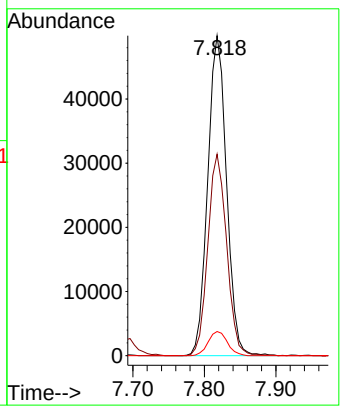


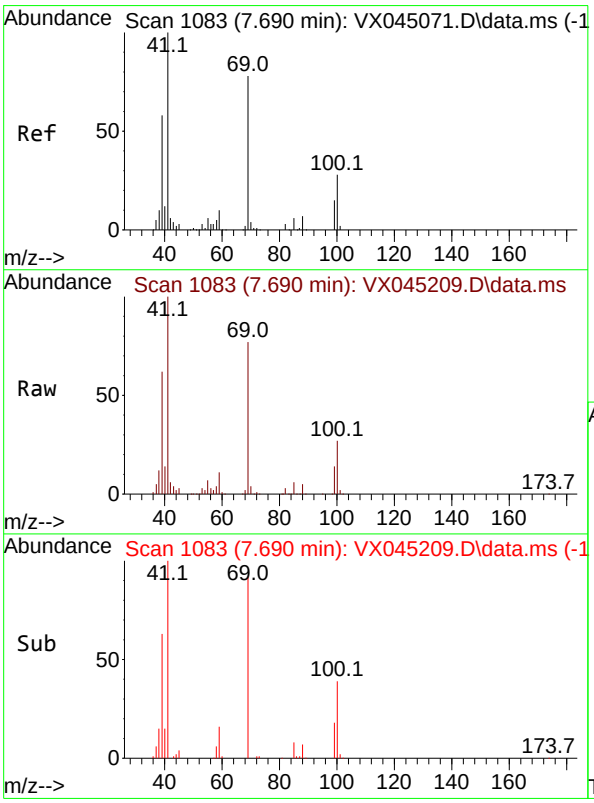
#47
Bromodichloromethane
Concen: 54.648 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 91086

Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.1	76.7
127	7.5	6.4	9.6

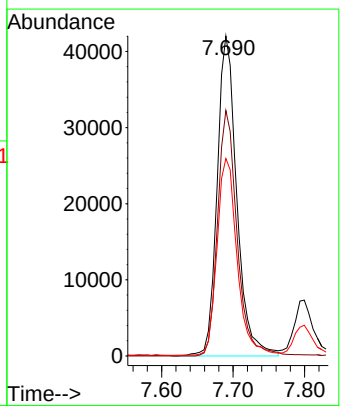


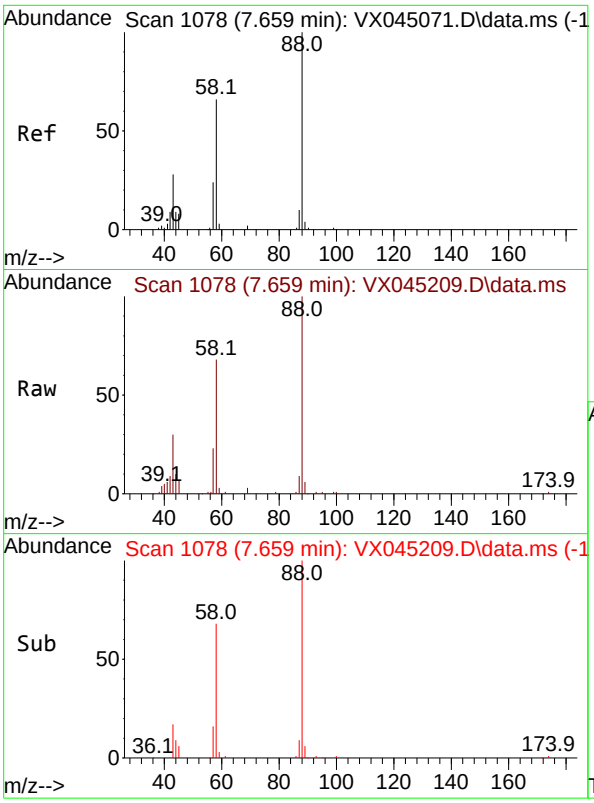


#48
Methyl methacrylate
Concen: 56.723 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 41 Resp: 80293

Ion	Ratio	Lower	Upper
41	100		
69	76.4	63.0	94.6
39	63.0	47.5	71.3



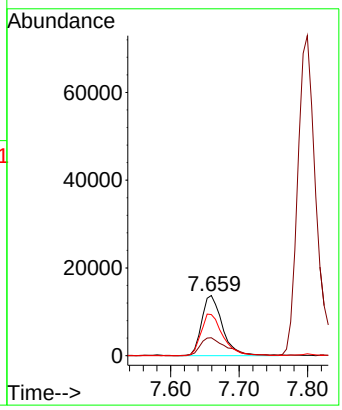


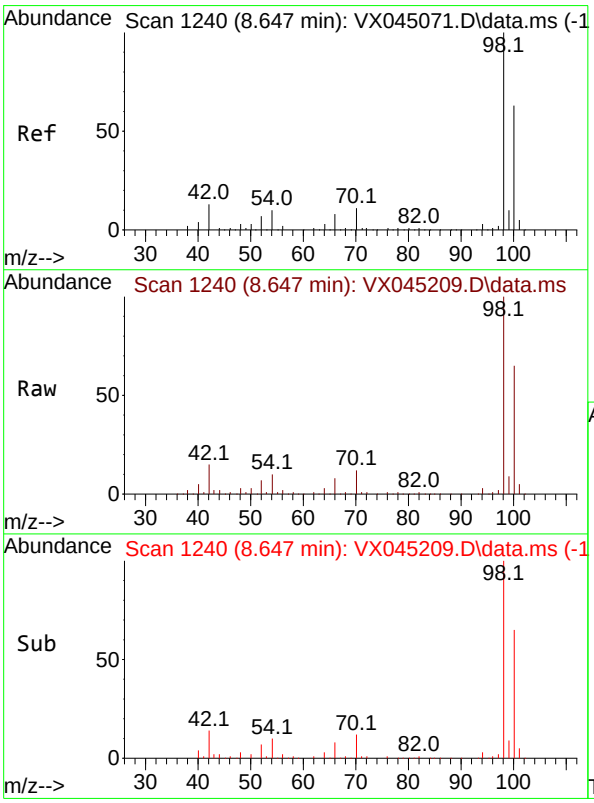
#49
1,4-Dioxane
Concen: 961.250 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 28702

Ion	Ratio	Lower	Upper
88	100		
43	38.8	28.7	43.1
58	73.2	55.8	83.8

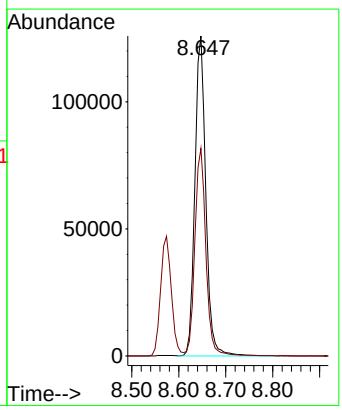


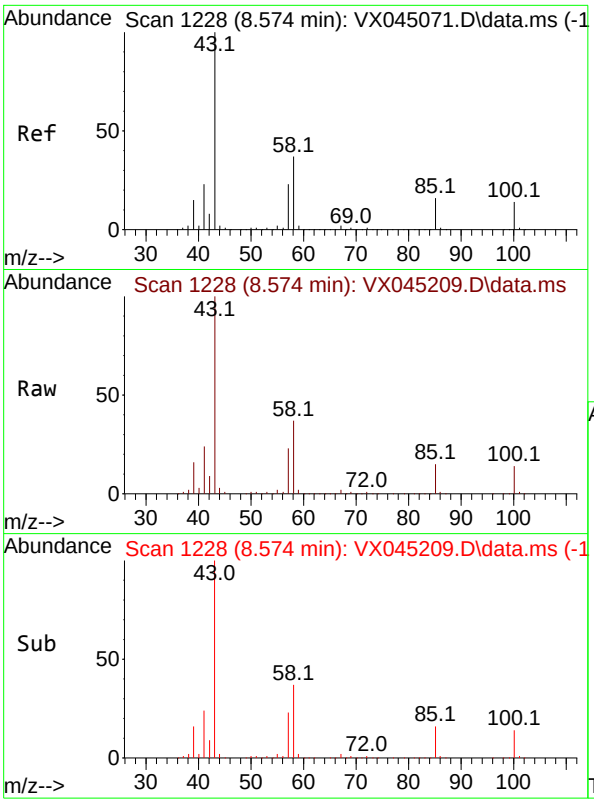


#50
Toluene-d8
Concen: 52.198 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 98 Resp: 204329

Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0



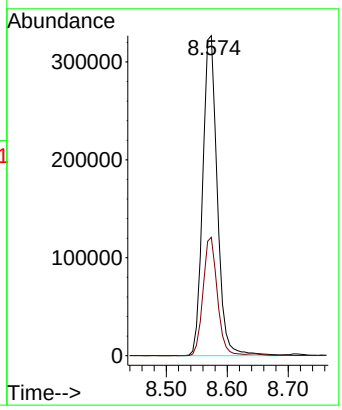


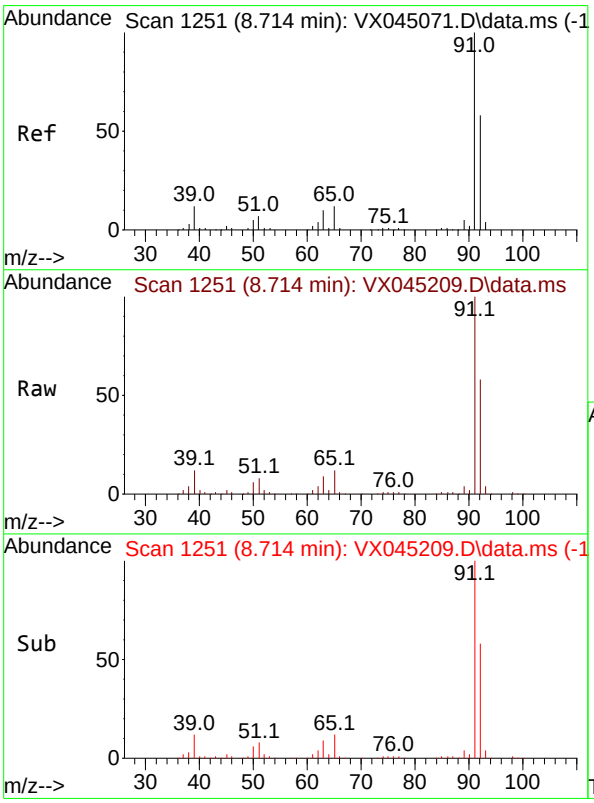
#51
4-Methyl-2-Pentanone
Concen: 285.882 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 541601

Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.2	43.8

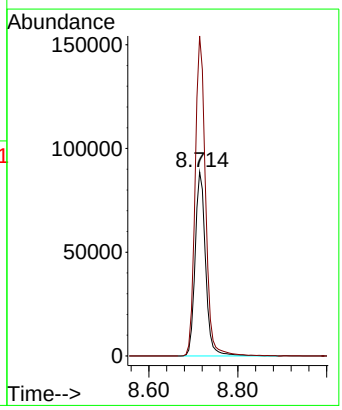


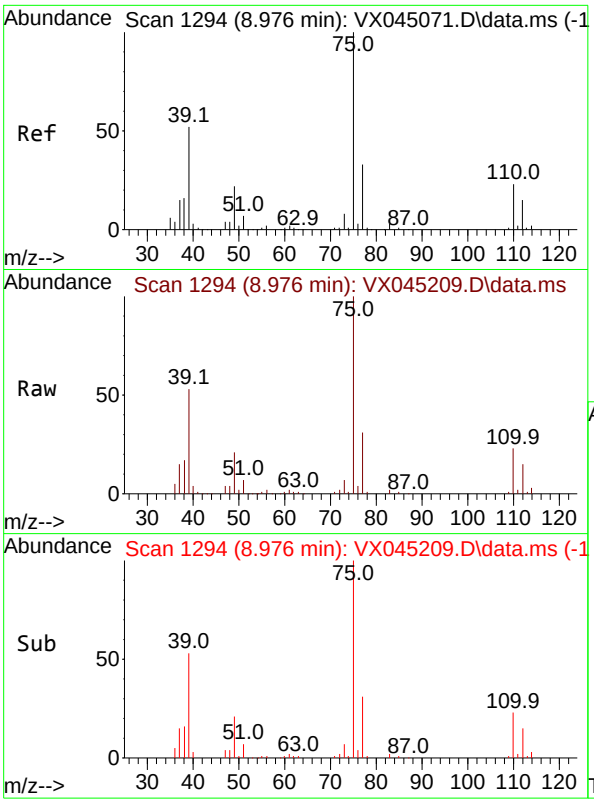


#52
Toluene
Concen: 52.695 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 92 Resp: 144568

Ion	Ratio	Lower	Upper
92	100		
91	173.1	138.9	208.3



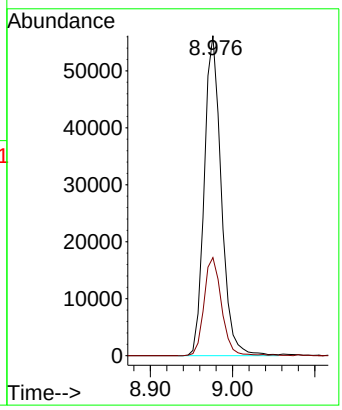


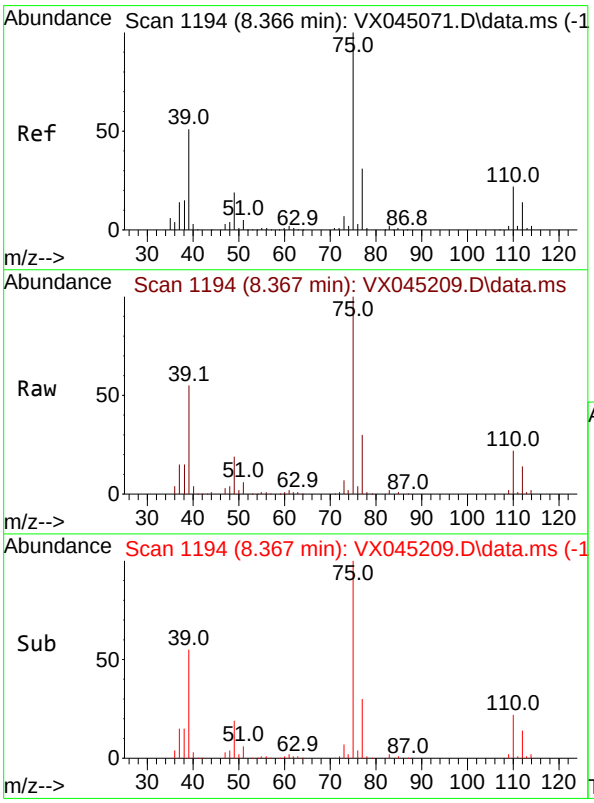
#53
t-1,3-Dichloropropene
Concen: 58.132 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 81003

Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.5	39.7

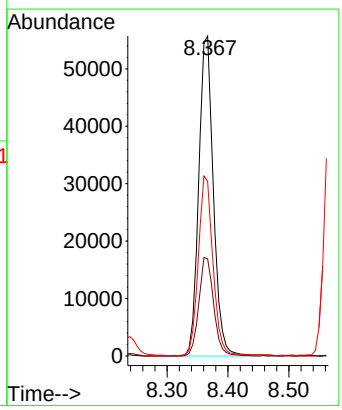


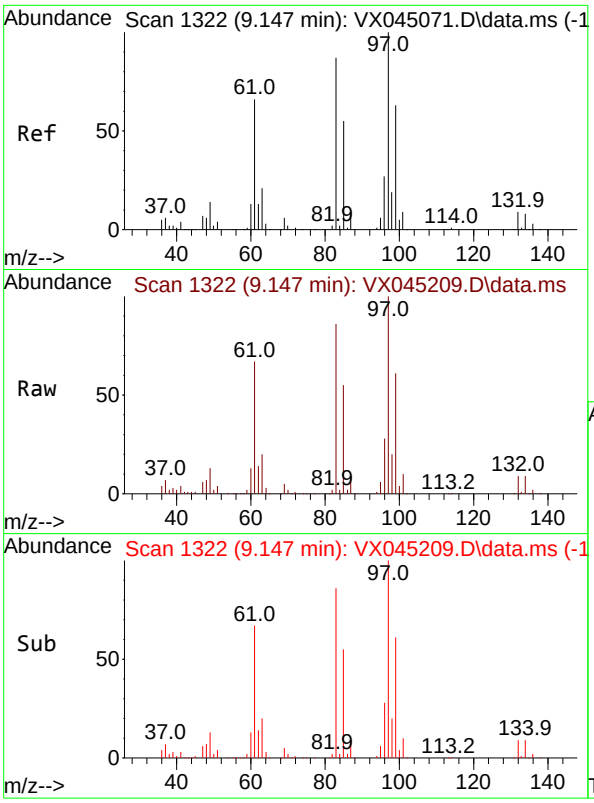


#54
cis-1,3-Dichloropropene
Concen: 57.309 ug/l
RT: 8.367 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 75 Resp: 93121

Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.7	37.1
39	54.5	40.7	61.1



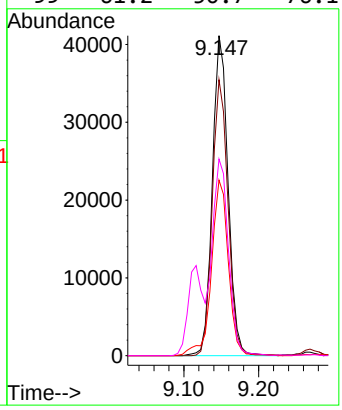


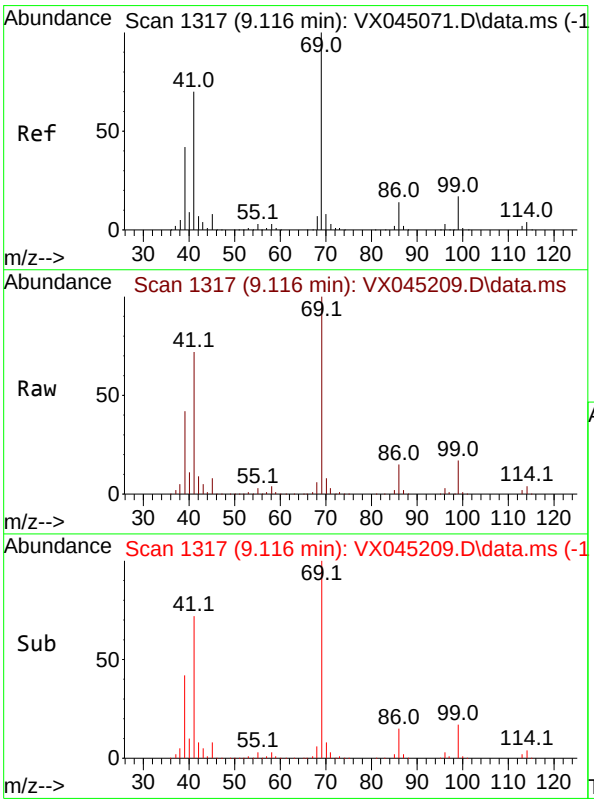
#55
1,1,2-Trichloroethane
Concen: 53.219 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 60107

Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.4	104.2
85	54.9	44.1	66.1
99	61.2	50.7	76.1

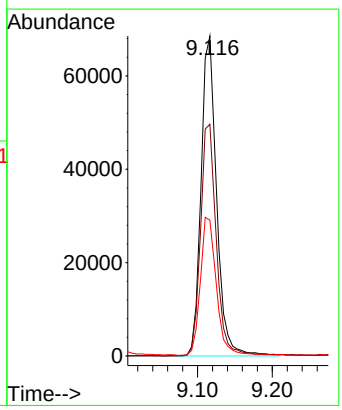


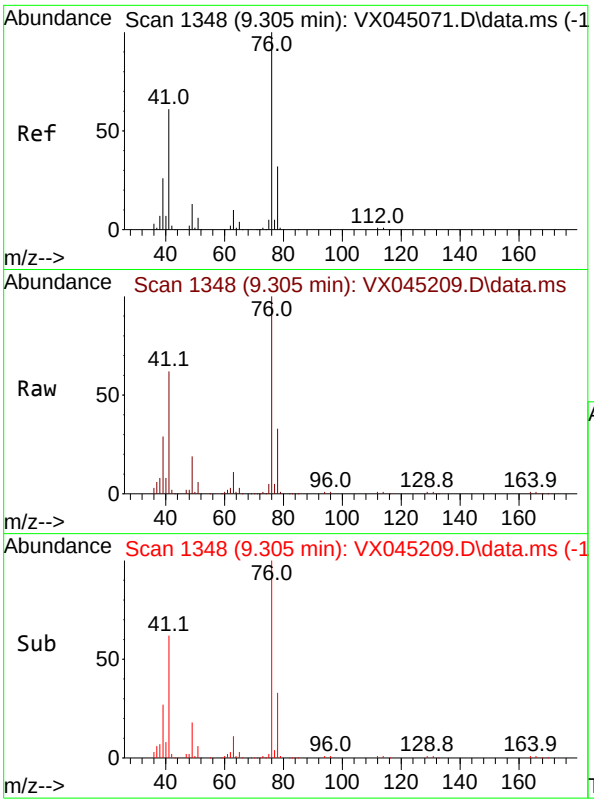


#56
Ethyl methacrylate
Concen: 57.768 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 69 Resp: 99177

Ion	Ratio	Lower	Upper
69	100		
41	74.2	57.0	85.4
39	44.3	34.2	51.4



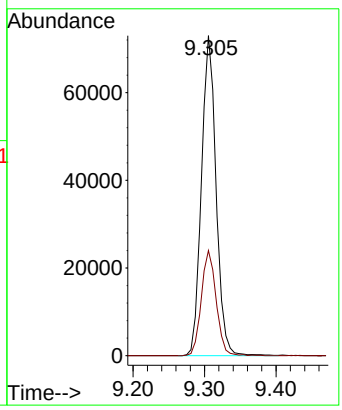


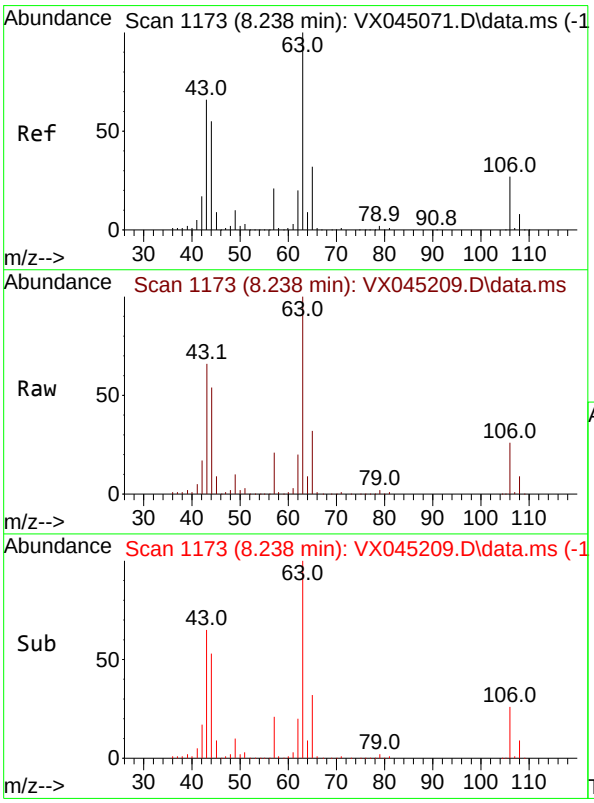
#57
1,3-Dichloropropane
Concen: 53.072 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 103733

Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.5	38.3

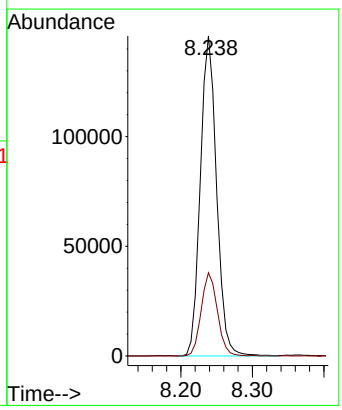


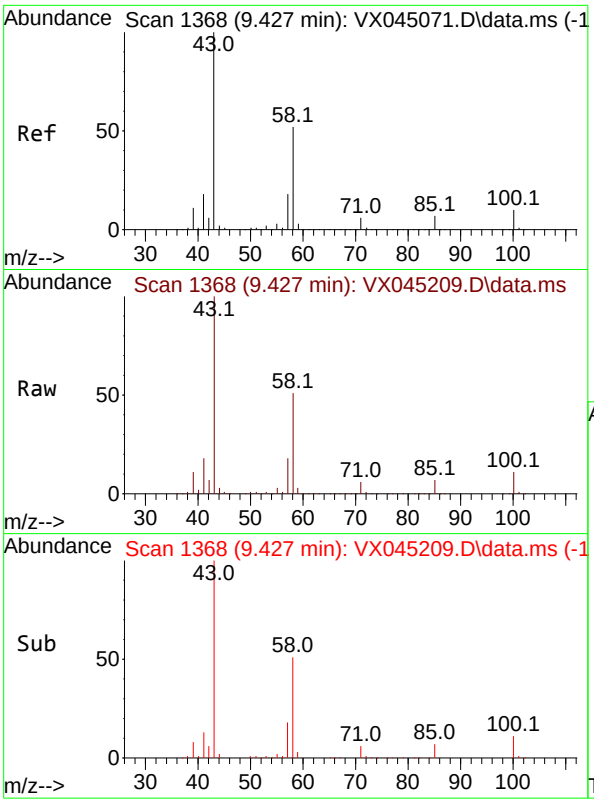


#58
2-Chloroethyl Vinyl ether
Concen: 275.041 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 63 Resp: 230339

Ion	Ratio	Lower	Upper
63	100		
106	25.9	21.5	32.3



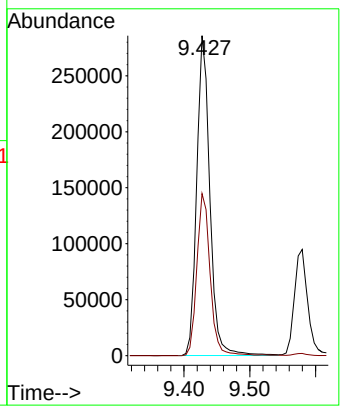


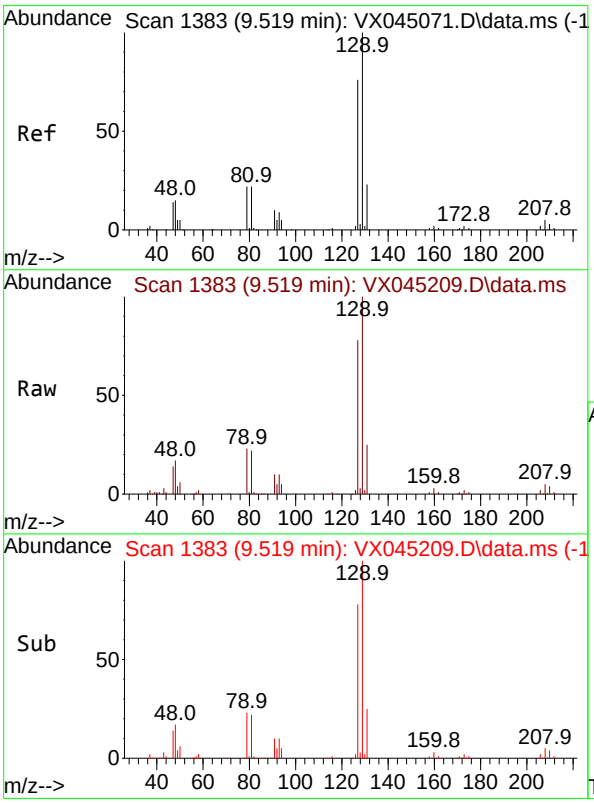
#59
2-Hexanone
Concen: 288.929 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 396595

Ion	Ratio	Lower	Upper
43	100		
58	51.4	25.9	77.6

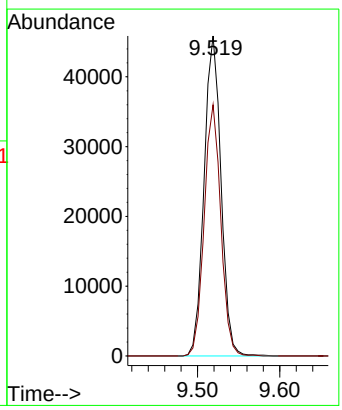


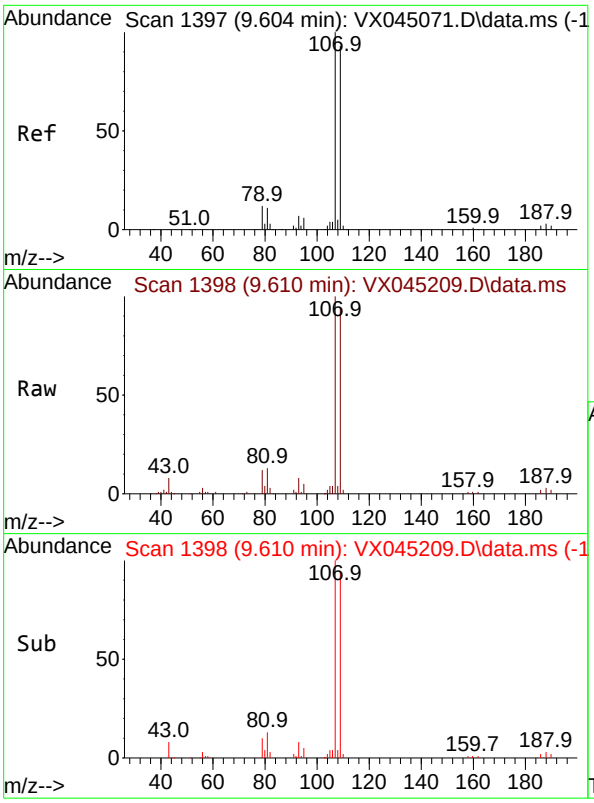


#60
Dibromochloromethane
Concen: 55.525 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:129 Resp: 65571

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5



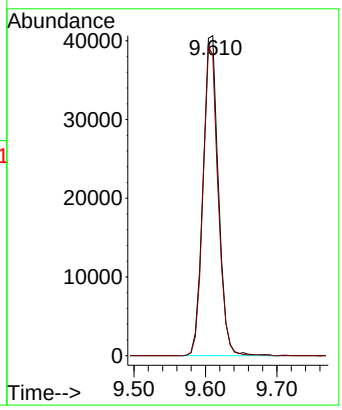


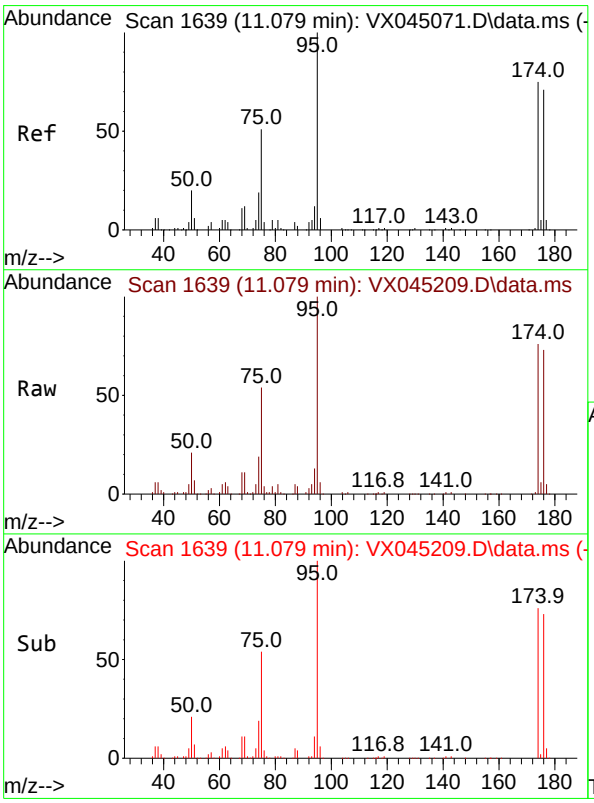
#61
1,2-Dibromoethane
Concen: 53.901 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 60773

Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.1	114.1

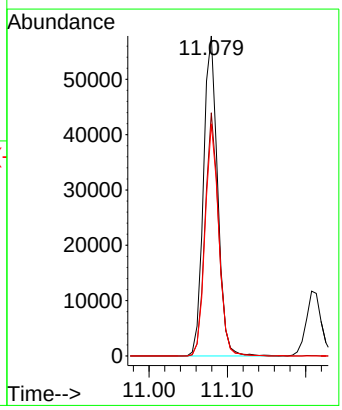


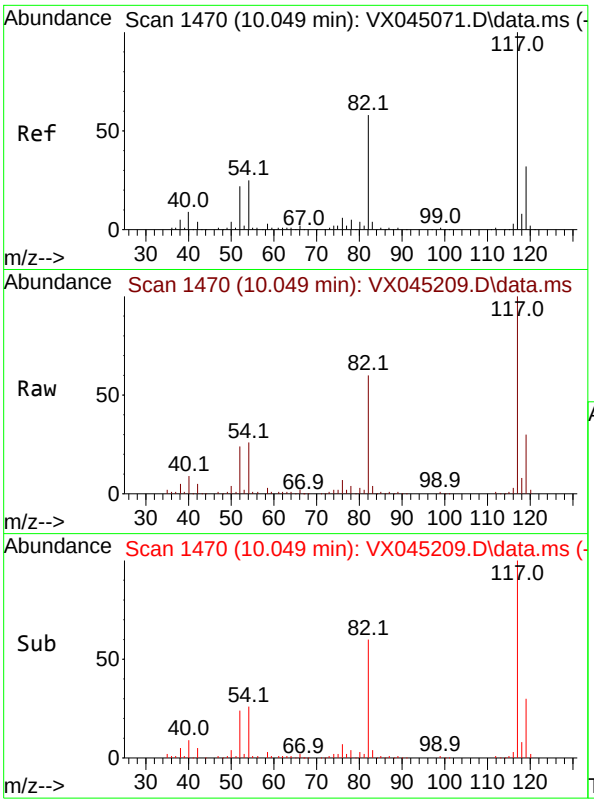


#62
4-Bromofluorobenzene
Concen: 55.762 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 95 Resp: 72332

Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	148.2
176	69.9	0.0	141.4



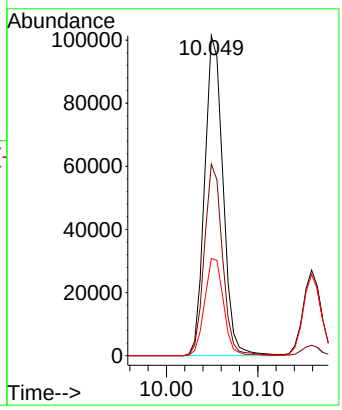


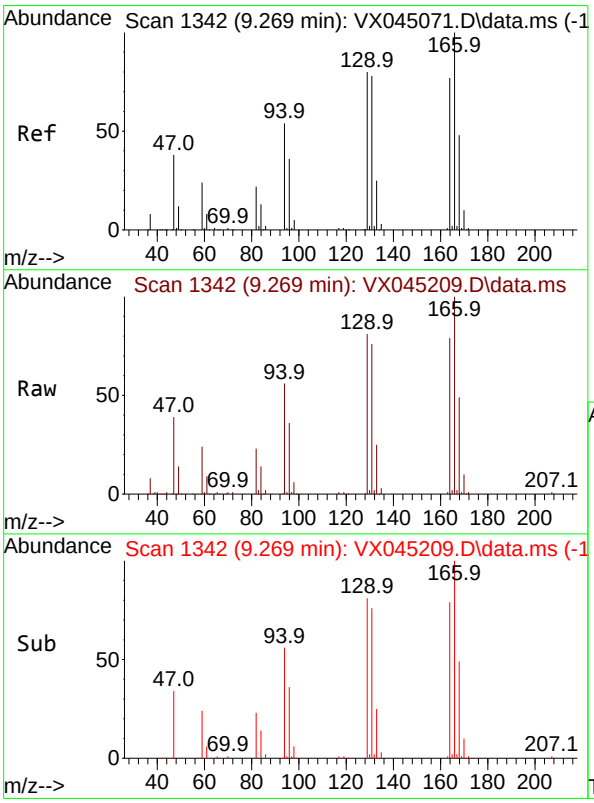
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 141315

Ion	Ratio	Lower	Upper
117	100		
82	59.9	46.3	69.5
119	30.4	25.7	38.5

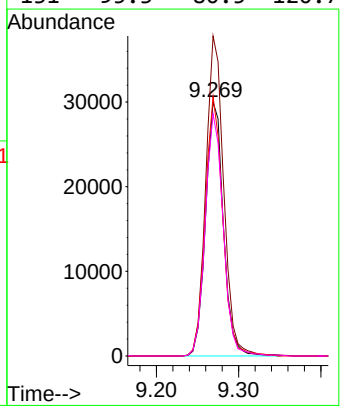


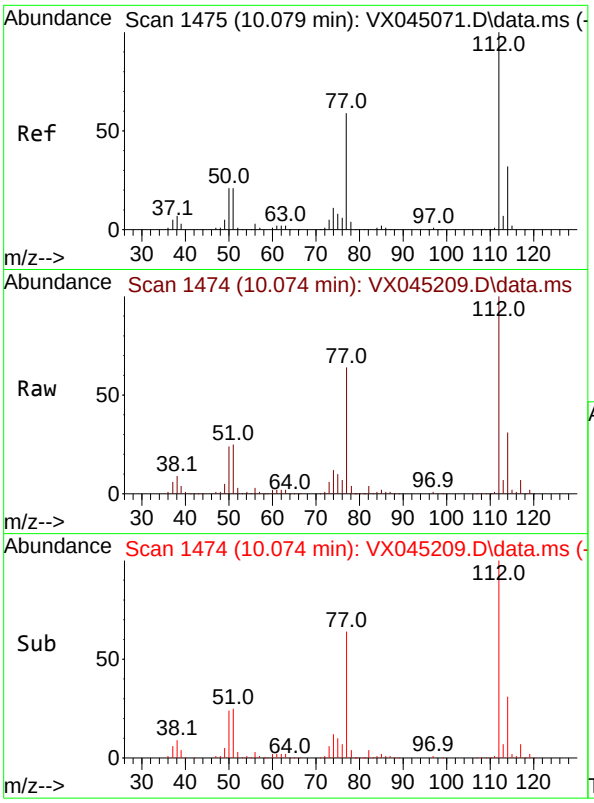


#64
Tetrachloroethene
Concen: 49.798 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:164 Resp: 45070

Ion	Ratio	Lower	Upper
164	100		
166	126.1	103.6	155.4
129	102.1	82.7	124.1
131	95.3	80.5	120.7



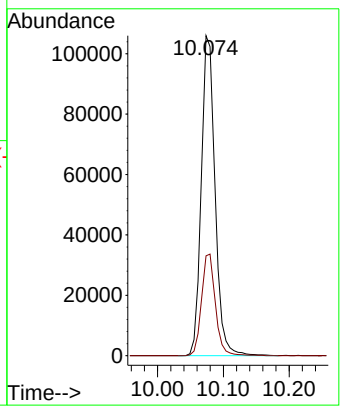


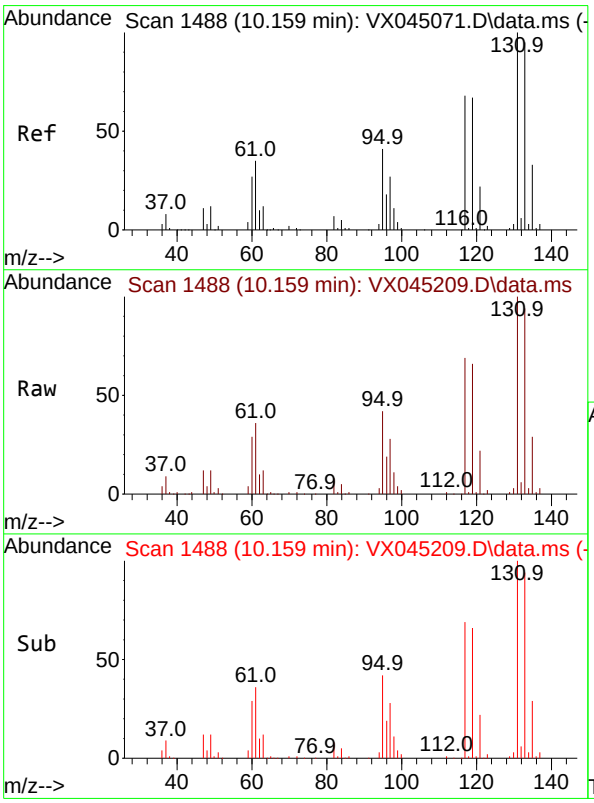
#65
Chlorobenzene
Concen: 51.723 ug/l
RT: 10.074 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 154662

Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.0	39.0

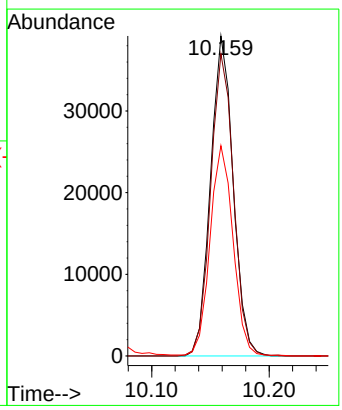


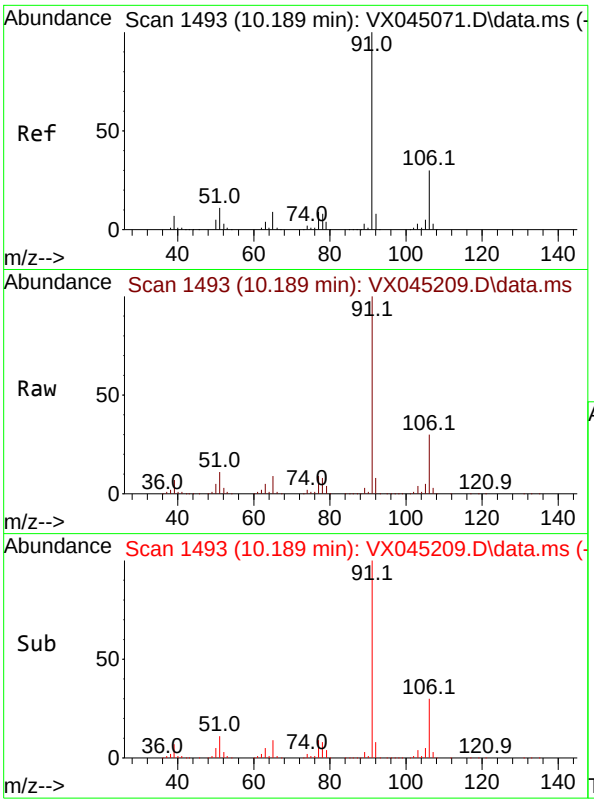


#66
1,1,1,2-Tetrachloroethane
Concen: 52.665 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:131 Resp: 52444

Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.6	145.9
119	67.1	33.9	101.7



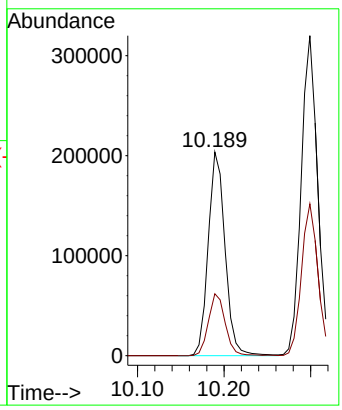


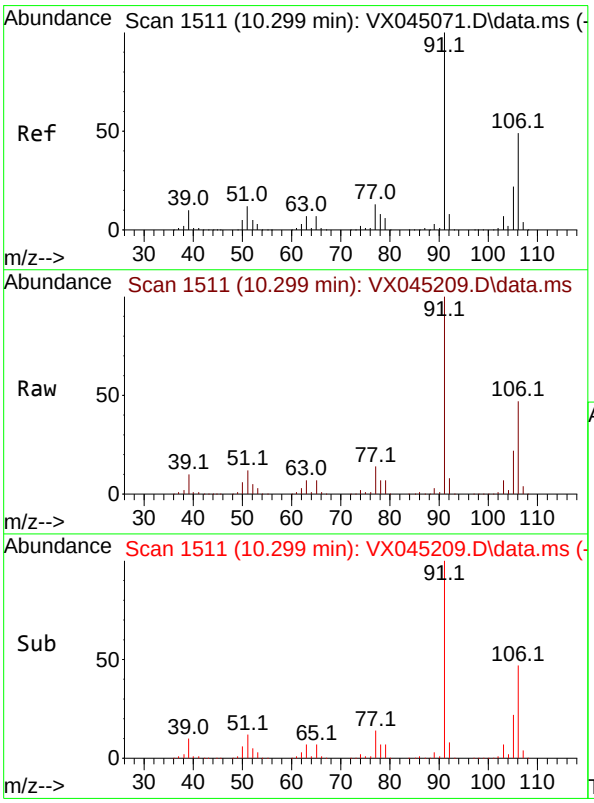
#67
Ethyl Benzene
Concen: 52.841 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 275315

Ion	Ratio	Lower	Upper
91	100		
106	30.4	23.9	35.9

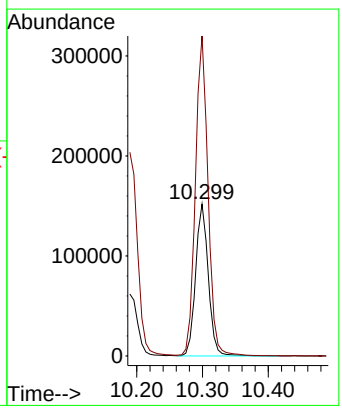


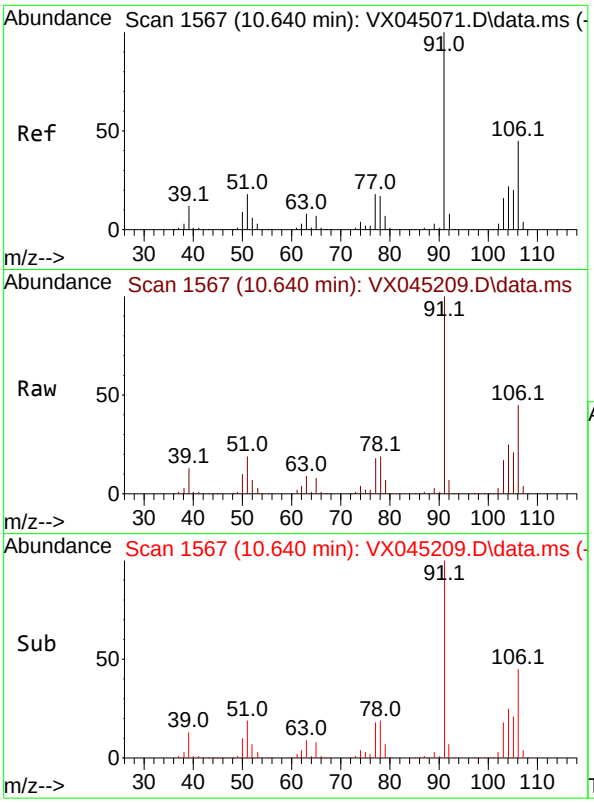


#68
m/p-Xylenes
Concen: 106.750 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:106 Resp: 203608

Ion	Ratio	Lower	Upper
106	100		
91	209.3	165.4	248.0



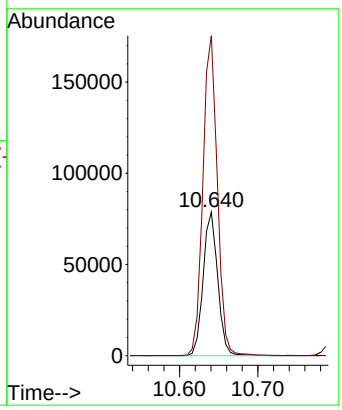


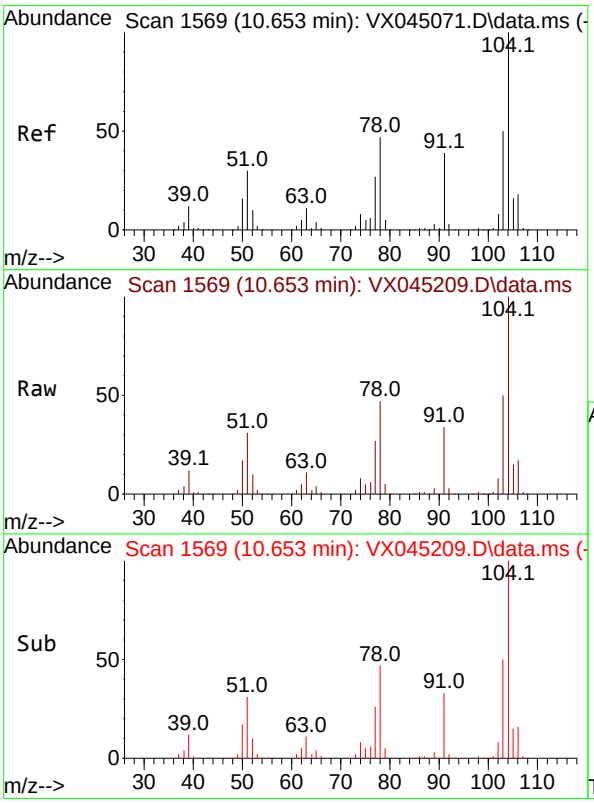
#69
o-Xylene
Concen: 52.621 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 101225

Ion	Ratio	Lower	Upper
106	100		
91	221.2	109.9	329.6

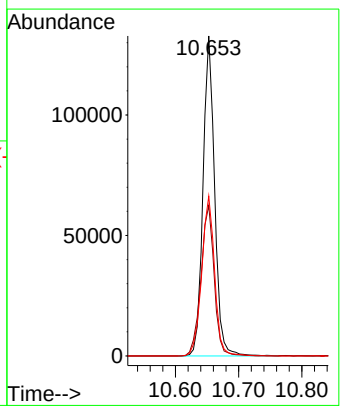


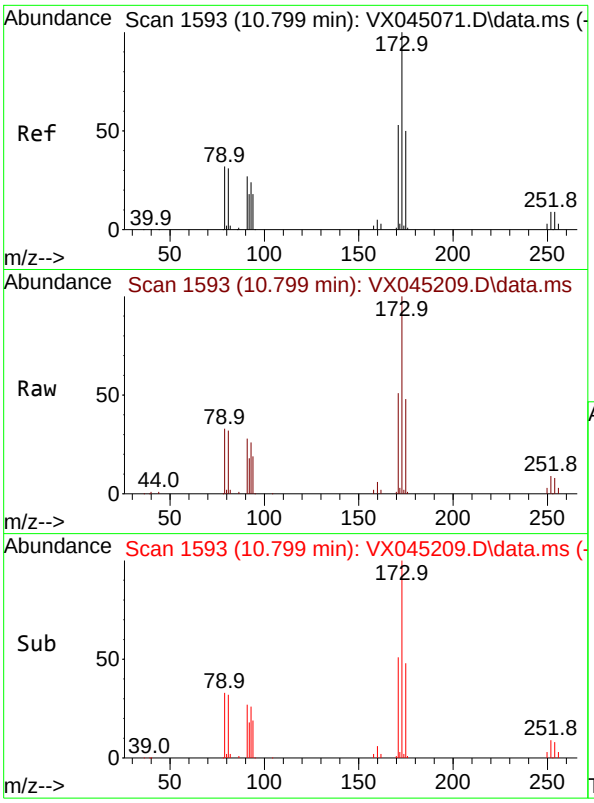


#70
Styrene
Concen: 54.651 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:104 Resp: 170107

Ion	Ratio	Lower	Upper
104	100		
78	53.6	42.2	63.4
103	55.4	43.8	65.8



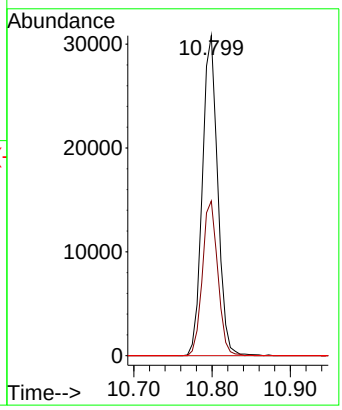


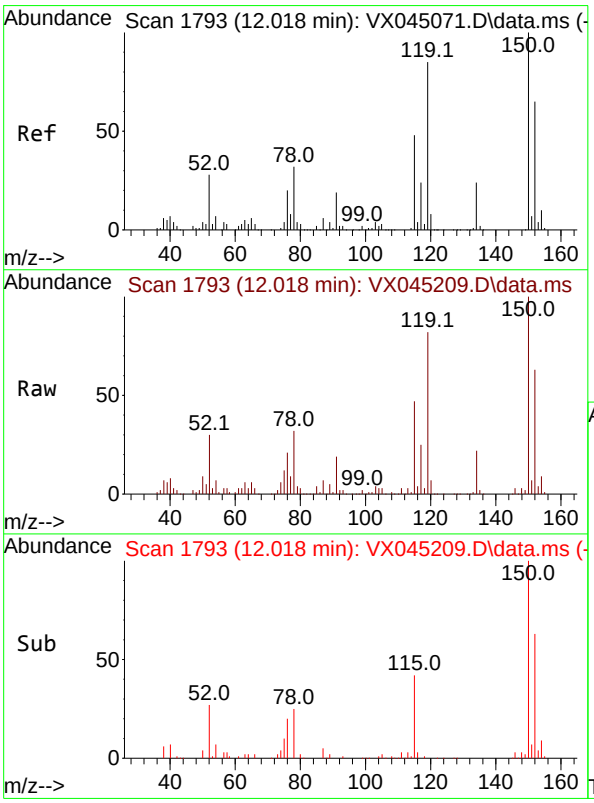
#71
Bromoform
Concen: 55.820 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 41916

Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.6
254	0.0	0.0	0.0

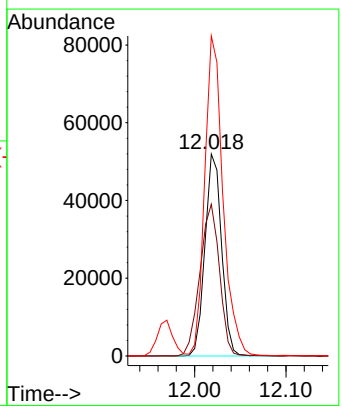


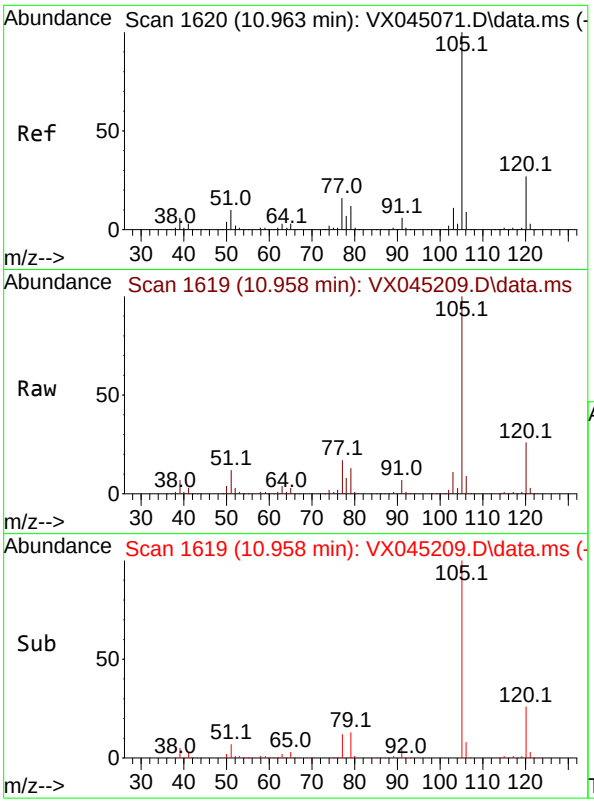


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:152 Resp: 65409

Ion	Ratio	Lower	Upper
152	100		
115	88.8	44.2	132.6
150	173.4	0.0	349.0



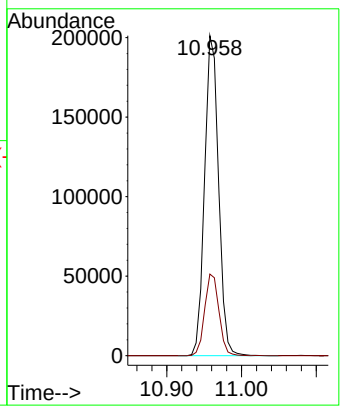


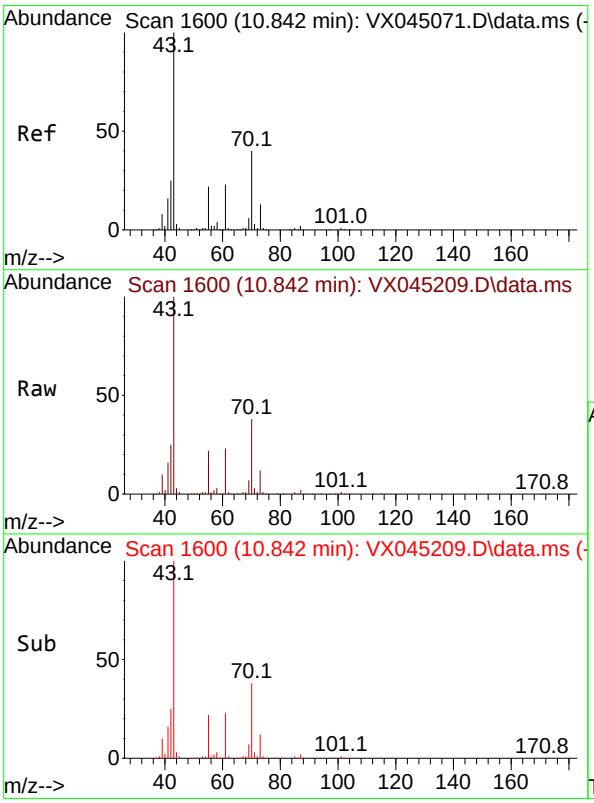
#73
Isopropylbenzene
Concen: 51.203 ug/l
RT: 10.958 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 261410

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

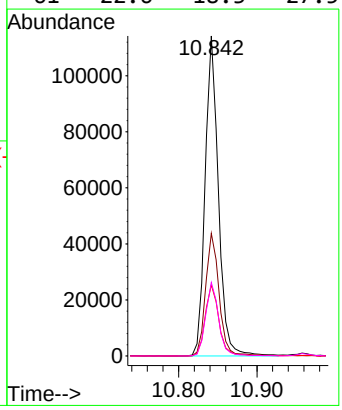


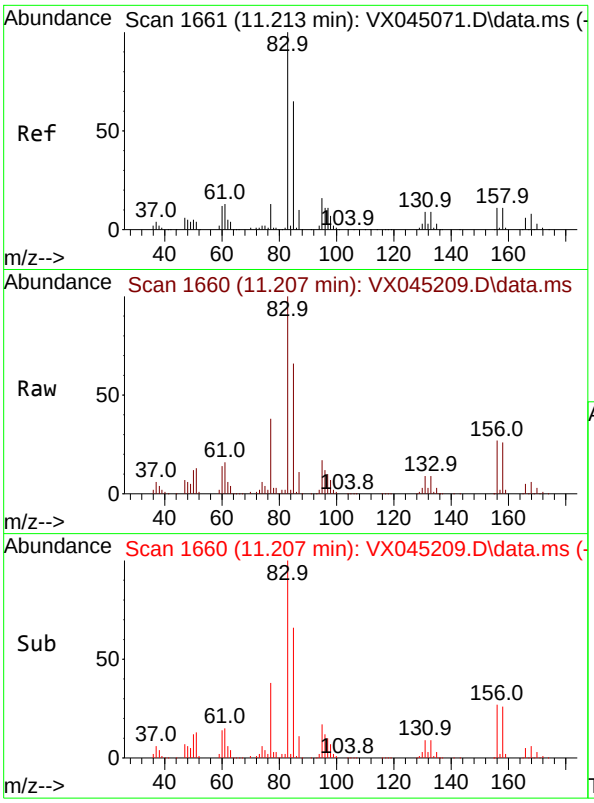


#74
N-amyl acetate
Concen: 55.914 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 43 Resp: 133947

Ion	Ratio	Lower	Upper
43	100		
70	39.3	31.8	47.6
55	23.2	18.3	27.5
61	22.6	18.3	27.5



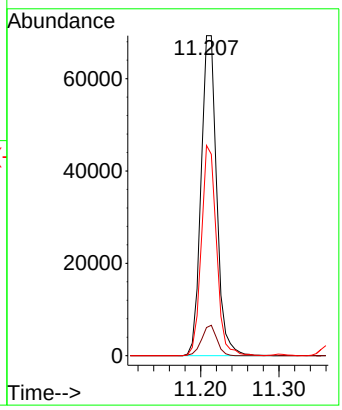


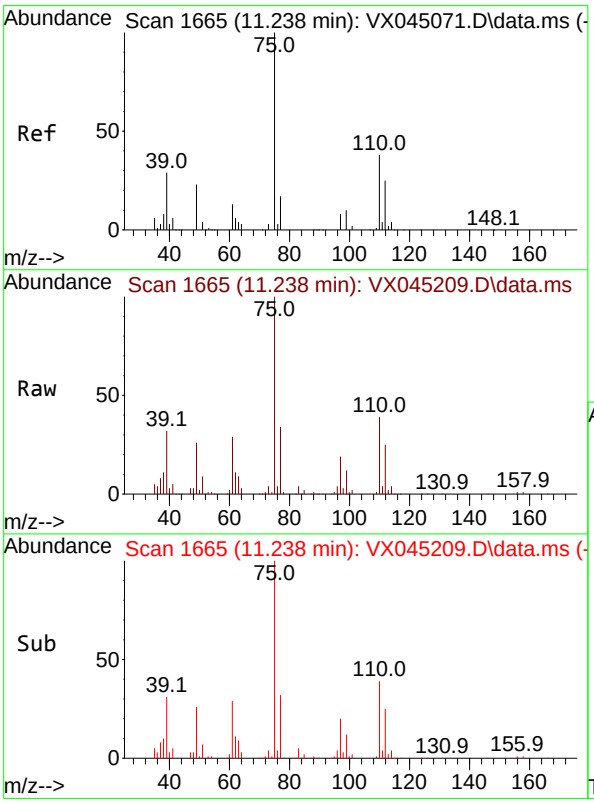
#75
1,1,2,2-Tetrachloroethane
Concen: 51.071 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 95680

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	63.8	31.7	95.1

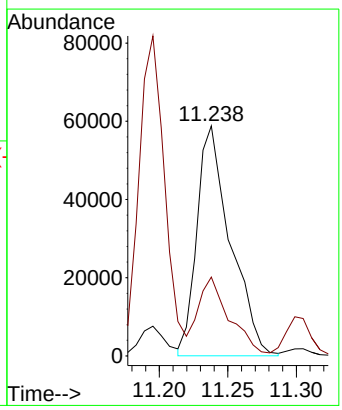


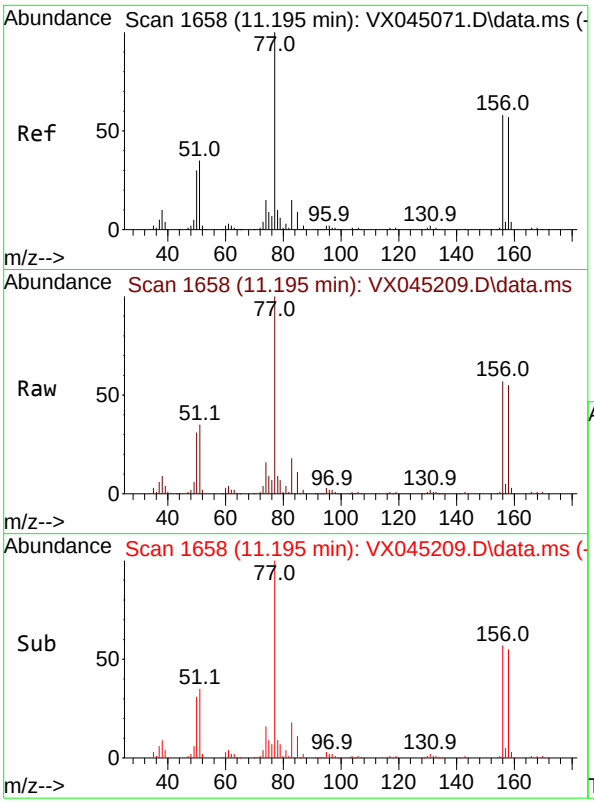


#76
1,2,3-Trichloropropane
Concen: 65.756 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 75 Resp: 100107

Ion	Ratio	Lower	Upper
75	100		
77	32.3	20.7	62.1



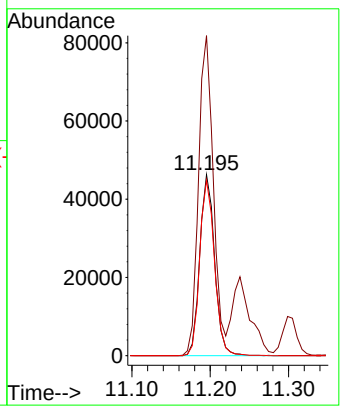


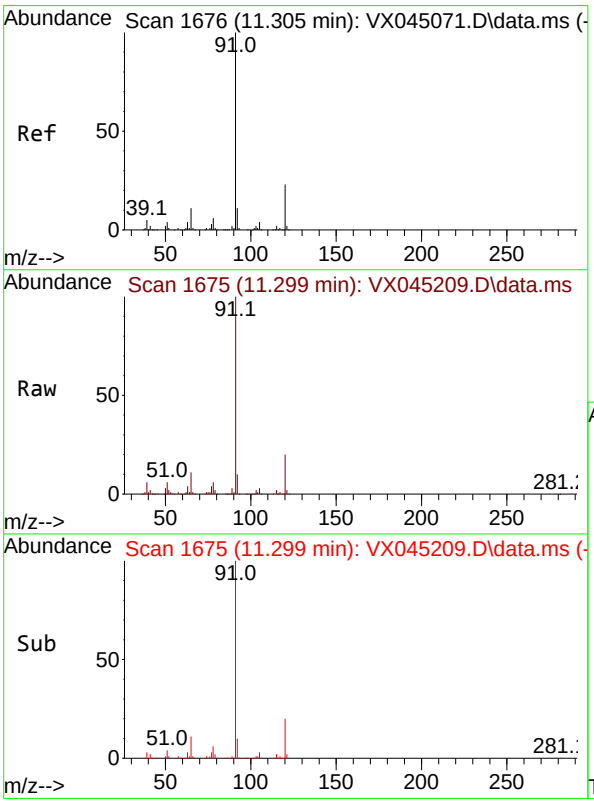
#77
Bromobenzene
Concen: 50.399 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 60709

Ion	Ratio	Lower	Upper
156	100		
77	177.3	85.8	257.4
158	97.0	48.4	145.2

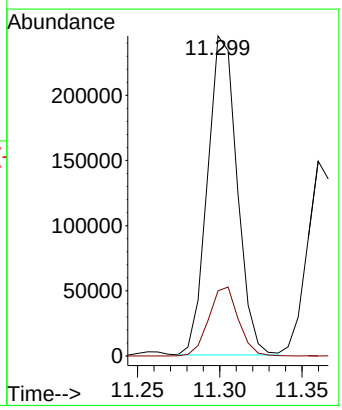


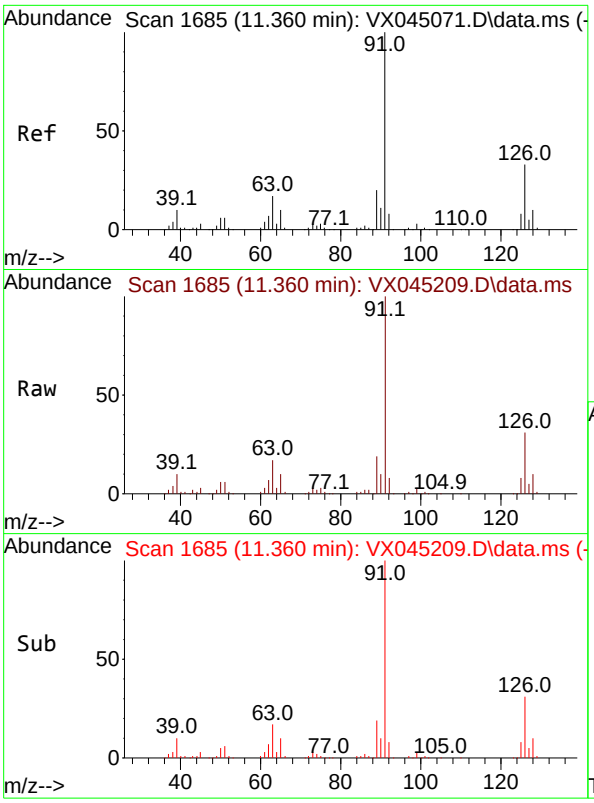


#78
n-propylbenzene
Concen: 53.359 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 91 Resp: 307731

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.2	33.6



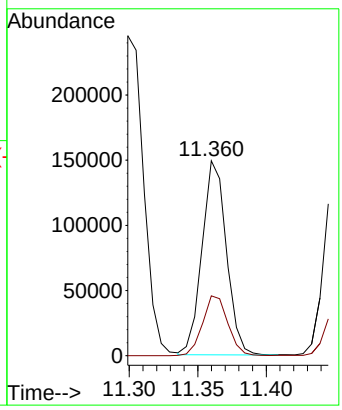


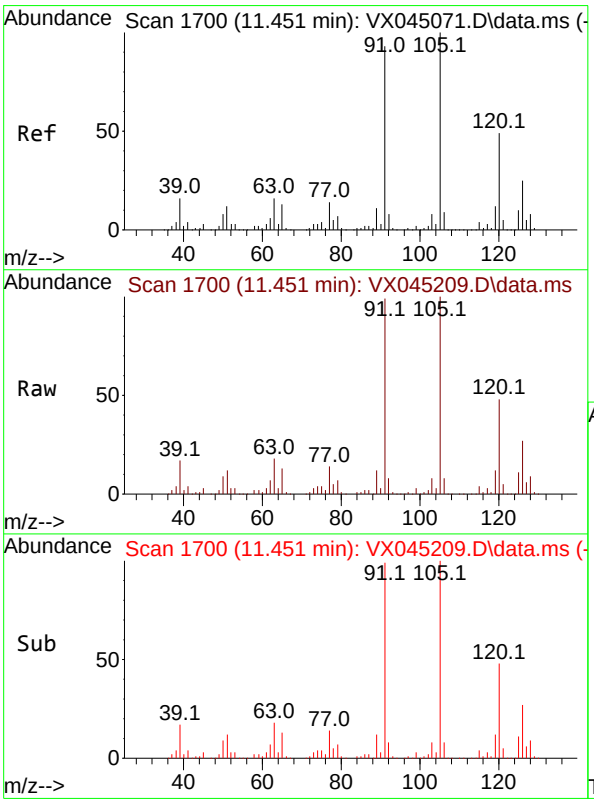
#79
2-Chlorotoluene
Concen: 50.254 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 184579

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4

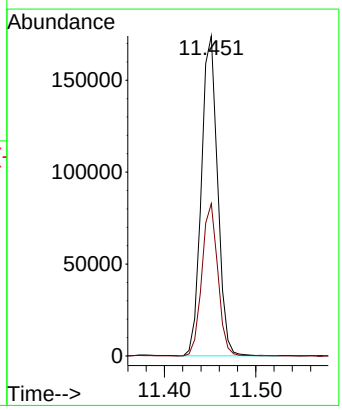


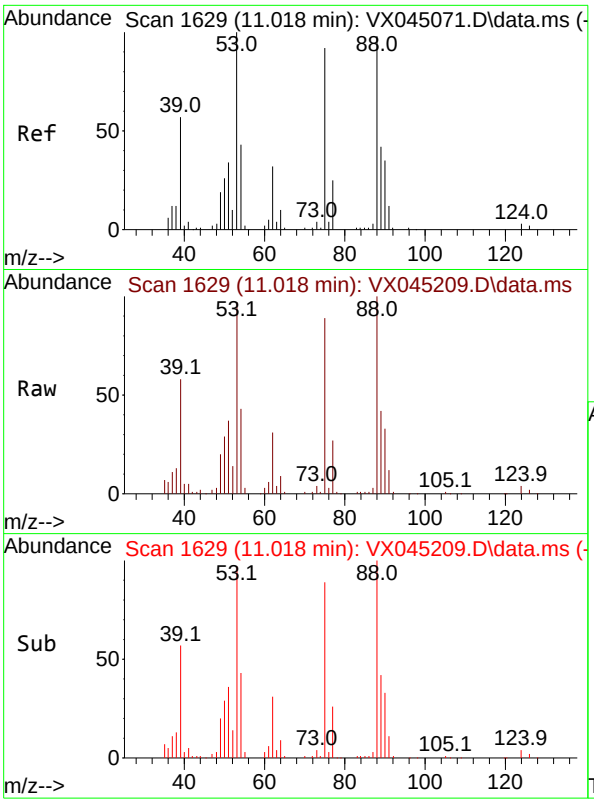


#80
1,3,5-Trimethylbenzene
Concen: 52.109 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:105 Resp: 215110

Ion	Ratio	Lower	Upper
105	100		
120	46.8	24.1	72.2



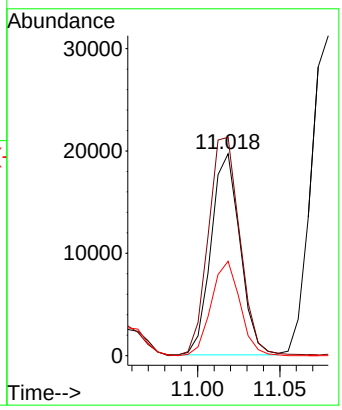


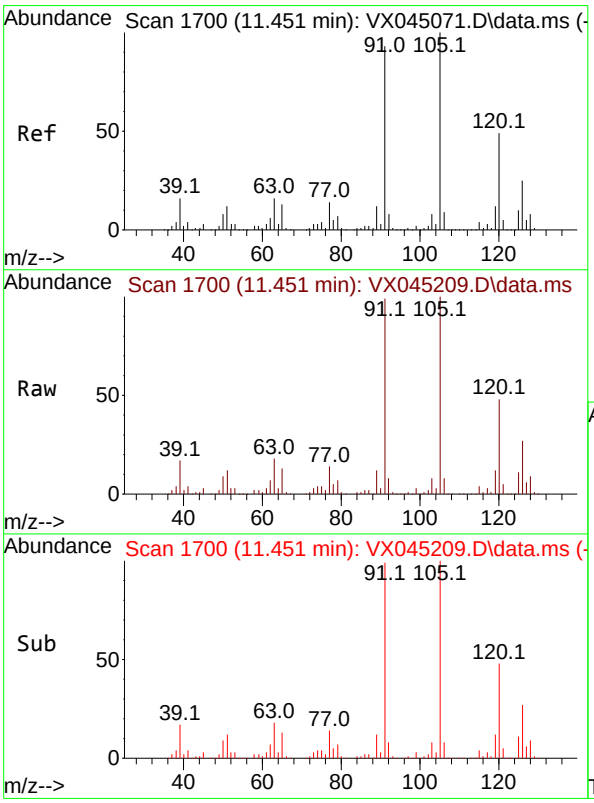
#81
trans-1,4-Dichloro-2-butene
Concen: 54.392 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 24197

Ion	Ratio	Lower	Upper
75	100		
53	118.4	88.5	132.7
89	46.4	36.2	54.4

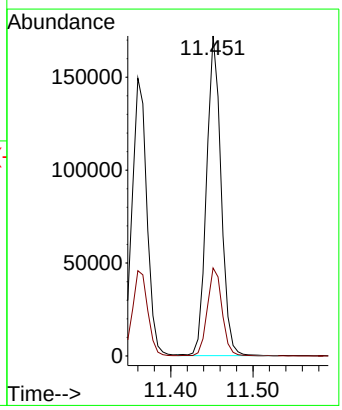


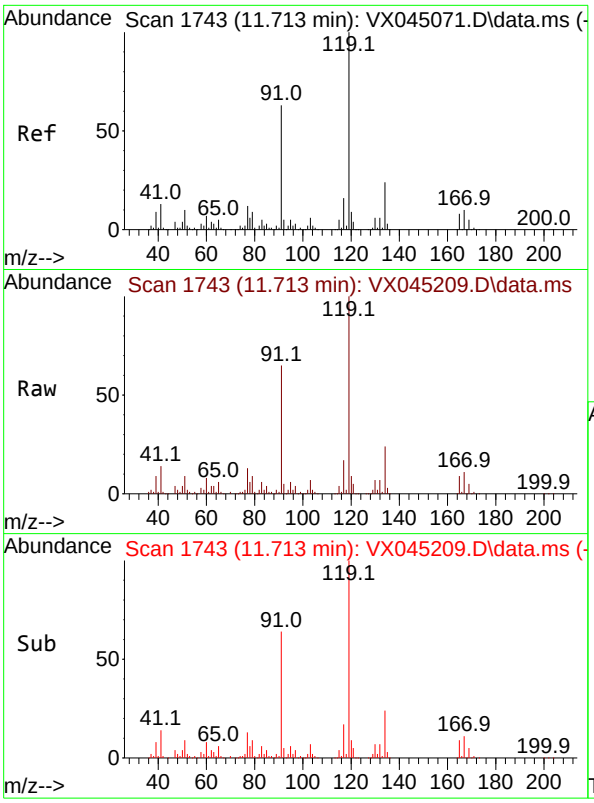


#82
4-Chlorotoluene
Concen: 52.803 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 91 Resp: 211368

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.1	42.4



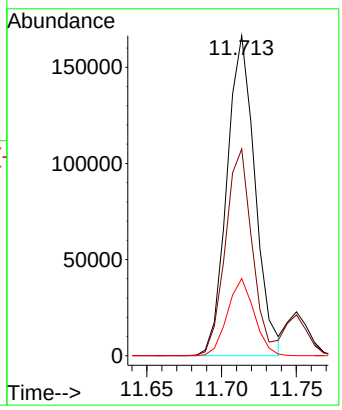


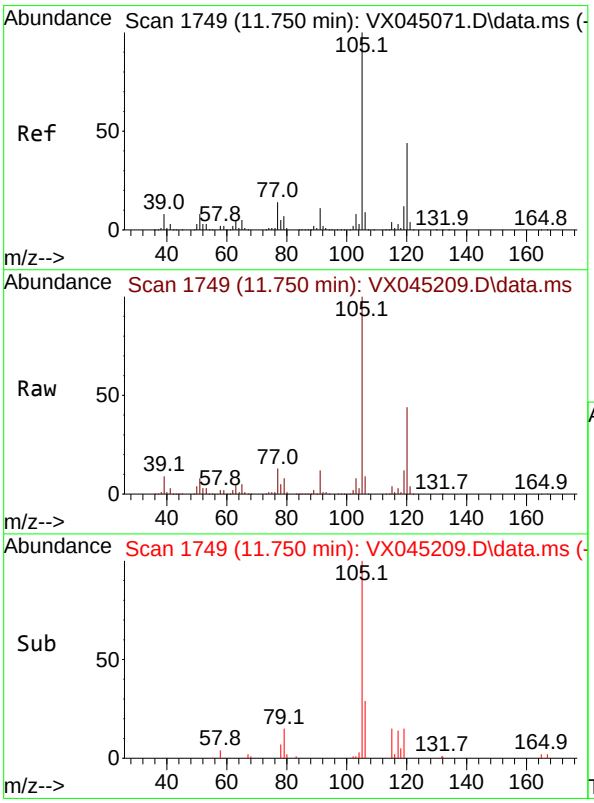
#83
tert-Butylbenzene
Concen: 51.306 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 217615

Ion	Ratio	Lower	Upper
119	100		
91	61.1	30.7	92.1
134	22.9	11.7	35.0

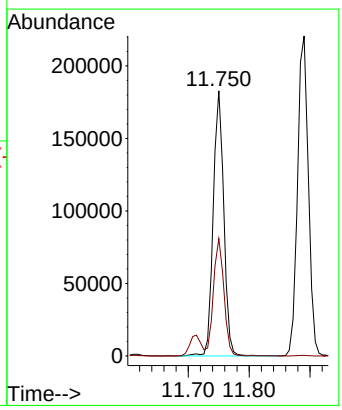


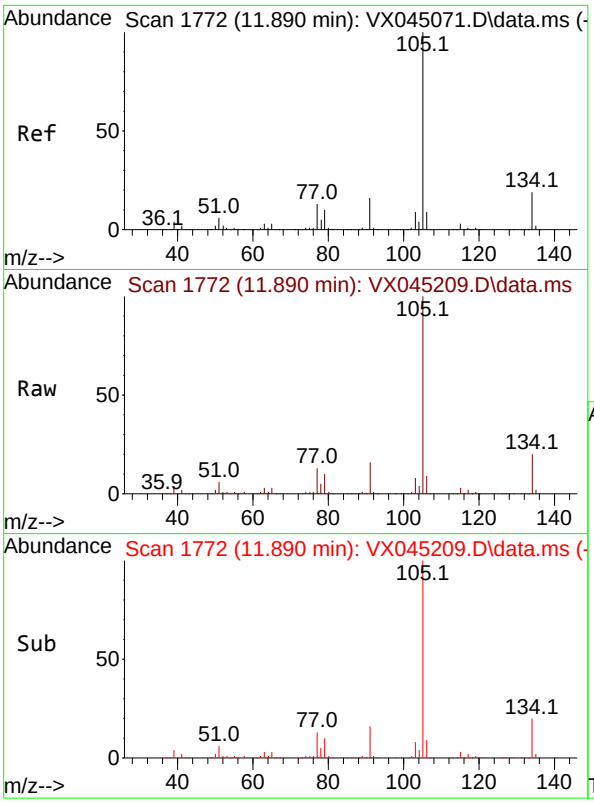


#84
1,2,4-Trimethylbenzene
Concen: 52.908 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:105 Resp: 219760

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1



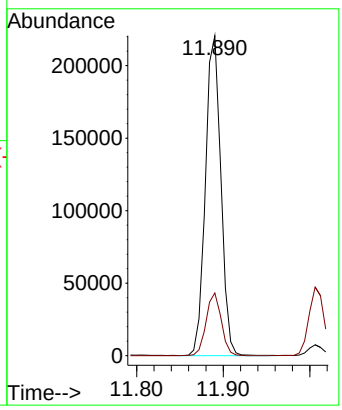


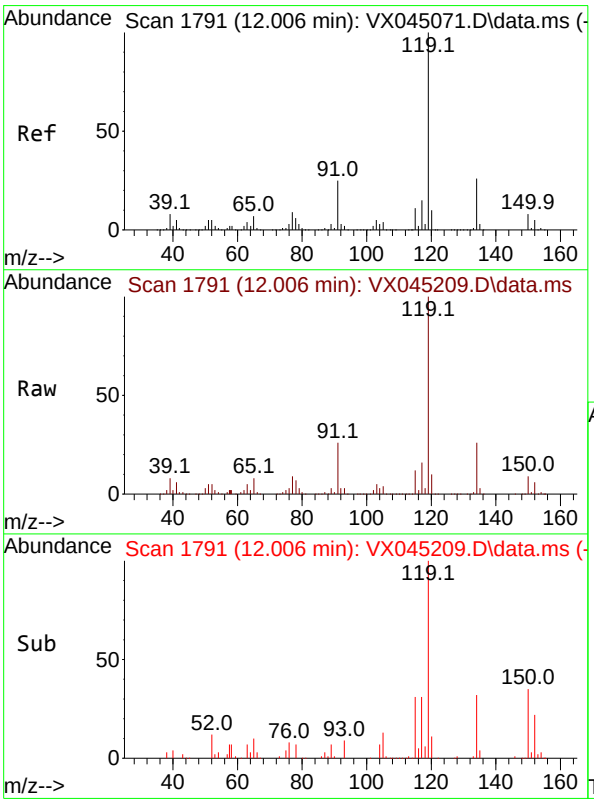
#85
sec-Butylbenzene
Concen: 53.829 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 273492

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

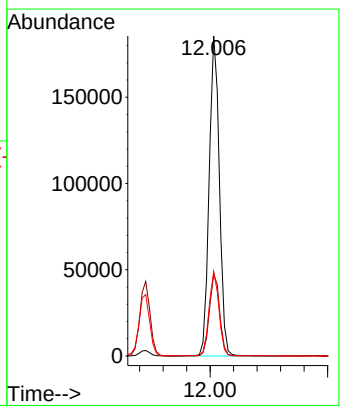


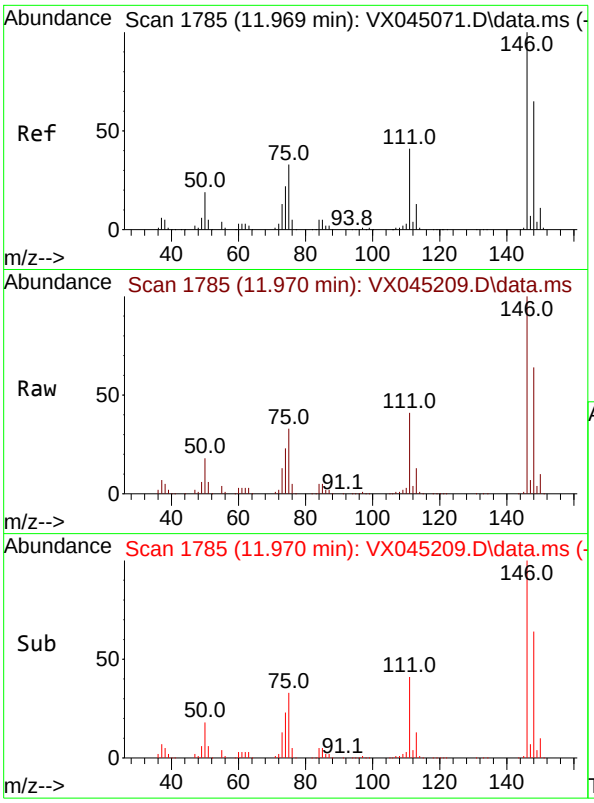


#86
p-Isopropyltoluene
Concen: 54.521 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:119 Resp: 223861

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.6	12.7	38.0



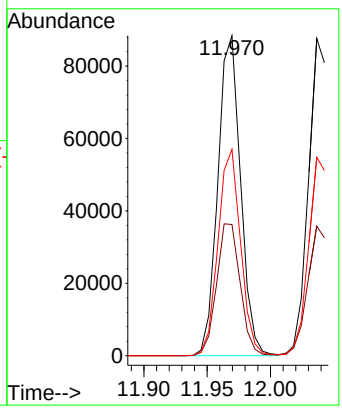


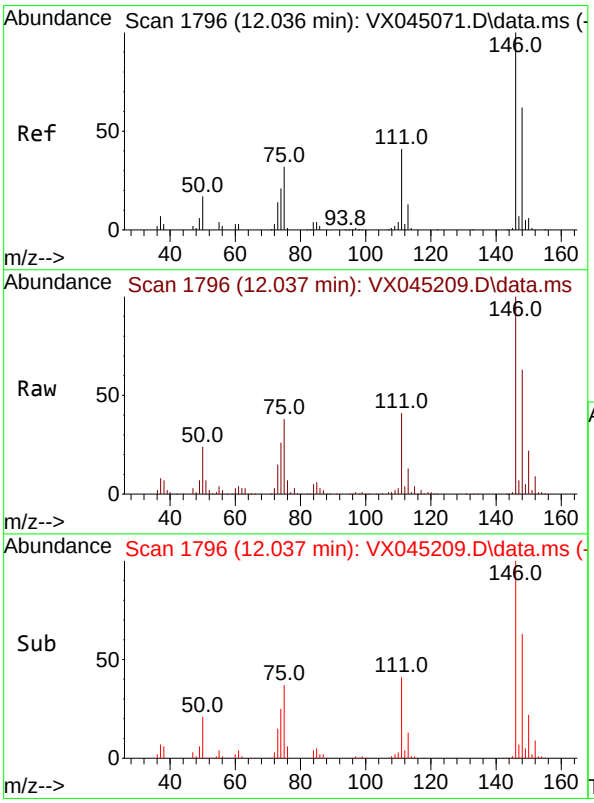
#87
1,3-Dichlorobenzene
Concen: 51.396 ug/l
RT: 11.970 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 110444

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.1	63.4
148	64.0	31.9	95.7

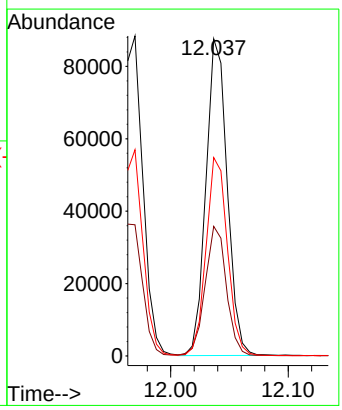


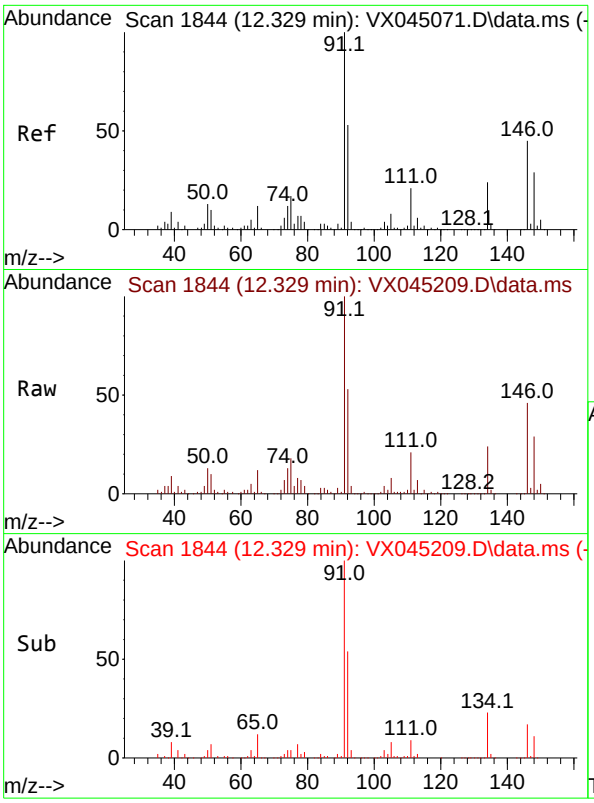


#88
1,4-Dichlorobenzene
Concen: 50.623 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:146 Resp: 110057

Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.2	60.5
148	63.3	31.9	95.9



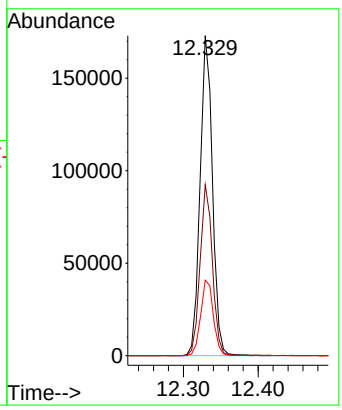


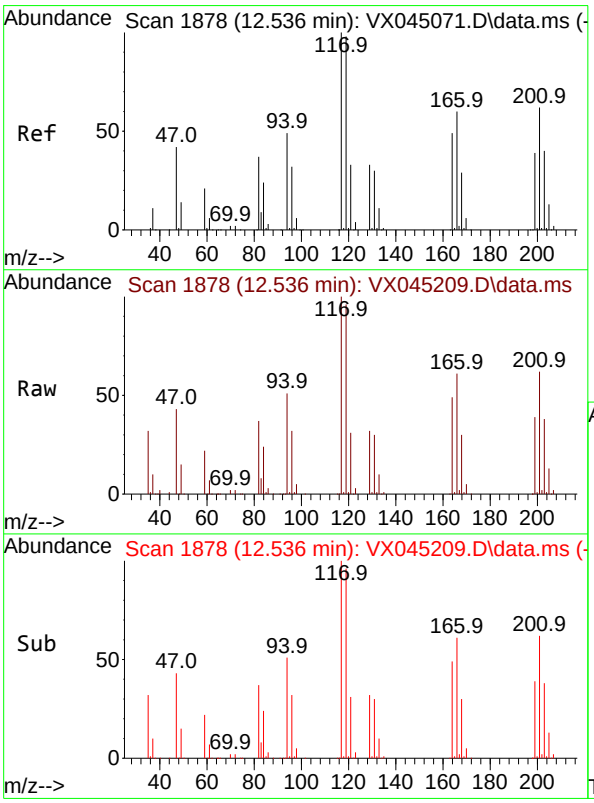
#89
n-Butylbenzene
Concen: 56.174 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 198652

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.2	12.2	36.6

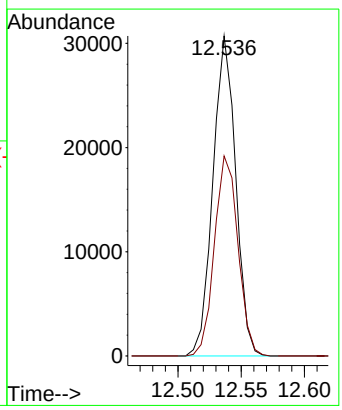


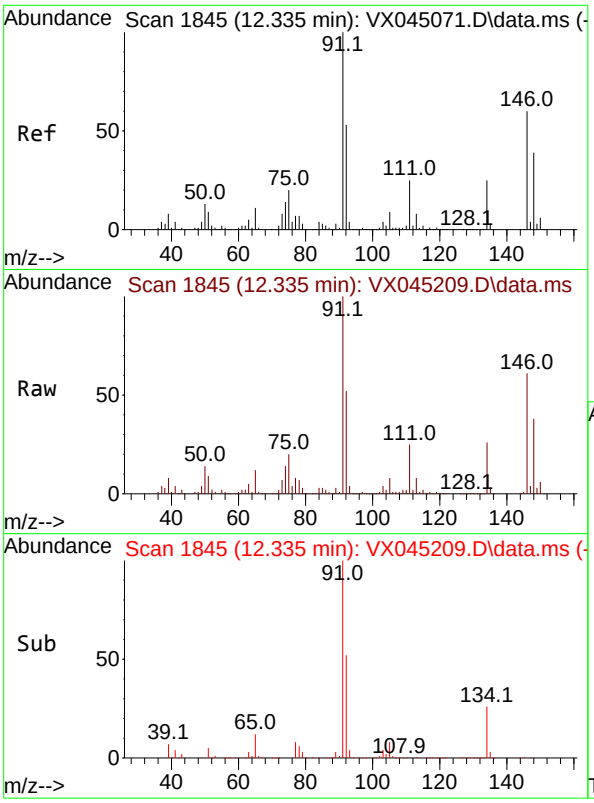


#90
Hexachloroethane
Concen: 51.712 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:117 Resp: 38405

Ion	Ratio	Lower	Upper
117	100		
201	64.6	31.9	95.9



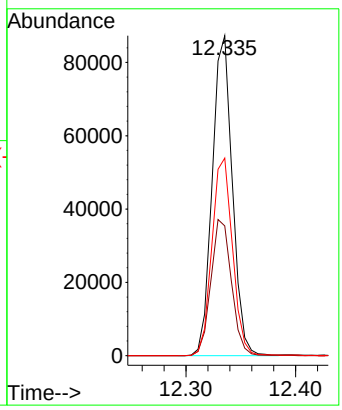


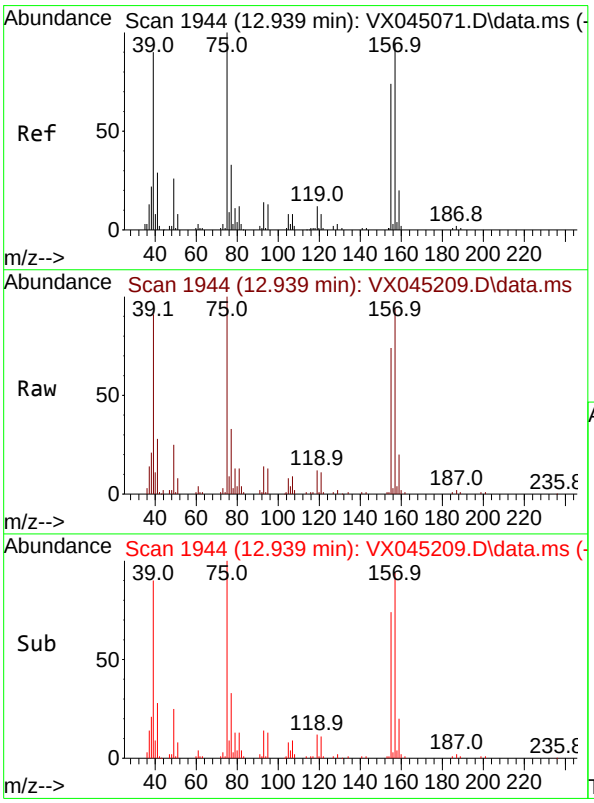
#91
1,2-Dichlorobenzene
Concen: 51.548 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 111119

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	65.0
148	63.7	31.9	95.9

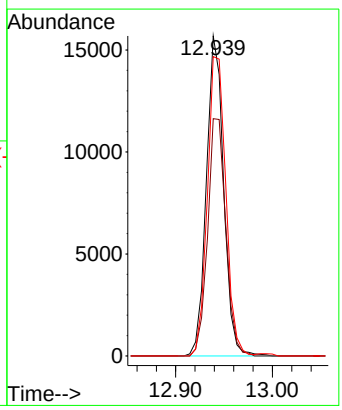


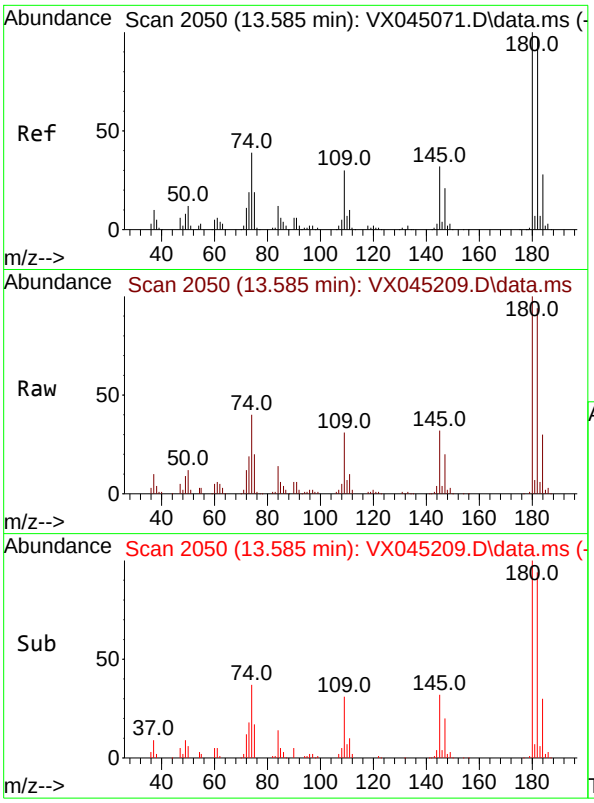


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.372 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion: 75 Resp: 19480

Ion	Ratio	Lower	Upper
75	100		
155	78.2	39.6	118.7
157	99.9	51.1	153.4



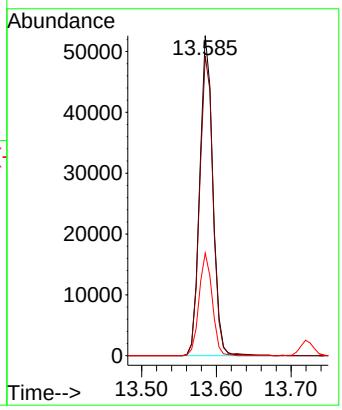


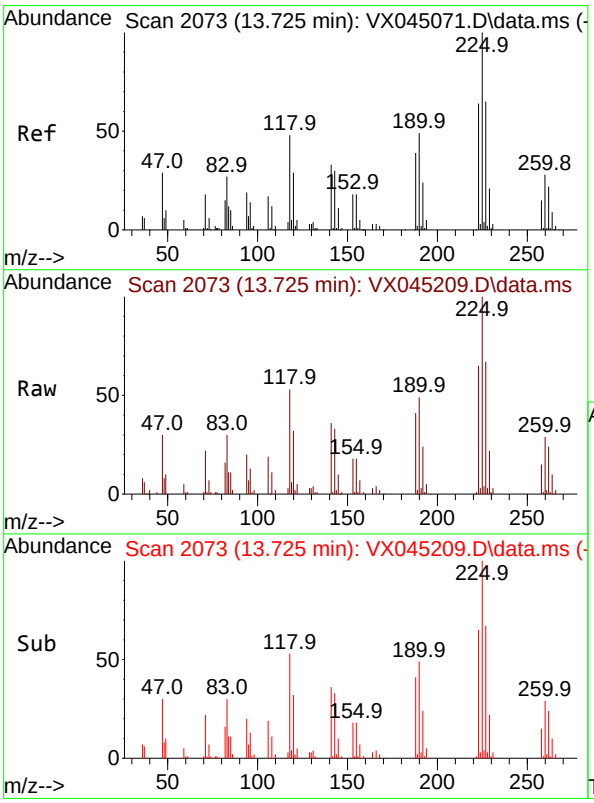
#93
1,2,4-Trichlorobenzene
Concen: 51.957 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 63774

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.3	141.9
145	32.2	16.3	48.9

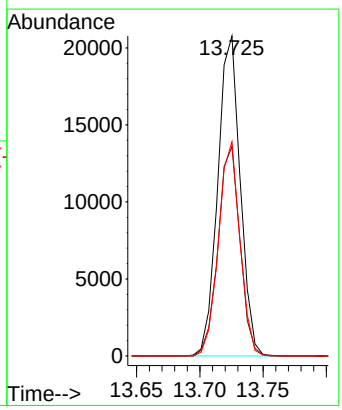


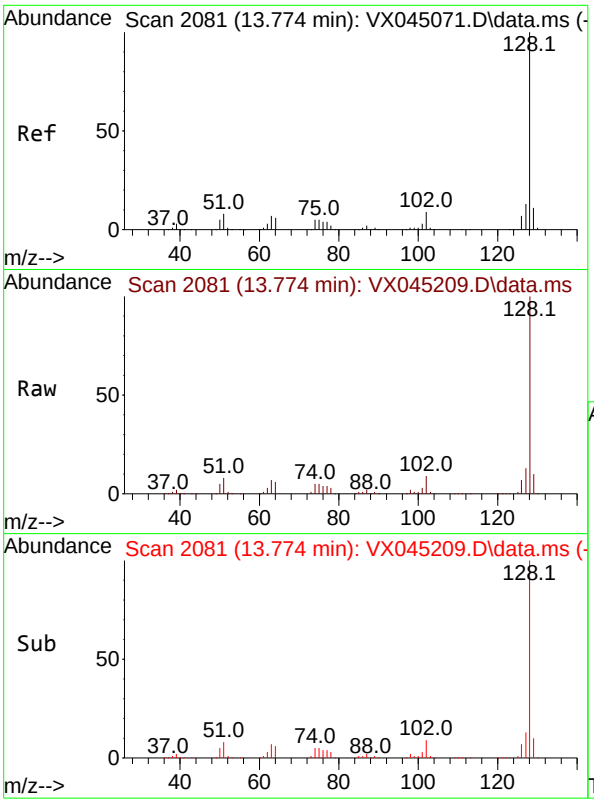


#94
Hexachlorobutadiene
Concen: 50.796 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:225 Resp: 25562

Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.9	95.7
227	63.8	31.4	94.0



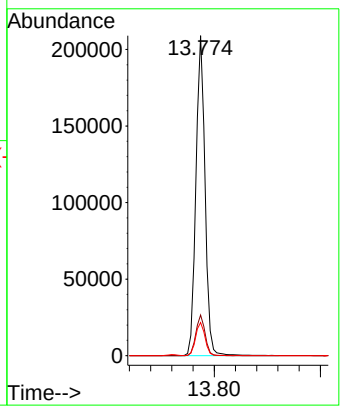


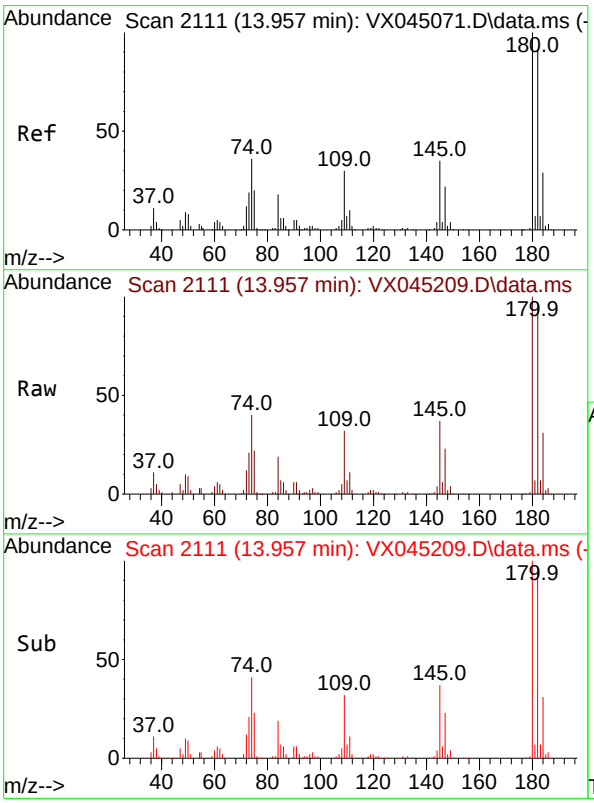
#95
Naphthalene
Concen: 52.935 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 249638

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.7	8.7	13.1

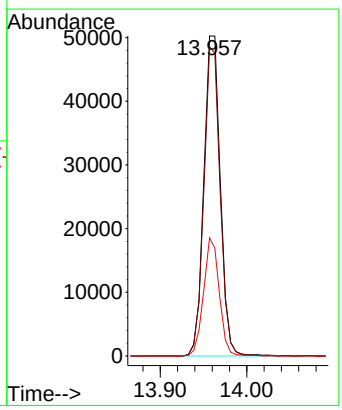




#96
1,2,3-Trichlorobenzene
Concen: 51.350 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX045209.D
Acq: 10 Mar 2025 20:17

Tgt Ion:180 Resp: 66492

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.5	142.6
145	35.2	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045211.D
Acq On : 11 Mar 2025 09:59
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 12 01:41:38 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	101357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	176548	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	153652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	80318	49.818	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.640%			
35) Dibromofluoromethane	5.373	113	62691	53.104	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.200%			
50) Toluene-d8	8.641	98	220779	51.586	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.180%			
62) 4-Bromofluorobenzene	11.079	95	78726	55.511	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	66819	52.372	ug/l	97
3) Chloromethane	1.301	50	74121	47.472	ug/l	97
4) Vinyl Chloride	1.374	62	73280	47.311	ug/l	97
5) Bromomethane	1.593	94	30682	50.390	ug/l	99
6) Chloroethane	1.660	64	39147	54.794	ug/l	100
7) Trichlorofluoromethane	1.874	101	104874	51.147	ug/l	99
8) Diethyl Ether	2.130	74	37439	46.681	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	65226	55.369	ug/l	99
10) Methyl Iodide	2.441	142	77939	52.942	ug/l	98
11) Tert butyl alcohol	2.977	59	59389	194.474	ug/l	97
12) 1,1-Dichloroethene	2.307	96	62298	50.020	ug/l	99
13) Acrolein	2.233	56	77625	219.893	ug/l	100
14) Allyl chloride	2.654	41	118042	53.245	ug/l	99
15) Acrylonitrile	3.063	53	209132	255.519	ug/l	99
16) Acetone	2.380	43	192994	258.004	ug/l	99
17) Carbon Disulfide	2.502	76	156835	47.279	ug/l	96
18) Methyl Acetate	2.703	43	101610	56.465	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	208892	49.992	ug/l	100
20) Methylene Chloride	2.782	84	72325	48.811	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	62483	50.781	ug/l	96
22) Diisopropyl ether	3.758	45	233037	51.685	ug/l	96
23) Vinyl Acetate	3.715	43	995766	264.646	ug/l	98
24) 1,1-Dichloroethane	3.599	63	126144	49.921	ug/l	99
25) 2-Butanone	4.550	43	294568	261.614	ug/l	99
26) 2,2-Dichloropropane	4.465	77	91726	77.390	ug/l	95
27) cis-1,2-Dichloroethene	4.477	96	76526	50.382	ug/l	96
28) Bromochloromethane	4.891	49	58687	48.726	ug/l	99
29) Tetrahydrofuran	5.001	42	185916	245.874	ug/l	99
30) Chloroform	5.087	83	125081	49.818	ug/l	100
31) Cyclohexane	5.458	56	112624	51.345	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	103045	50.816	ug/l	98
36) 1,1-Dichloropropene	5.684	75	83960	51.860	ug/l	100
37) Ethyl Acetate	4.709	43	108170	51.851	ug/l	99
38) Carbon Tetrachloride	5.666	117	87028	52.948	ug/l	98
39) Methylcyclohexane	7.373	83	109872	56.638	ug/l	99
40) Benzene	6.025	78	262366	51.320	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045211.D
Acq On : 11 Mar 2025 09:59
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 12 01:41:38 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	60141	53.315	ug/l		98
42) 1,2-Dichloroethane	6.080	62	96385	52.356	ug/l		99
43) Isopropyl Acetate	6.336	43	168322	54.564	ug/l		99
44) Trichloroethene	7.117	130	62473	52.042	ug/l		100
45) 1,2-Dichloropropane	7.422	63	67025	50.991	ug/l		99
46) Dibromomethane	7.574	93	49158	52.911	ug/l		98
47) Bromodichloromethane	7.818	83	98381	53.986	ug/l		99
48) Methyl methacrylate	7.690	41	83051	53.663	ug/l		97
49) 1,4-Dioxane	7.659	88	29383	900.059	ug/l		99
51) 4-Methyl-2-Pentanone	8.568	43	561413	271.045	ug/l		100
52) Toluene	8.714	92	158892	52.972	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	90808	59.606	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	102314	57.592	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	63793	51.661	ug/l		97
56) Ethyl methacrylate	9.116	69	104915	55.894	ug/l		99
57) 1,3-Dichloropropane	9.305	76	111402	52.131	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	266994	291.597	ug/l		99
59) 2-Hexanone	9.427	43	404272	269.382	ug/l		100
60) Dibromochloromethane	9.519	129	71357	55.267	ug/l		99
61) 1,2-Dibromoethane	9.604	107	65874	53.438	ug/l		97
64) Tetrachloroethene	9.269	164	51638	52.473	ug/l		94
65) Chlorobenzene	10.073	112	172081	52.928	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	57191	52.821	ug/l		99
67) Ethyl Benzene	10.189	91	306683	54.136	ug/l		98
68) m/p-Xylenes	10.299	106	226899	109.410	ug/l		99
69) o-Xylene	10.640	106	111278	53.202	ug/l		98
70) Styrene	10.653	104	187697	55.460	ug/l		99
71) Bromoform	10.799	173	46985	57.546	ug/l	#	98
73) Isopropylbenzene	10.957	105	293007	53.524	ug/l		99
74) N-amyl acetate	10.842	43	137353	53.471	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	97628	48.598	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	106142	65.021	ug/l		84
77) Bromobenzene	11.195	156	66839	51.748	ug/l		99
78) n-propylbenzene	11.299	91	345156	55.815	ug/l		99
79) 2-Chlorotoluene	11.360	91	203667	51.714	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	239185	54.036	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	28423	59.586	ug/l		97
82) 4-Chlorotoluene	11.451	91	230104	53.609	ug/l		100
83) tert-Butylbenzene	11.713	119	240128	52.798	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	240636	54.029	ug/l		100
85) sec-Butylbenzene	11.890	105	306106	56.188	ug/l		99
86) p-Isopropyltoluene	12.006	119	247047	56.113	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	118813	51.564	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	118921	51.014	ug/l		98
89) n-Butylbenzene	12.329	91	225130	59.371	ug/l		100
90) Hexachloroethane	12.536	117	43824	55.032	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	117166	50.690	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20560	52.534	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	72696	55.234	ug/l		99
94) Hexachlorobutadiene	13.725	225	30733	56.956	ug/l		98
95) Naphthalene	13.774	128	261123	51.639	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	72754	52.399	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045211.D
Acq On : 11 Mar 2025 09:59
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 12 01:41:38 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)

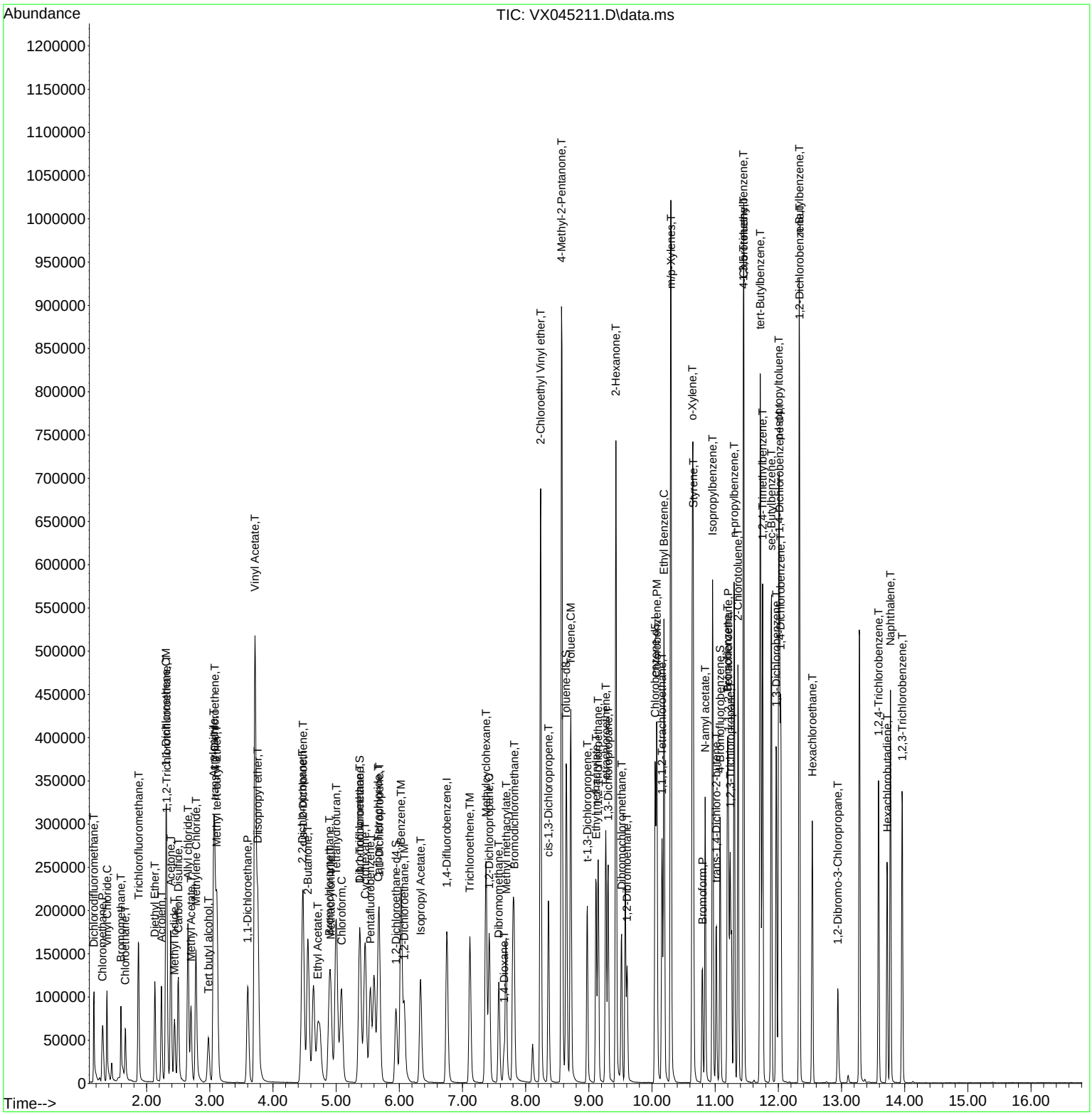
(#) = qualifier out of range (m) = manual integration (+) = signals summed

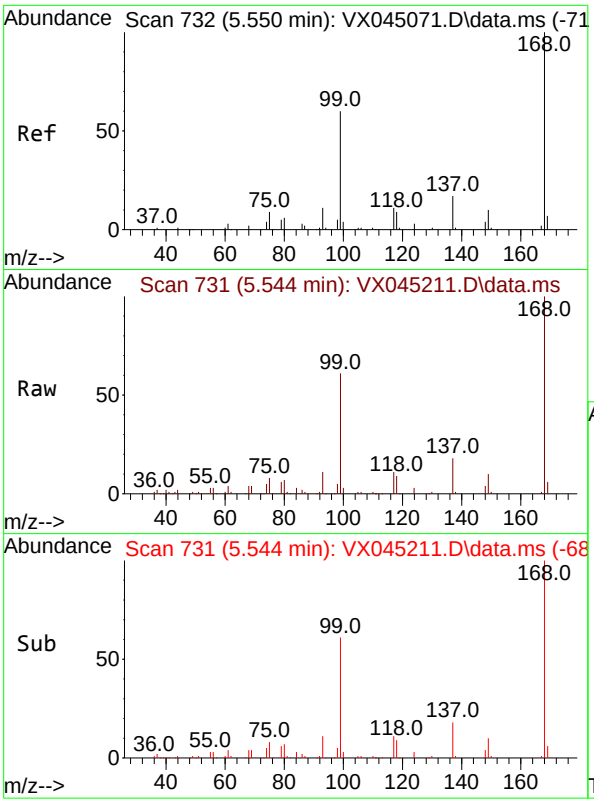
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045211.D
Acq On : 11 Mar 2025 09:59
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 12 01:41:38 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



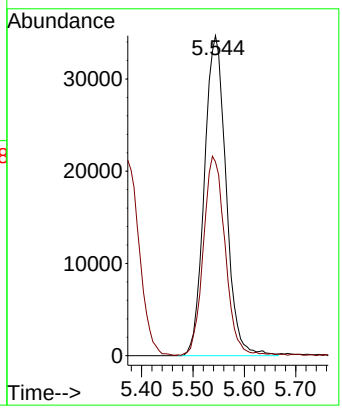


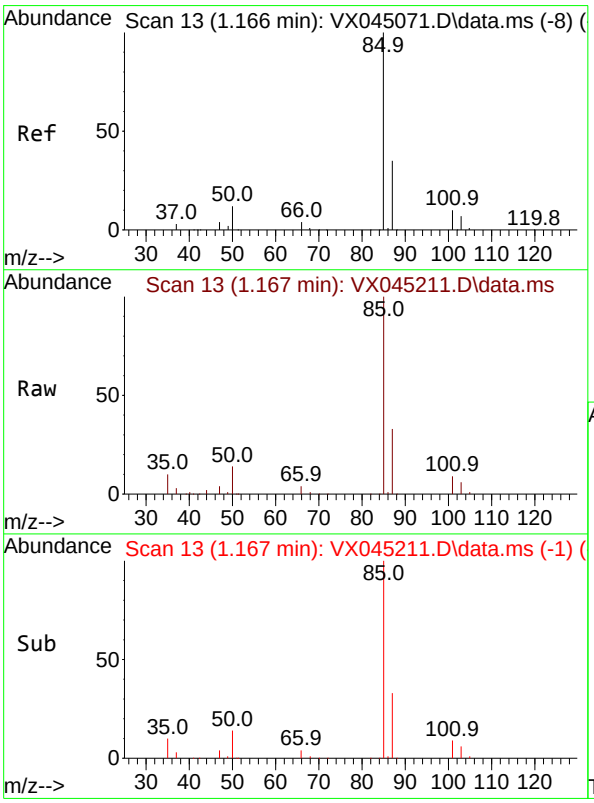
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 101357

Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.2	72.4

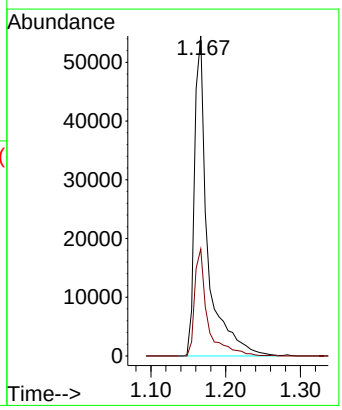


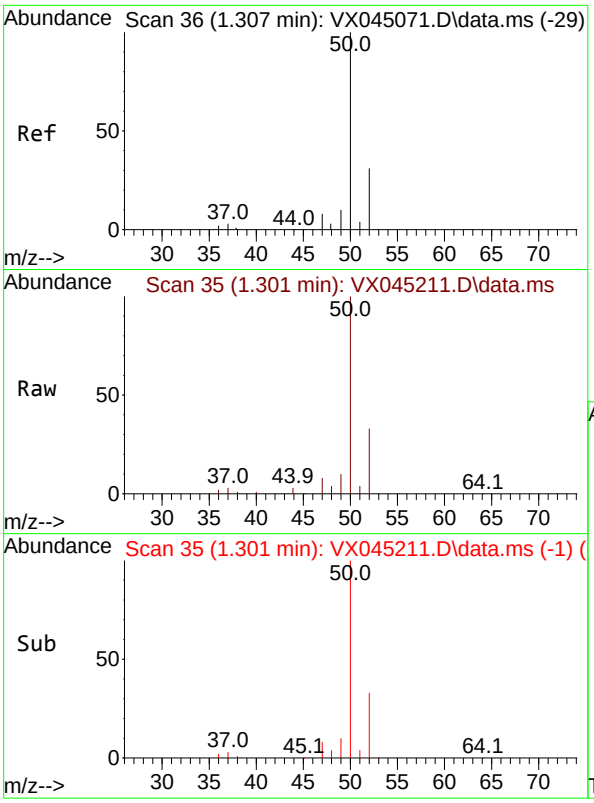


#2
Dichlorodifluoromethane
Concen: 52.372 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 85 Resp: 66819

Ion	Ratio	Lower	Upper
85	100		
87	33.4	17.4	52.3



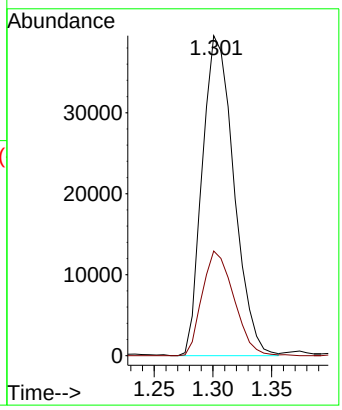


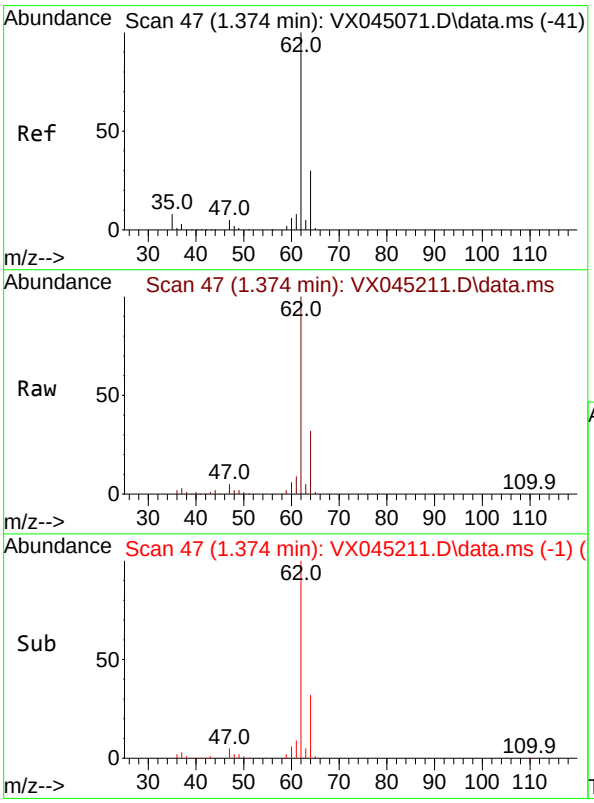
#3
Chloromethane
Concen: 47.472 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 74121

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.0	37.4

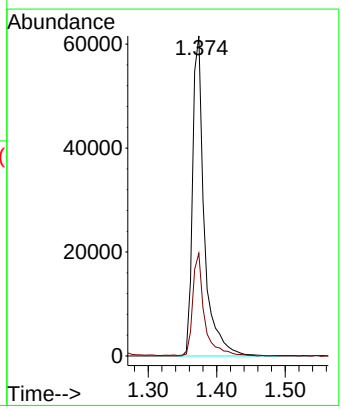


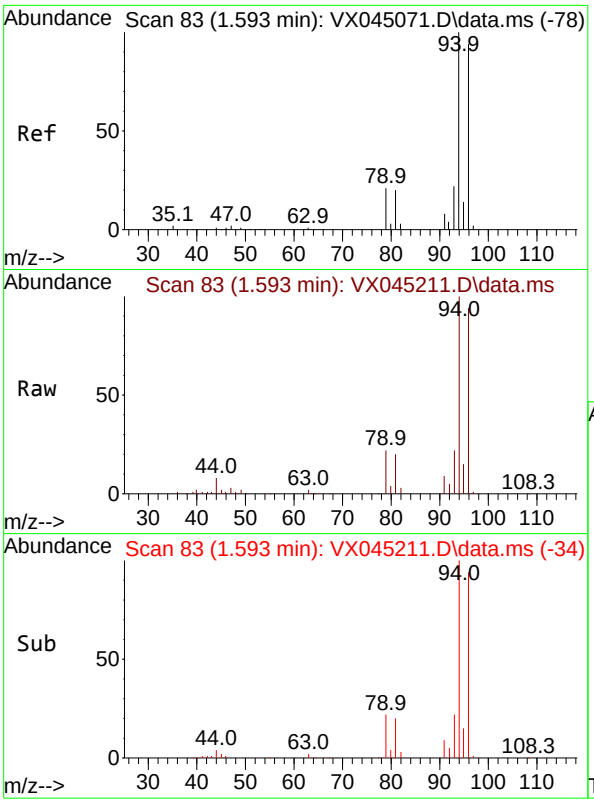


#4
Vinyl Chloride
Concen: 47.311 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 62 Resp: 73280

Ion	Ratio	Lower	Upper
62	100		
64	32.0	24.3	36.5



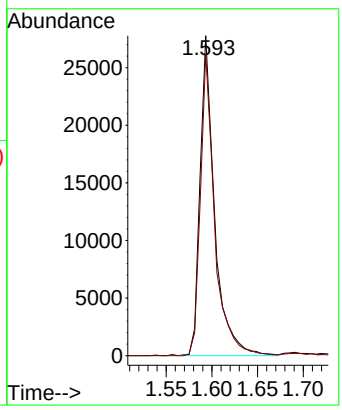


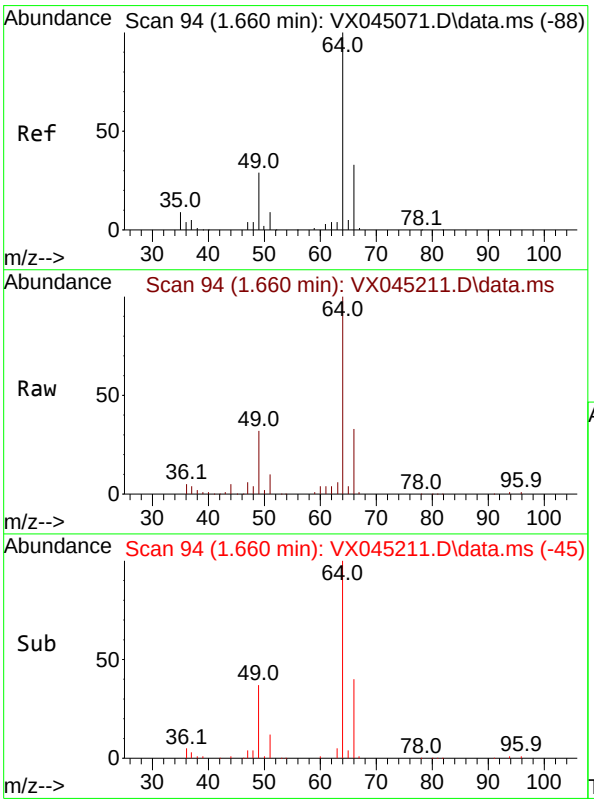
#5
Bromomethane
Concen: 50.390 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 30682

Ion	Ratio	Lower	Upper
94	100		
96	94.3	75.0	112.4

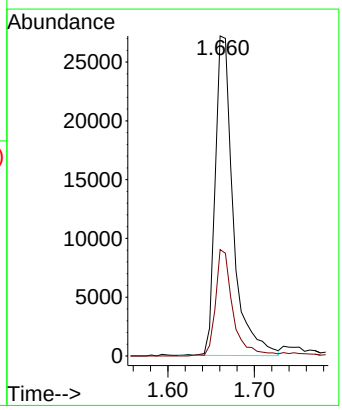


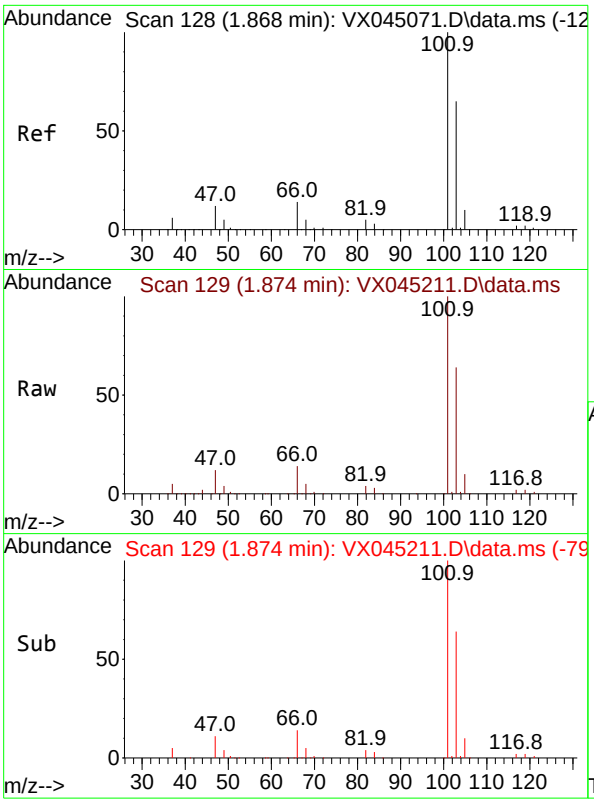


#6
Chloroethane
Concen: 54.794 ug/l
RT: 1.660 min Scan# 94
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 64 Resp: 39147

Ion	Ratio	Lower	Upper
64	100		
66	33.3	26.7	40.1



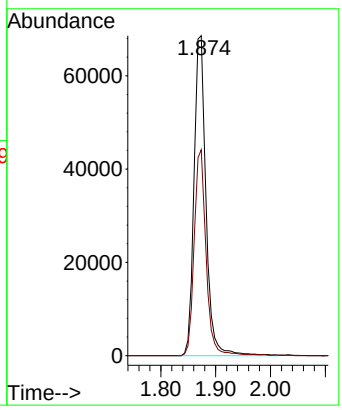


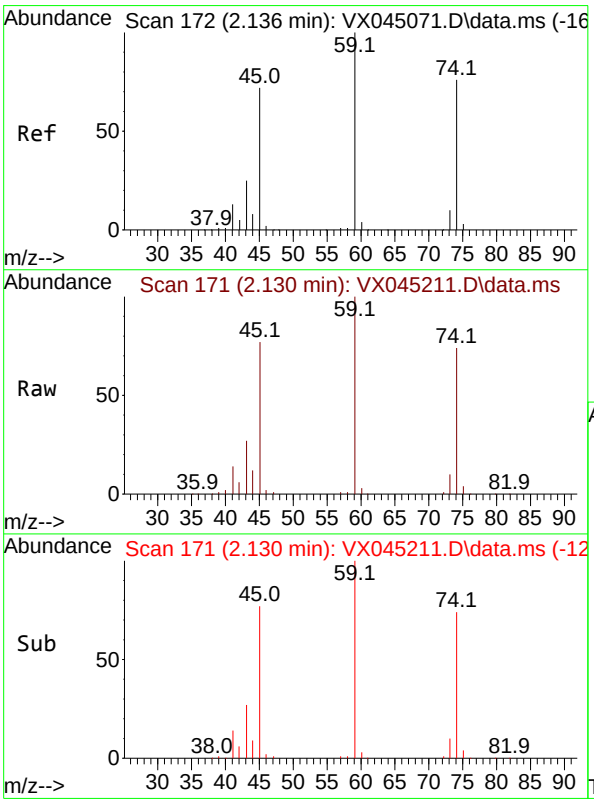
#7
Trichlorofluoromethane
Concen: 51.147 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 104874

Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.1	78.1

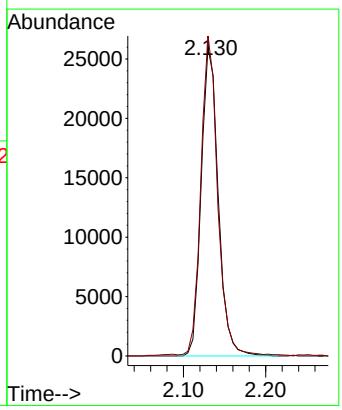


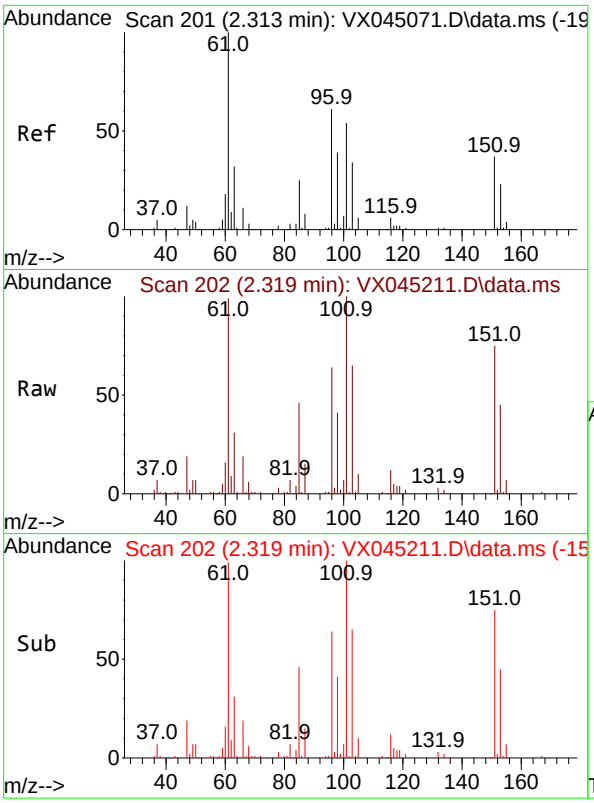


#8
Diethyl Ether
Concen: 46.681 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 74 Resp: 37439

Ion	Ratio	Lower	Upper
74	100		
45	103.5	51.5	154.5



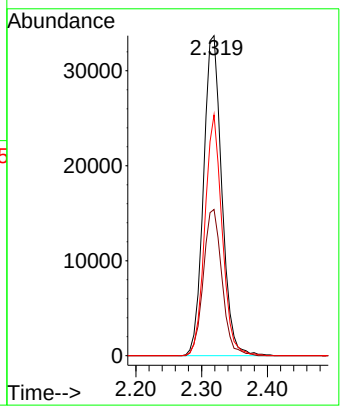


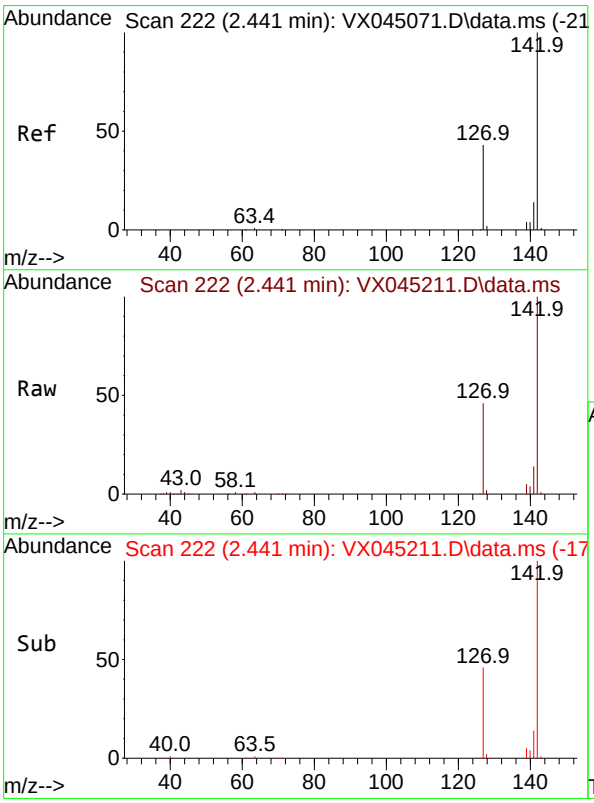
#9
1,1,2-Trichlorotrifluoroethane
Concen: 55.369 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 65226

Ion	Ratio	Lower	Upper
101	100		
85	46.5	36.2	54.4
151	71.0	56.4	84.6

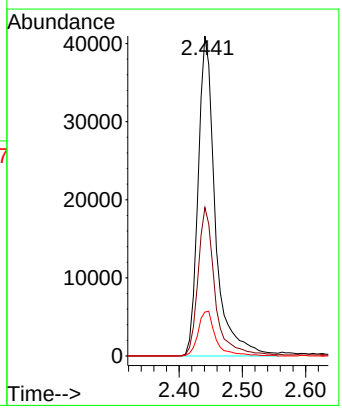


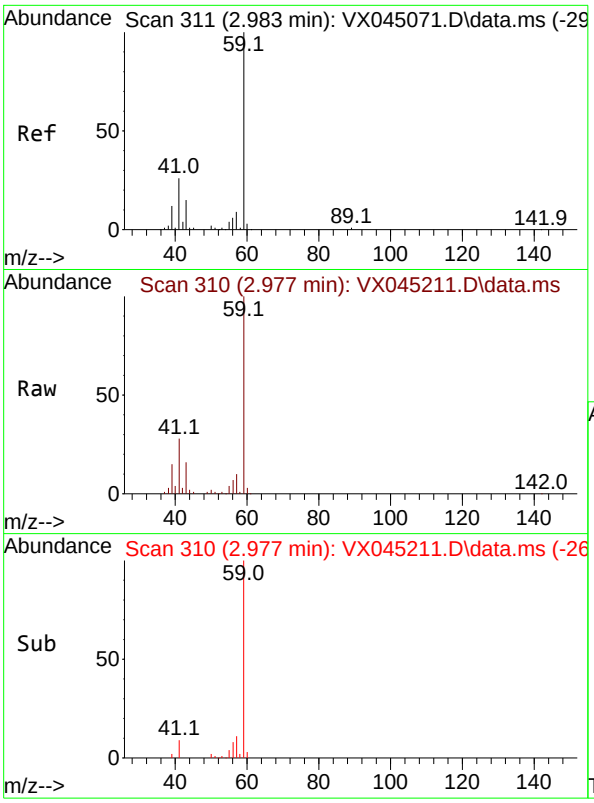


#10
Methyl Iodide
Concen: 52.942 ug/l
RT: 2.441 min Scan# 222
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:142 Resp: 77939

Ion	Ratio	Lower	Upper
142	100		
127	46.0	35.4	53.2
141	14.3	11.6	17.4



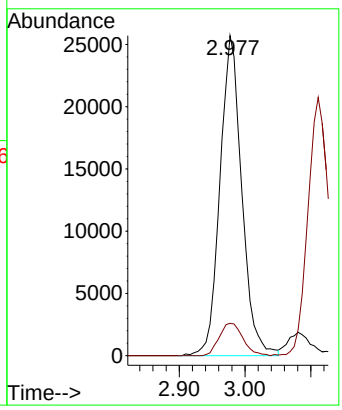


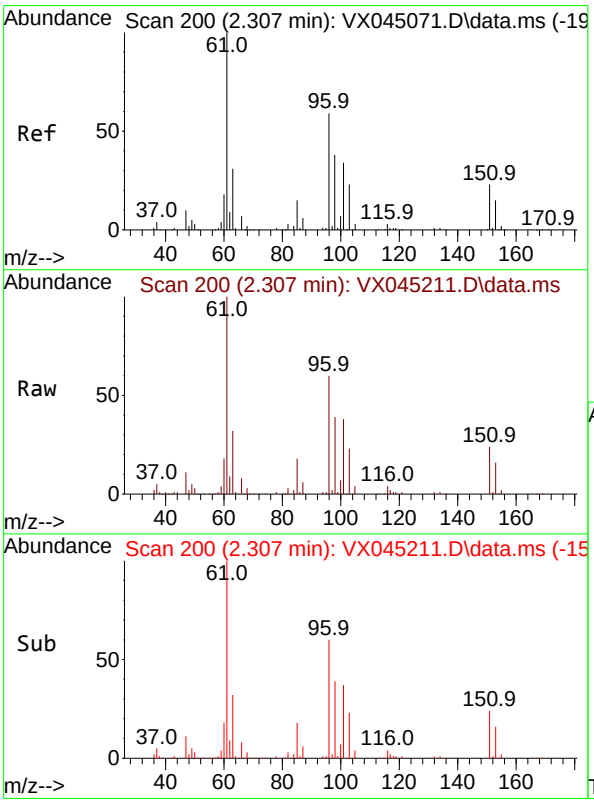
#11
Tert butyl alcohol
Concen: 194.474 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 59389

Ion	Ratio	Lower	Upper
59	100		
57	11.0	7.8	11.8

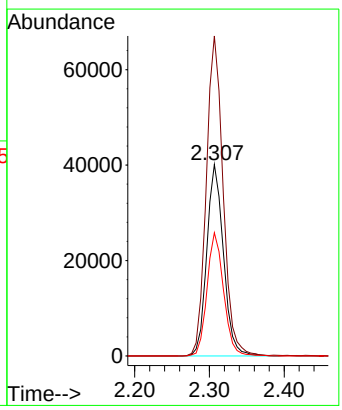


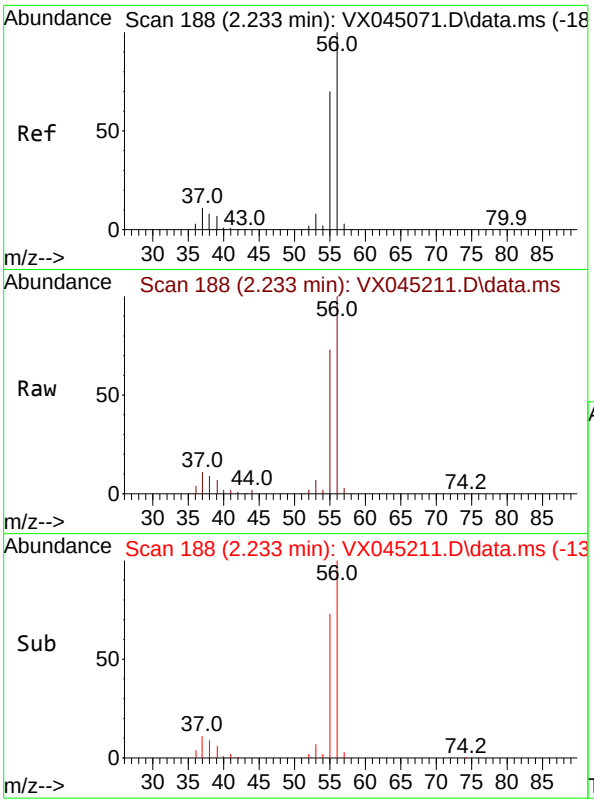


#12
1,1-Dichloroethene
Concen: 50.020 ug/l
RT: 2.307 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 96 Resp: 62298

Ion	Ratio	Lower	Upper
96	100		
61	167.1	134.6	202.0
98	64.3	51.0	76.6



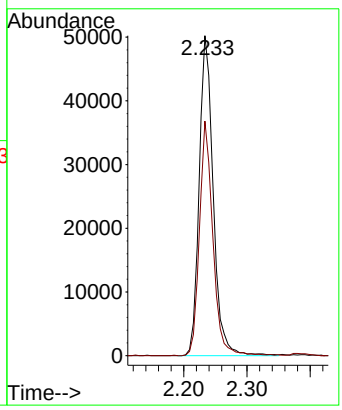


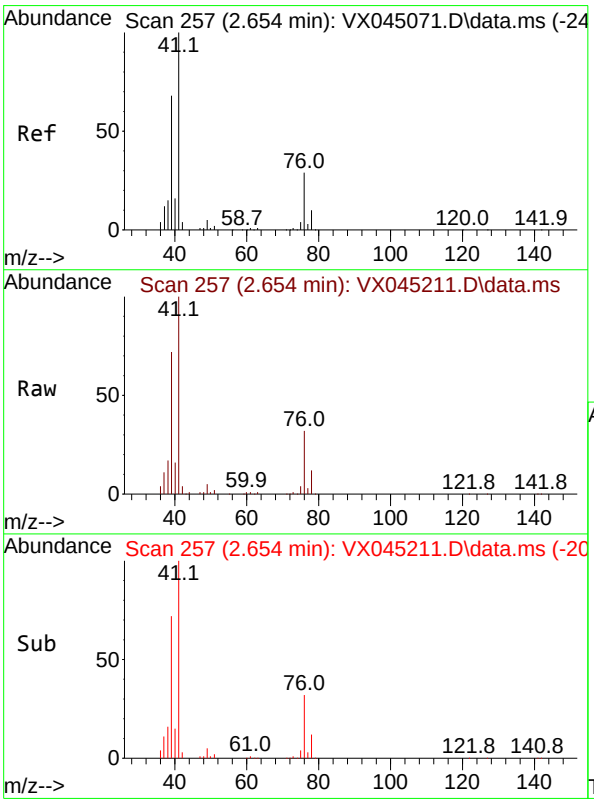
#13
Acrolein
Concen: 219.893 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 77625

Ion	Ratio	Lower	Upper
56	100		
55	70.2	56.2	84.4

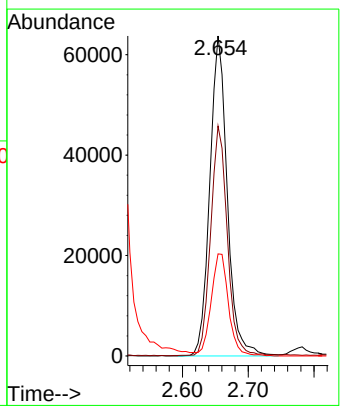


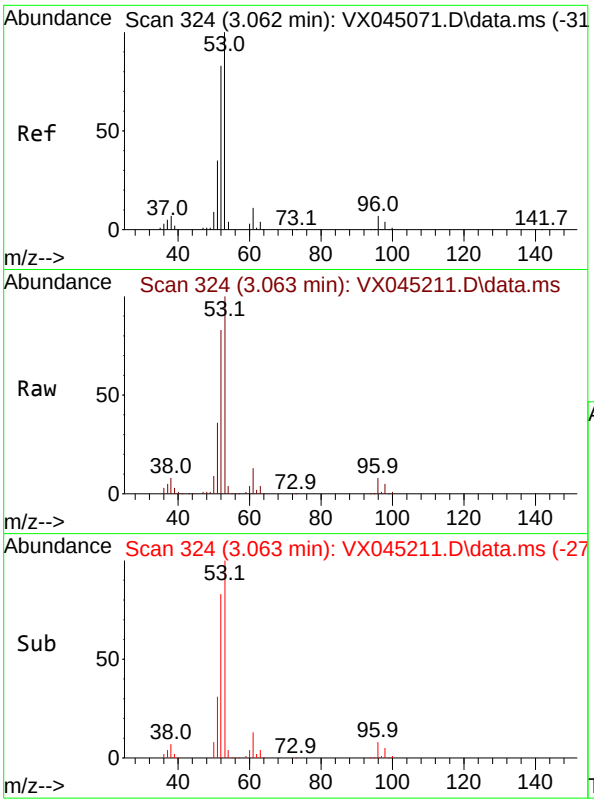


#14
Allyl chloride
Concen: 53.245 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 41 Resp: 118042

Ion	Ratio	Lower	Upper
41	100		
39	68.3	53.8	80.8
76	31.7	25.2	37.8



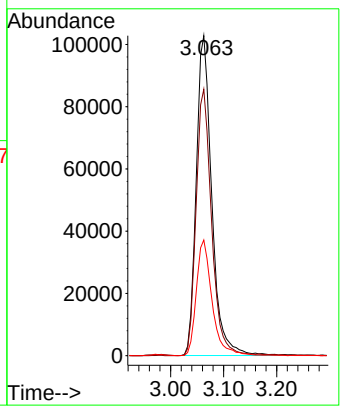


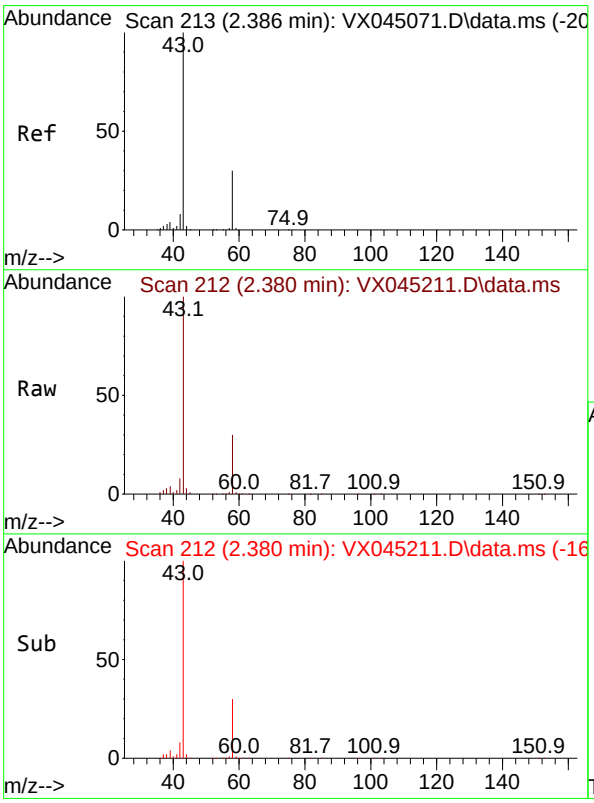
#15
Acrylonitrile
Concen: 255.519 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 209132

Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.2	99.2
51	36.8	29.0	43.4

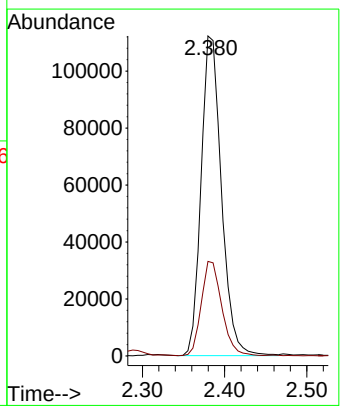


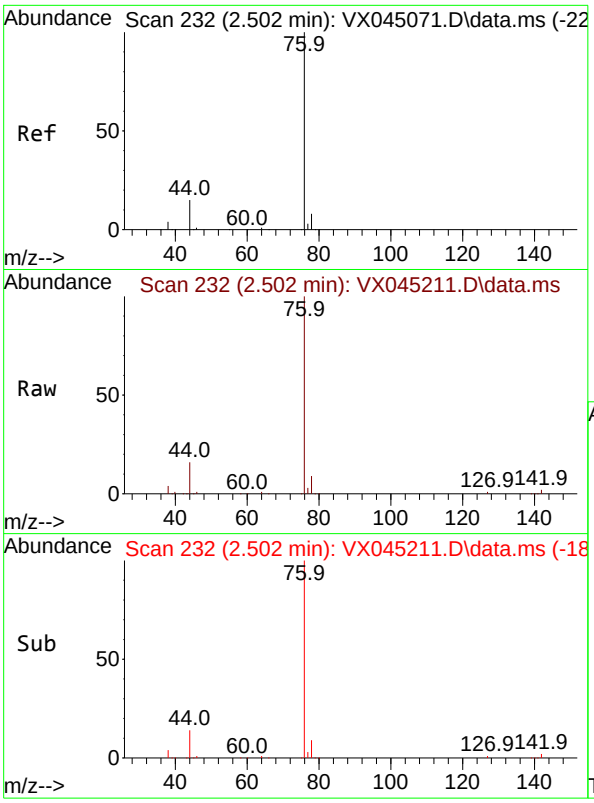


#16
Acetone
Concen: 258.004 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 43 Resp: 192994

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.2	36.4



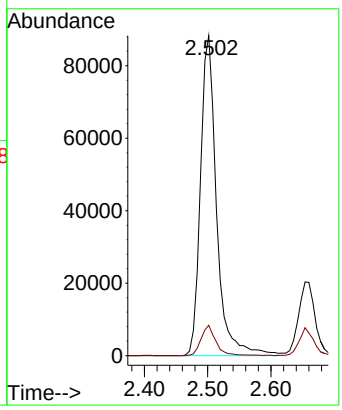


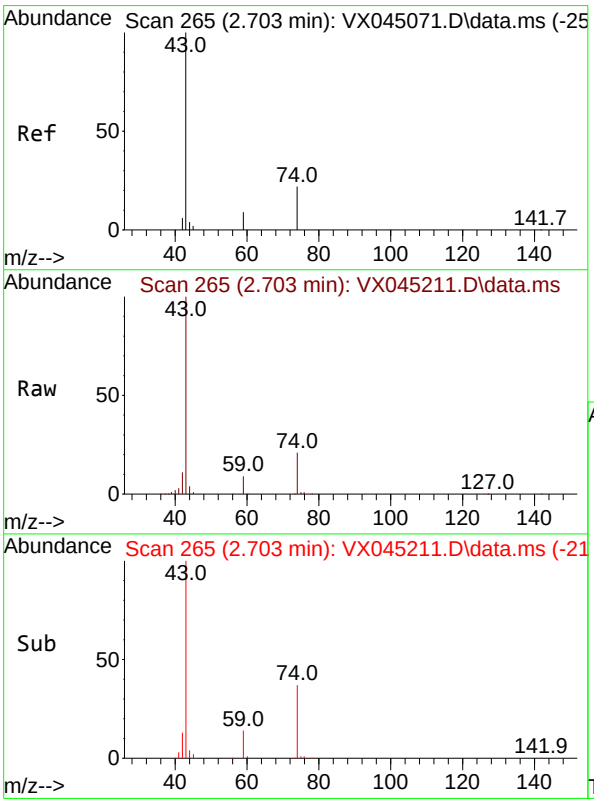
#17
Carbon Disulfide
Concen: 47.279 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 156835

Ion	Ratio	Lower	Upper
76	100		
78	9.5	6.6	9.8

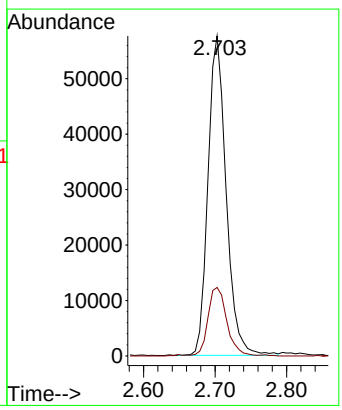


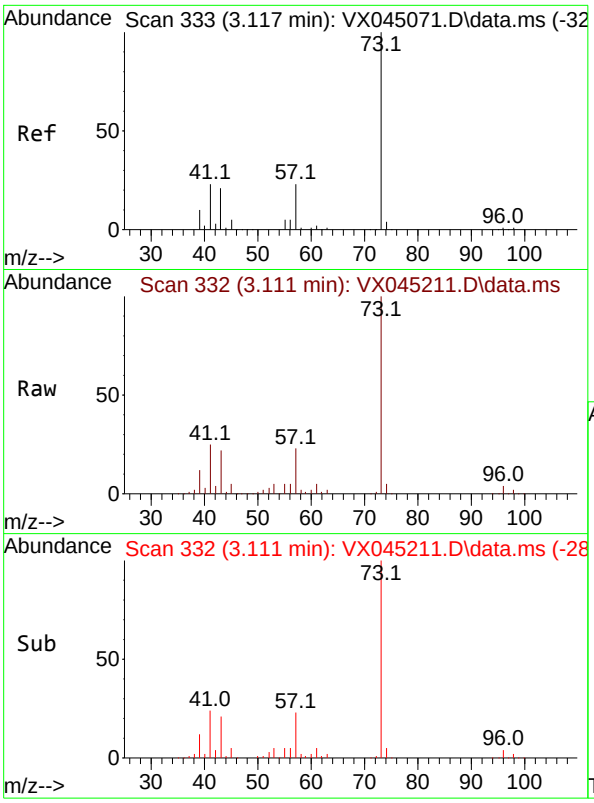


#18
Methyl Acetate
Concen: 56.465 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 43 Resp: 101610

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.4	26.2



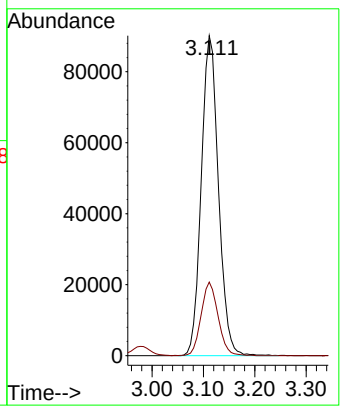


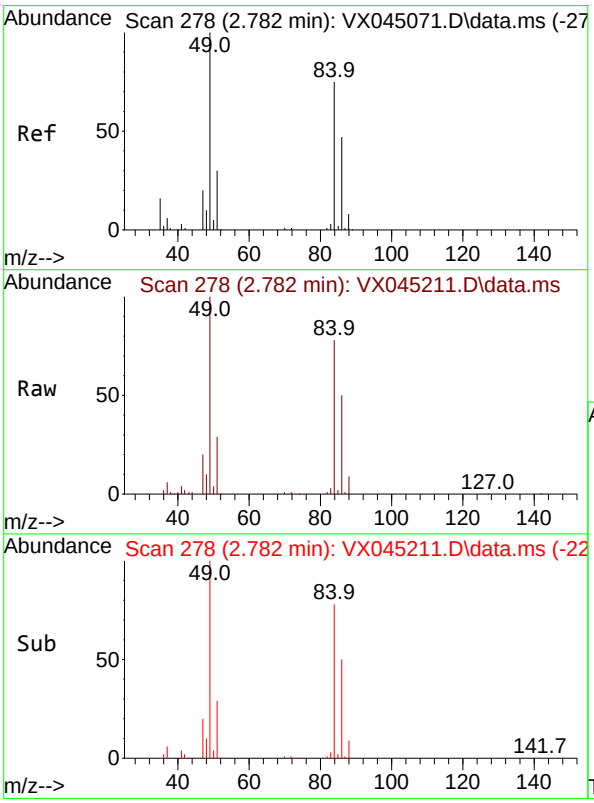
#19
Methyl tert-butyl Ether
Concen: 49.992 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 208892

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.5	27.7

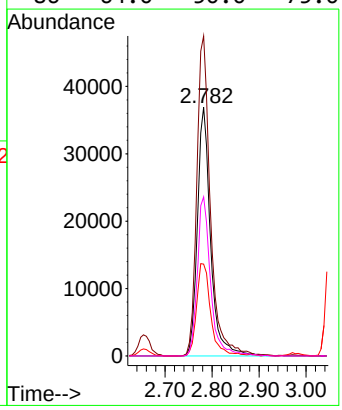


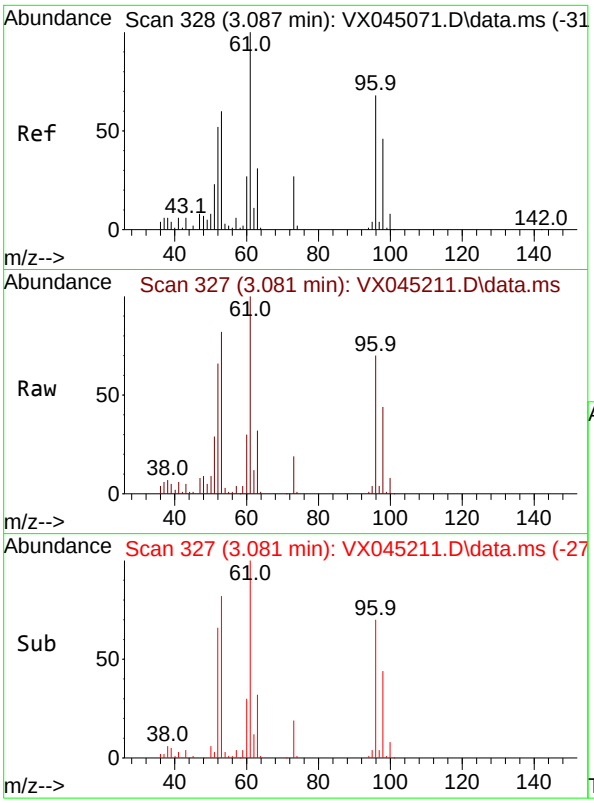


#20
Methylene Chloride
Concen: 48.811 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 84 Resp: 72325

Ion	Ratio	Lower	Upper
84	100		
49	128.7	106.5	159.7
51	37.0	32.1	48.1
86	64.0	50.0	75.0



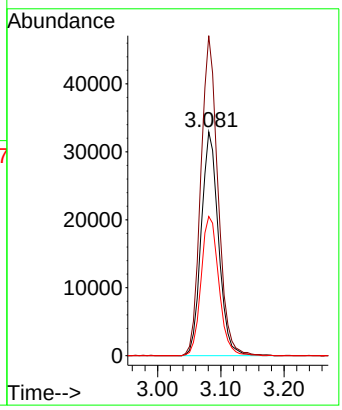


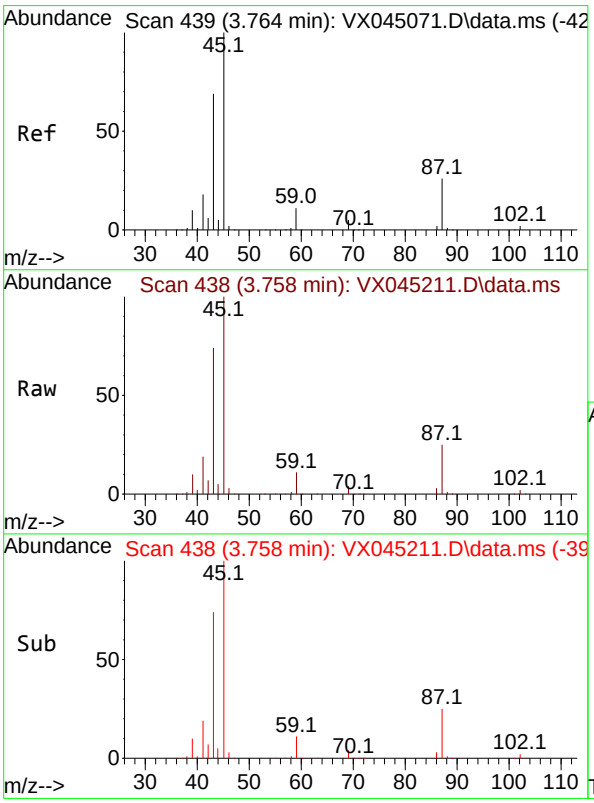
#21
trans-1,2-Dichloroethene
Concen: 50.781 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 62483

Ion	Ratio	Lower	Upper
96	100		
61	143.0	117.0	175.4
98	62.2	53.4	80.2

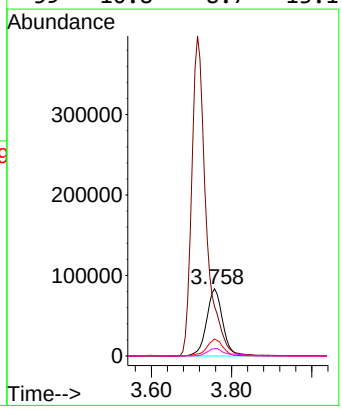


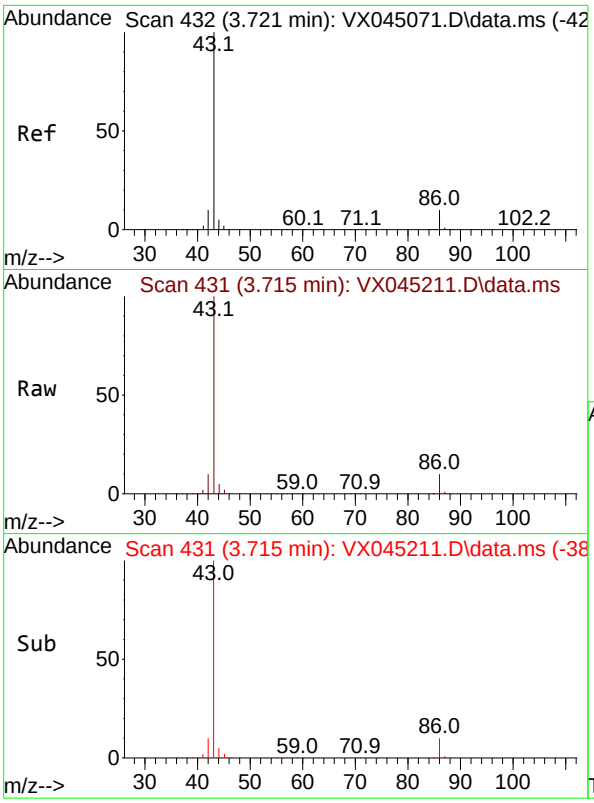


#22
Diisopropyl ether
Concen: 51.685 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 45 Resp: 233037

Ion	Ratio	Lower	Upper
45	100		
43	73.5	54.9	82.3
87	25.3	21.0	31.4
59	10.8	8.7	13.1



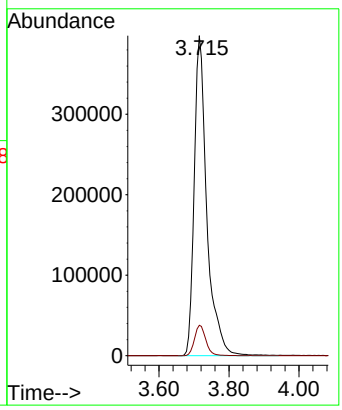


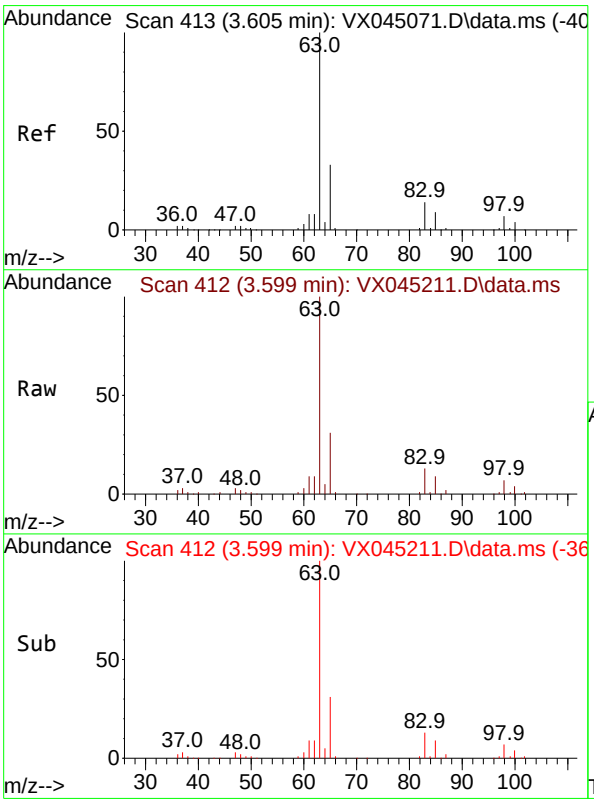
#23
Vinyl Acetate
Concen: 264.646 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 995766

Ion	Ratio	Lower	Upper
43	100		
86	9.5	8.1	12.1

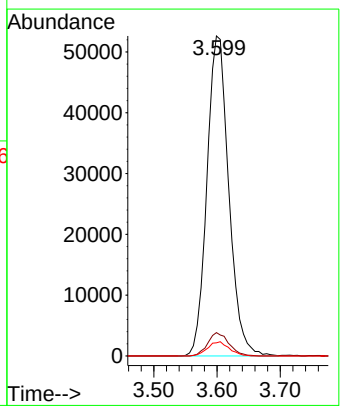


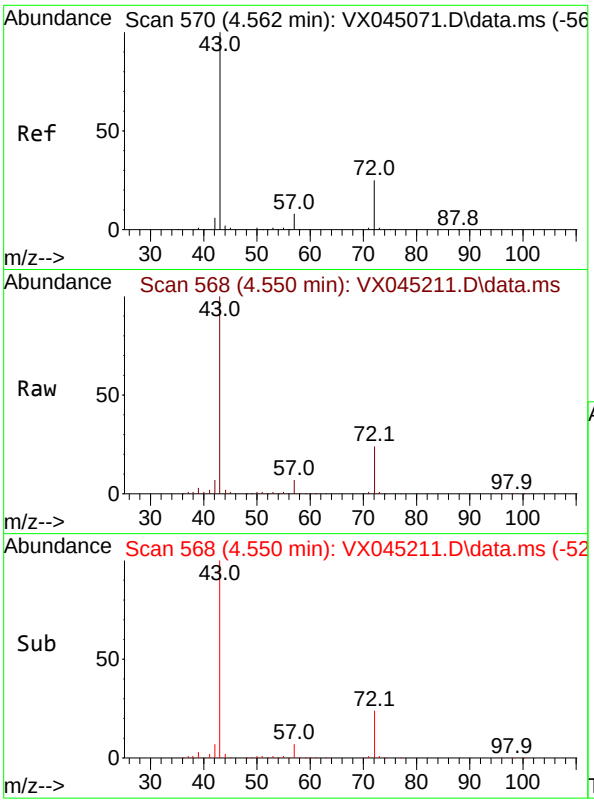


#24
1,1-Dichloroethane
Concen: 49.921 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 63 Resp: 126144

Ion	Ratio	Lower	Upper
63	100		
98	7.3	3.4	10.2
100	4.1	2.1	6.5



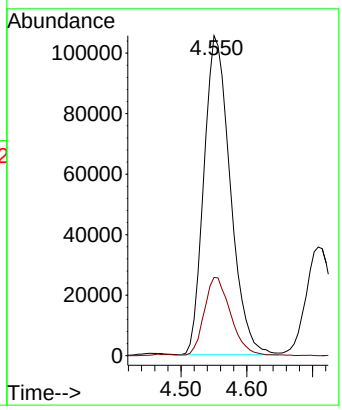


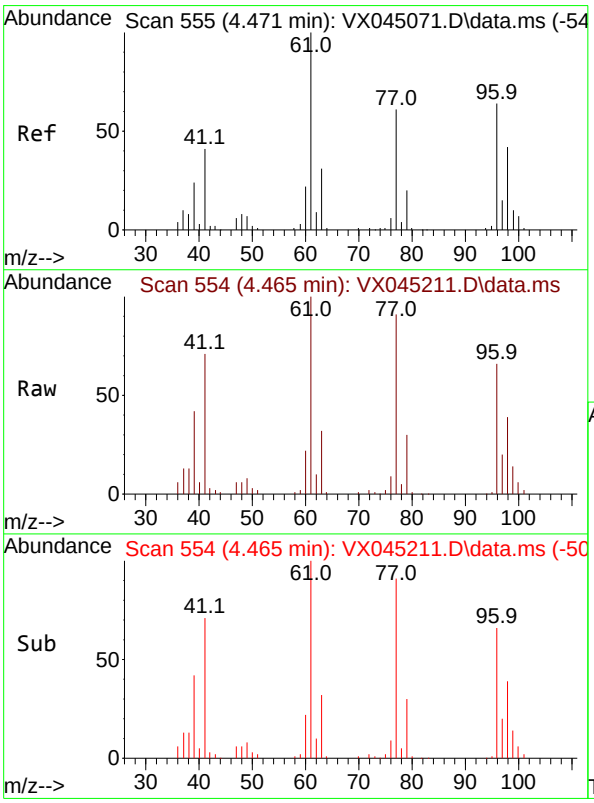
#25
2-Butanone
Concen: 261.614 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 294568

Ion	Ratio	Lower	Upper
43	100		
72	24.3	20.0	30.0

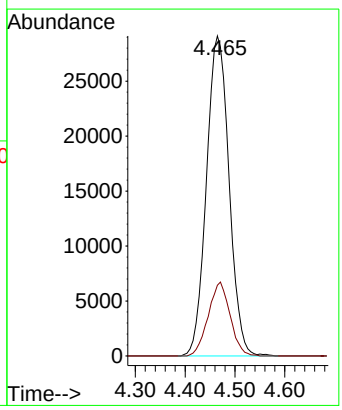


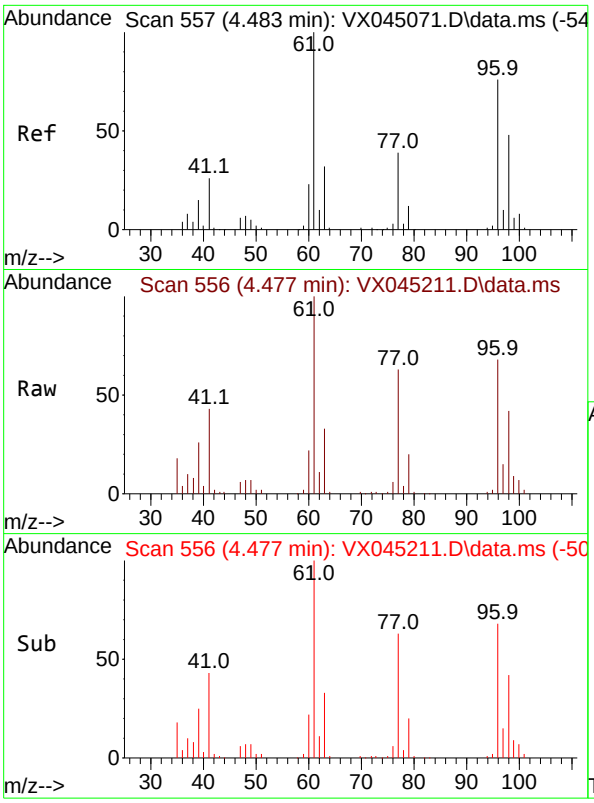


#26
2,2-Dichloropropane
Concen: 77.390 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 77 Resp: 91726

Ion	Ratio	Lower	Upper
77	100		
97	22.3	12.4	37.0



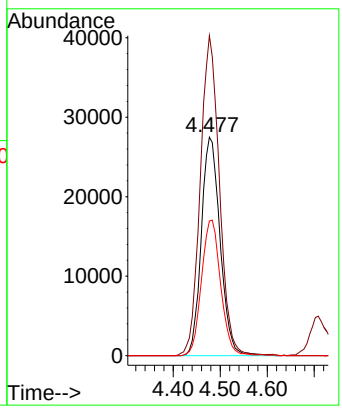


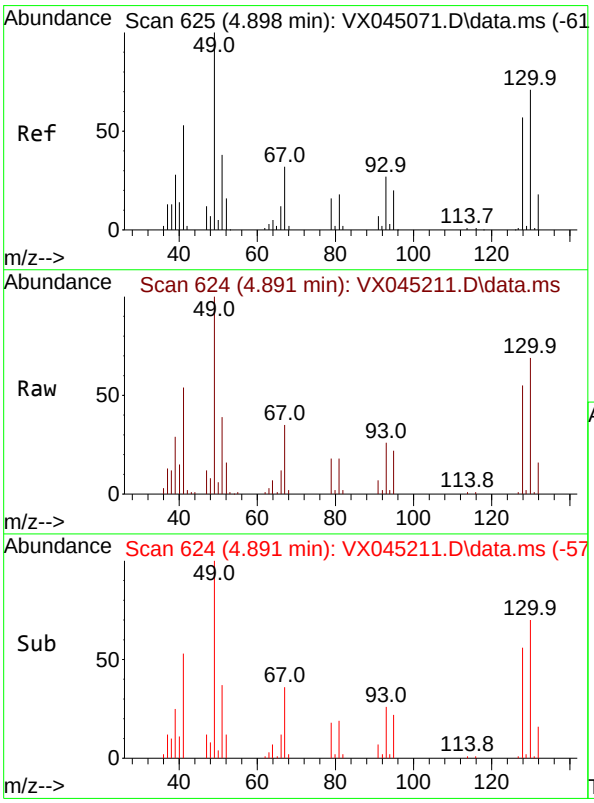
#27
cis-1,2-Dichloroethene
Concen: 50.382 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 76526

Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	283.2
98	63.1	0.0	128.0

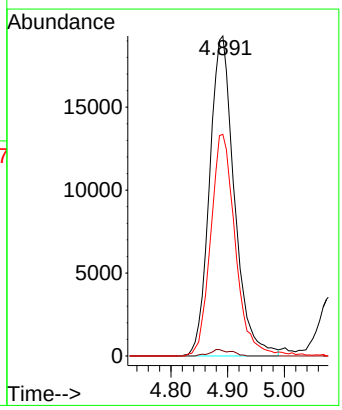


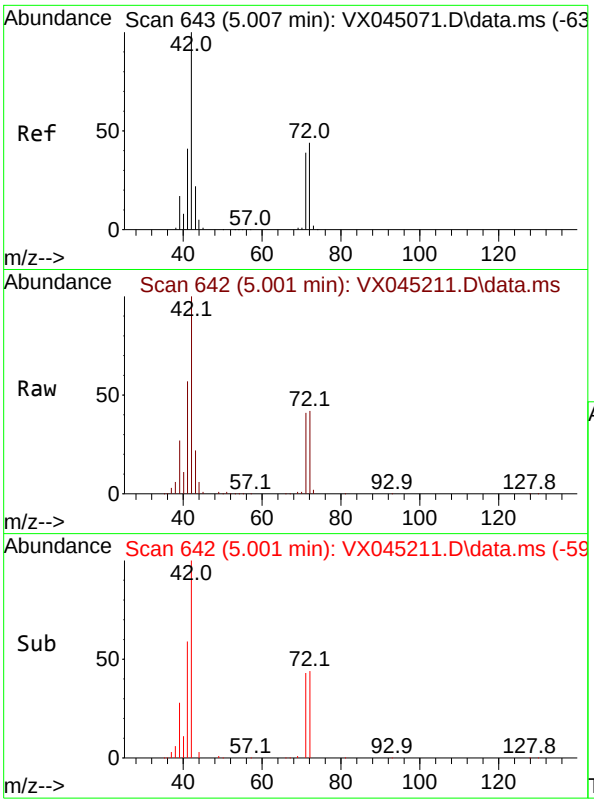


#28
Bromochloromethane
Concen: 48.726 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 49 Resp: 58687

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	69.2	56.1	84.1



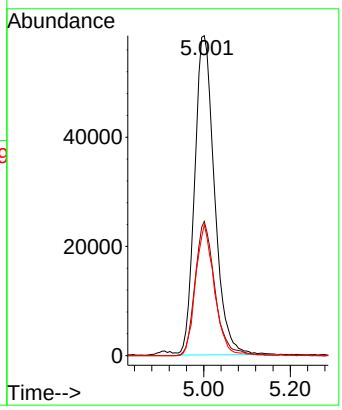


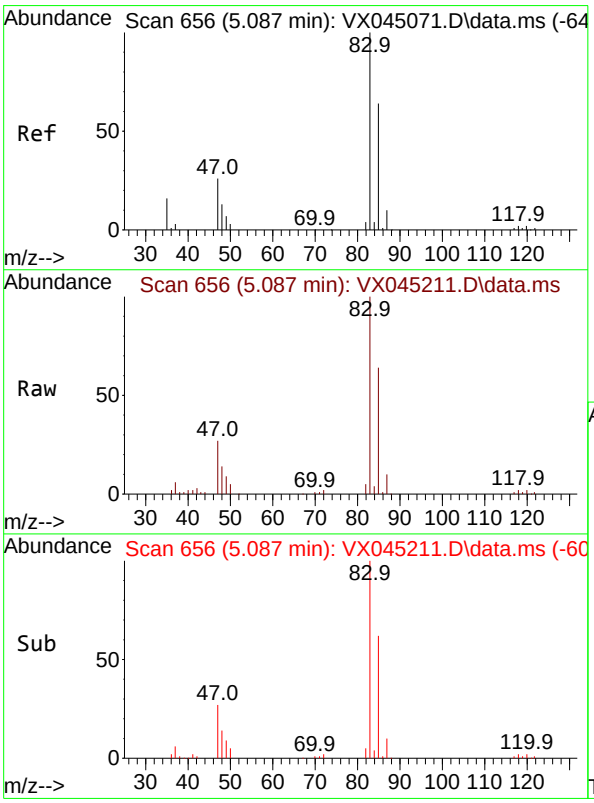
#29
Tetrahydrofuran
Concen: 245.874 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 185916

Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	39.0	31.4	47.0

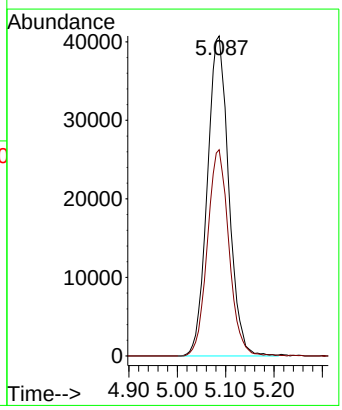


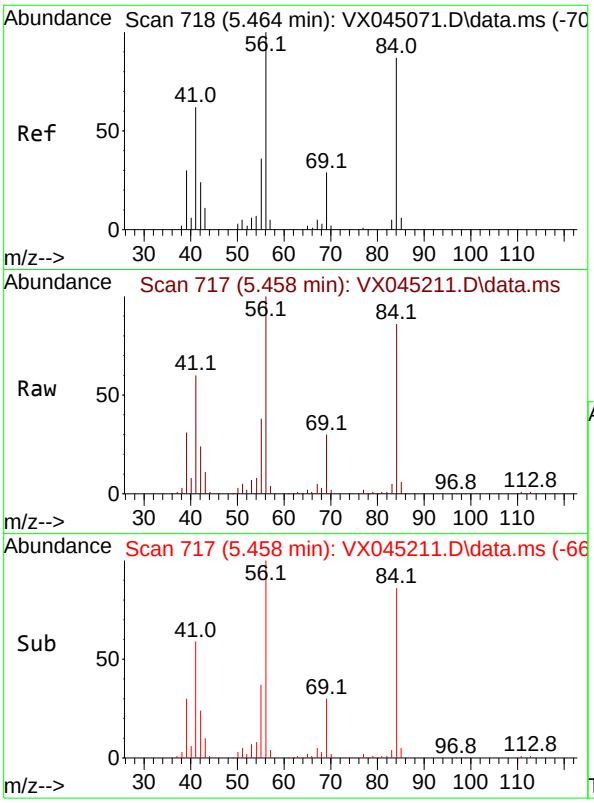


#30
Chloroform
Concen: 49.818 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 83 Resp: 125081

Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.2



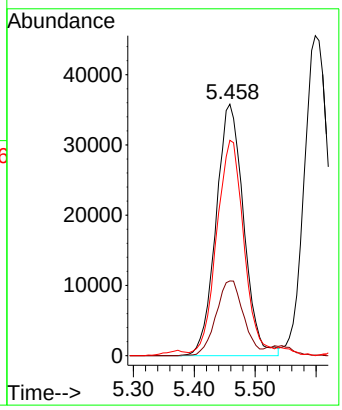


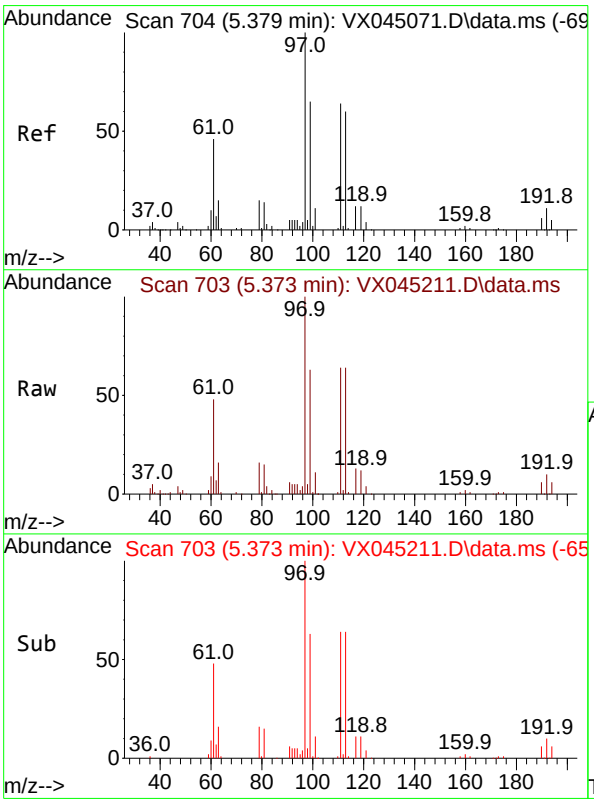
#31
Cyclohexane
Concen: 51.345 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 112624

Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.4	35.2
84	83.4	69.4	104.2

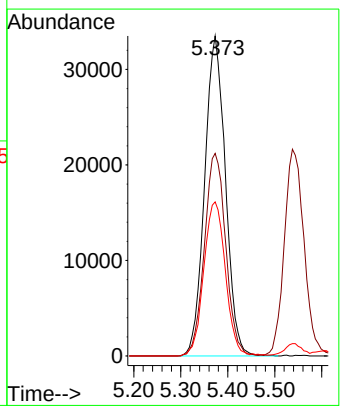


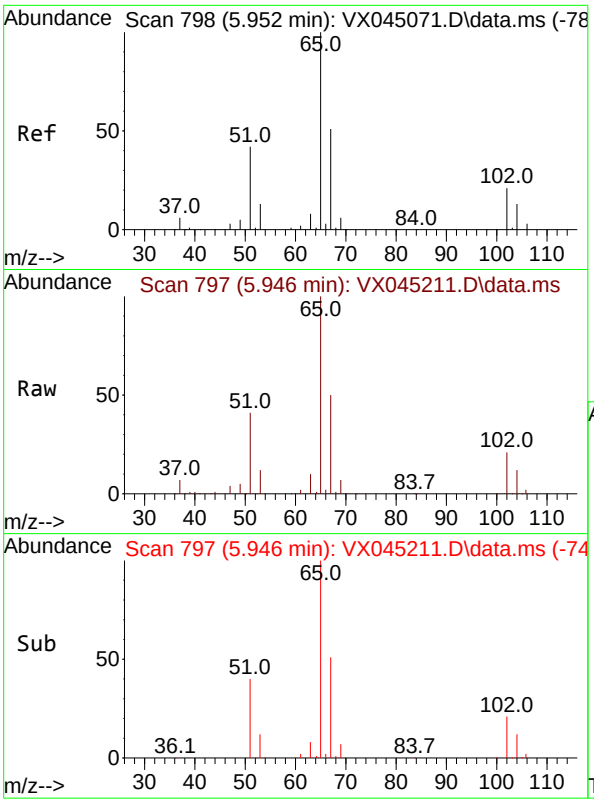


#32
1,1,1-Trichloroethane
Concen: 50.816 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 97 Resp: 103045

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	50.2	38.4	57.6



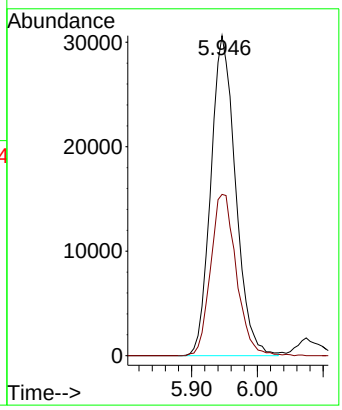


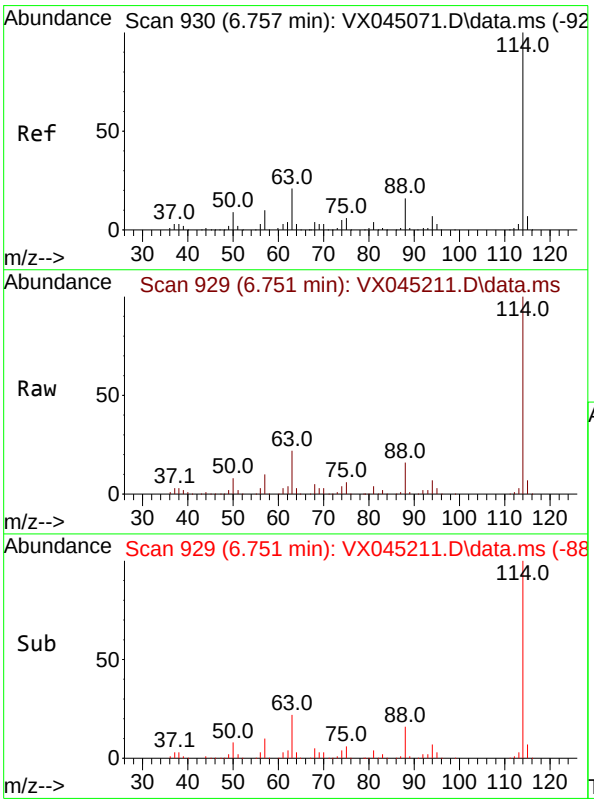
#33
1,2-Dichloroethane-d4
Concen: 49.818 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 80318

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	106.2

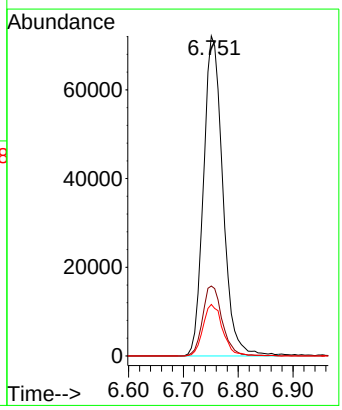


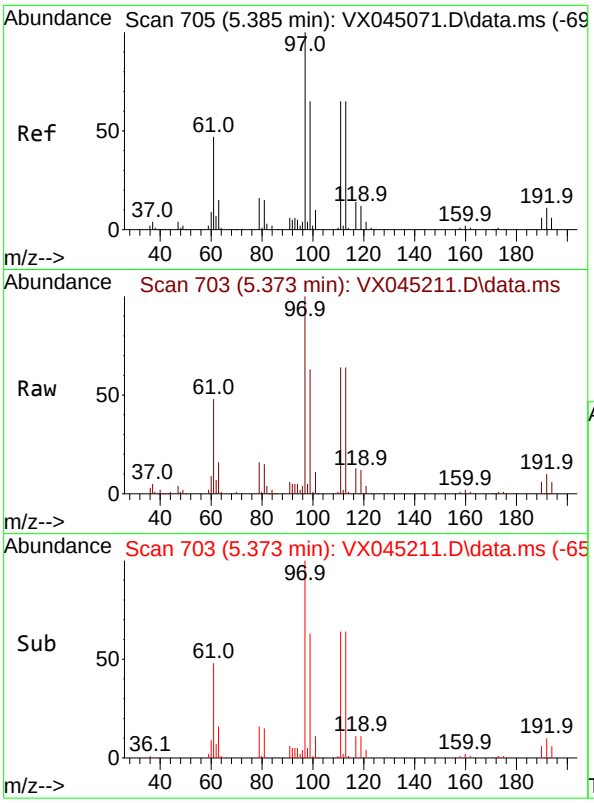


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:114 Resp: 176548

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	41.8
88	16.1	0.0	32.8



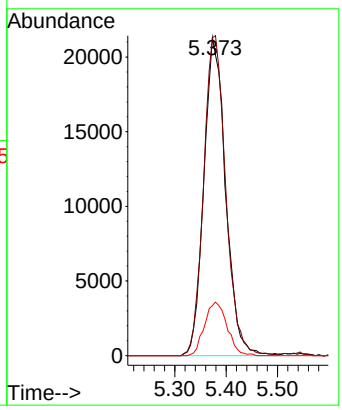


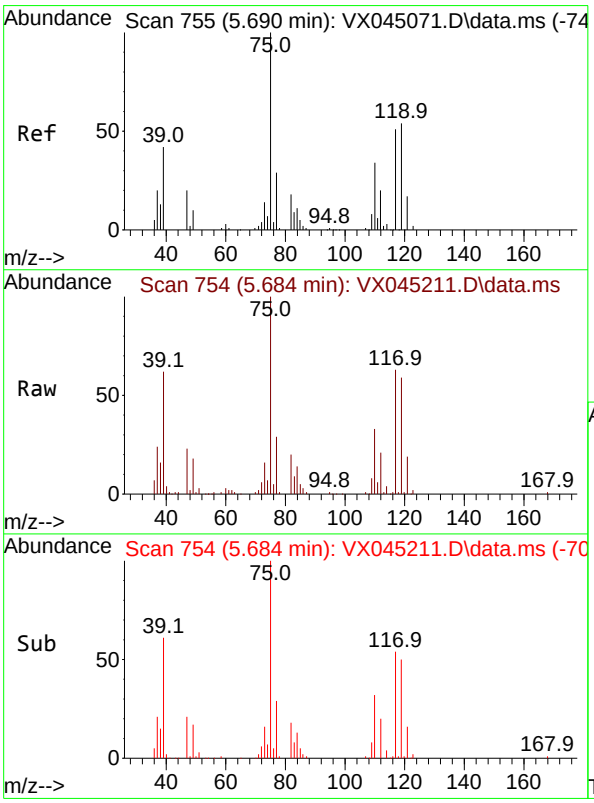
#35
Dibromofluoromethane
Concen: 53.104 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 62691

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.6
192	17.4	14.3	21.5

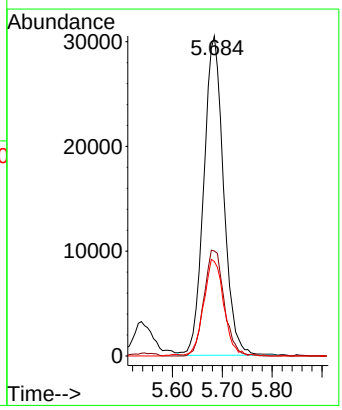


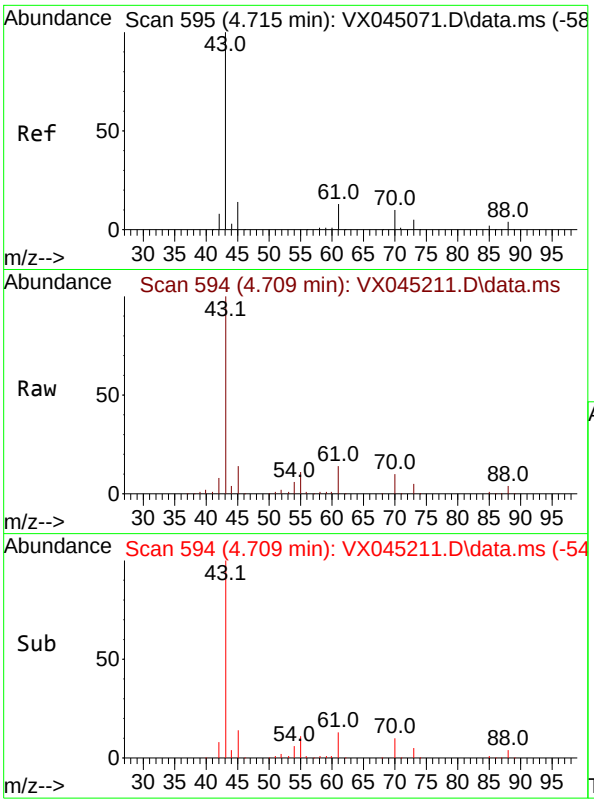


#36
1,1-Dichloropropene
Concen: 51.860 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 75 Resp: 83960

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.3	24.5	36.7



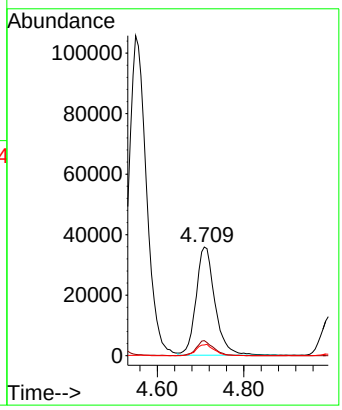


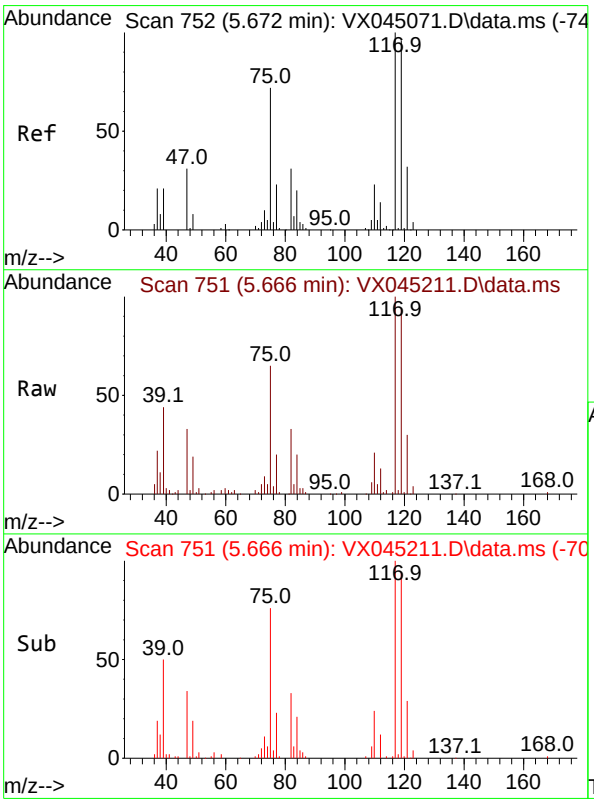
#37
Ethyl Acetate
Concen: 51.851 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 108170

Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.8	16.2
70	10.0	7.7	11.5

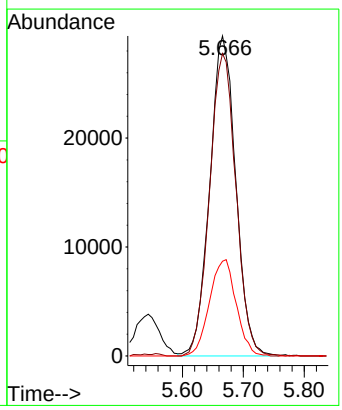


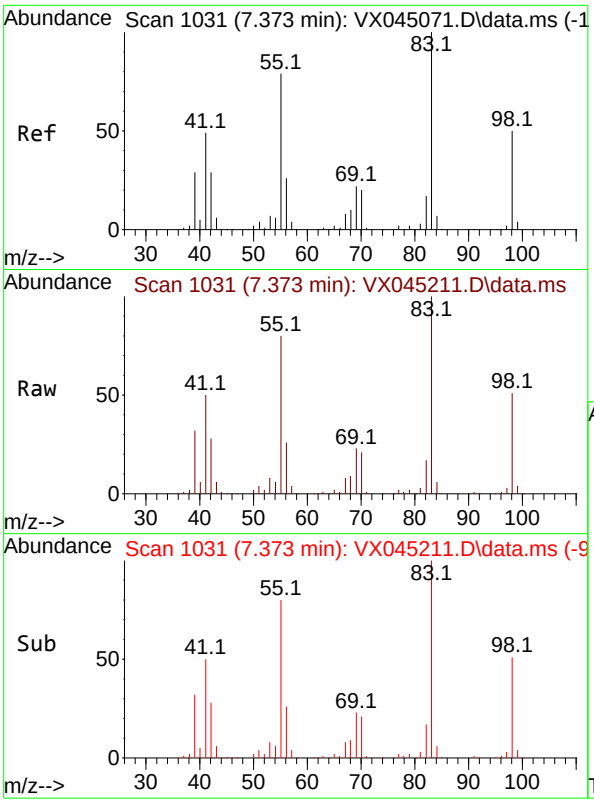


#38
Carbon Tetrachloride
Concen: 52.948 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:117 Resp: 87028

Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.7	115.1
121	29.6	25.5	38.3



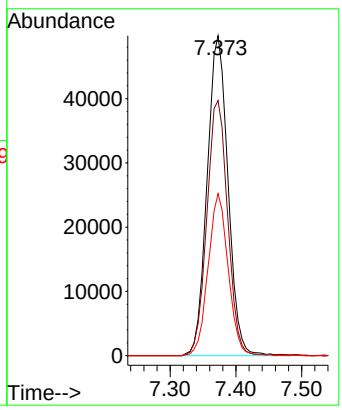


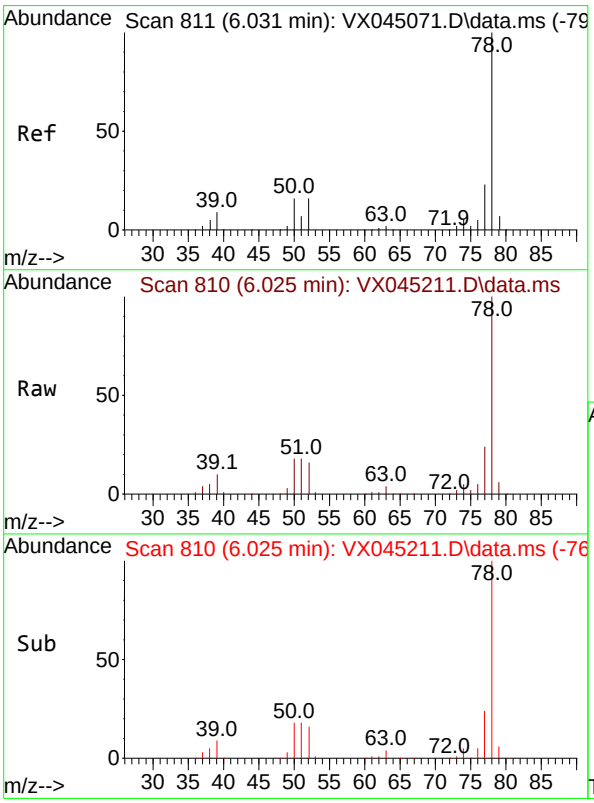
#39
Methylcyclohexane
Concen: 56.638 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 109872

Ion	Ratio	Lower	Upper
83	100		
55	79.8	63.0	94.4
98	50.7	39.7	59.5

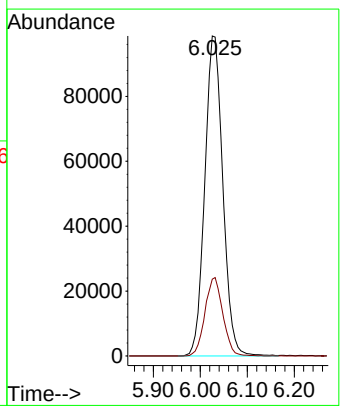


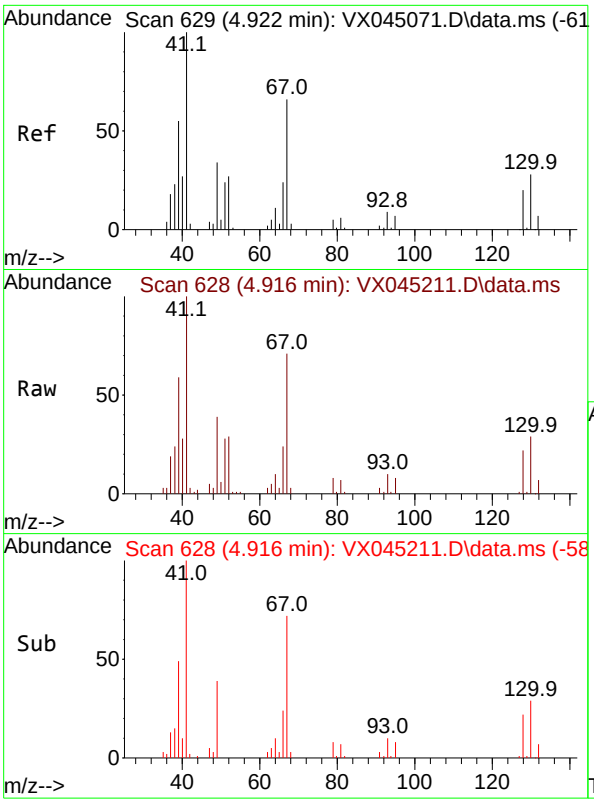


#40
Benzene
Concen: 51.320 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 78 Resp: 262366

Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2



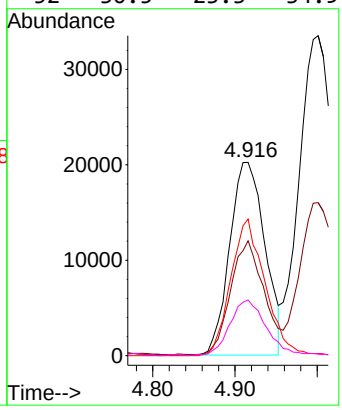


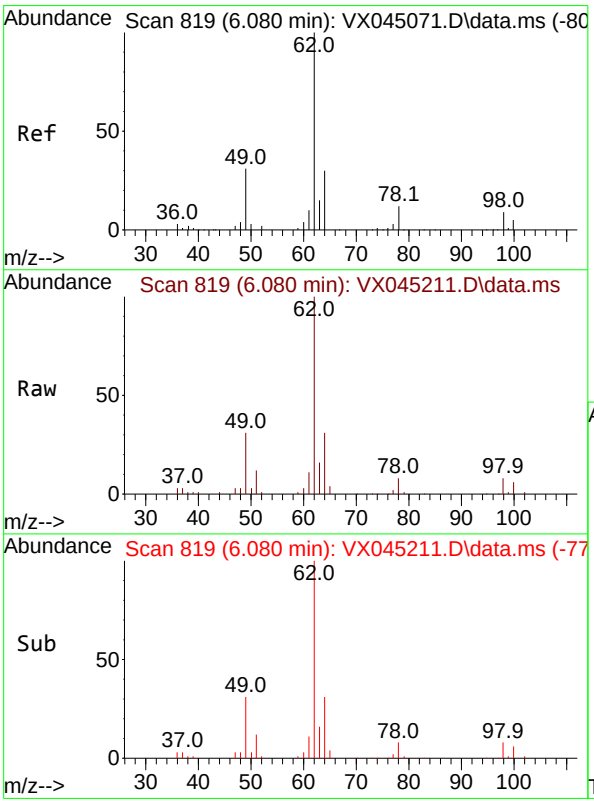
#41
Methacrylonitrile
Concen: 53.315 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 60141

Ion	Ratio	Lower	Upper
41	100		
39	56.5	44.6	67.0
67	69.3	53.9	80.9
52	30.5	23.3	34.9

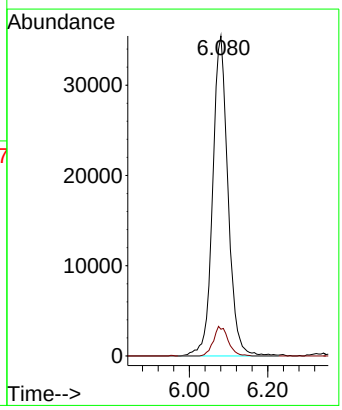


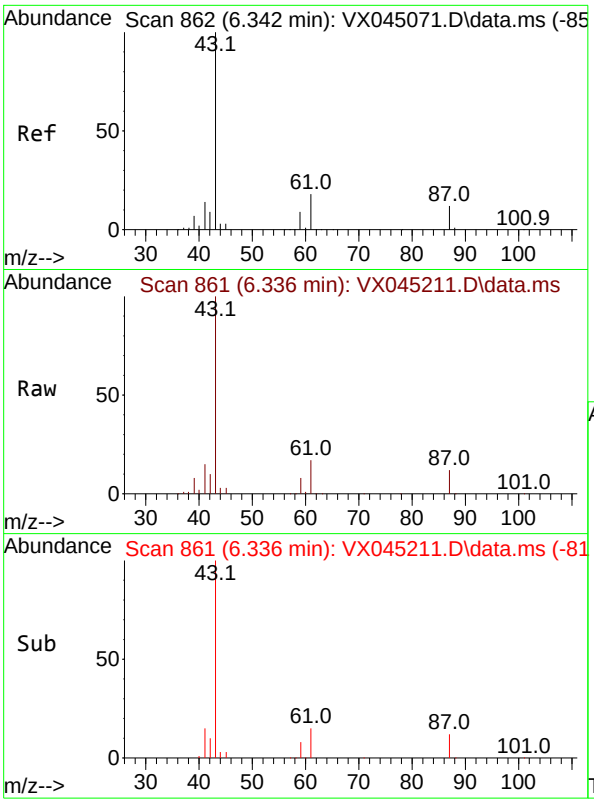


#42
1,2-Dichloroethane
Concen: 52.356 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 62 Resp: 96385

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2



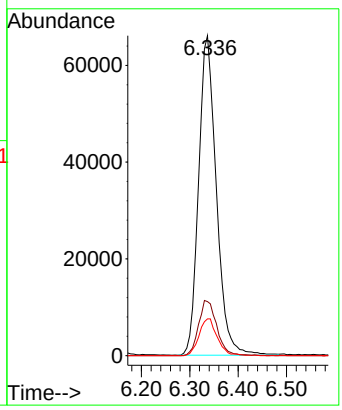


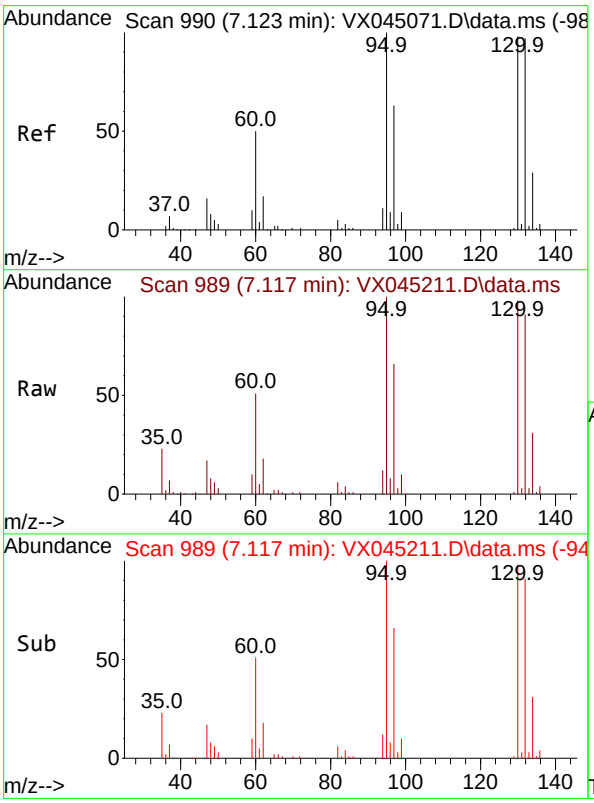
#43
Isopropyl Acetate
Concen: 54.564 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 168322

Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.9	22.3
87	11.9	9.4	14.2

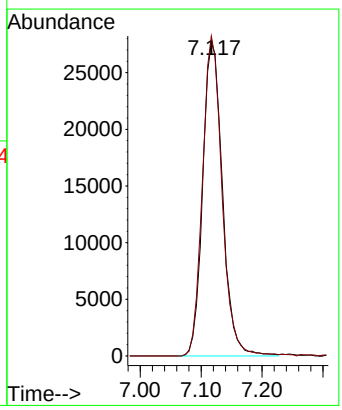


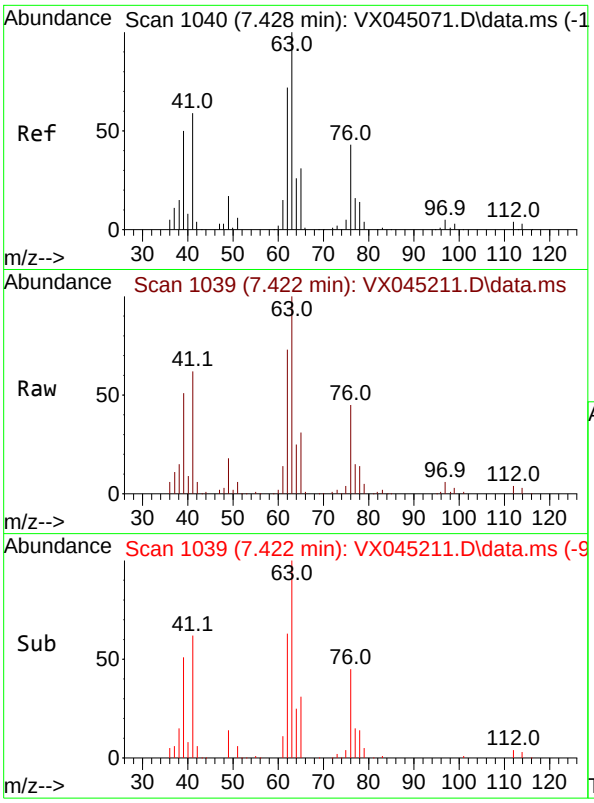


#44
Trichloroethene
Concen: 52.042 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:130 Resp: 62473

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	205.0



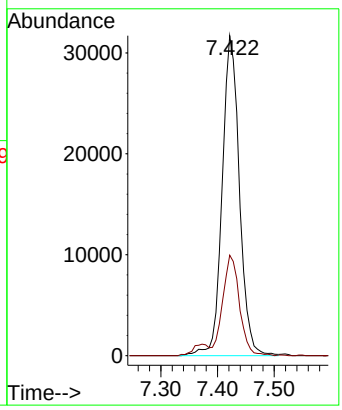


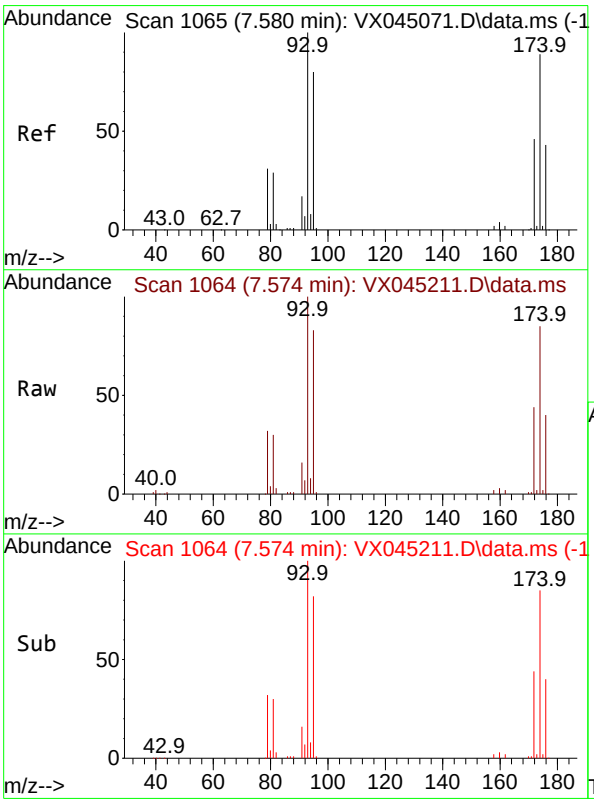
#45
1,2-Dichloropropane
Concen: 50.991 ug/l
RT: 7.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 67025

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.7	37.1

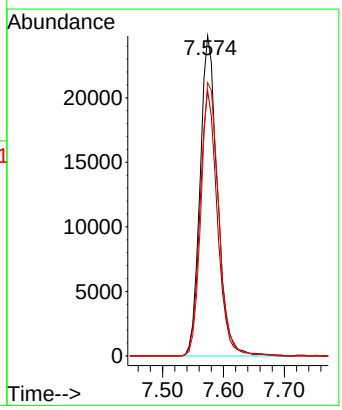


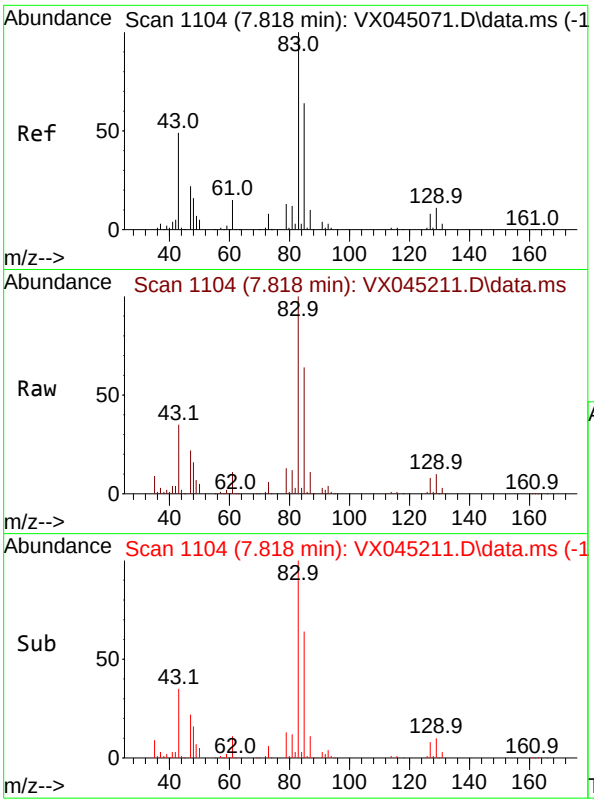


#46
Dibromomethane
Concen: 52.911 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 93 Resp: 49158

Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.8	98.8
174	87.6	72.2	108.2



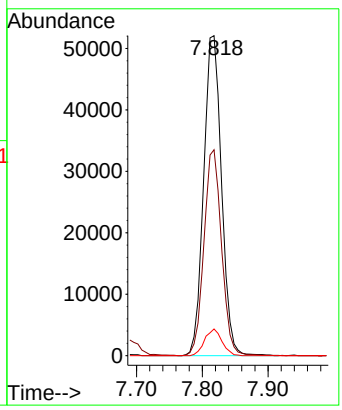


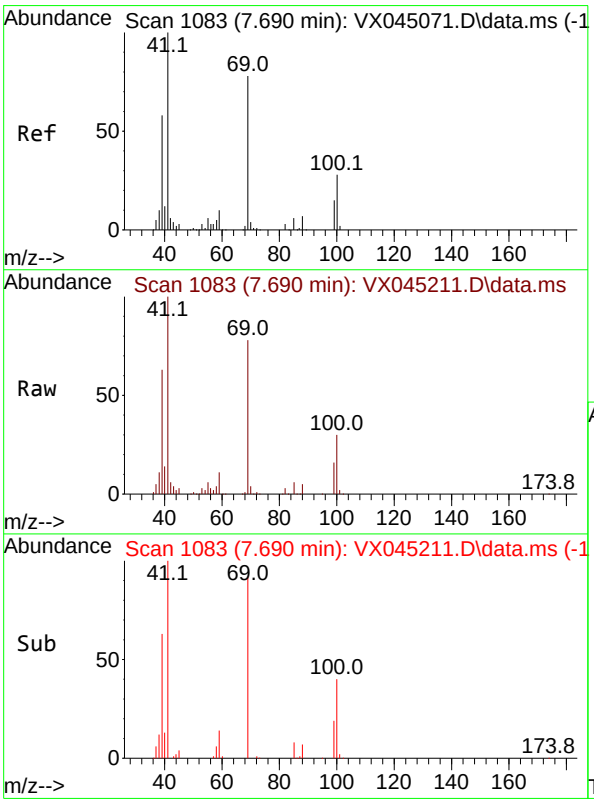
#47
Bromodichloromethane
Concen: 53.986 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 98381

Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7
127	8.4	6.4	9.6

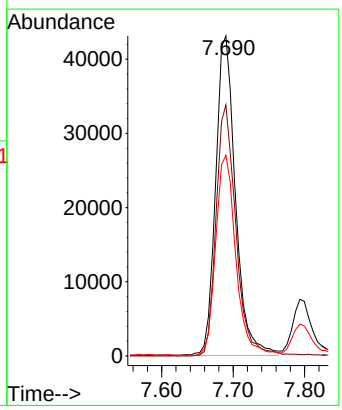


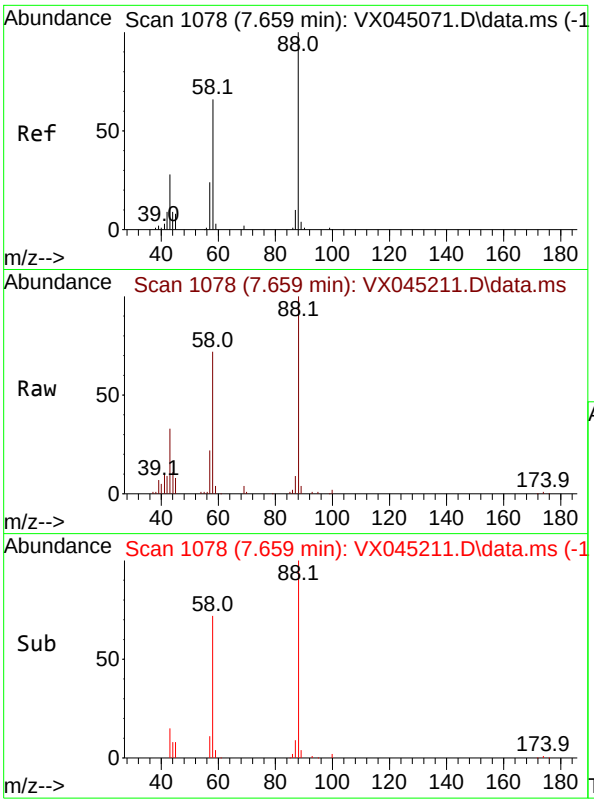


#48
Methyl methacrylate
Concen: 53.663 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 41 Resp: 83051

Ion	Ratio	Lower	Upper
41	100		
69	78.6	63.0	94.6
39	63.7	47.5	71.3



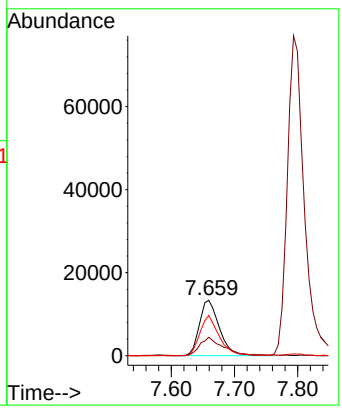


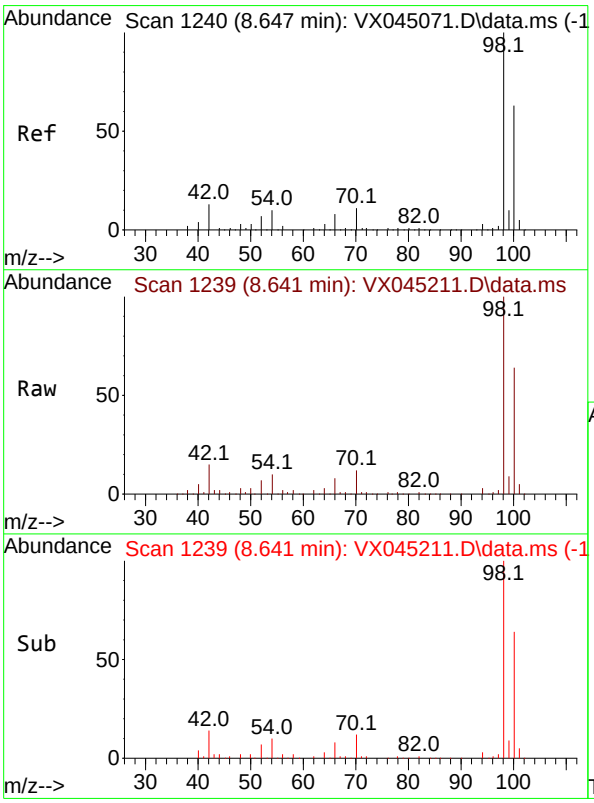
#49
1,4-Dioxane
Concen: 900.059 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 29383

Ion	Ratio	Lower	Upper
88	100		
43	38.0	28.7	43.1
58	70.1	55.8	83.8

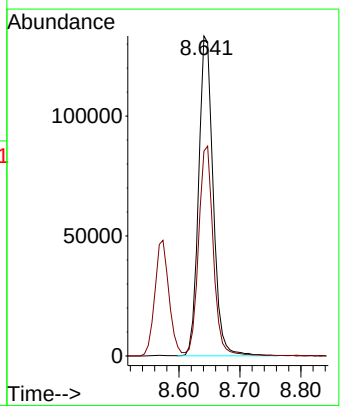


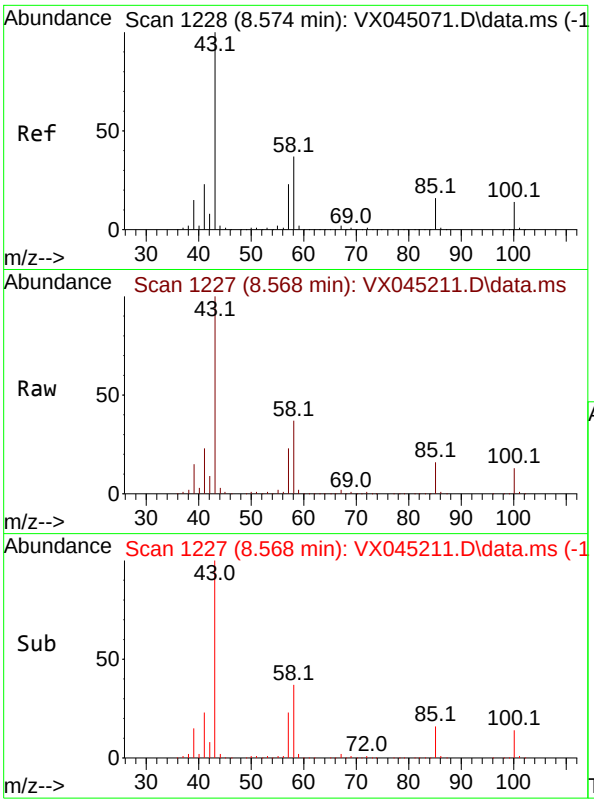


#50
Toluene-d8
Concen: 51.586 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 98 Resp: 220779

Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.0	78.0



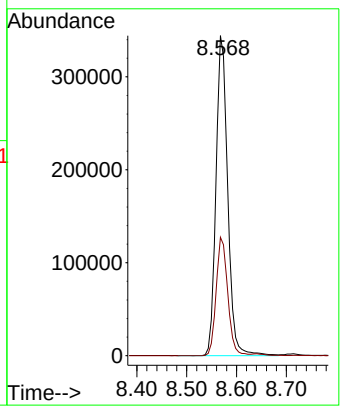


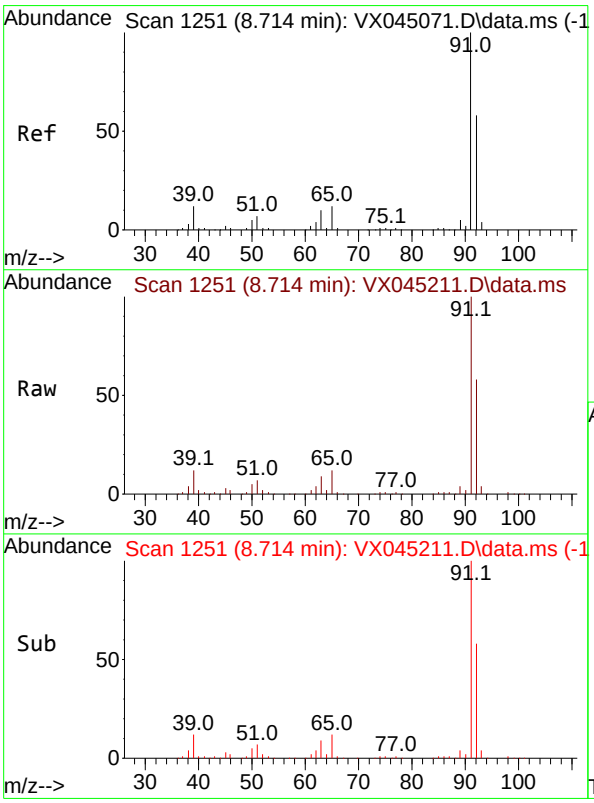
#51
4-Methyl-2-Pentanone
Concen: 271.045 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 561413

Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.2	43.8

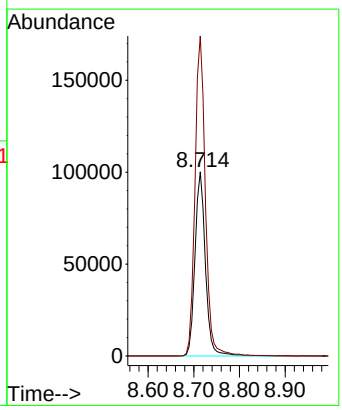


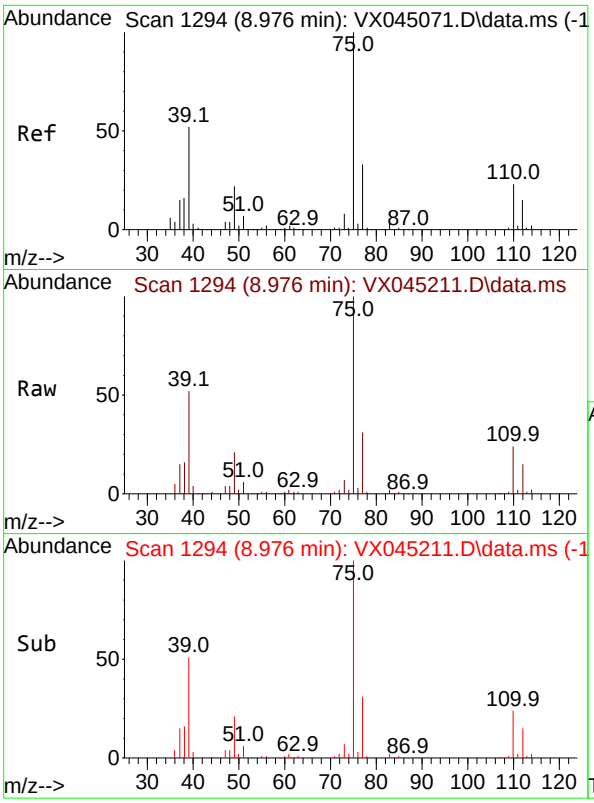


#52
Toluene
Concen: 52.972 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 92 Resp: 158892

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3



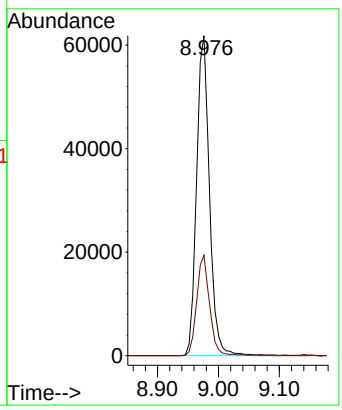


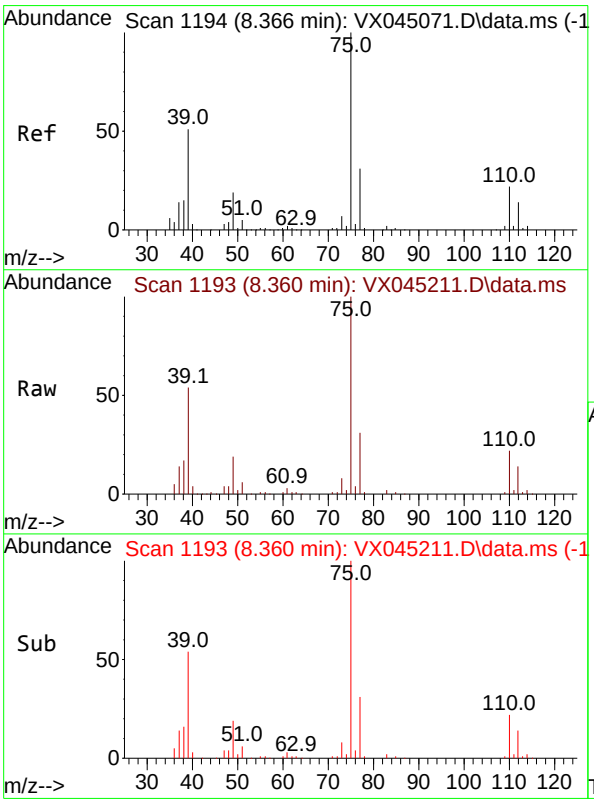
#53
t-1,3-Dichloropropene
Concen: 59.606 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 90808

Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.5	39.7

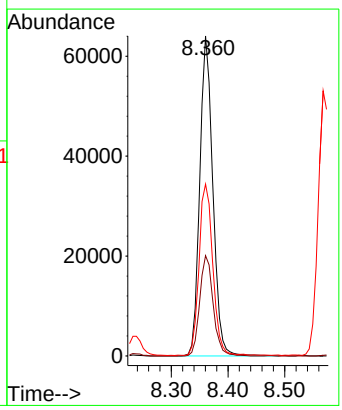


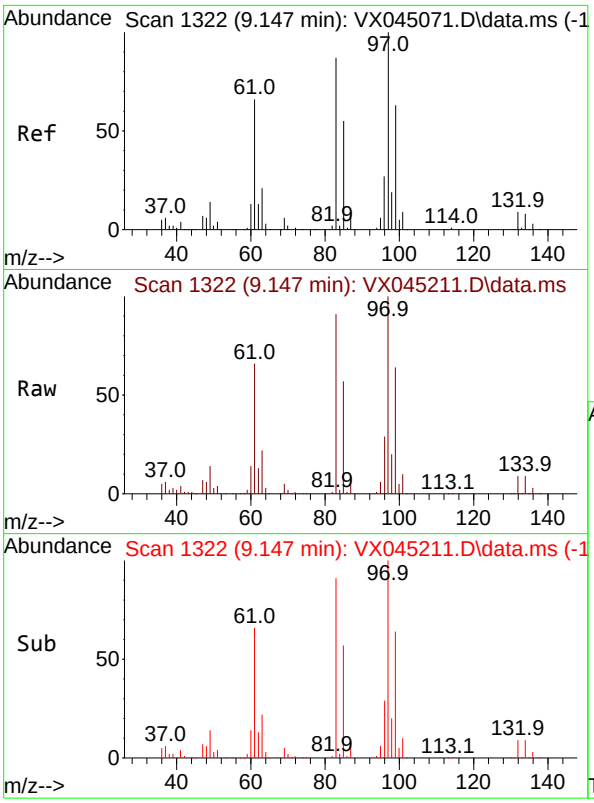


#54
cis-1,3-Dichloropropene
Concen: 57.592 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 75 Resp: 102314

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.7	37.1
39	53.4	40.7	61.1



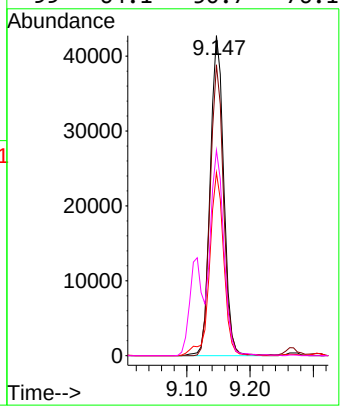


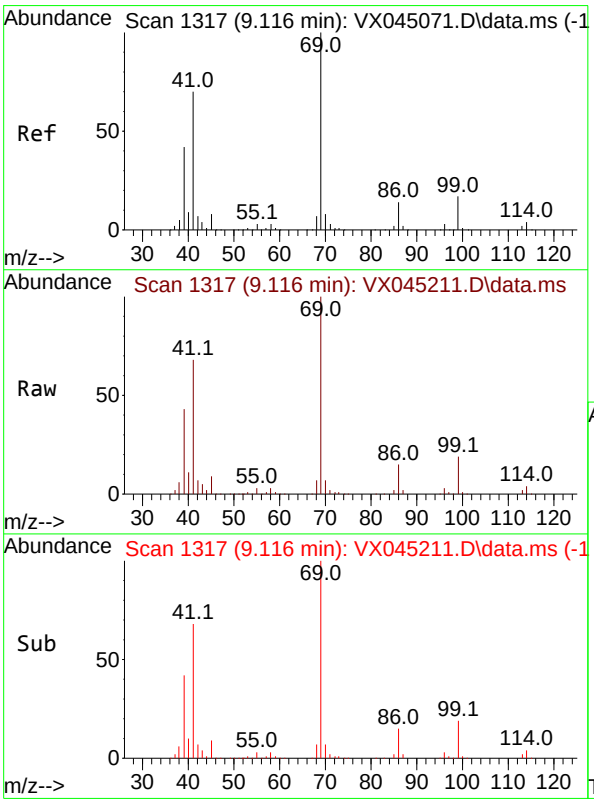
#55
1,1,2-Trichloroethane
Concen: 51.661 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 63793

Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.4	104.2
85	57.2	44.1	66.1
99	64.1	50.7	76.1

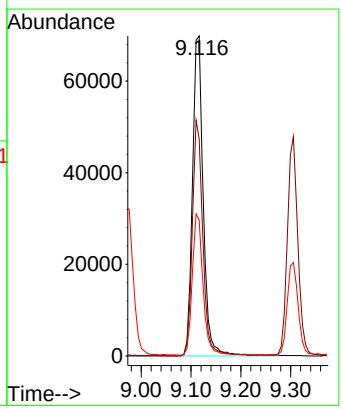


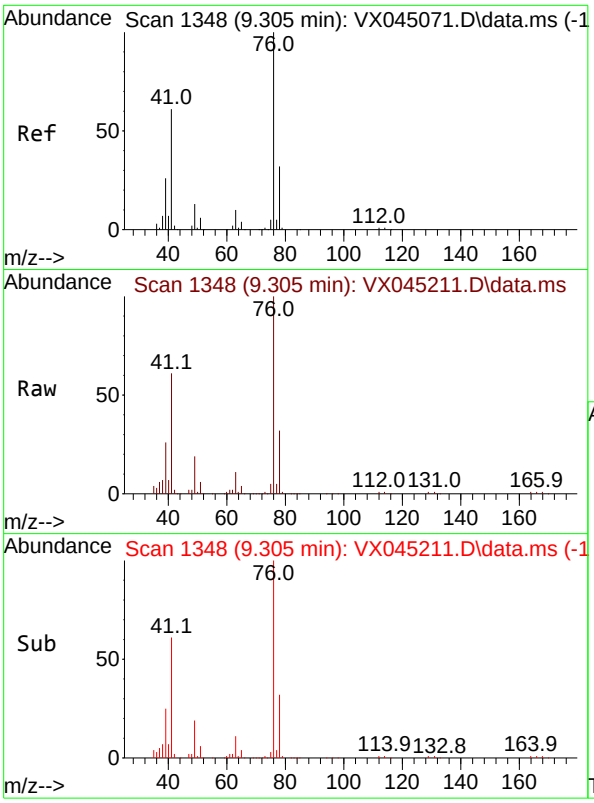


#56
Ethyl methacrylate
Concen: 55.894 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 69 Resp: 104915

Ion	Ratio	Lower	Upper
69	100		
41	71.9	57.0	85.4
39	44.3	34.2	51.4



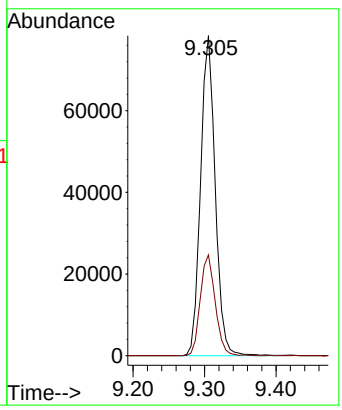


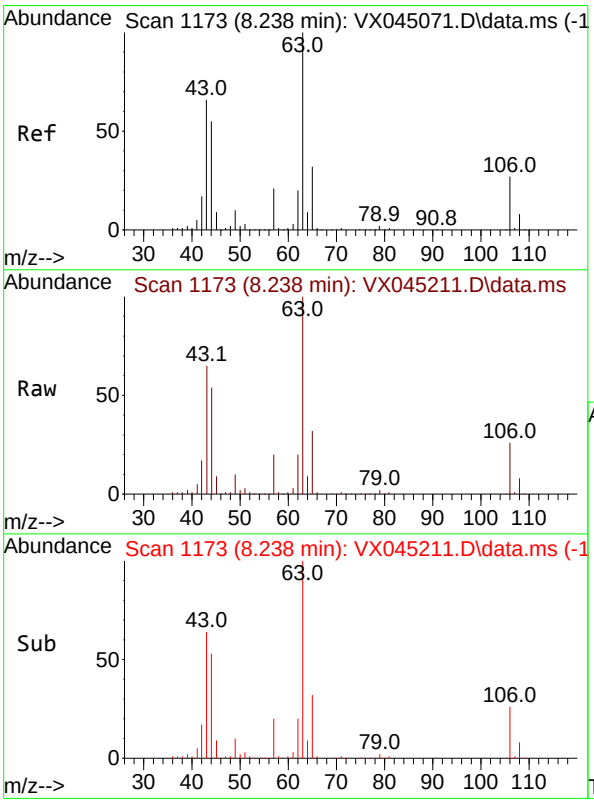
#57
1,3-Dichloropropane
Concen: 52.131 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 111402

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

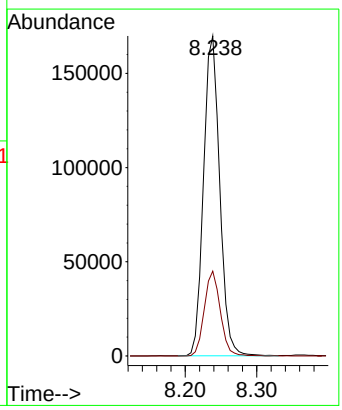


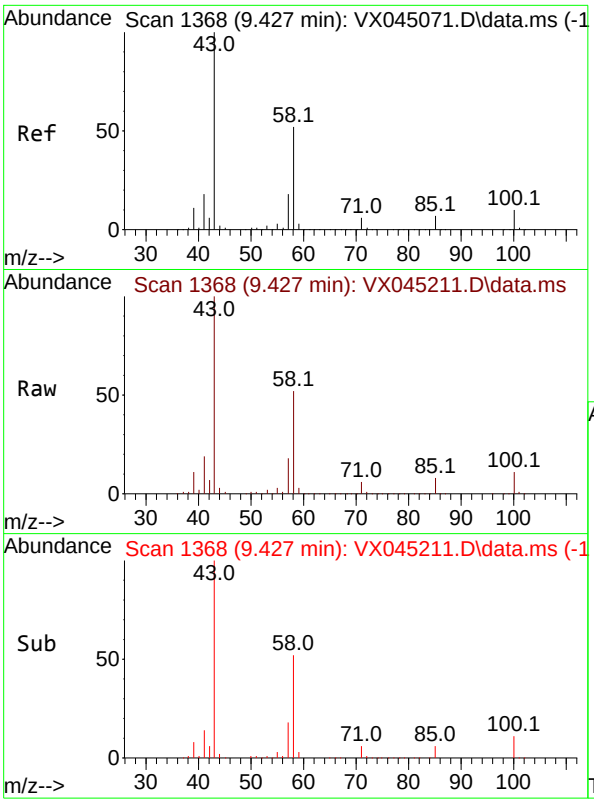


#58
2-Chloroethyl Vinyl ether
Concen: 291.597 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 63 Resp: 266994

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.5	32.3



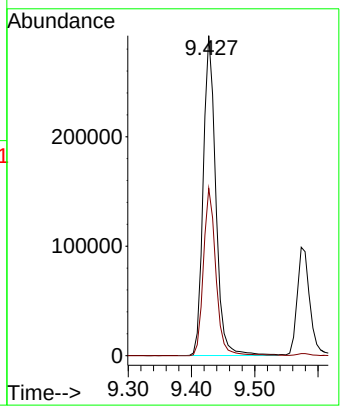


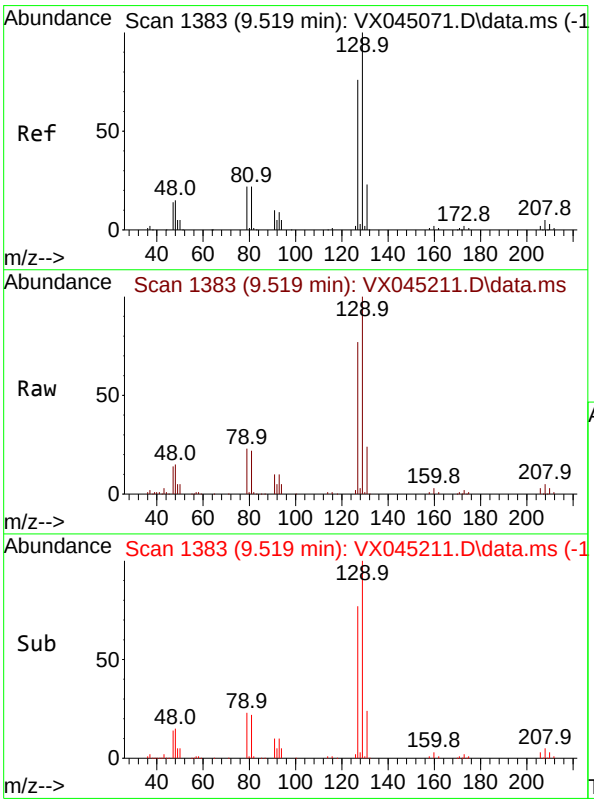
#59
2-Hexanone
Concen: 269.382 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 404272

Ion	Ratio	Lower	Upper
43	100		
58	51.9	25.9	77.6

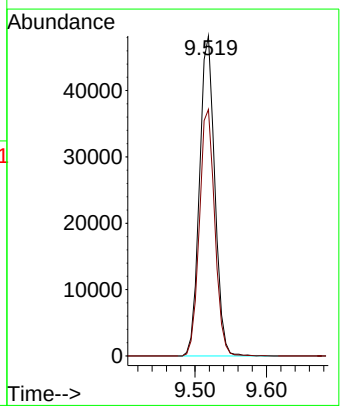


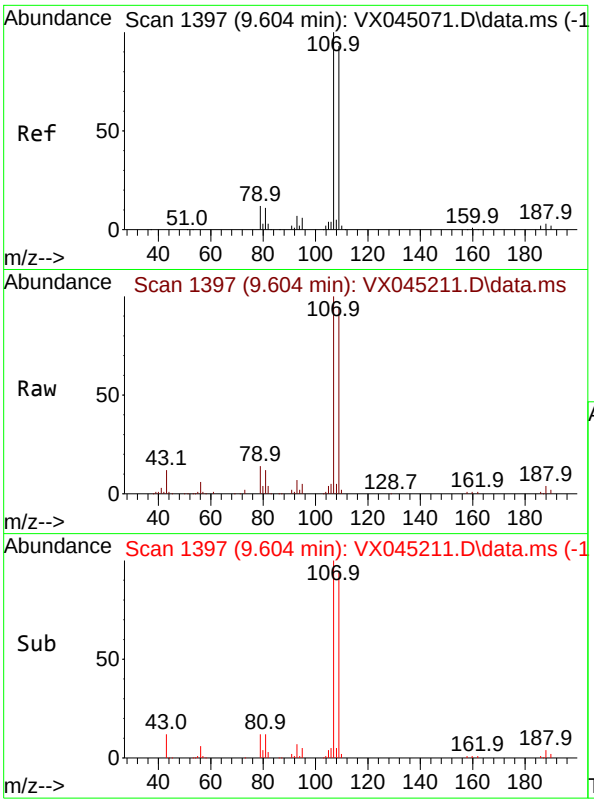


#60
Dibromochloromethane
Concen: 55.267 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:129 Resp: 71357

Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.5	115.5



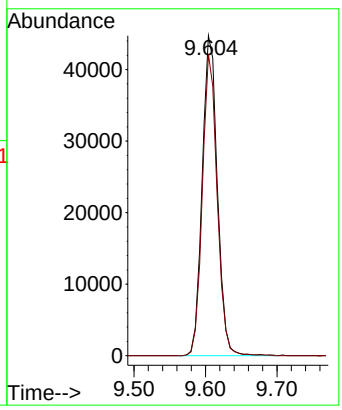


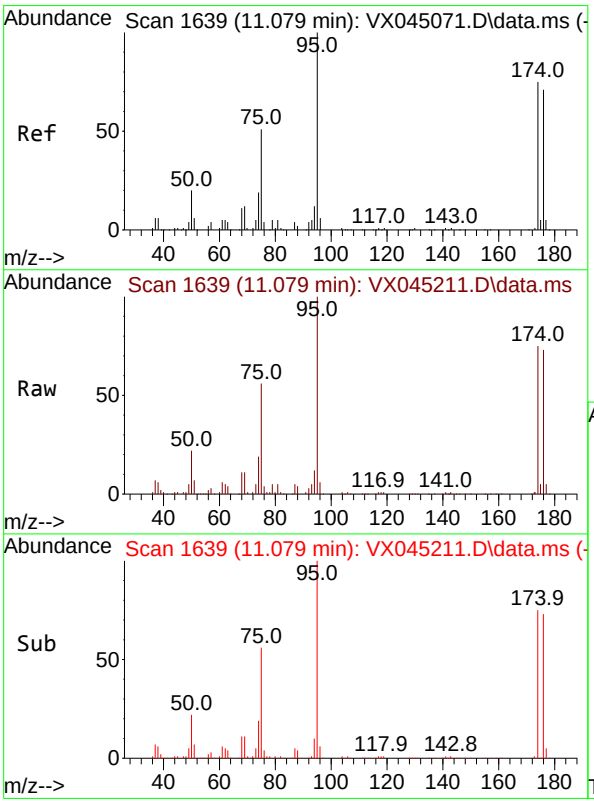
#61
1,2-Dibromoethane
Concen: 53.438 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 65874

Ion	Ratio	Lower	Upper
107	100		
109	92.1	76.1	114.1

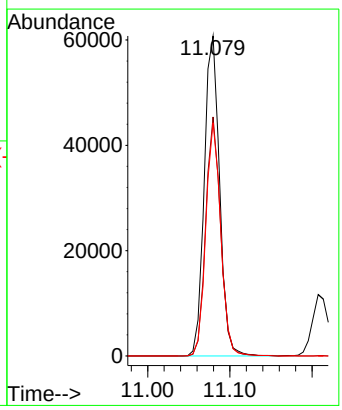


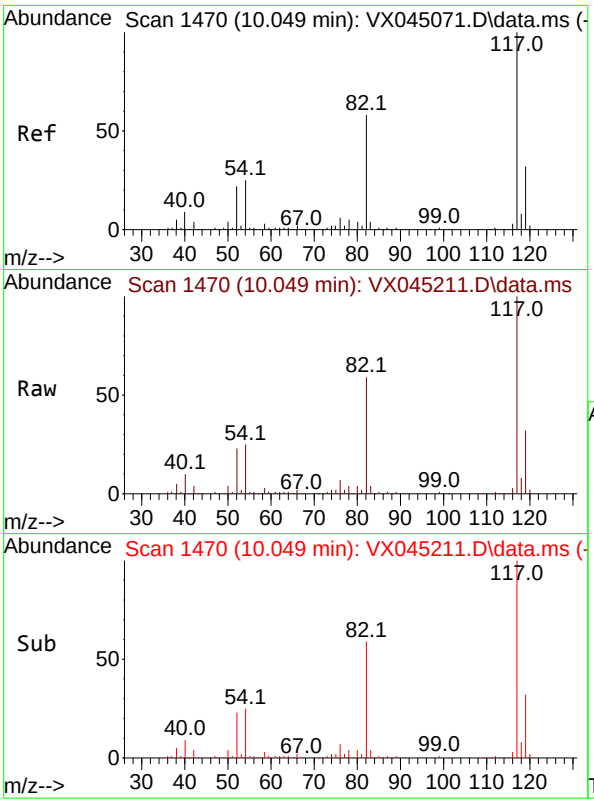


#62
4-Bromofluorobenzene
Concen: 55.511 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 95 Resp: 78726

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	148.2
176	70.8	0.0	141.4



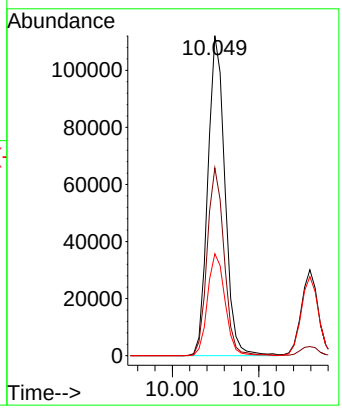


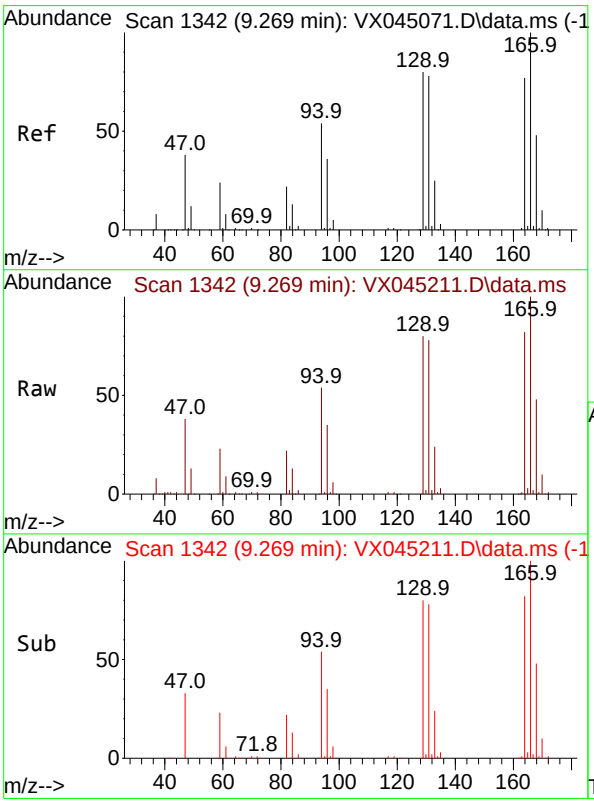
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 153652

Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.3	69.5
119	31.8	25.7	38.5

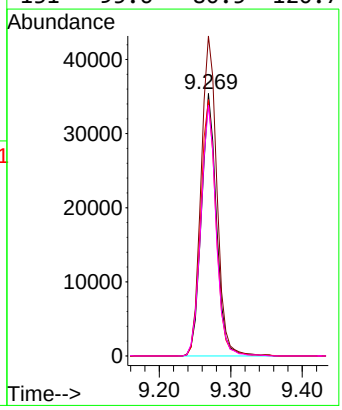


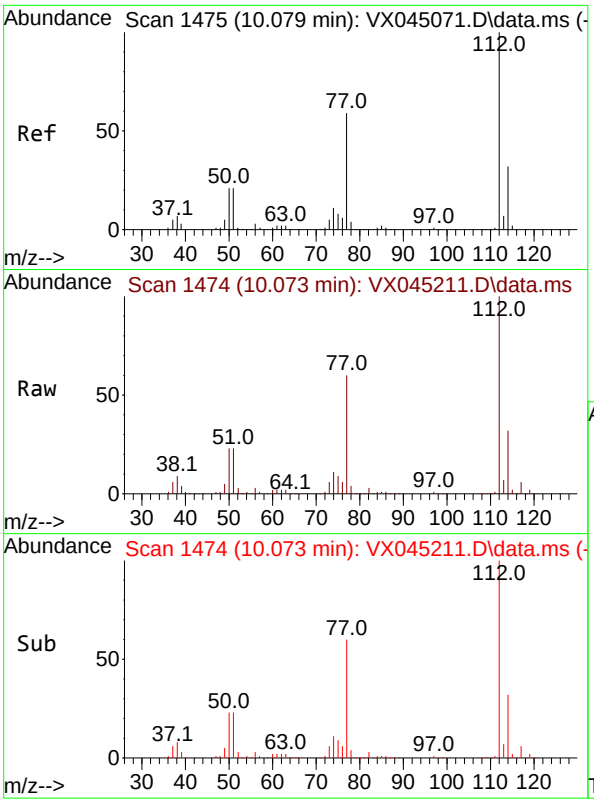


#64
Tetrachloroethene
Concen: 52.473 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:164 Resp: 51638

Ion	Ratio	Lower	Upper
164	100		
166	121.9	103.6	155.4
129	97.7	82.7	124.1
131	95.6	80.5	120.7



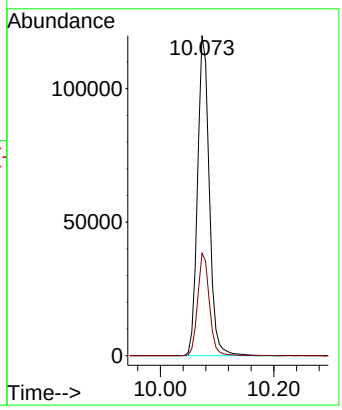


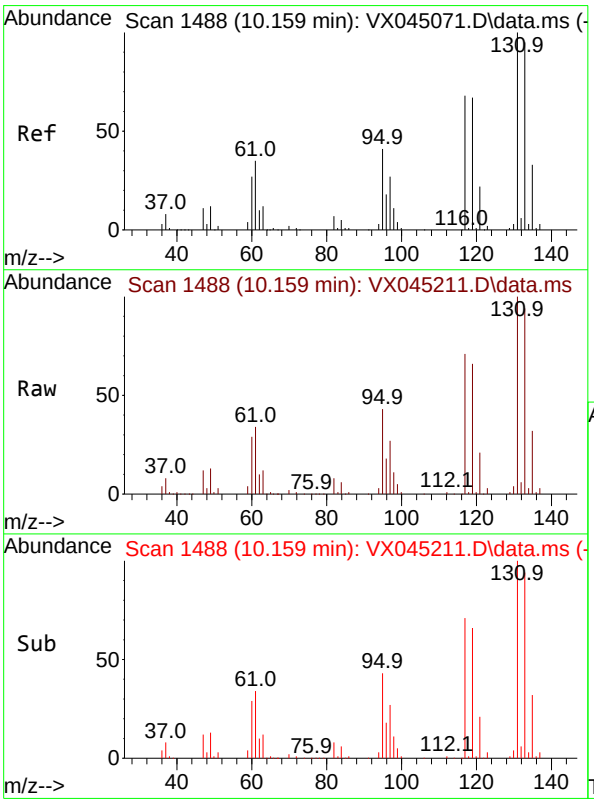
#65
Chlorobenzene
Concen: 52.928 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 172081

Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.0	39.0

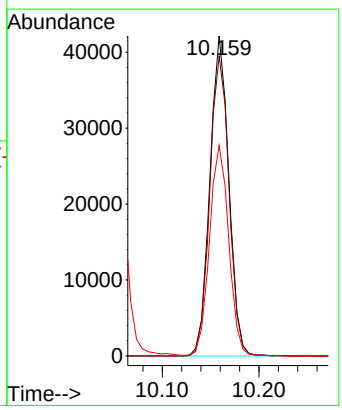


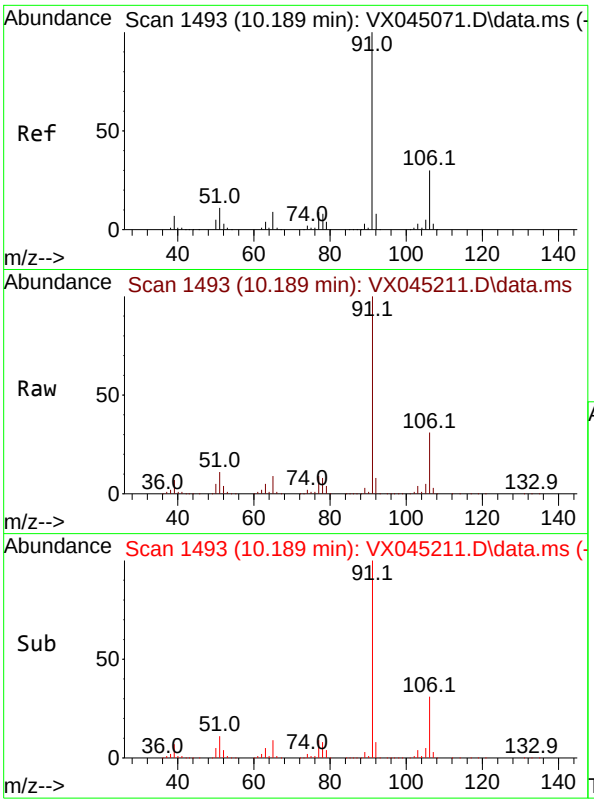


#66
1,1,1,2-Tetrachloroethane
Concen: 52.821 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:131 Resp: 57191

Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.6	145.9
119	67.1	33.9	101.7



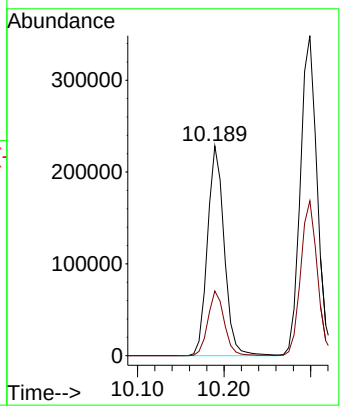


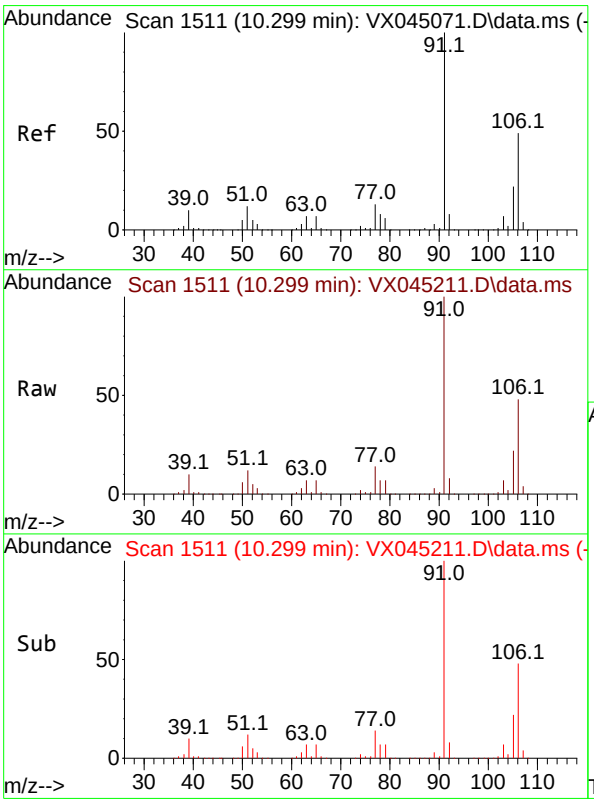
#67
Ethyl Benzene
Concen: 54.136 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 306683

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.9	35.9

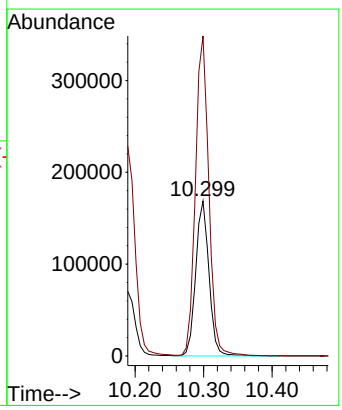


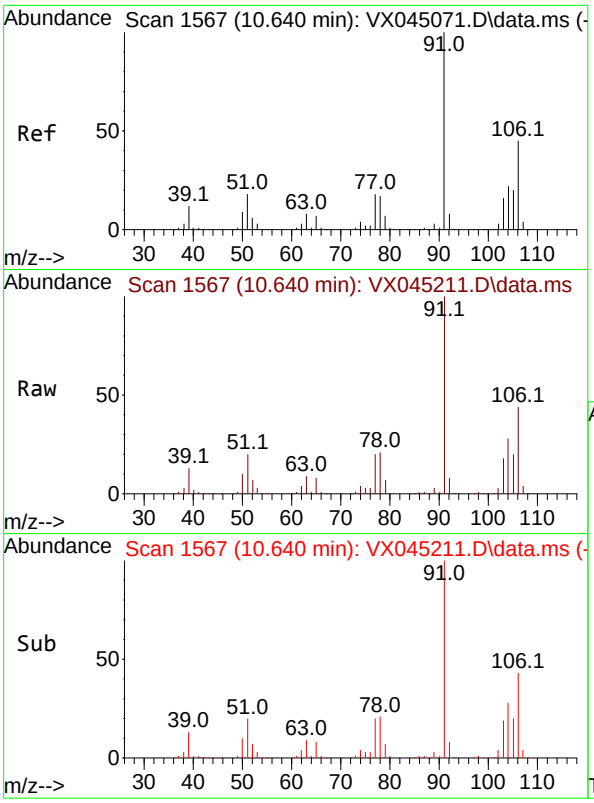


#68
m/p-Xylenes
Concen: 109.410 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:106 Resp: 226899

Ion	Ratio	Lower	Upper
106	100		
91	208.7	165.4	248.0



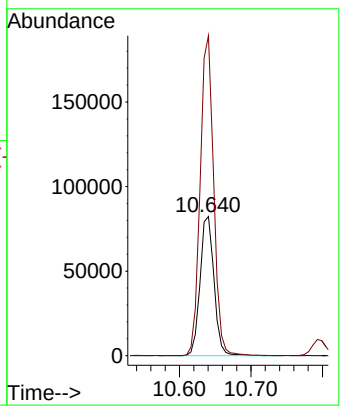


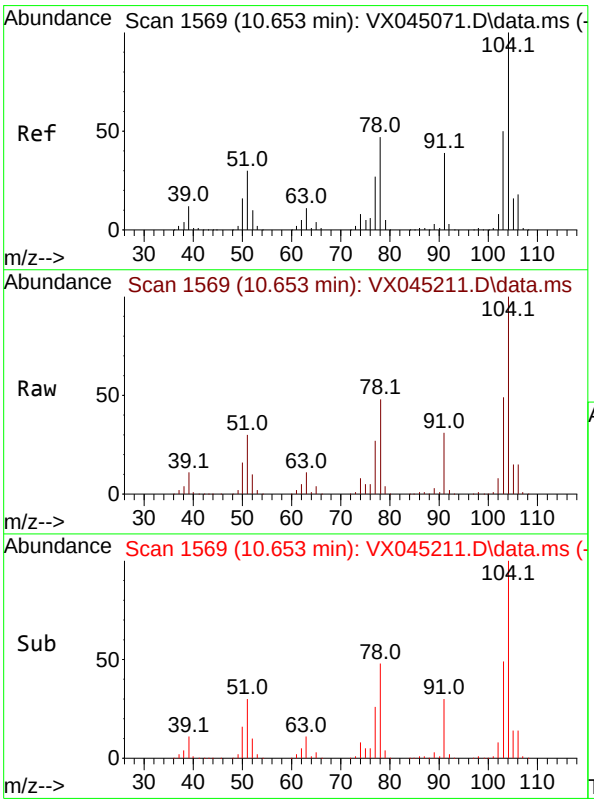
#69
o-Xylene
Concen: 53.202 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 111278

Ion	Ratio	Lower	Upper
106	100		
91	222.9	109.9	329.6

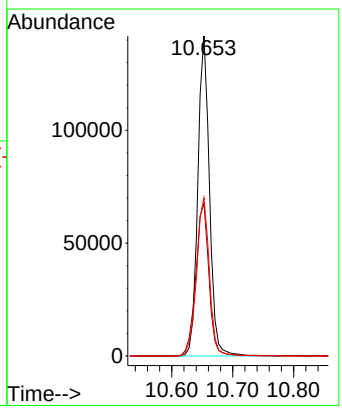


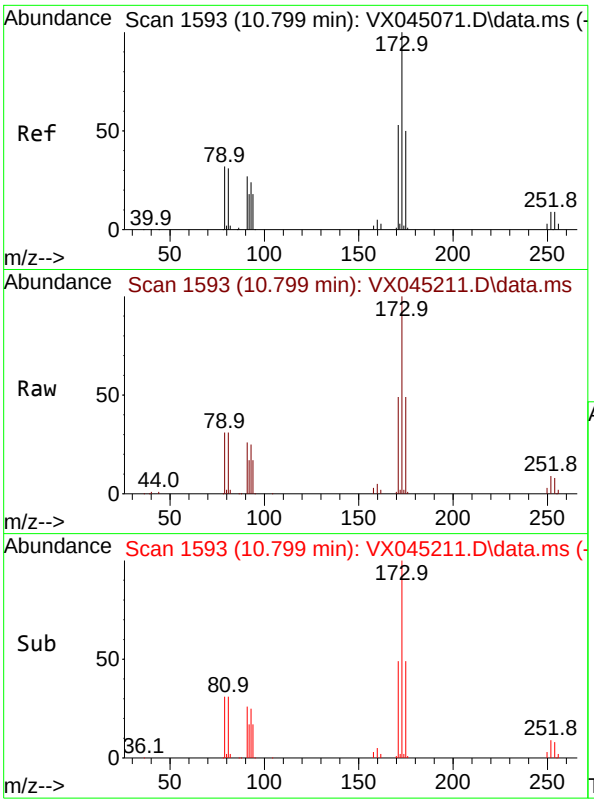


#70
Styrene
Concen: 55.460 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:104 Resp: 187697

Ion	Ratio	Lower	Upper
104	100		
78	54.1	42.2	63.4
103	54.7	43.8	65.8



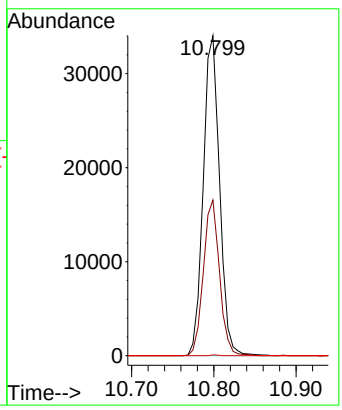


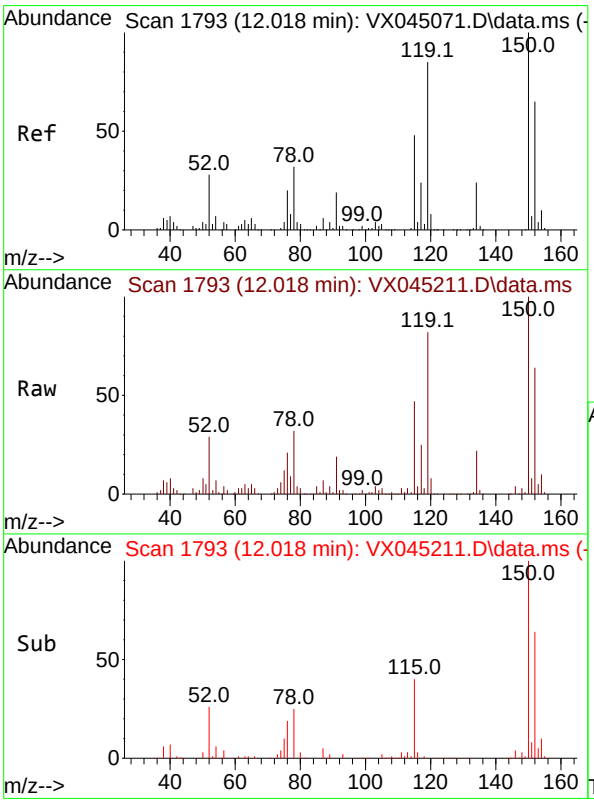
#71
Bromoform
Concen: 57.546 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 46985

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.6	73.6
254	0.1	0.0	0.0#

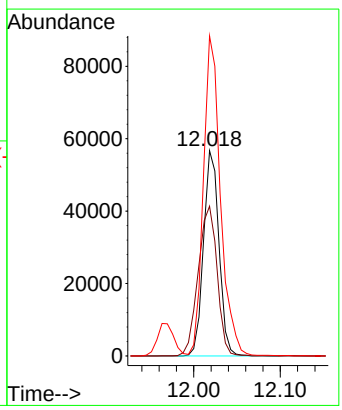


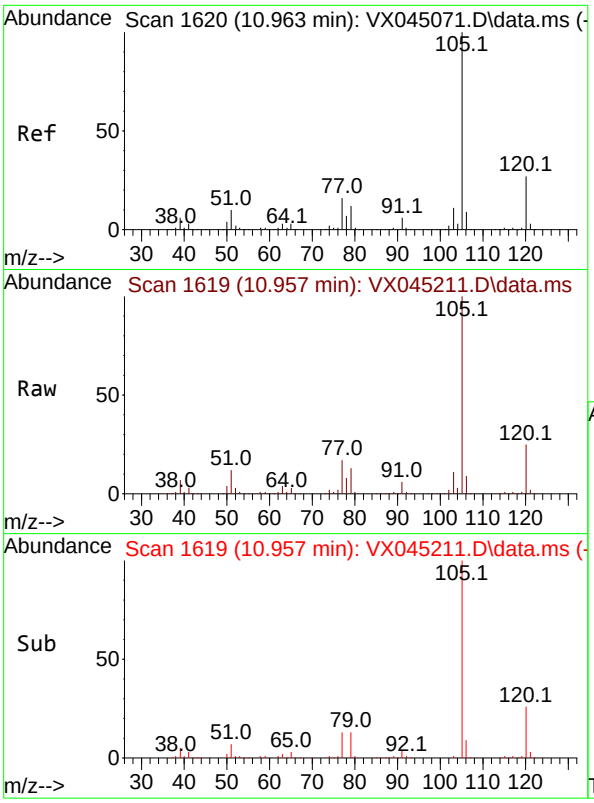


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:152 Resp: 70136

Ion	Ratio	Lower	Upper
152	100		
115	89.7	44.2	132.6
150	172.9	0.0	349.0



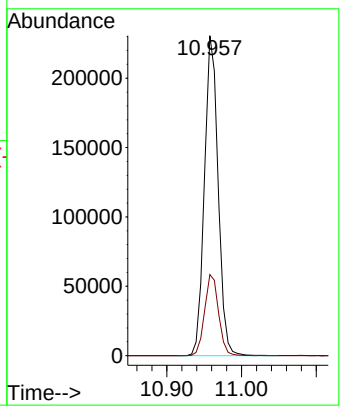


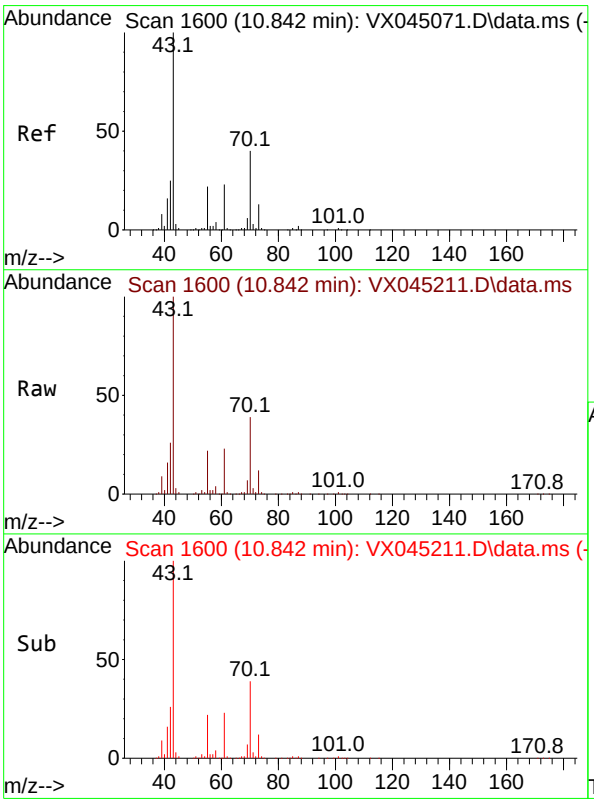
#73
Isopropylbenzene
Concen: 53.524 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 293007

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5

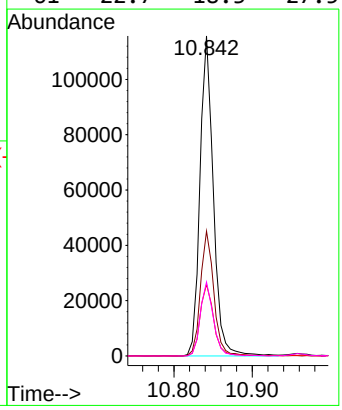


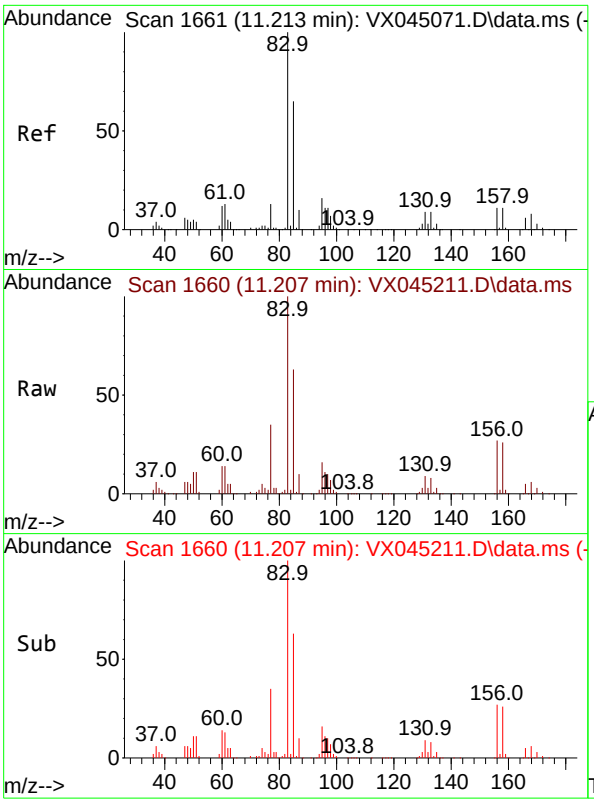


#74
N-amyl acetate
Concen: 53.471 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 43 Resp: 137353

Ion	Ratio	Lower	Upper
43	100		
70	39.2	31.8	47.6
55	22.8	18.3	27.5
61	22.7	18.3	27.5



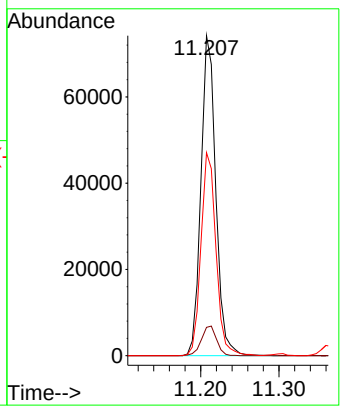


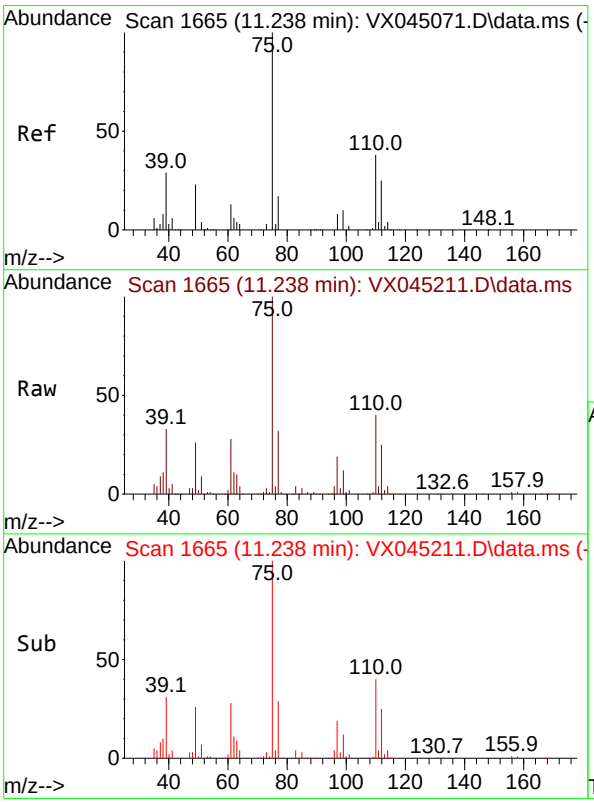
#75
1,1,2,2-Tetrachloroethane
Concen: 48.598 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 97628

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.5	13.4
85	64.3	31.7	95.1

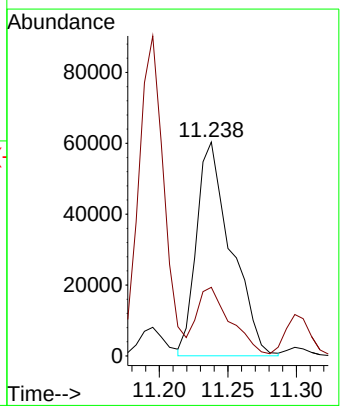


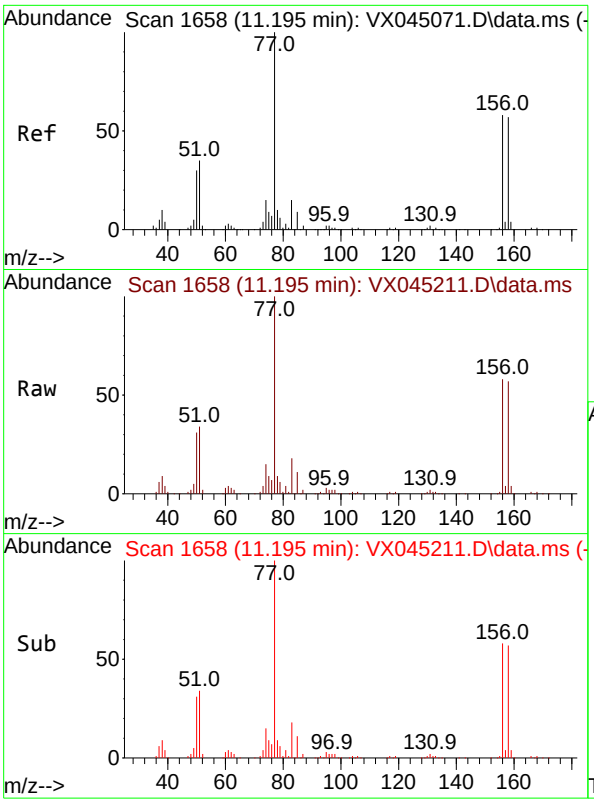


#76
1,2,3-Trichloropropane
Concen: 65.021 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 75 Resp: 106142

Ion	Ratio	Lower	Upper
75	100		
77	31.5	20.7	62.1



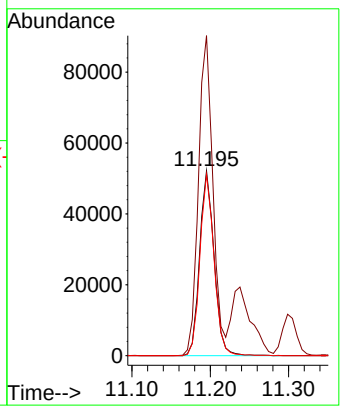


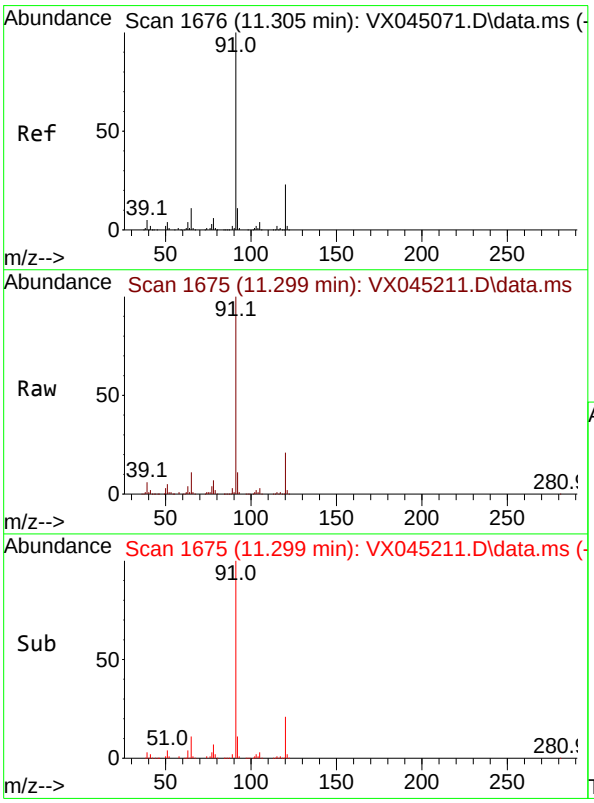
#77
Bromobenzene
Concen: 51.748 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 66839

Ion	Ratio	Lower	Upper
156	100		
77	173.3	85.8	257.4
158	96.2	48.4	145.2

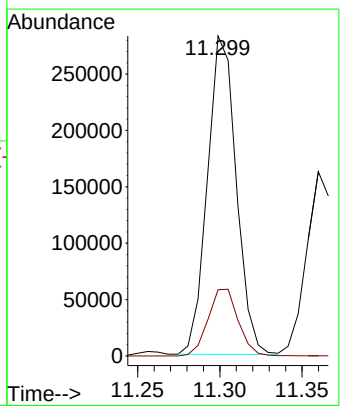


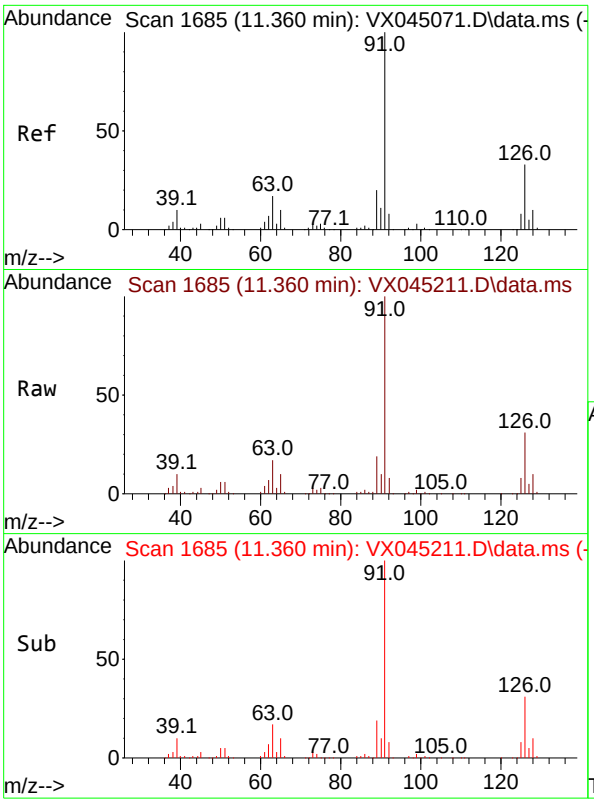


#78
n-propylbenzene
Concen: 55.815 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 91 Resp: 345156

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.2	33.6



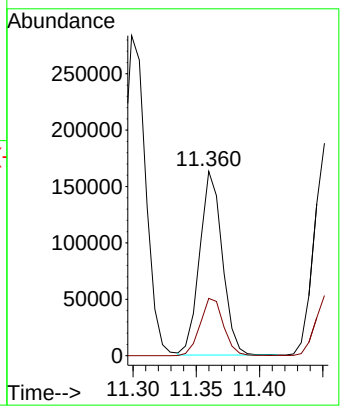


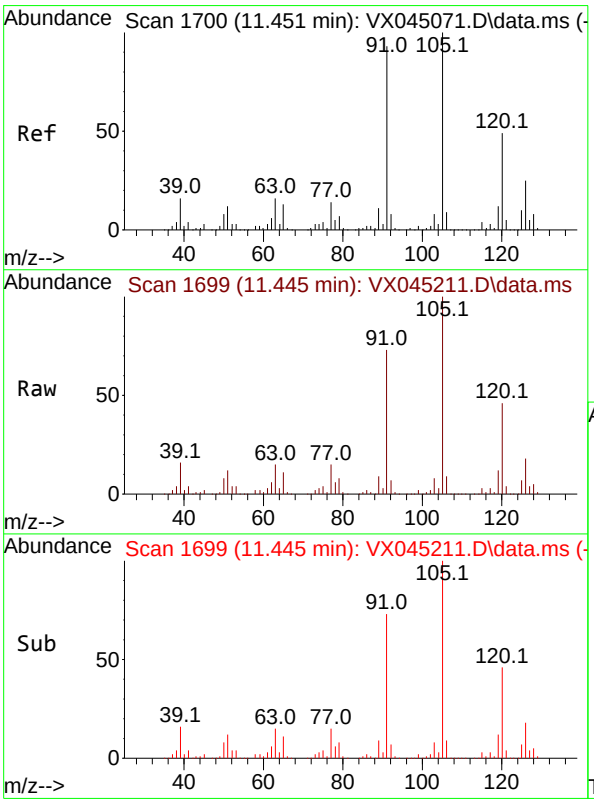
#79
2-Chlorotoluene
Concen: 51.714 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 203667

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4

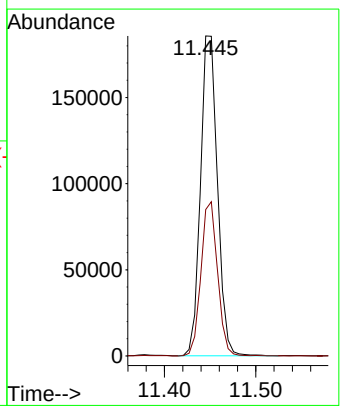


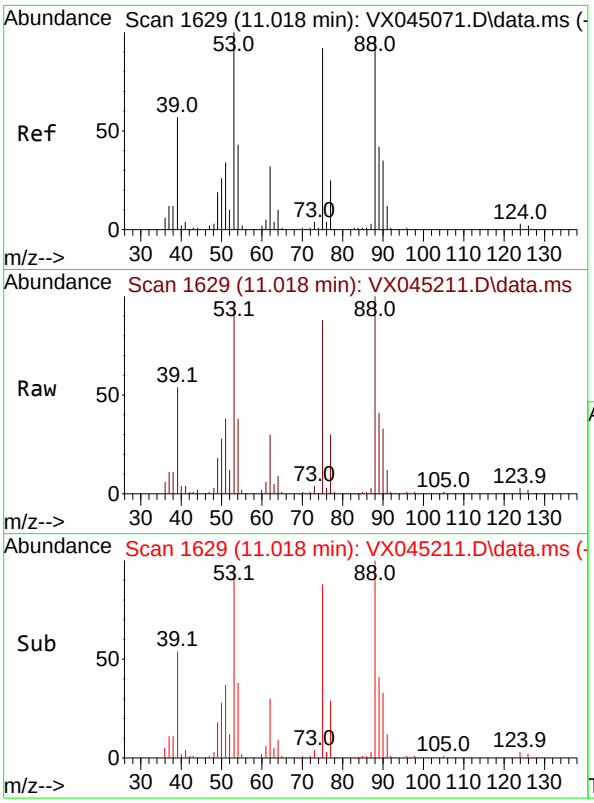


#80
1,3,5-Trimethylbenzene
Concen: 54.036 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:105 Resp: 239185

Ion	Ratio	Lower	Upper
105	100		
120	47.2	24.1	72.2



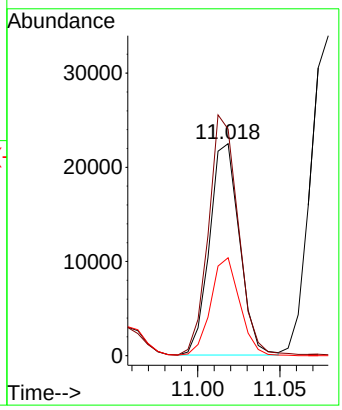


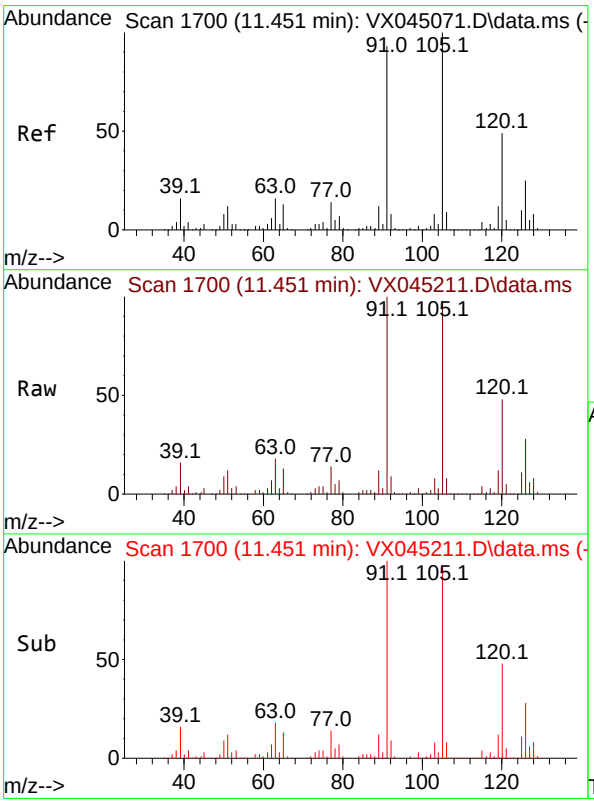
#81
trans-1,4-Dichloro-2-butene
Concen: 59.586 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 28423

Ion	Ratio	Lower	Upper
75	100		
53	114.6	88.5	132.7
89	45.1	36.2	54.4

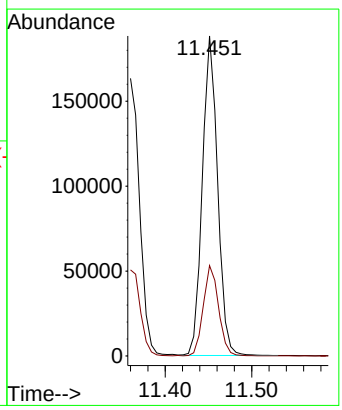


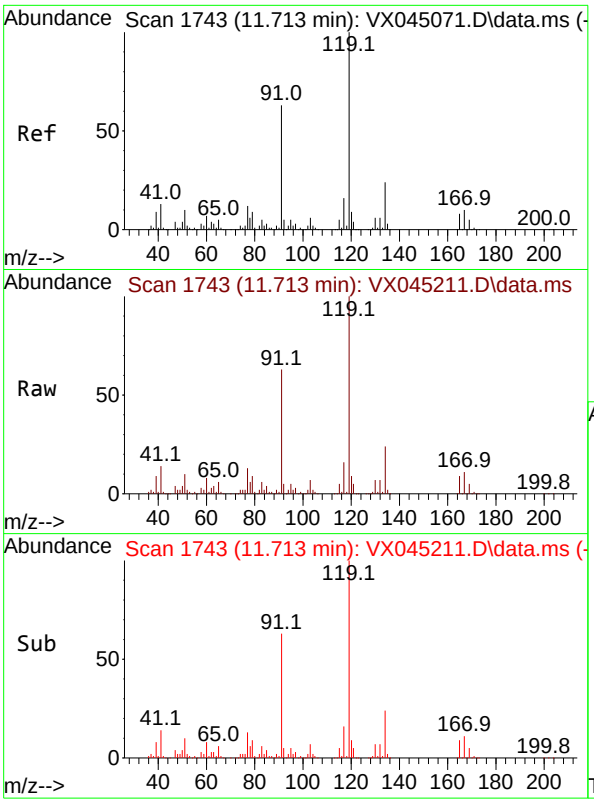


#82
4-Chlorotoluene
Concen: 53.609 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 91 Resp: 230104

Ion	Ratio	Lower	Upper
91	100		
126	28.4	14.1	42.4



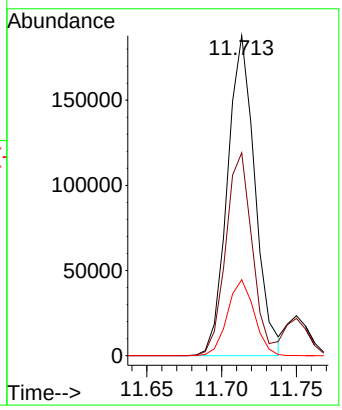


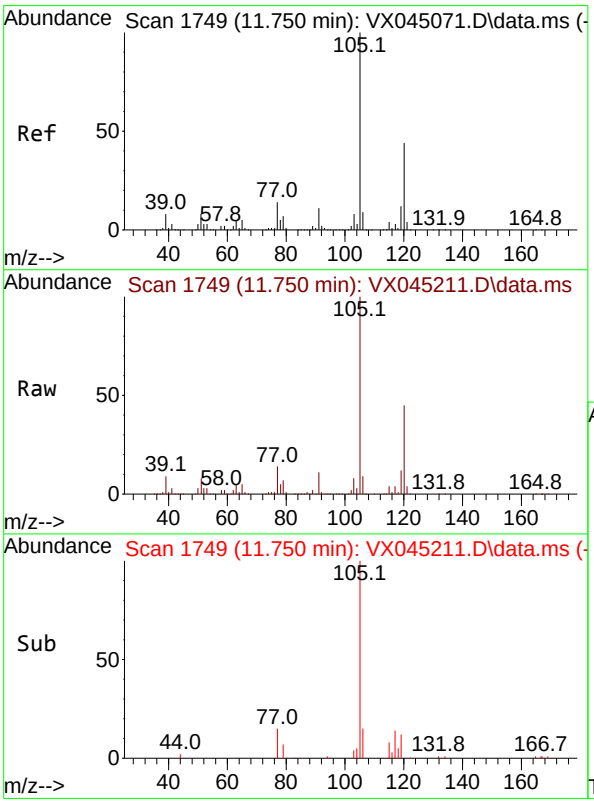
#83
tert-Butylbenzene
Concen: 52.798 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 240128

Ion	Ratio	Lower	Upper
119	100		
91	60.6	30.7	92.1
134	23.1	11.7	35.0

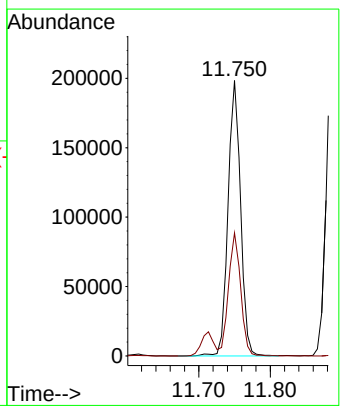


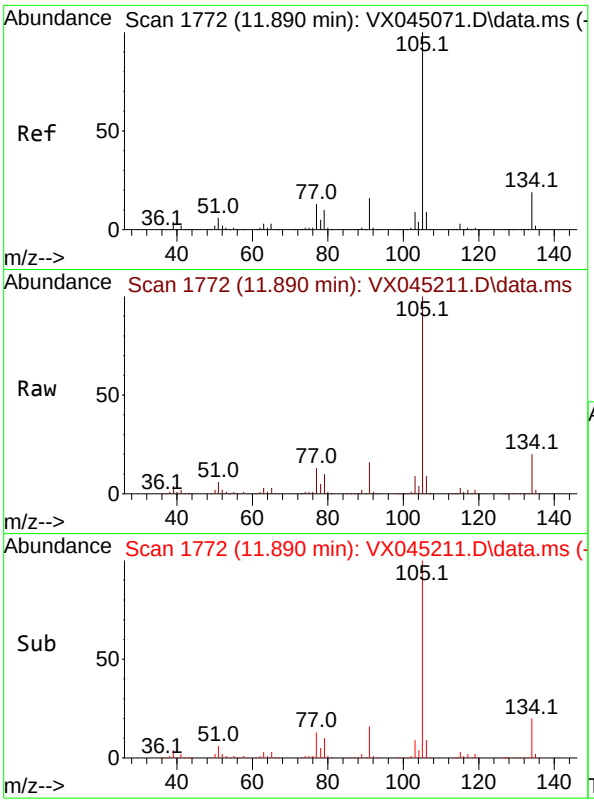


#84
1,2,4-Trimethylbenzene
Concen: 54.029 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:105 Resp: 240636

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.1	66.1



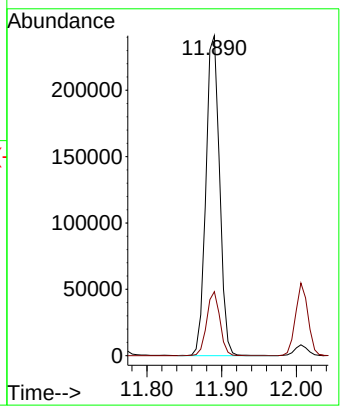


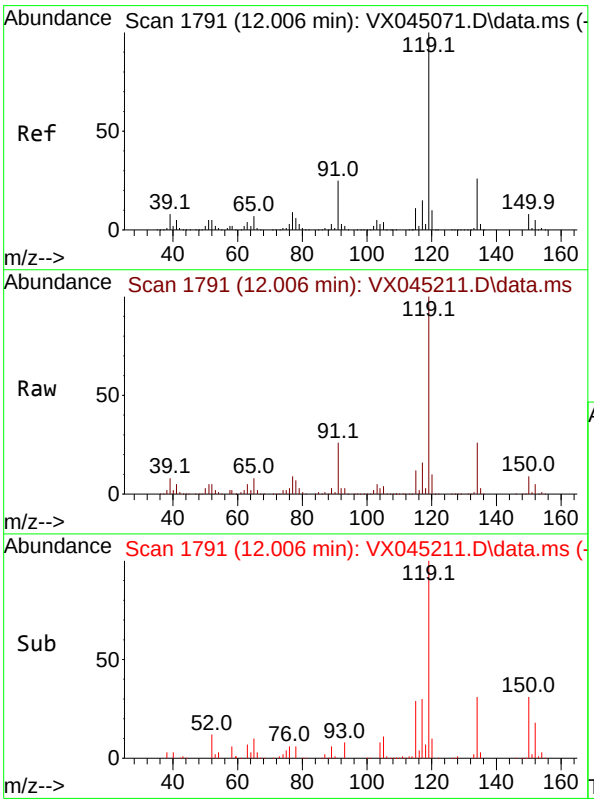
#85
sec-Butylbenzene
Concen: 56.188 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 306106

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.4

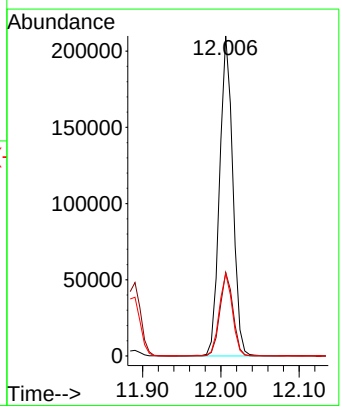


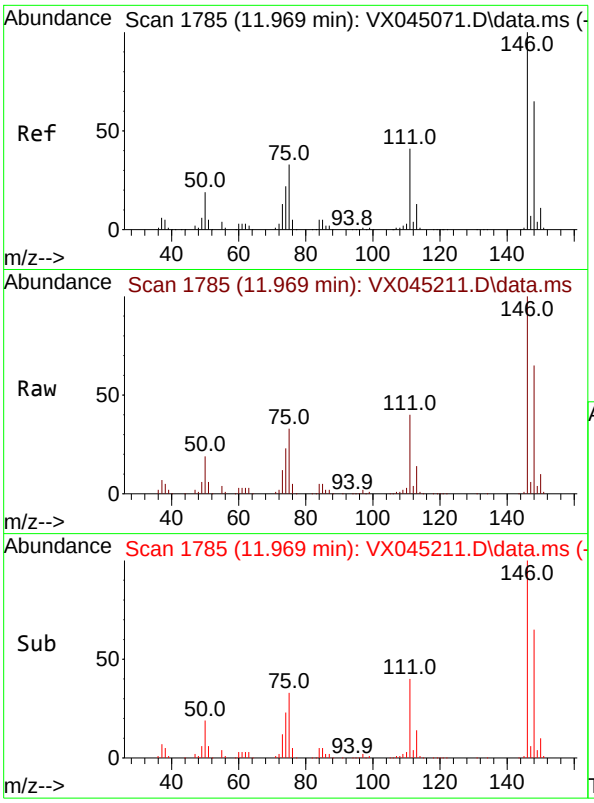


#86
p-Isopropyltoluene
Concen: 56.113 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:119 Resp: 247047

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	25.6	12.7	38.0



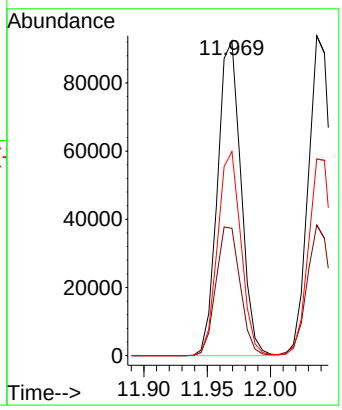


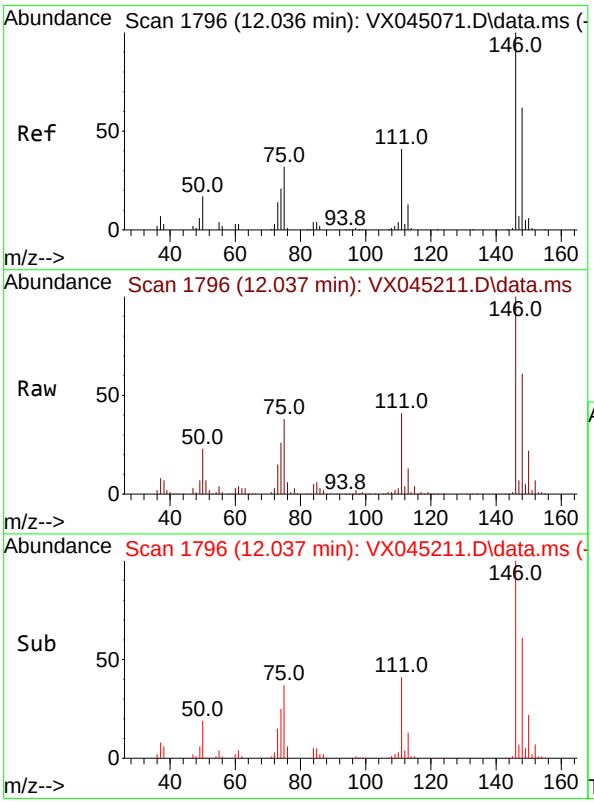
#87
1,3-Dichlorobenzene
Concen: 51.564 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 118813

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	64.9	31.9	95.7

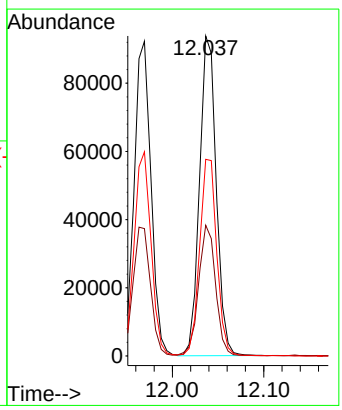


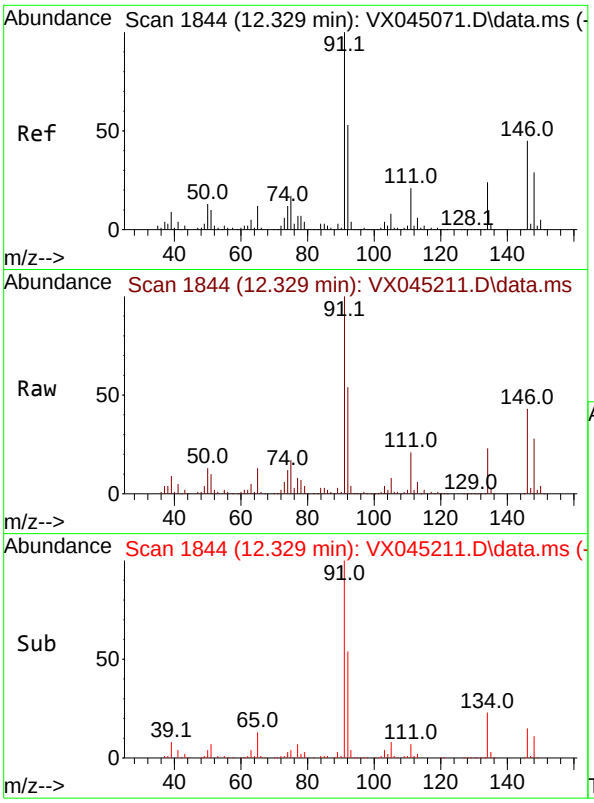


#88
1,4-Dichlorobenzene
Concen: 51.014 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:146 Resp: 118921

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.2	60.5
148	63.0	31.9	95.9



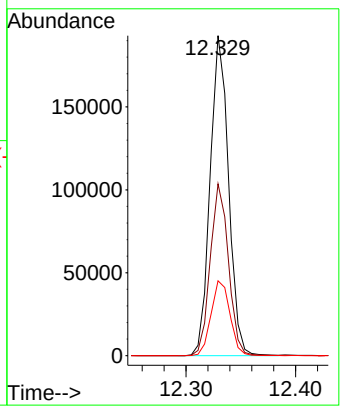


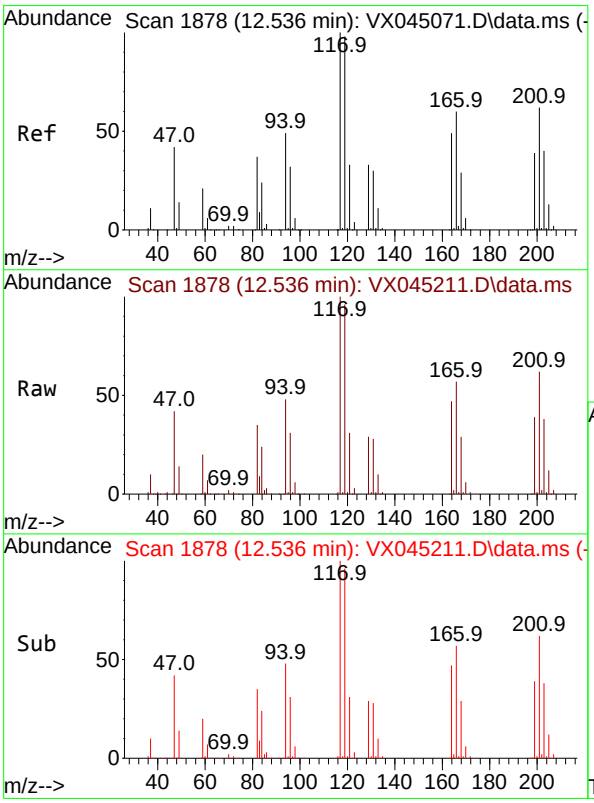
#89
n-Butylbenzene
Concen: 59.371 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 225130

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	24.1	12.2	36.6

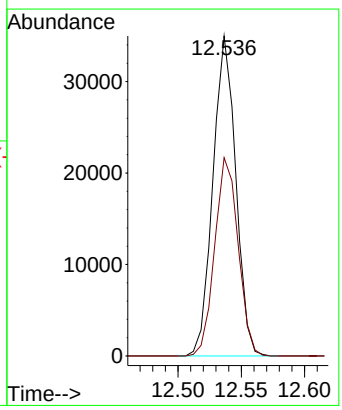


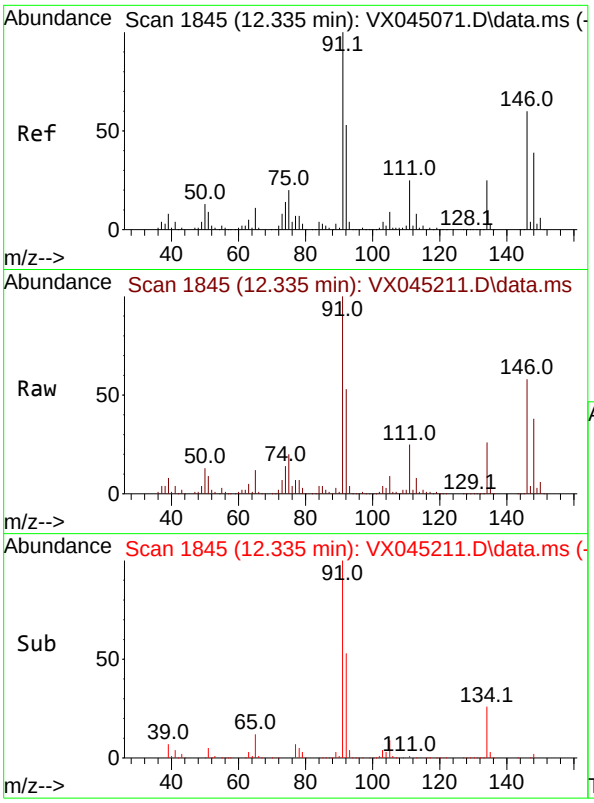


#90
Hexachloroethane
Concen: 55.032 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:117 Resp: 43824

Ion	Ratio	Lower	Upper
117	100		
201	63.6	31.9	95.9



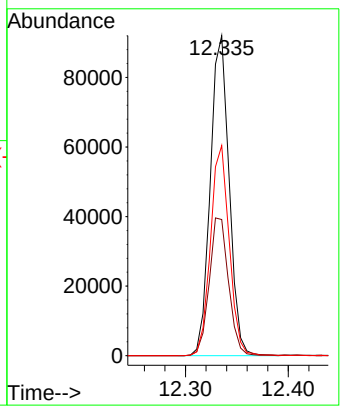


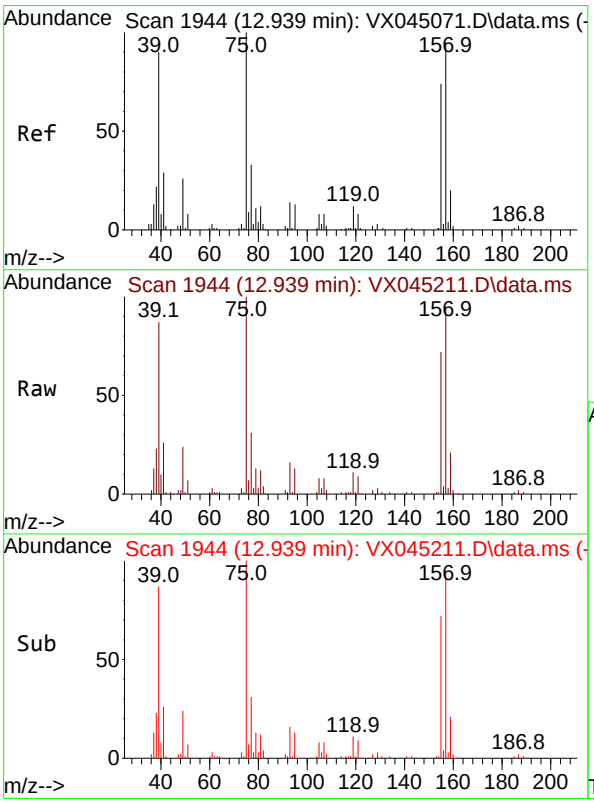
#91
1,2-Dichlorobenzene
Concen: 50.690 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 117166

Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.6	65.0
148	65.5	31.9	95.9

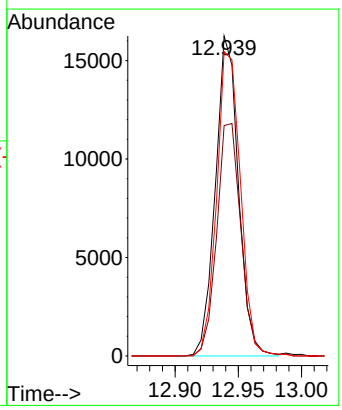


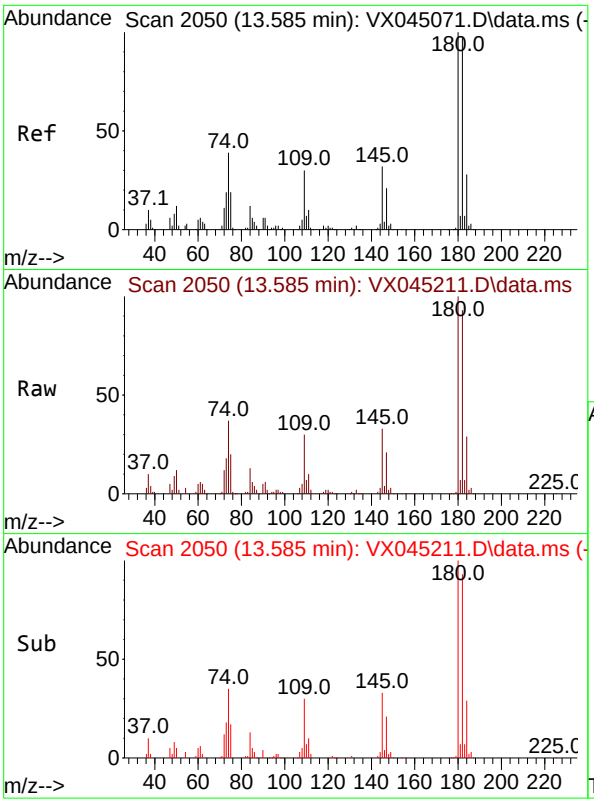


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.534 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion: 75 Resp: 20560

Ion	Ratio	Lower	Upper
75	100		
155	76.0	39.6	118.7
157	98.2	51.1	153.4



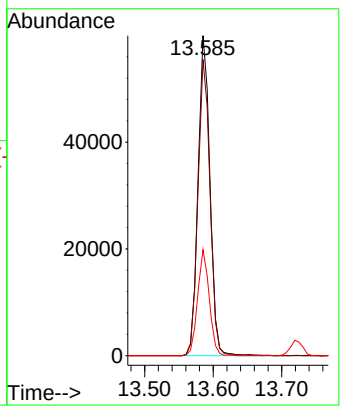


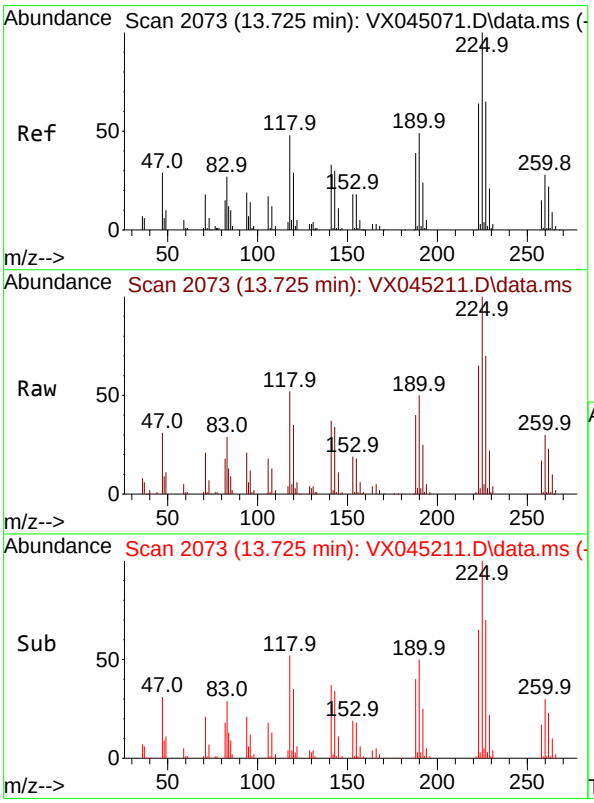
#93
1,2,4-Trichlorobenzene
Concen: 55.234 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 72696

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.3	141.9
145	32.3	16.3	48.9

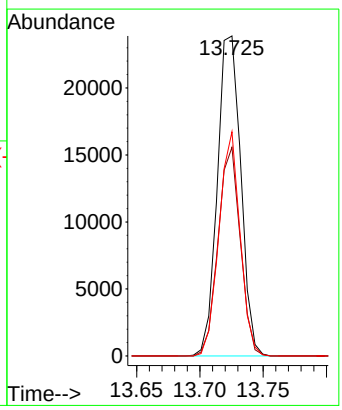


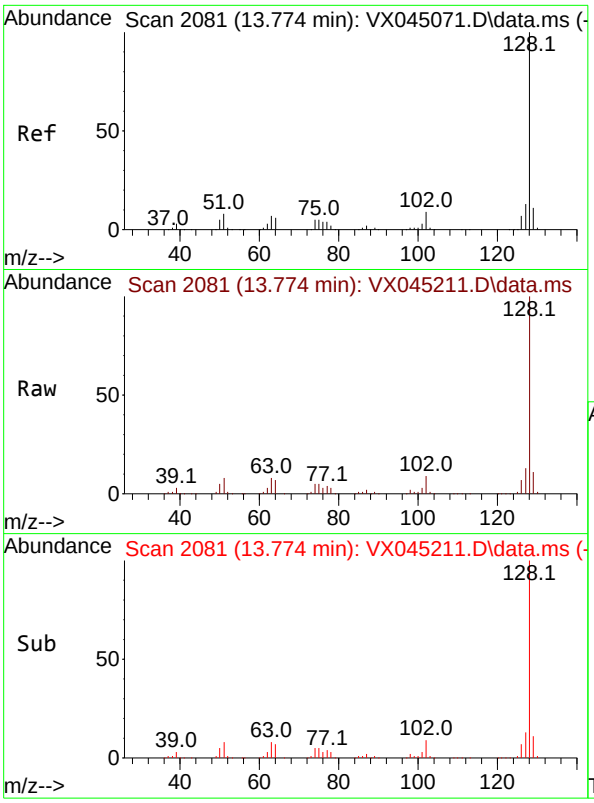


#94
Hexachlorobutadiene
Concen: 56.956 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:225 Resp: 30733

Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.9	95.7
227	63.1	31.4	94.0



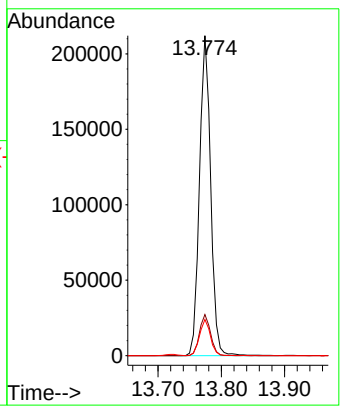


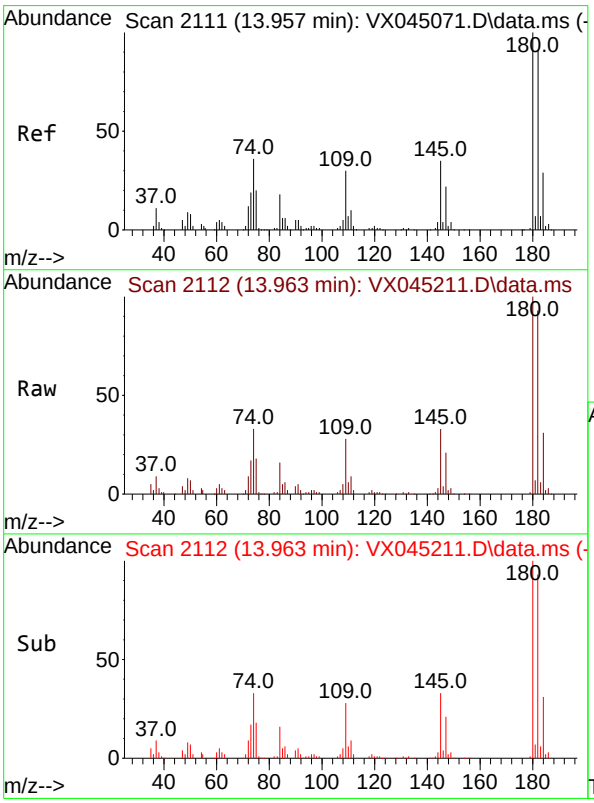
#95
Naphthalene
Concen: 51.639 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 261123

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.7	13.1

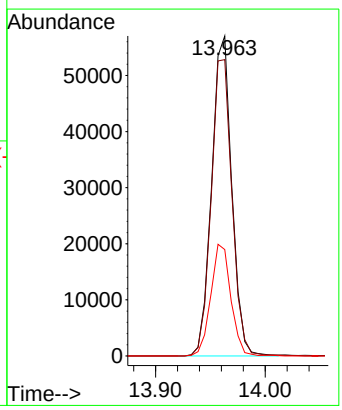




#96
1,2,3-Trichlorobenzene
Concen: 52.399 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045211.D
Acq: 11 Mar 2025 09:59

Tgt Ion:180 Resp: 72754

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	34.9	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045214.D
Acq On : 11 Mar 2025 11:14
Operator : JC/MD
Sample : VX0311WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Quant Time: Mar 12 01:43:44 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	94786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	172566	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	151770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78434	52.022	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.040%			
35) Dibromofluoromethane	5.385	113	59827	51.847	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.700%			
50) Toluene-d8	8.647	98	214187	51.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.400%			
62) 4-Bromofluorobenzene	11.079	95	73373	52.930	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	23221	19.462	ug/l	93
3) Chloromethane	1.307	50	27497	18.832	ug/l	98
4) Vinyl Chloride	1.374	62	25371	17.516	ug/l	100
5) Bromomethane	1.593	94	10762	18.900	ug/l	99
6) Chloroethane	1.666	64	14288	21.385	ug/l	99
7) Trichlorofluoromethane	1.873	101	36662	19.119	ug/l	98
8) Diethyl Ether	2.130	74	13336	17.781	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.318	101	22963	20.844	ug/l	98
10) Methyl Iodide	2.440	142	26241	19.060	ug/l	98
11) Tert butyl alcohol	2.977	59	23827	83.432	ug/l	99
12) 1,1-Dichloroethene	2.306	96	21892	18.796	ug/l	96
13) Acrolein	2.233	56	27498	83.295	ug/l	98
14) Allyl chloride	2.654	41	42402	20.452	ug/l	97
15) Acrylonitrile	3.062	53	76815	100.359	ug/l	98
16) Acetone	2.379	43	68022	97.239	ug/l	100
17) Carbon Disulfide	2.501	76	52443	16.905	ug/l	99
18) Methyl Acetate	2.703	43	38406	22.822	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	76028	19.456	ug/l	97
20) Methylene Chloride	2.782	84	25706	18.551	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	22379	19.449	ug/l	96
22) Diisopropyl ether	3.763	45	82227	19.501	ug/l	92
23) Vinyl Acetate	3.721	43	347170	98.664	ug/l	100
24) 1,1-Dichloroethane	3.605	63	46401	19.636	ug/l	100
25) 2-Butanone	4.556	43	108494	103.036	ug/l	98
26) 2,2-Dichloropropane	4.471	77	31745	28.640	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	27319	19.233	ug/l	93
28) Bromochloromethane	4.891	49	23024	20.441	ug/l	98
29) Tetrahydrofuran	5.007	42	69813	98.728	ug/l	99
30) Chloroform	5.092	83	46678	19.880	ug/l	96
31) Cyclohexane	5.458	56	40348	19.670	ug/l	92
32) 1,1,1-Trichloroethane	5.373	97	37908	19.990	ug/l	98
36) 1,1-Dichloropropene	5.684	75	29907	18.899	ug/l	99
37) Ethyl Acetate	4.714	43	38853	19.054	ug/l	100
38) Carbon Tetrachloride	5.665	117	31723	19.746	ug/l	94
39) Methylcyclohexane	7.372	83	37800	19.935	ug/l	96
40) Benzene	6.031	78	96762	19.364	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045214.D
Acq On : 11 Mar 2025 11:14
Operator : JC/MD
Sample : VX0311WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Quant Time: Mar 12 01:43:44 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	22316	20.240	ug/l		96
42) 1,2-Dichloroethane	6.086	62	35693	19.836	ug/l		100
43) Isopropyl Acetate	6.342	43	60338	20.011	ug/l		98
44) Trichloroethene	7.123	130	22228	18.944	ug/l		100
45) 1,2-Dichloropropane	7.421	63	24329	18.936	ug/l		92
46) Dibromomethane	7.580	93	18282	20.132	ug/l		97
47) Bromodichloromethane	7.818	83	34860	19.571	ug/l		100
48) Methyl methacrylate	7.696	41	30110	19.905	ug/l		96
49) 1,4-Dioxane	7.665	88	12029	376.974	ug/l		92
51) 4-Methyl-2-Pentanone	8.573	43	214467	105.932	ug/l		99
52) Toluene	8.714	92	58726	20.030	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	29814	20.021	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	35732	20.578	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	23516	19.483	ug/l		98
56) Ethyl methacrylate	9.116	69	35989	19.616	ug/l		95
57) 1,3-Dichloropropane	9.305	76	42034	20.124	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	86098	96.201	ug/l		98
59) 2-Hexanone	9.427	43	159240	108.556	ug/l		100
60) Dibromochloromethane	9.518	129	24640	19.524	ug/l		99
61) 1,2-Dibromoethane	9.610	107	23673	19.647	ug/l		98
64) Tetrachloroethene	9.268	164	18990	19.537	ug/l		94
65) Chlorobenzene	10.079	112	63389	19.739	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	21025	19.659	ug/l		97
67) Ethyl Benzene	10.189	91	110625	19.770	ug/l		97
68) m/p-Xylenes	10.299	106	82080	40.069	ug/l		100
69) o-Xylene	10.640	106	40108	19.413	ug/l		99
70) Styrene	10.652	104	67728	20.260	ug/l		100
71) Bromoform	10.799	173	16153	20.029	ug/l	#	96
73) Isopropylbenzene	10.963	105	107006	19.084	ug/l		99
74) N-amyl acetate	10.841	43	50165	19.067	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	40119	19.498	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	39105	23.388	ug/l		89
77) Bromobenzene	11.195	156	24515	18.531	ug/l		99
78) n-propylbenzene	11.305	91	121782	19.227	ug/l		99
79) 2-Chlorotoluene	11.360	91	74331	18.427	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	87665	19.336	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8908	18.233	ug/l		92
82) 4-Chlorotoluene	11.451	91	84393	19.196	ug/l		99
83) tert-Butylbenzene	11.713	119	87407	18.764	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	87408	19.161	ug/l		99
85) sec-Butylbenzene	11.890	105	109340	19.595	ug/l		100
86) p-Isopropyltoluene	12.006	119	89213	19.784	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	45456	19.261	ug/l		97
88) 1,4-Dichlorobenzene	12.042	146	44731	18.734	ug/l		99
89) n-Butylbenzene	12.329	91	77043	19.837	ug/l		99
90) Hexachloroethane	12.536	117	14295	17.526	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	45966	19.416	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7663	19.117	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	25441	18.873	ug/l		99
94) Hexachlorobutadiene	13.725	225	11095	20.075	ug/l		96
95) Naphthalene	13.774	128	97611	18.846	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	26572	18.685	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045214.D
Acq On : 11 Mar 2025 11:14
Operator : JC/MD
Sample : VX0311WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Quant Time: Mar 12 01:43:44 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)

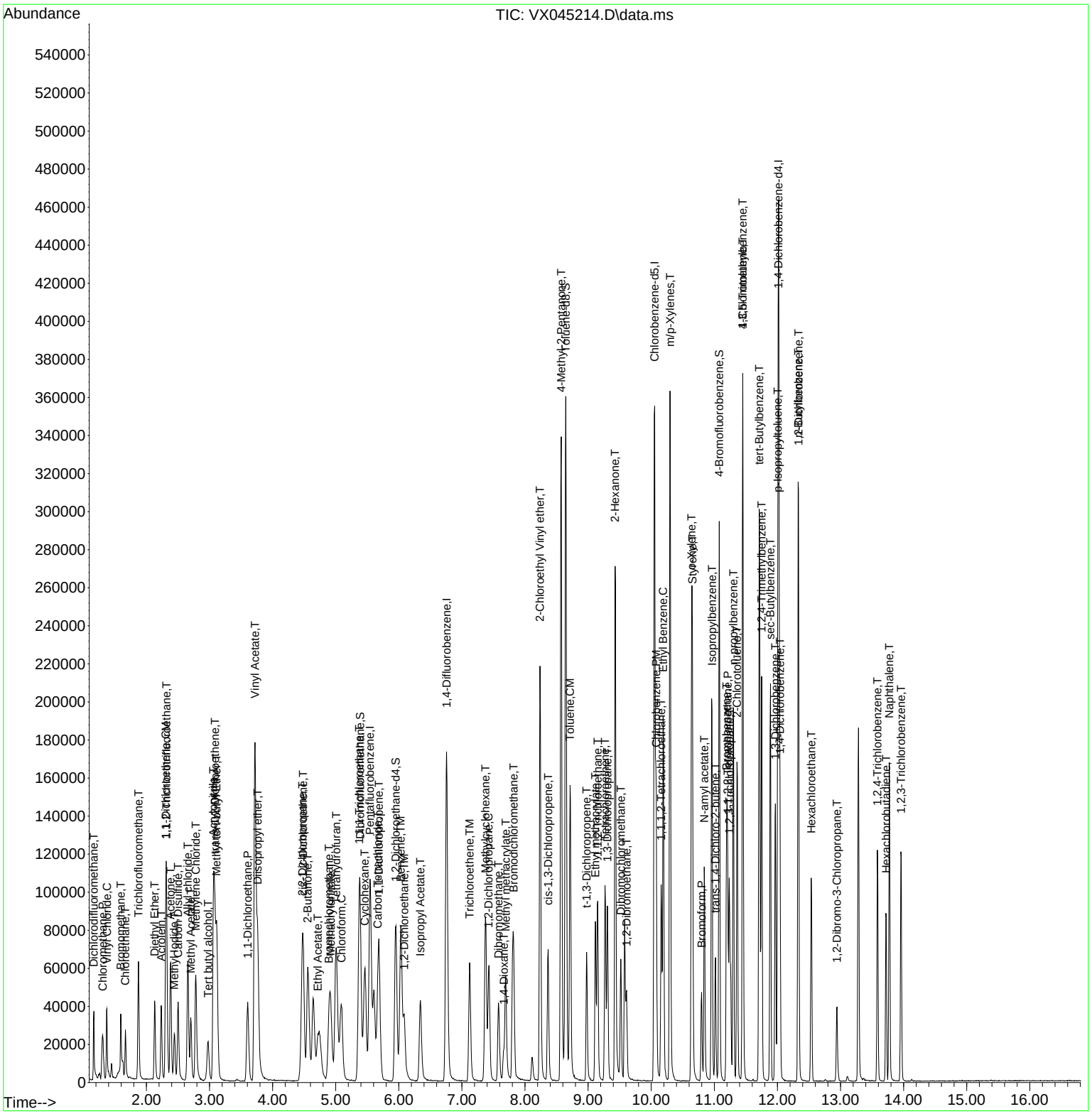
(#) = qualifier out of range (m) = manual integration (+) = signals summed

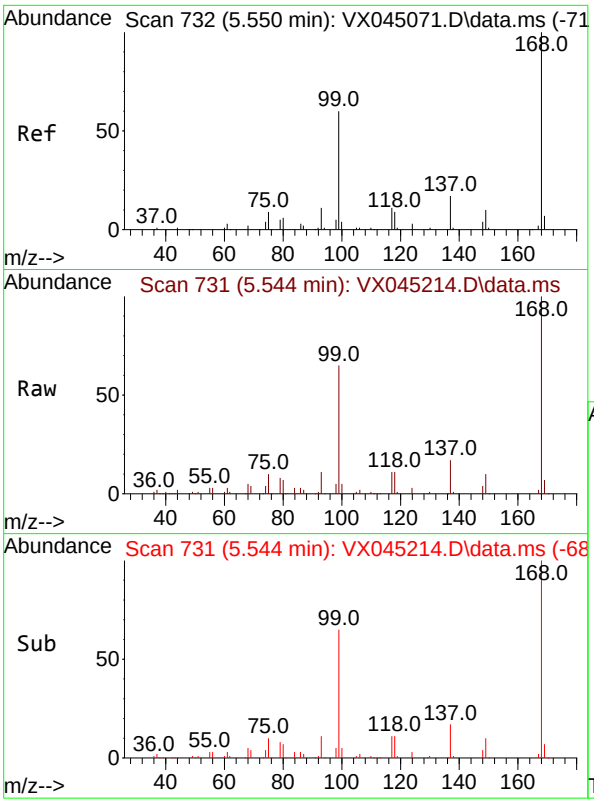
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045214.D
Acq On : 11 Mar 2025 11:14
Operator : JC/MD
Sample : VX0311WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Quant Time: Mar 12 01:43:44 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



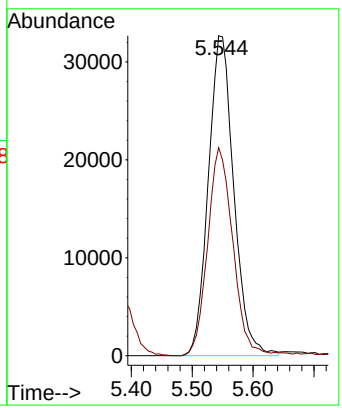


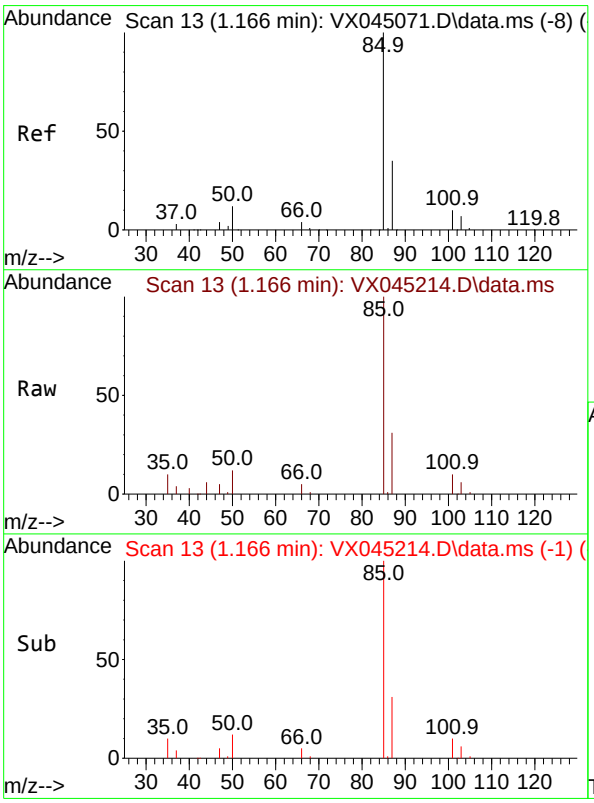
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:168 Resp: 94786

Ion	Ratio	Lower	Upper
168	100		
99	65.0	48.2	72.4

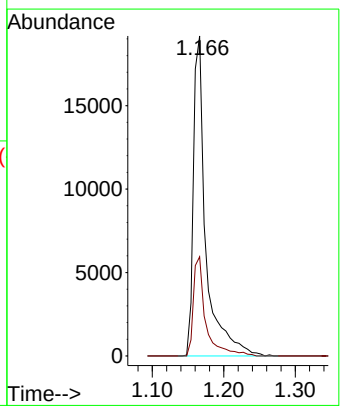


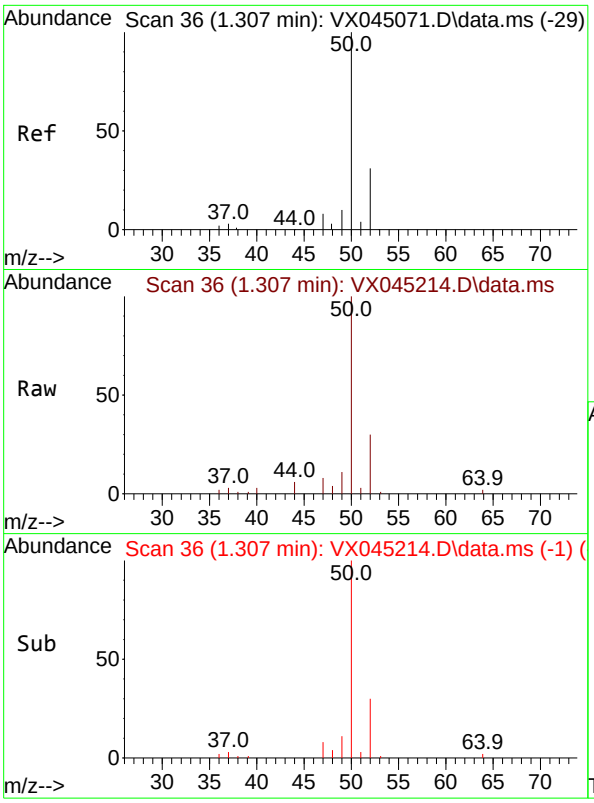


#2
Dichlorodifluoromethane
Concen: 19.462 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 85 Resp: 23221

Ion	Ratio	Lower	Upper
85	100		
87	31.0	17.4	52.3



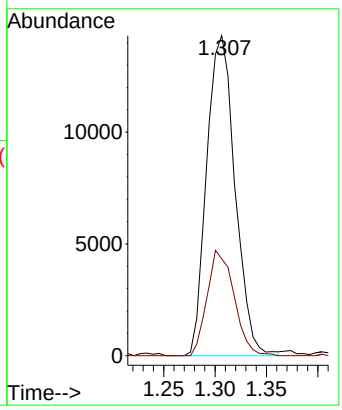


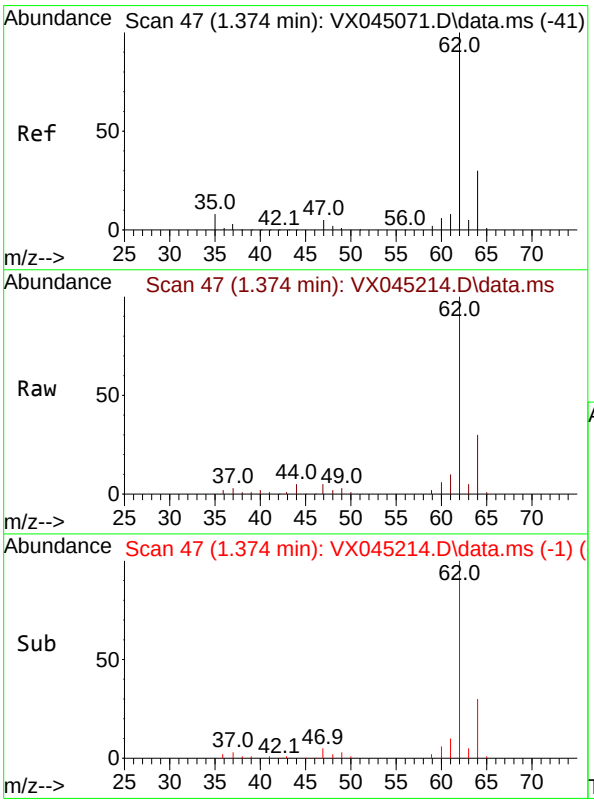
#3
Chloromethane
Concen: 18.832 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 50 Resp: 27497

Ion	Ratio	Lower	Upper
50	100		
52	30.2	25.0	37.4

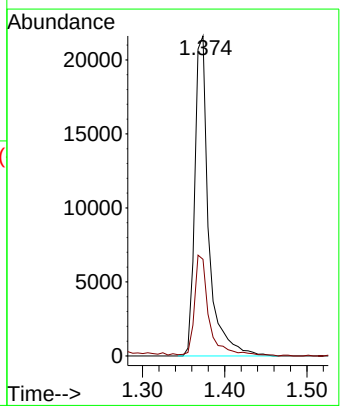


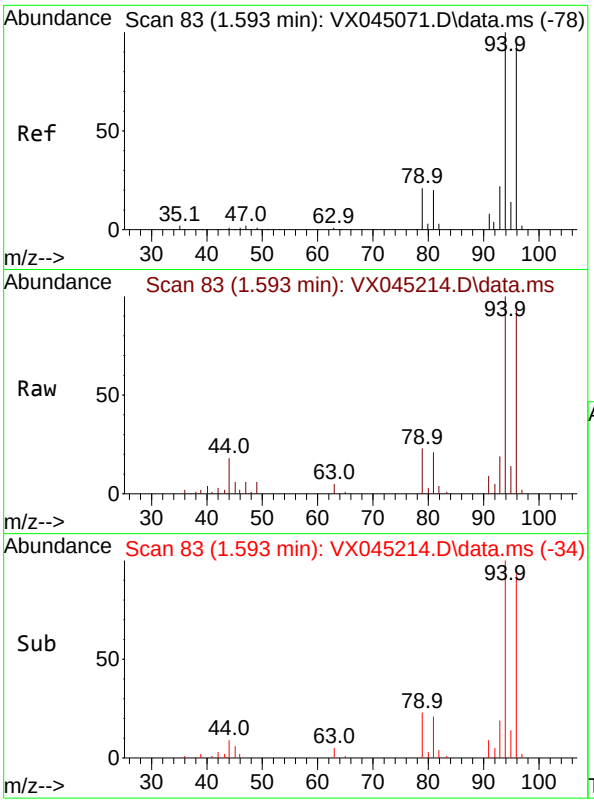


#4
Vinyl Chloride
Concen: 17.516 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 62 Resp: 25371

Ion	Ratio	Lower	Upper
62	100		
64	30.2	24.3	36.5



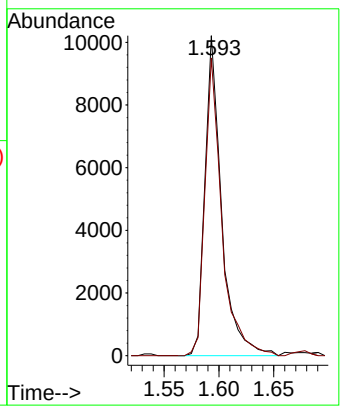


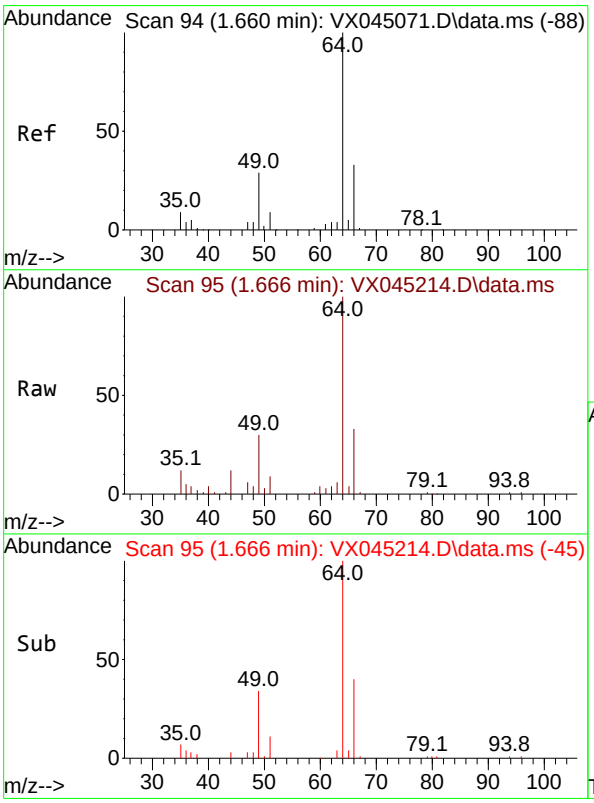
#5
Bromomethane
Concen: 18.900 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 94 Resp: 10762

Ion	Ratio	Lower	Upper
94	100		
96	93.1	75.0	112.4

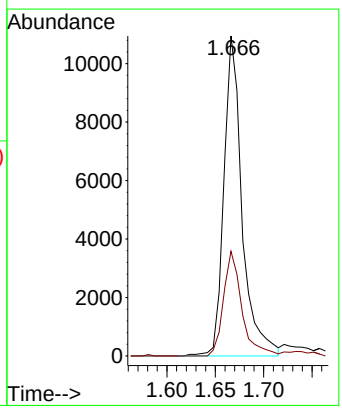


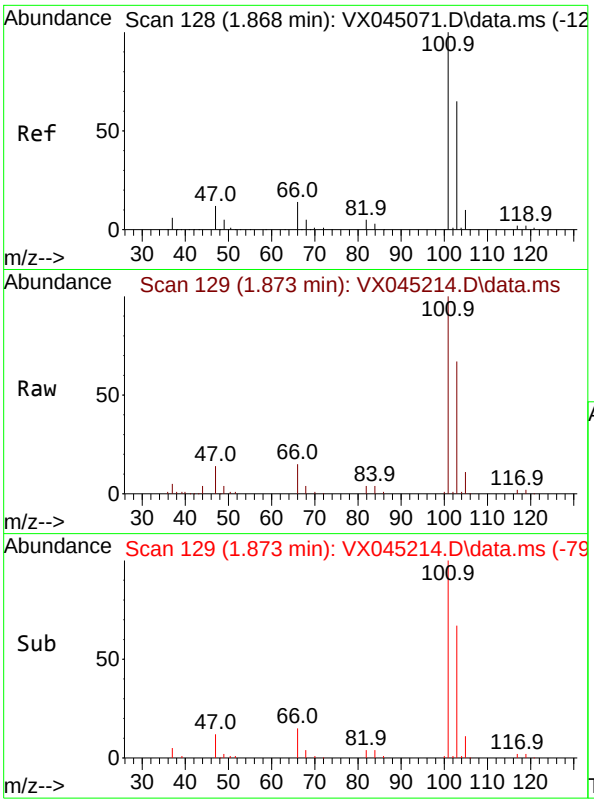


#6
Chloroethane
Concen: 21.385 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 64 Resp: 14288

Ion	Ratio	Lower	Upper
64	100		
66	32.7	26.7	40.1



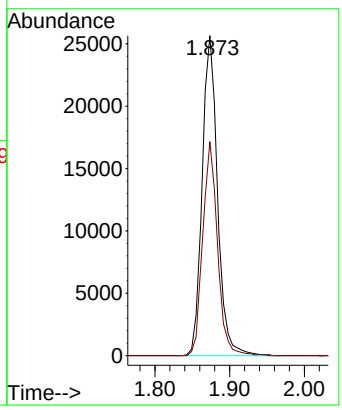


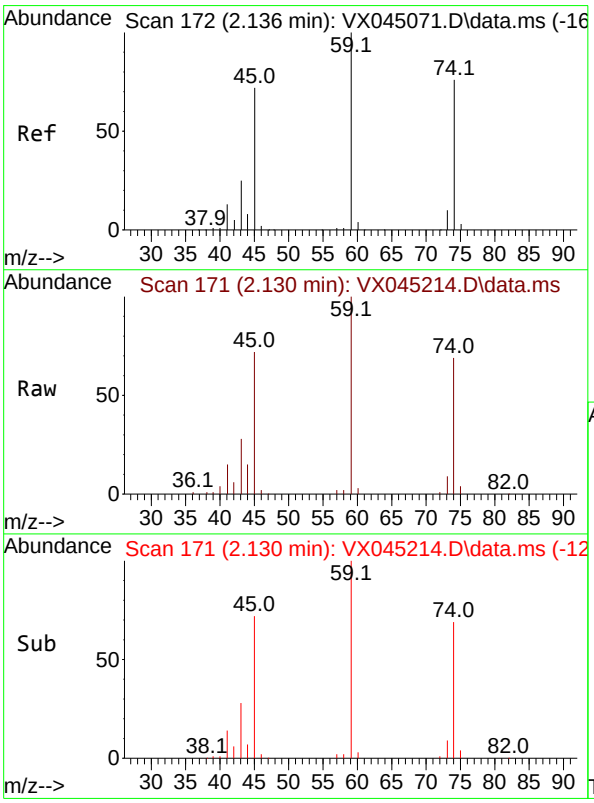
#7
Trichlorofluoromethane
Concen: 19.119 ug/l
RT: 1.873 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:101 Resp: 36662

Ion	Ratio	Lower	Upper
101	100		
103	66.9	52.1	78.1

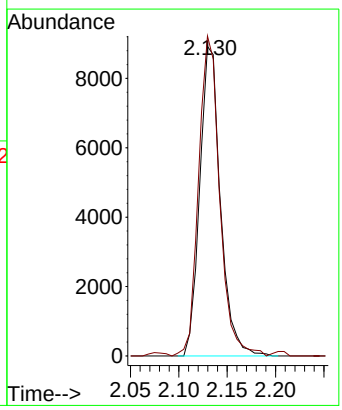


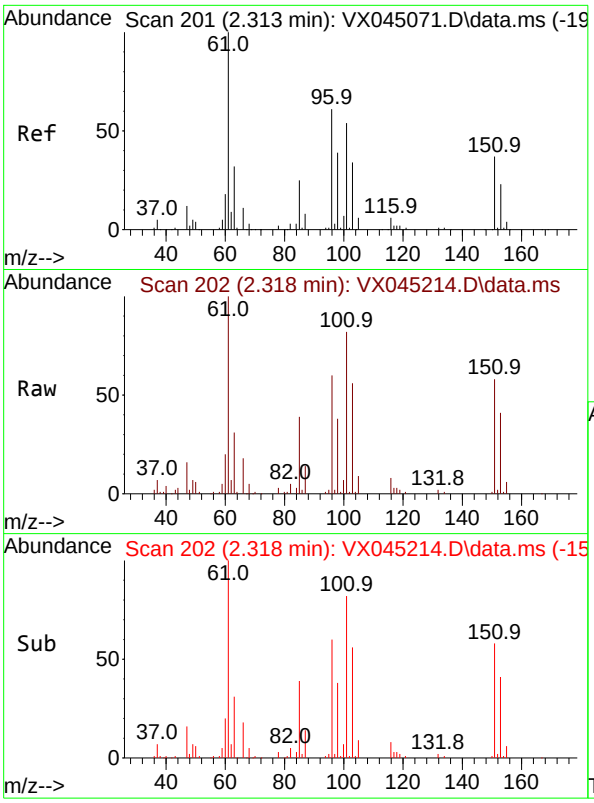


#8
Diethyl Ether
Concen: 17.781 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 74 Resp: 13336

Ion	Ratio	Lower	Upper
74	100		
45	104.8	51.5	154.5



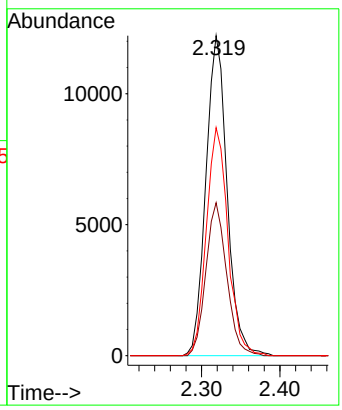


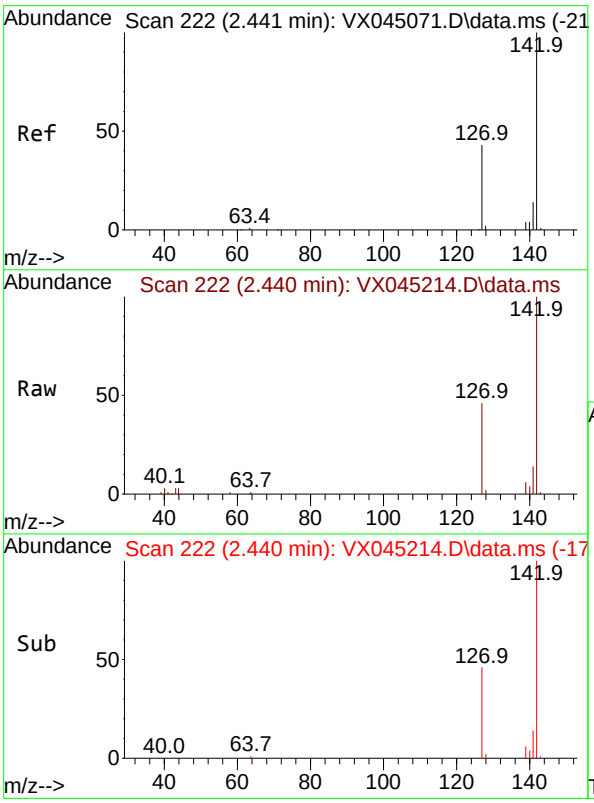
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.844 ug/l
RT: 2.318 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:101 Resp: 22963

Ion	Ratio	Lower	Upper
101	100		
85	47.1	36.2	54.4
151	72.4	56.4	84.6

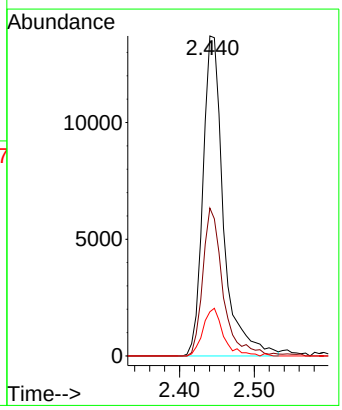


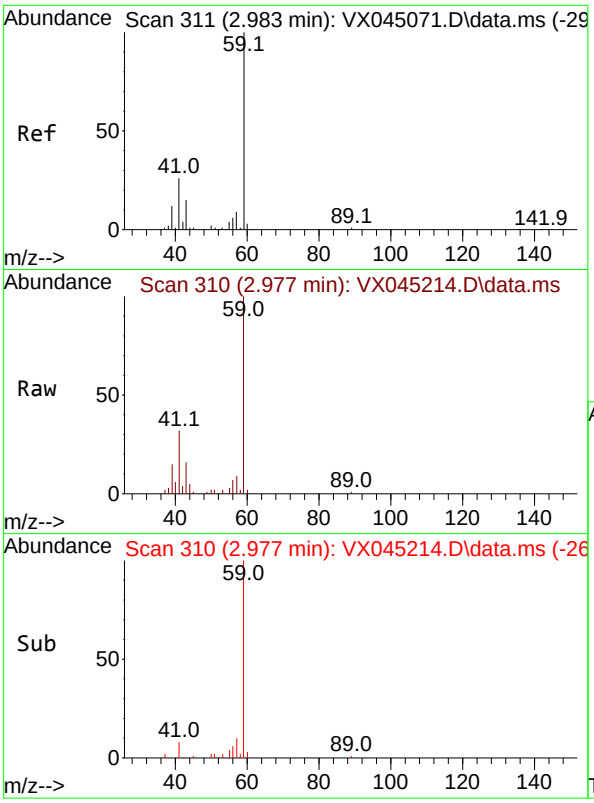


#10
Methyl Iodide
Concen: 19.060 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:142 Resp: 26241

Ion	Ratio	Lower	Upper
142	100		
127	45.6	35.4	53.2
141	14.7	11.6	17.4



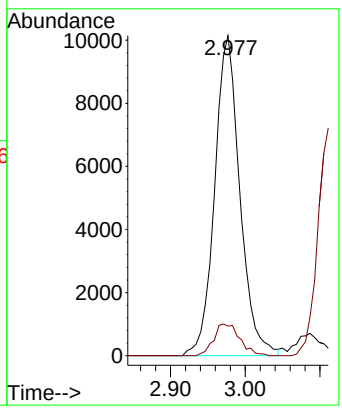


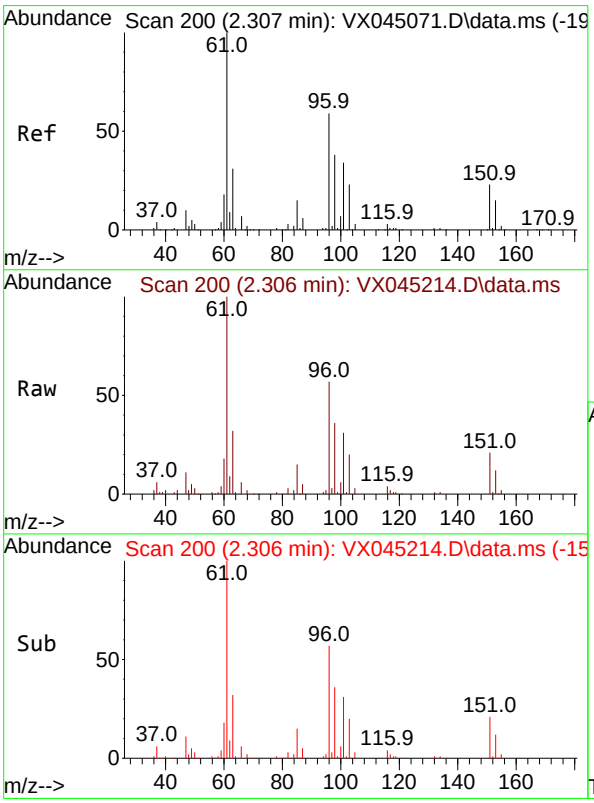
#11
Tert butyl alcohol
Concen: 83.432 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 59 Resp: 23827

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8

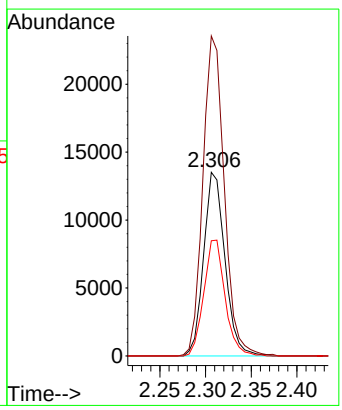


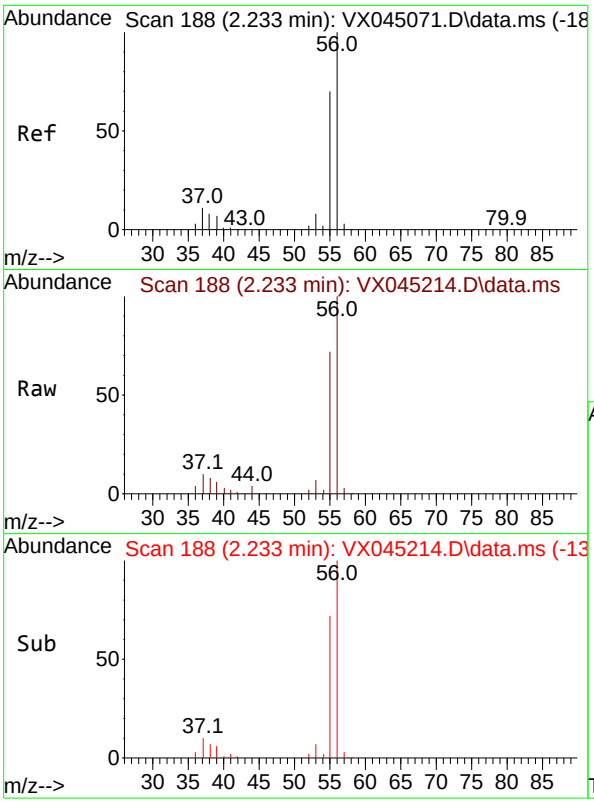


#12
1,1-Dichloroethene
Concen: 18.796 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 96 Resp: 21892

Ion	Ratio	Lower	Upper
96	100		
61	174.2	134.6	202.0
98	62.7	51.0	76.6



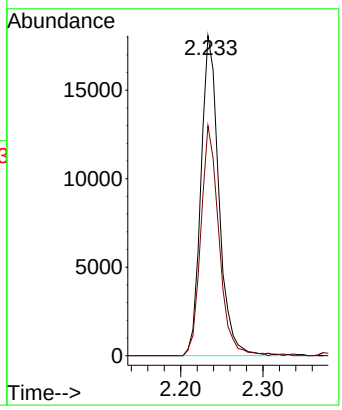


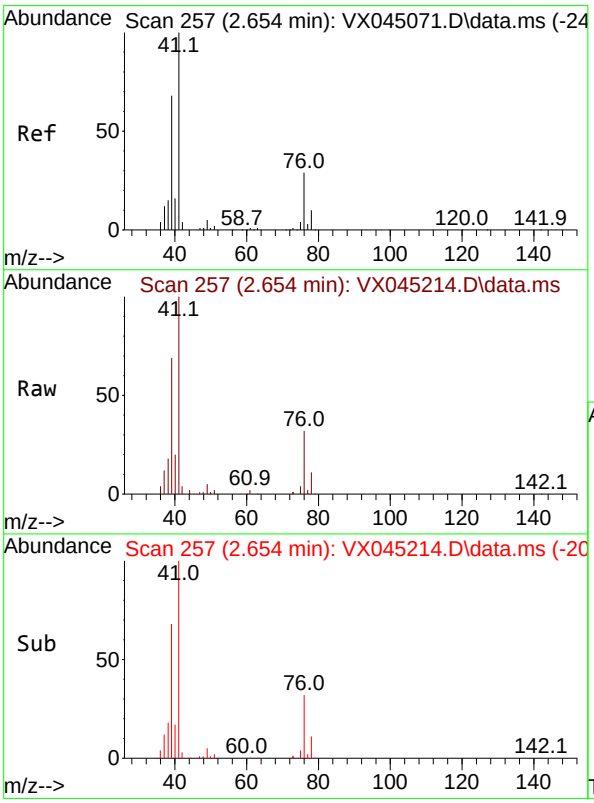
#13
Acrolein
Concen: 83.295 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 56 Resp: 27498

Ion	Ratio	Lower	Upper
56	100		
55	72.3	56.2	84.4

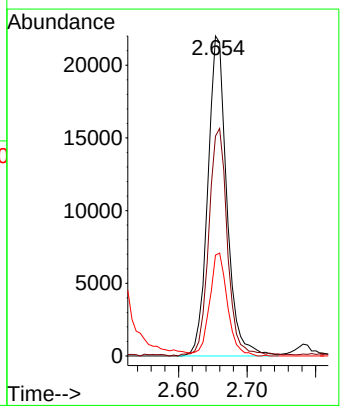


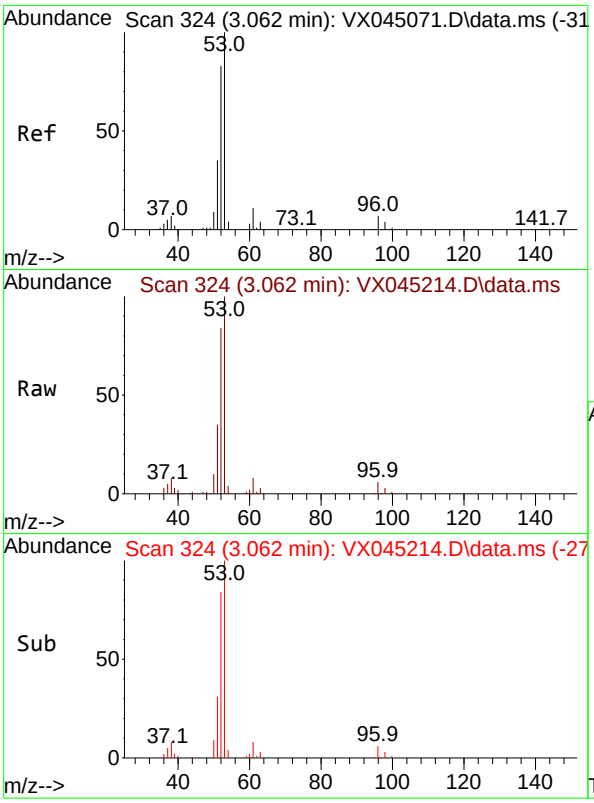


#14
Allyl chloride
Concen: 20.452 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 41 Resp: 42402

Ion	Ratio	Lower	Upper
41	100		
39	70.5	53.8	80.8
76	30.2	25.2	37.8



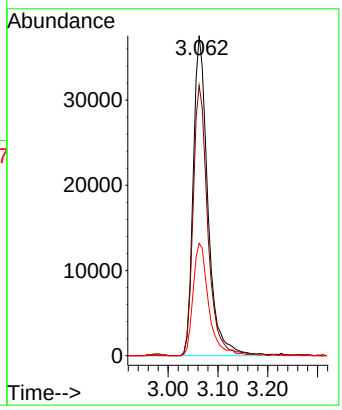


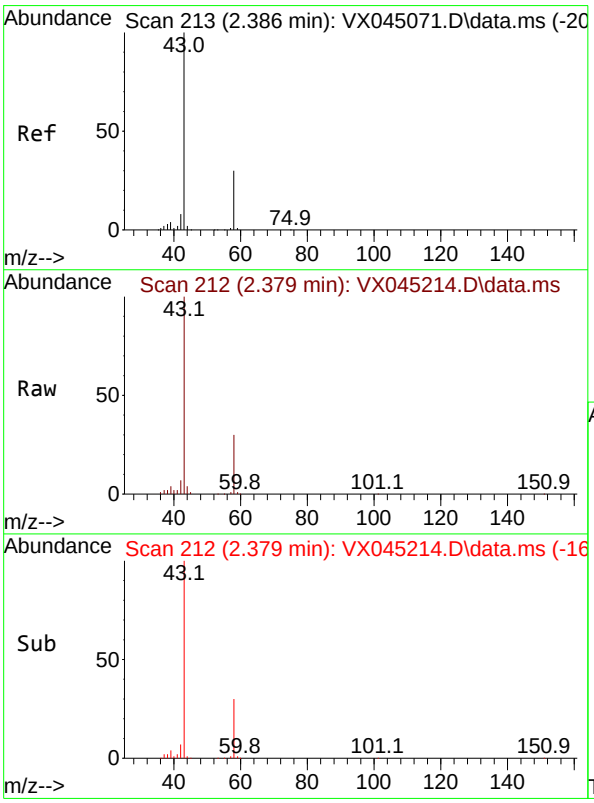
#15
Acrylonitrile
Concen: 100.359 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 53 Resp: 76815

Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.2	99.2
51	37.1	29.0	43.4

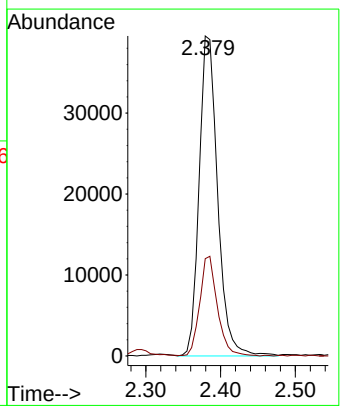


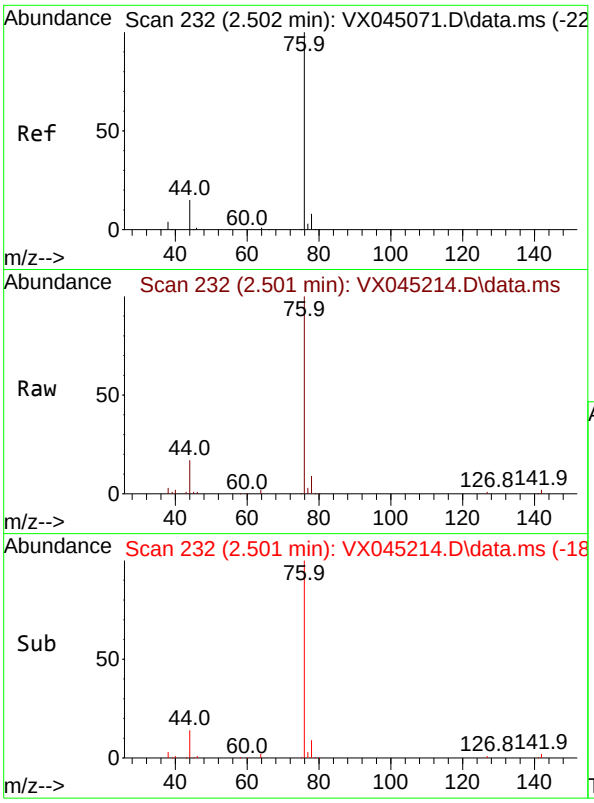


#16
Acetone
Concen: 97.239 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 43 Resp: 68022

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4



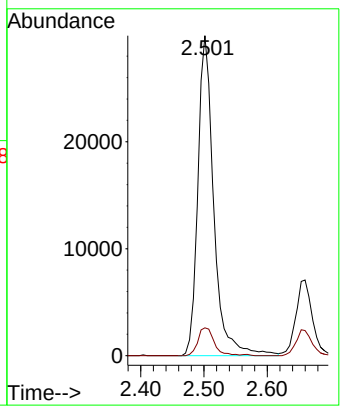


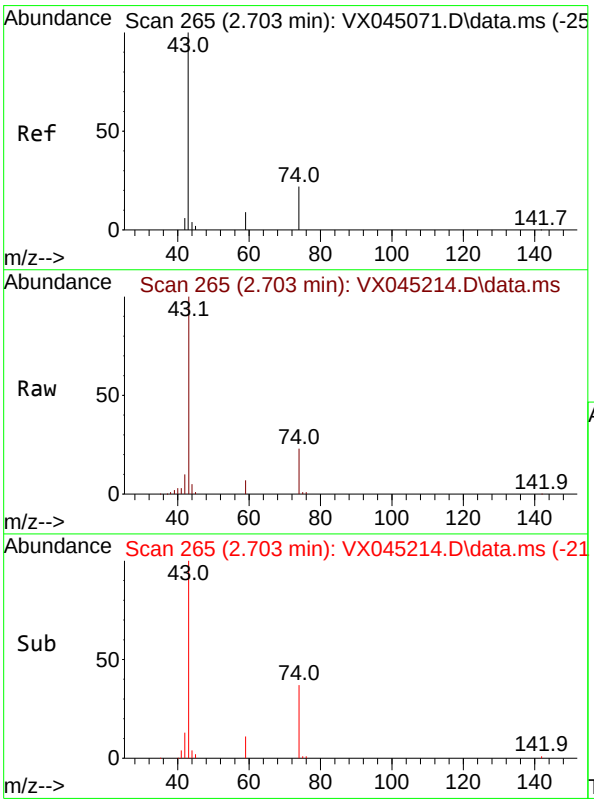
#17
Carbon Disulfide
Concen: 16.905 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 76 Resp: 52443

Ion	Ratio	Lower	Upper
76	100		
78	8.7	6.6	9.8

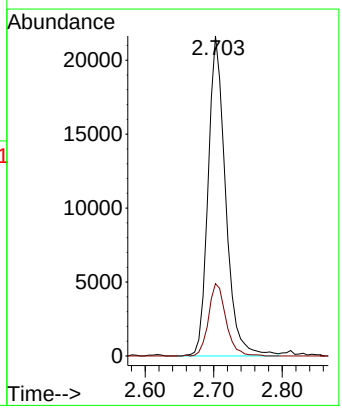


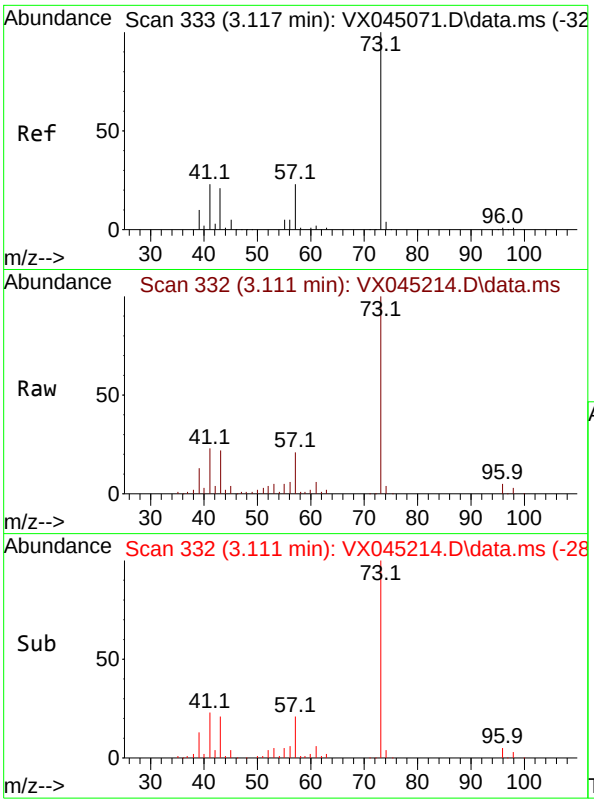


#18
Methyl Acetate
Concen: 22.822 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 43 Resp: 38406

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.4	26.2



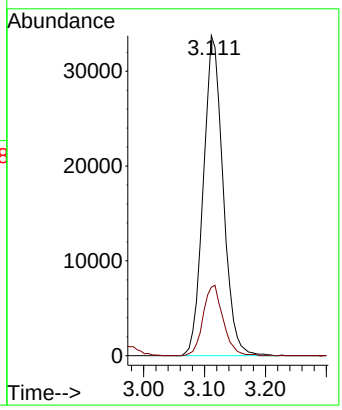


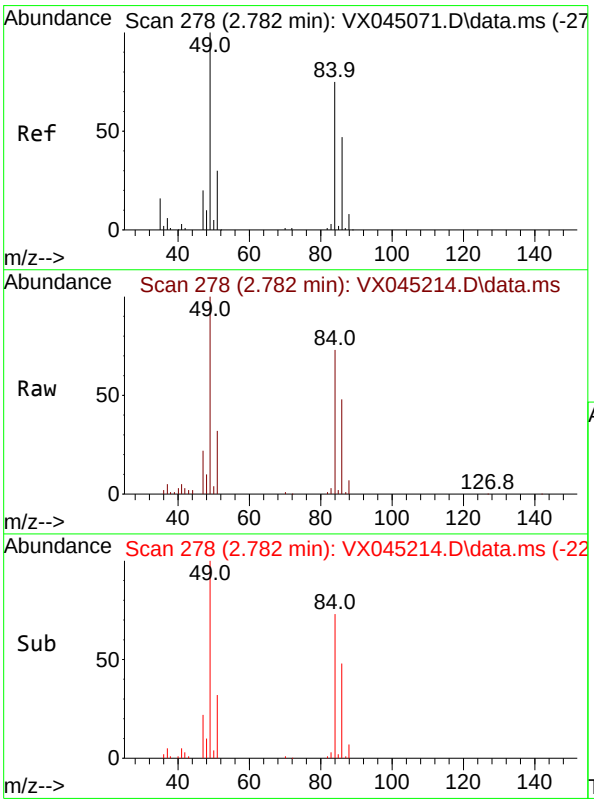
#19
Methyl tert-butyl Ether
Concen: 19.456 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 73 Resp: 76028

Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.5	27.7

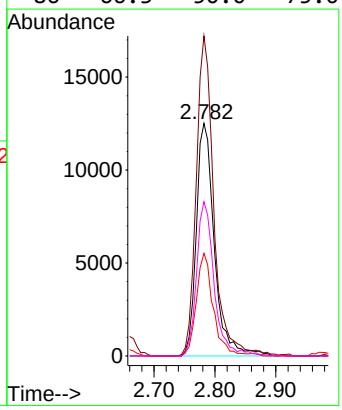


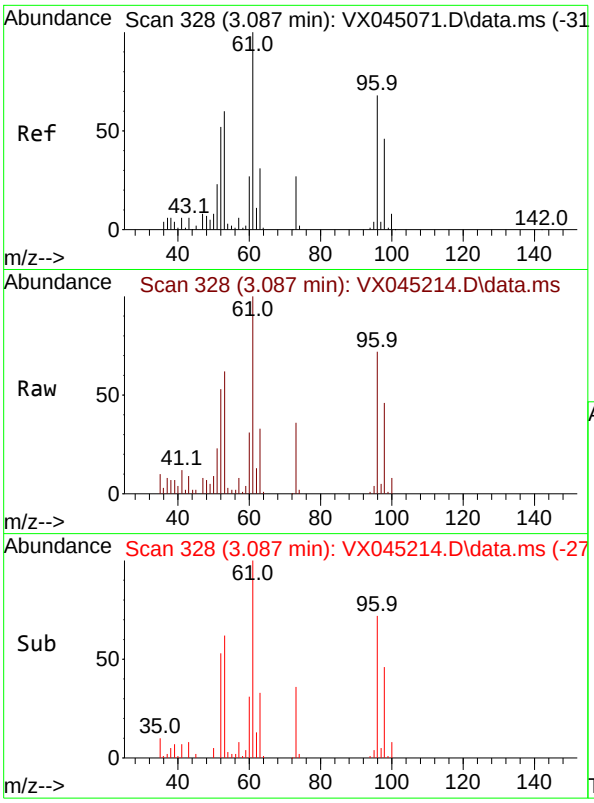


#20
Methylene Chloride
Concen: 18.551 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 84 Resp: 25706

Ion	Ratio	Lower	Upper
84	100		
49	137.6	106.5	159.7
51	44.1	32.1	48.1
86	66.3	50.0	75.0



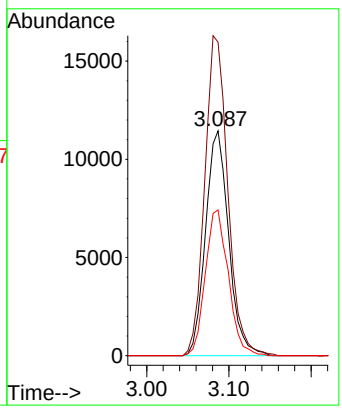


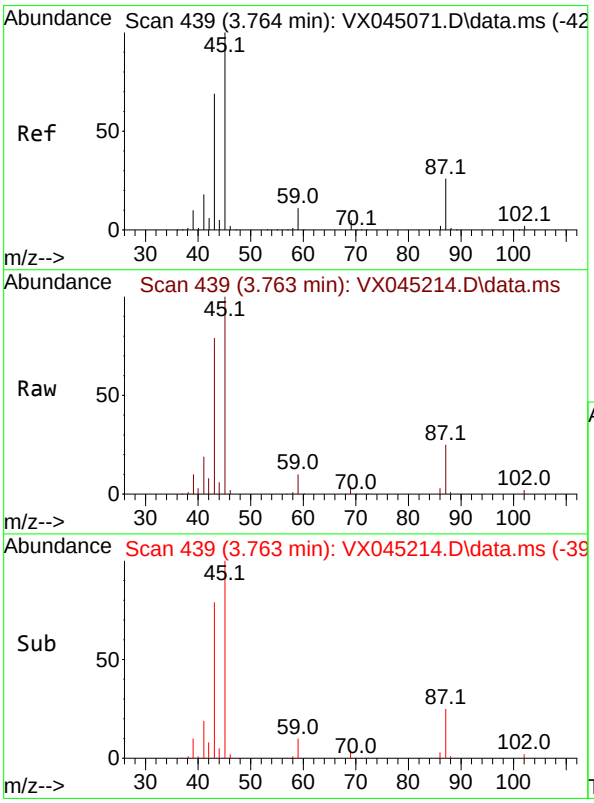
#21
trans-1,2-Dichloroethene
Concen: 19.449 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 96 Resp: 22379

Ion	Ratio	Lower	Upper
96	100		
61	139.5	117.0	175.4
98	64.8	53.4	80.2

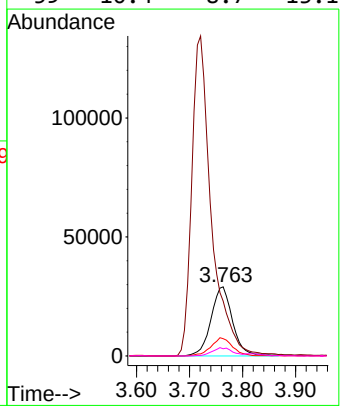


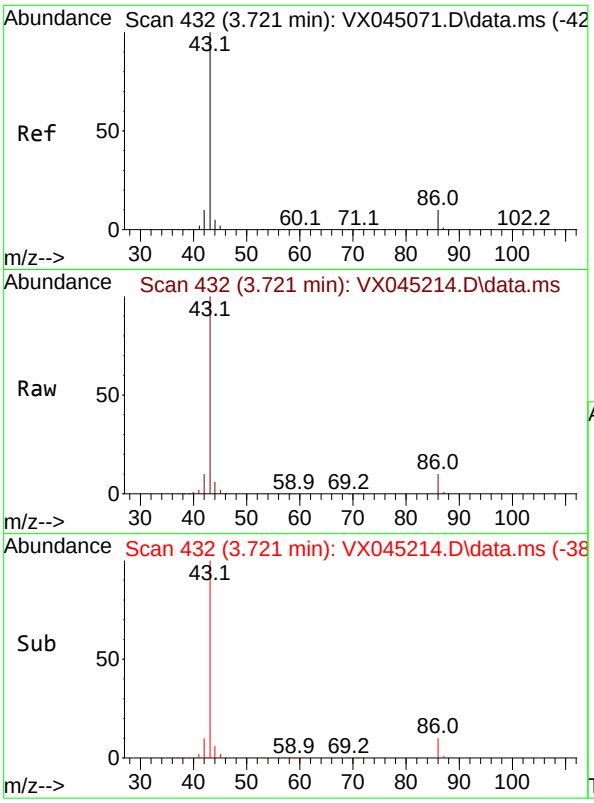


#22
Diisopropyl ether
Concen: 19.501 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 45 Resp: 82227

Ion	Ratio	Lower	Upper
45	100		
43	78.2	54.9	82.3
87	25.1	21.0	31.4
59	10.4	8.7	13.1



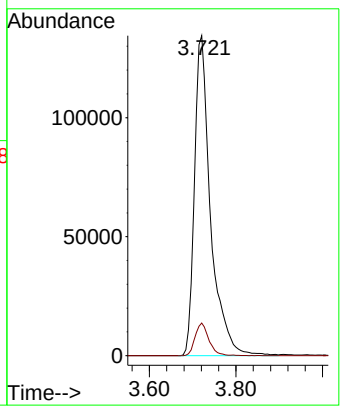


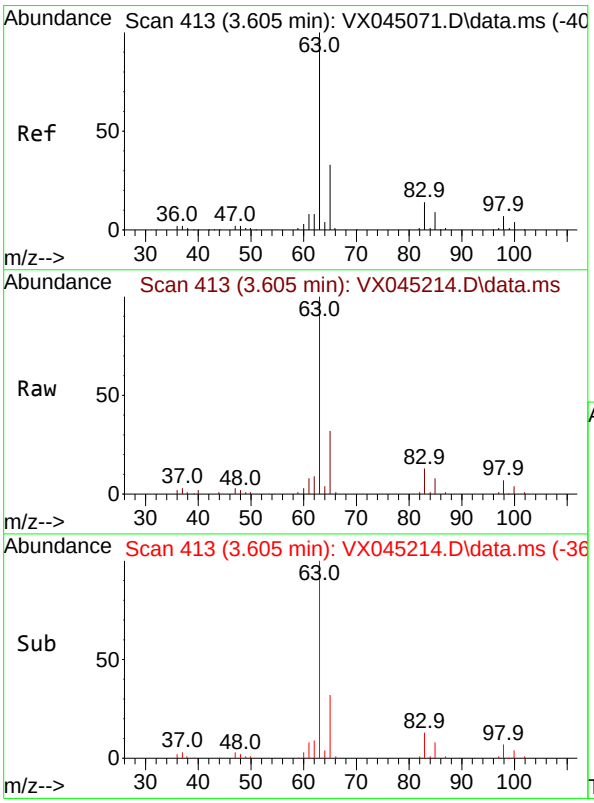
#23
Vinyl Acetate
Concen: 98.664 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 43 Resp: 347170

Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.1	12.1

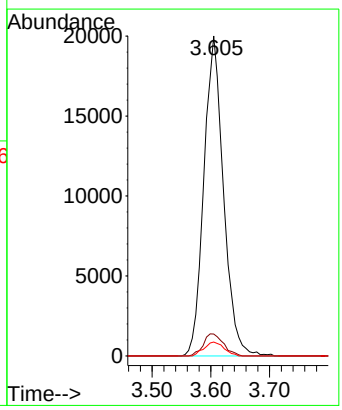


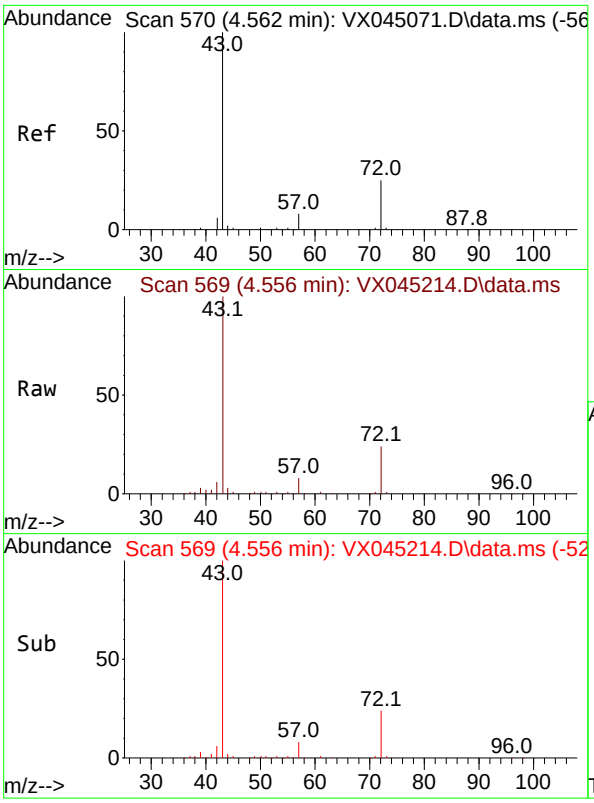


#24
1,1-Dichloroethane
Concen: 19.636 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 63 Resp: 46401

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.2
100	4.4	2.1	6.5



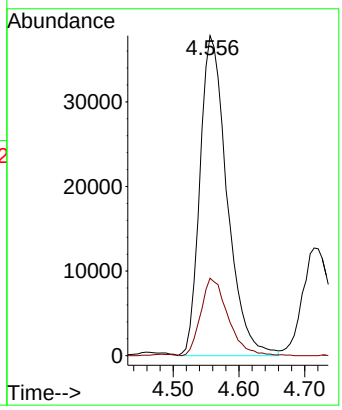


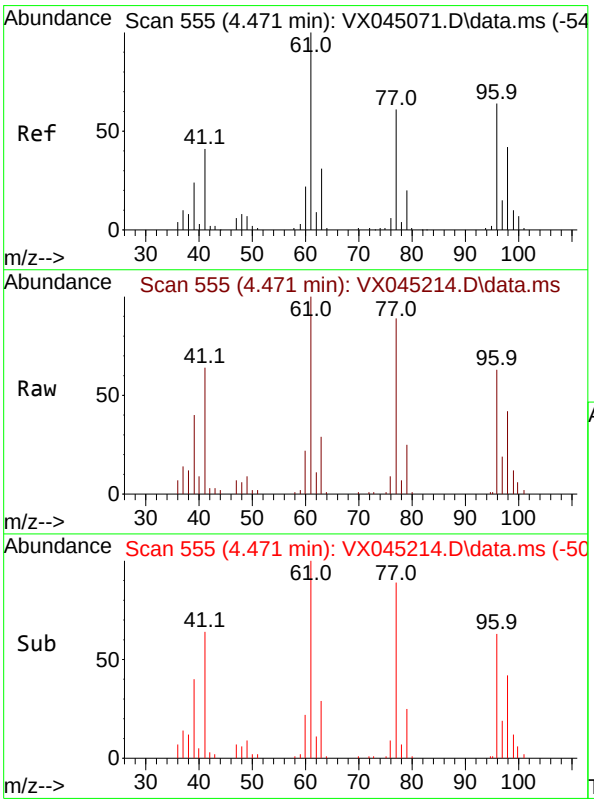
#25
2-Butanone
Concen: 103.036 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 43 Resp: 108494

Ion	Ratio	Lower	Upper
43	100		
72	24.0	20.0	30.0

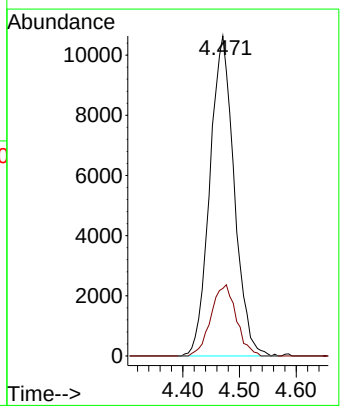


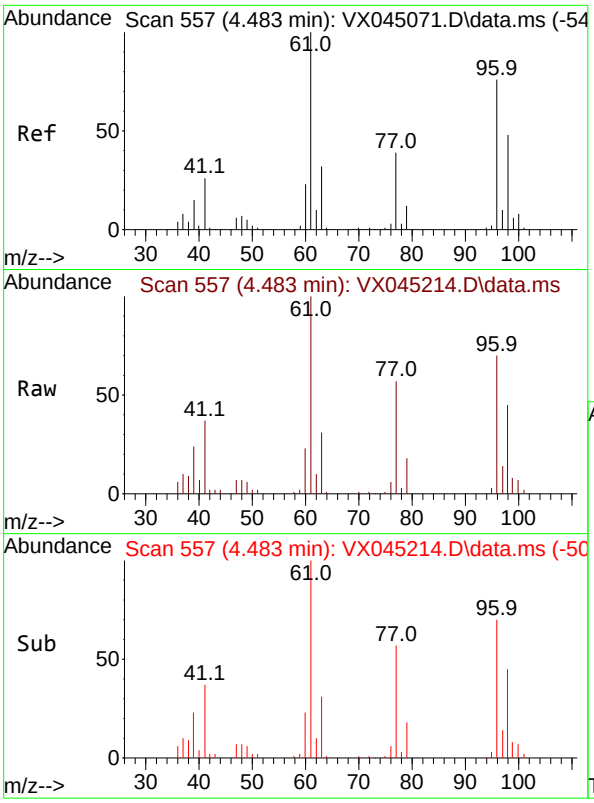


#26
2,2-Dichloropropane
Concen: 28.640 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 77 Resp: 31745

Ion	Ratio	Lower	Upper
77	100		
97	23.1	12.4	37.0



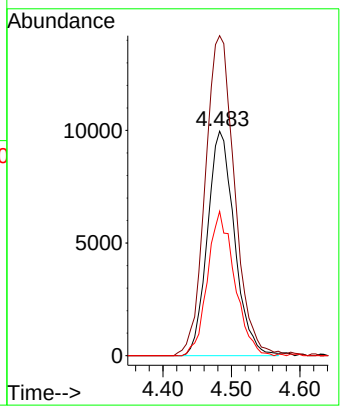


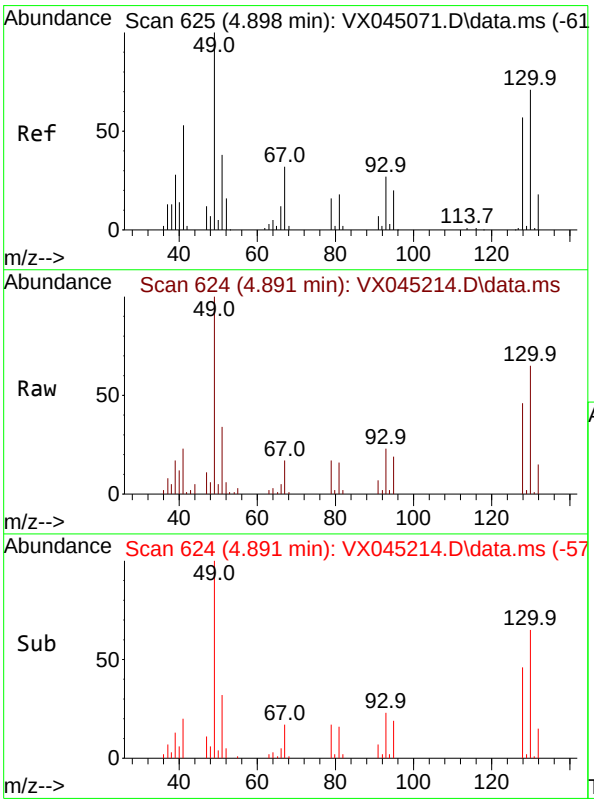
#27
cis-1,2-Dichloroethene
Concen: 19.233 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 96 Resp: 27319

Ion	Ratio	Lower	Upper
96	100		
61	154.7	0.0	283.2
98	64.3	0.0	128.0

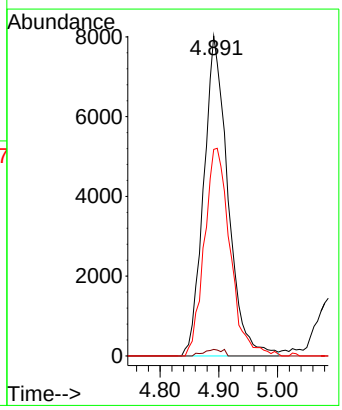


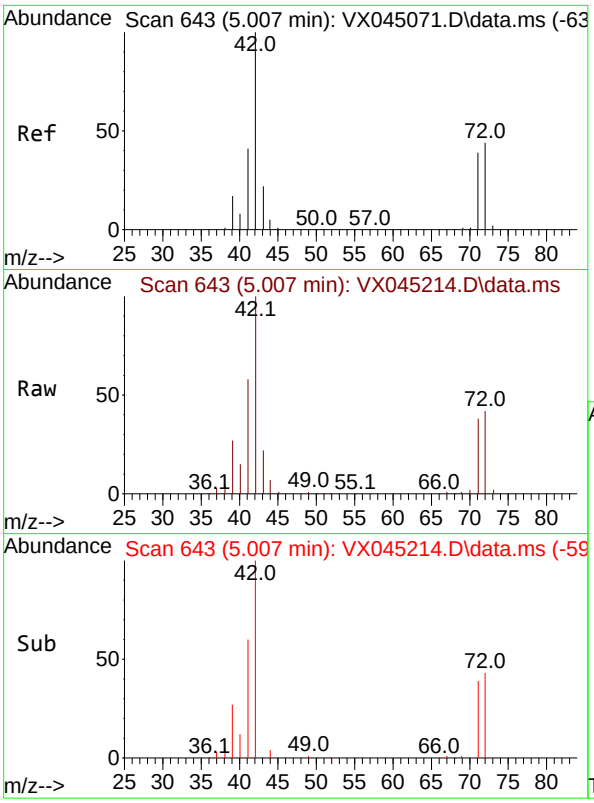


#28
Bromochloromethane
Concen: 20.441 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 49 Resp: 23024

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.8	56.1	84.1



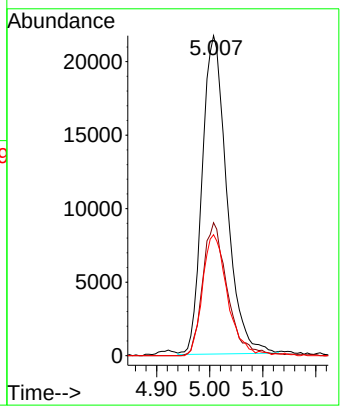


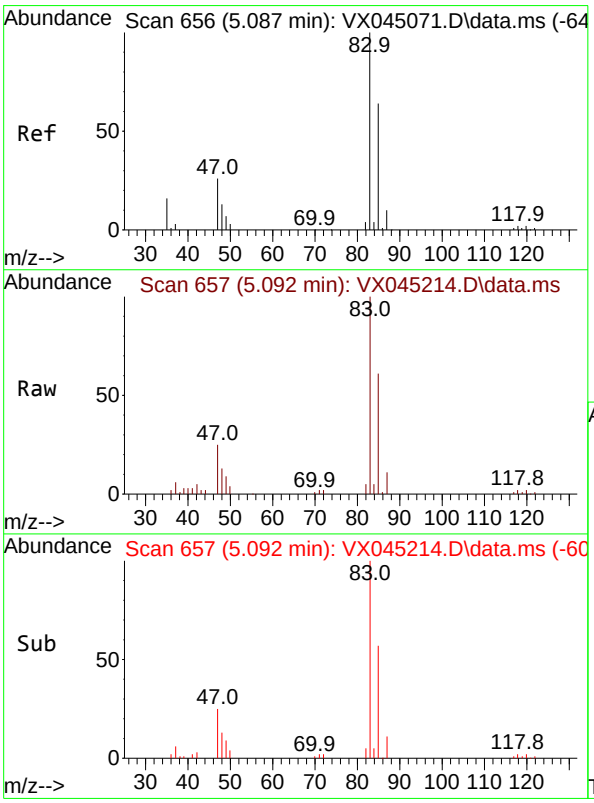
#29
Tetrahydrofuran
Concen: 98.728 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 42 Resp: 69813

Ion	Ratio	Lower	Upper
42	100		
72	42.0	34.1	51.1
71	38.7	31.4	47.0

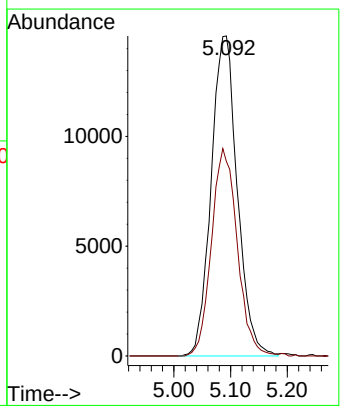


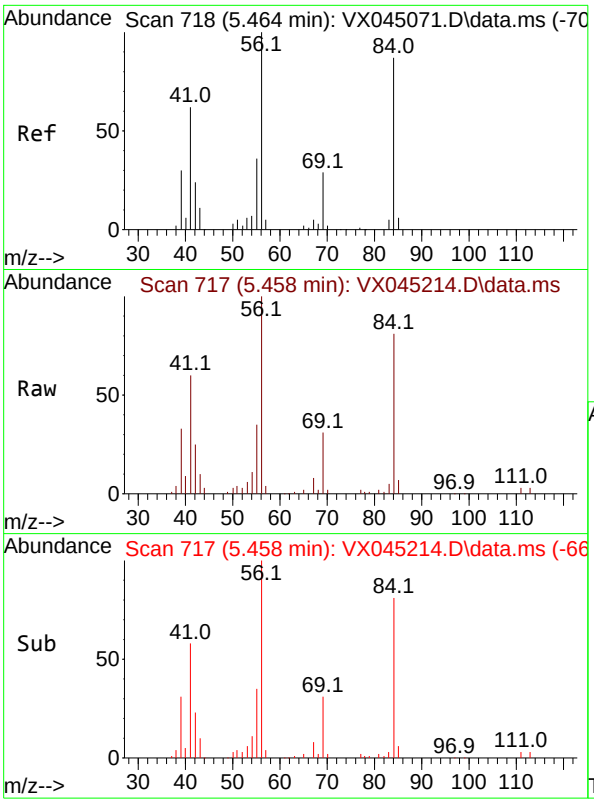


#30
Chloroform
Concen: 19.880 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 83 Resp: 46678

Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.4	77.2



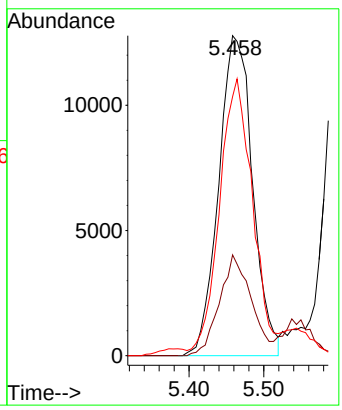


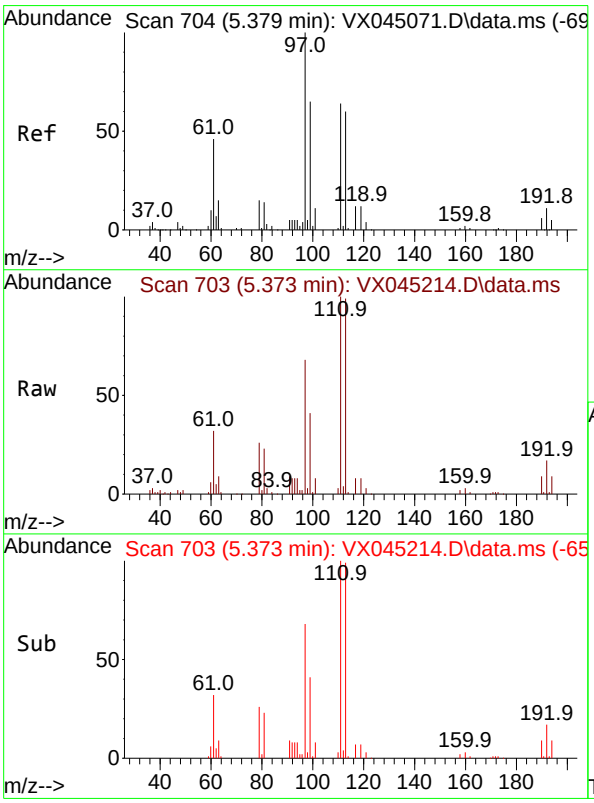
#31
Cyclohexane
Concen: 19.670 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 56 Resp: 40348

Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.4	35.2
84	78.8	69.4	104.2

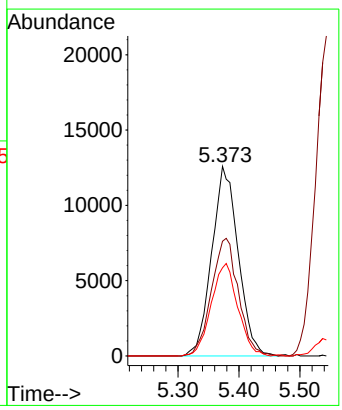


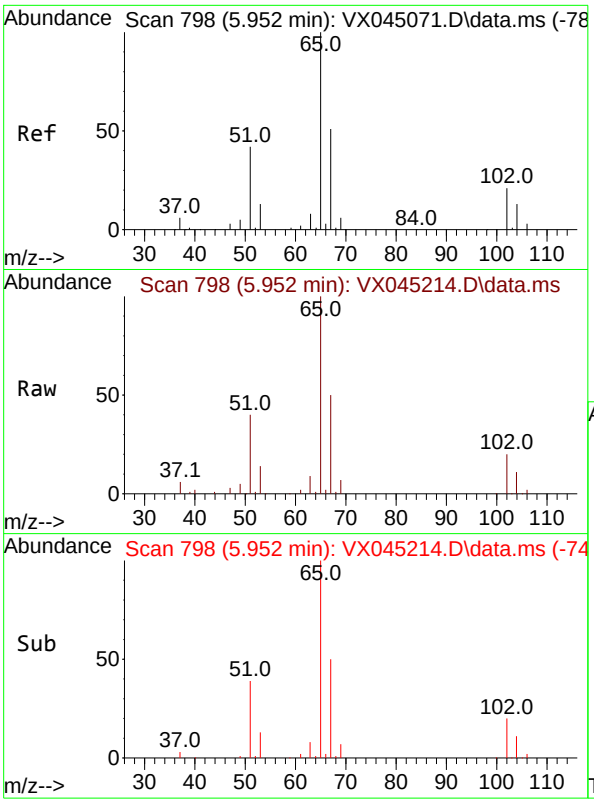


#32
1,1,1-Trichloroethane
Concen: 19.990 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 97 Resp: 37908

Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.6	77.4
61	49.1	38.4	57.6



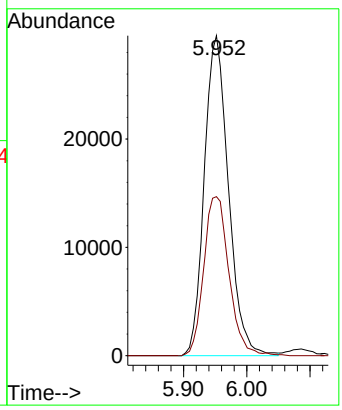


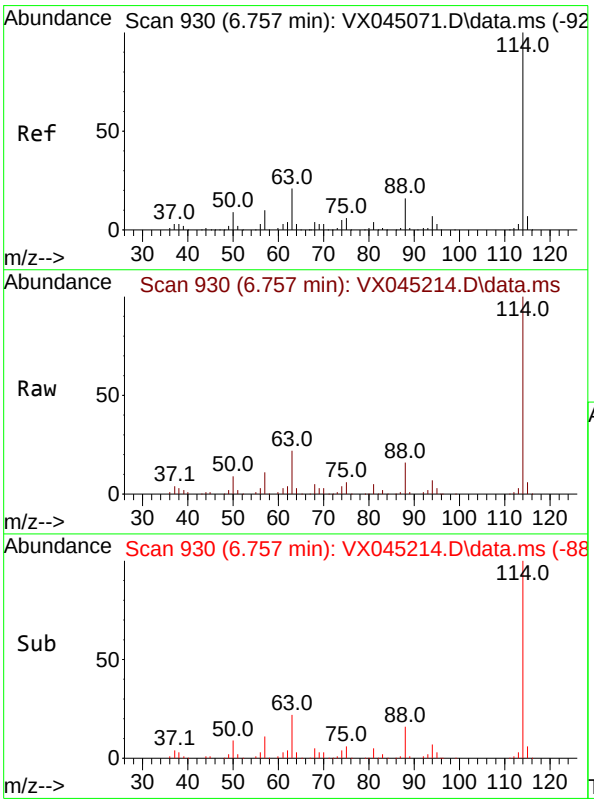
#33
1,2-Dichloroethane-d4
Concen: 52.022 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 65 Resp: 78434

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	106.2

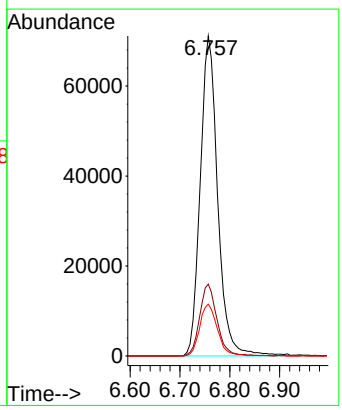


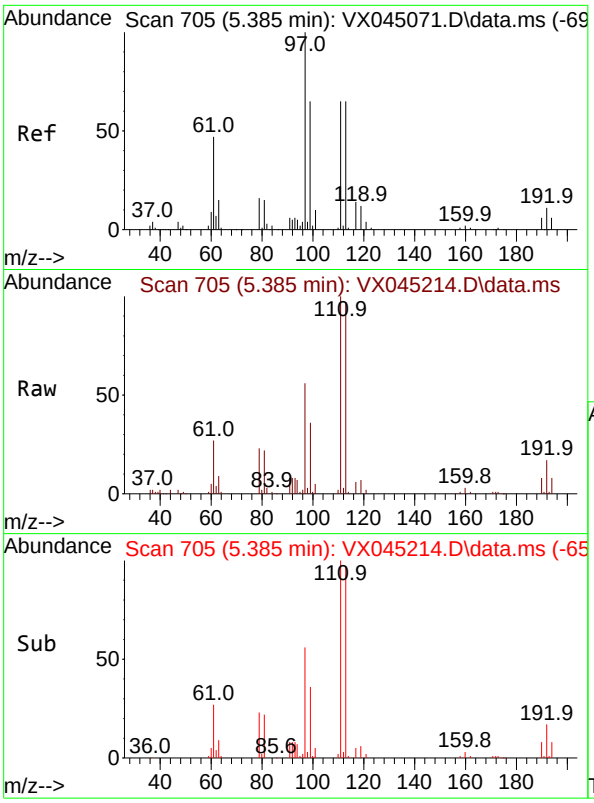


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:114 Resp: 172566

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	41.8
88	16.2	0.0	32.8



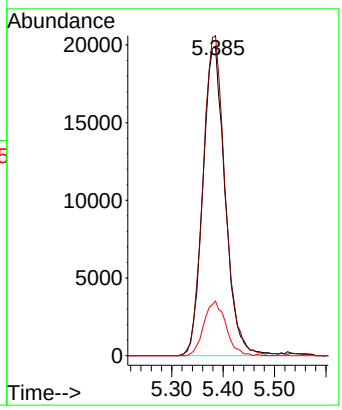


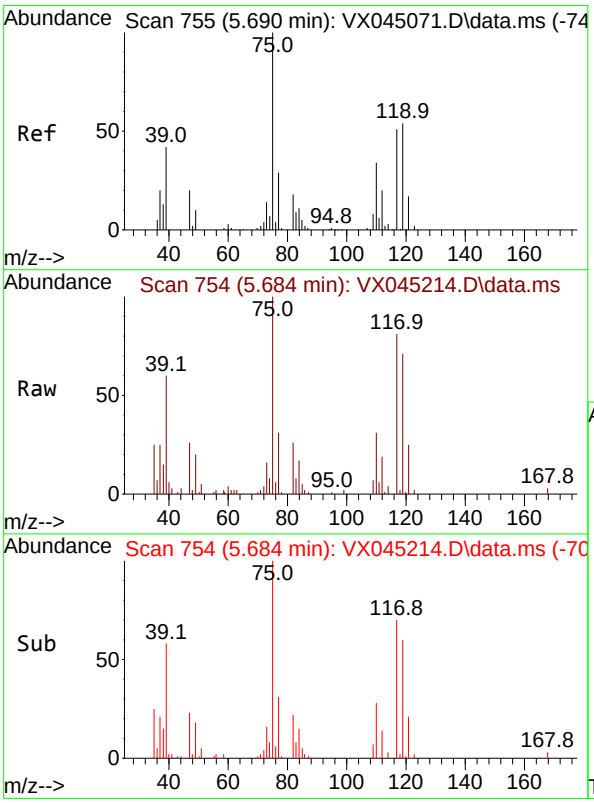
#35
Dibromofluoromethane
Concen: 51.847 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:113 Resp: 59827

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	17.4	14.3	21.5

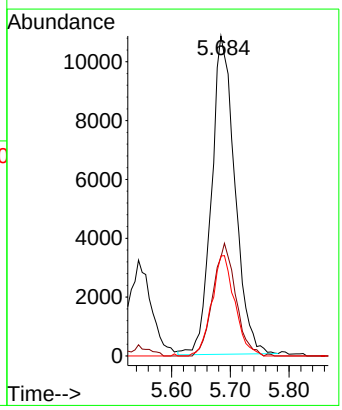


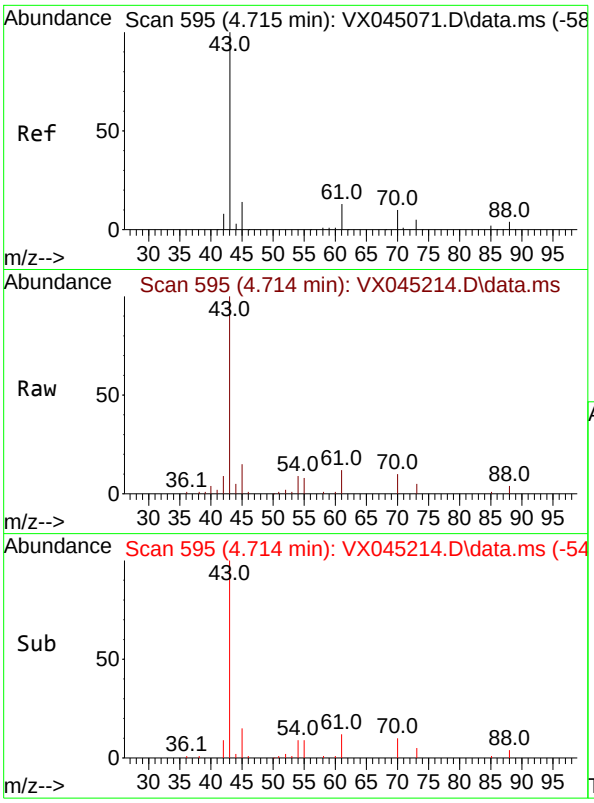


#36
1,1-Dichloropropene
Concen: 18.899 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 75 Resp: 29907

Ion	Ratio	Lower	Upper
75	100		
110	34.4	16.9	50.6
77	31.1	24.5	36.7



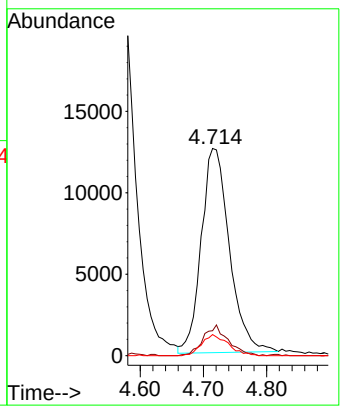


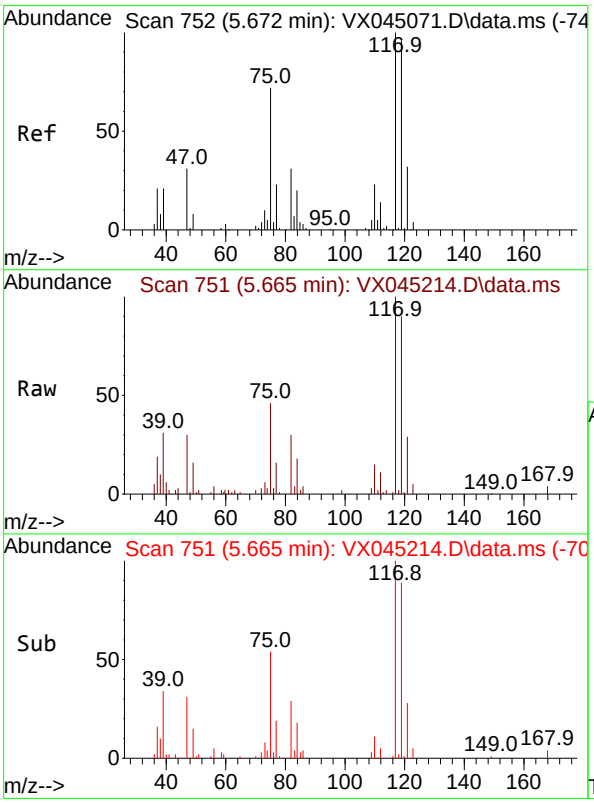
#37
Ethyl Acetate
Concen: 19.054 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 43 Resp: 38853

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.8	16.2
70	9.7	7.7	11.5

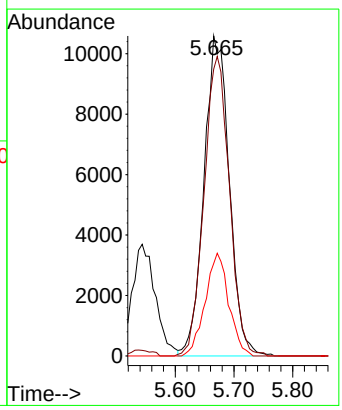


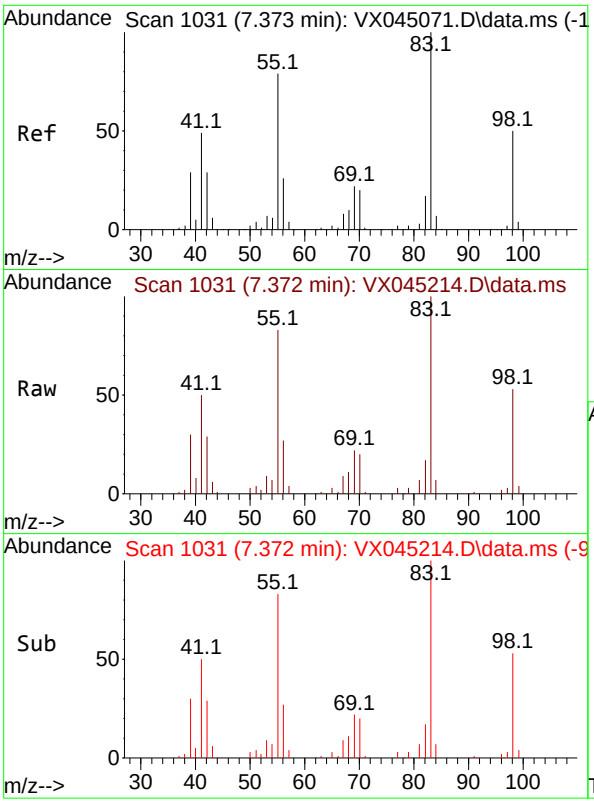


#38
Carbon Tetrachloride
Concen: 19.746 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:117 Resp: 31723

Ion	Ratio	Lower	Upper
117	100		
119	89.6	76.7	115.1
121	28.9	25.5	38.3



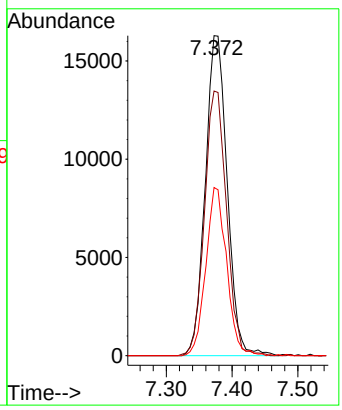


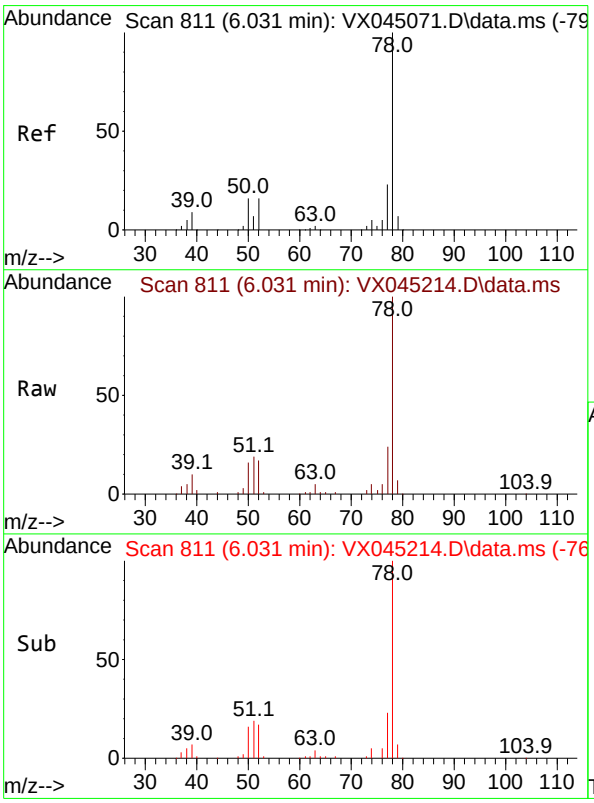
#39
Methylcyclohexane
Concen: 19.935 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 83 Resp: 37800

Ion	Ratio	Lower	Upper
83	100		
55	82.7	63.0	94.4
98	52.6	39.7	59.5

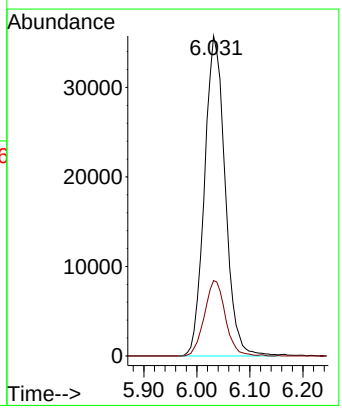


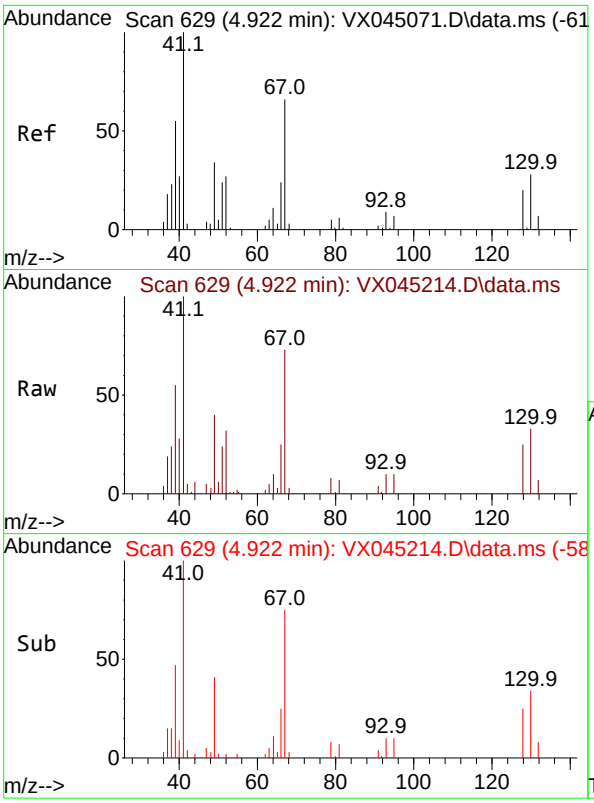


#40
Benzene
Concen: 19.364 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 78 Resp: 96762

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



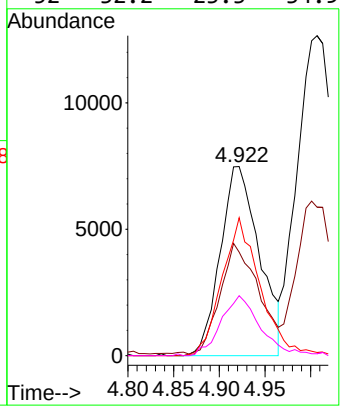


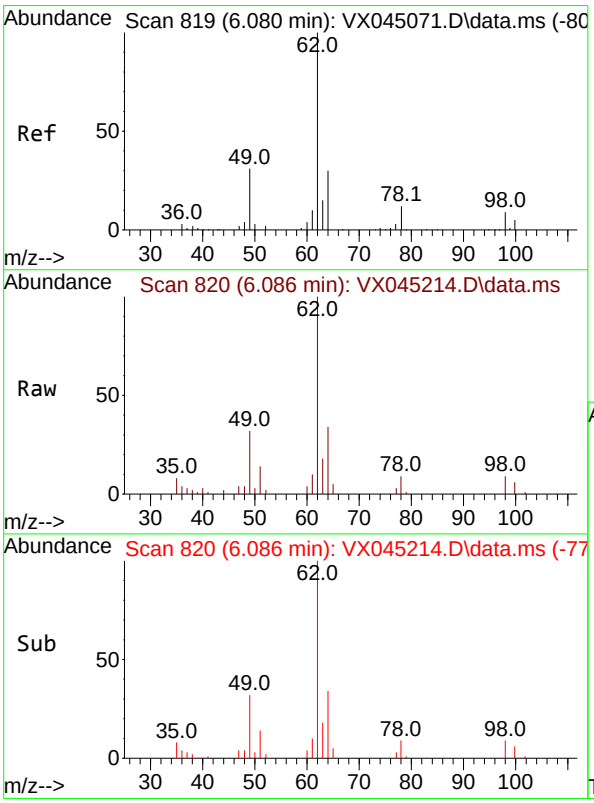
#41
Methacrylonitrile
Concen: 20.240 ug/l
RT: 4.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 41 Resp: 22316

Ion	Ratio	Lower	Upper
41	100		
39	57.4	44.6	67.0
67	71.1	53.9	80.9
52	32.2	23.3	34.9

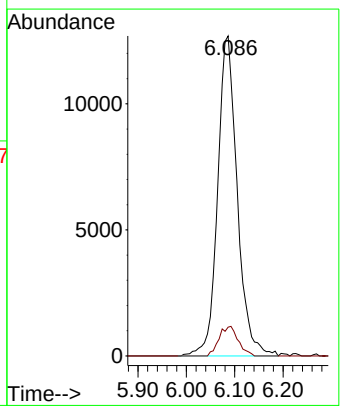


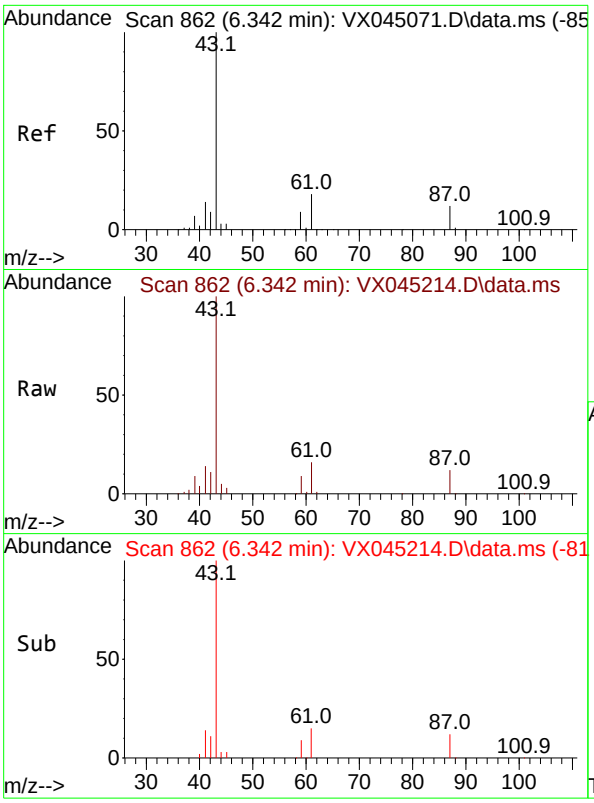


#42
1,2-Dichloroethane
Concen: 19.836 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 62 Resp: 35693

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



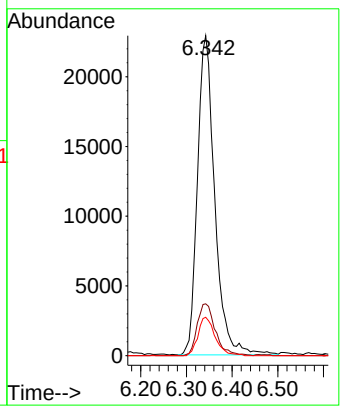


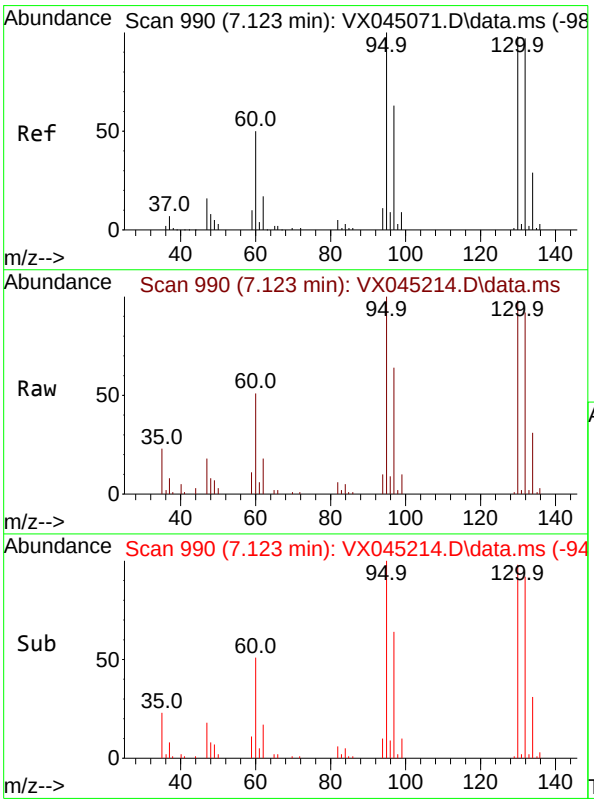
#43
Isopropyl Acetate
Concen: 20.011 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 43 Resp: 60338

Ion	Ratio	Lower	Upper
43	100		
61	17.1	14.9	22.3
87	12.0	9.4	14.2

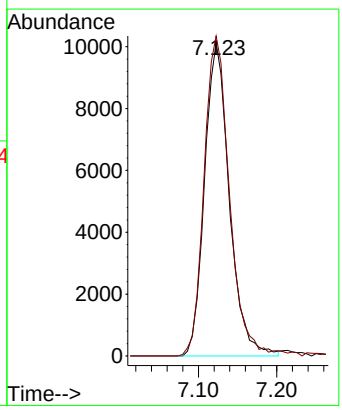


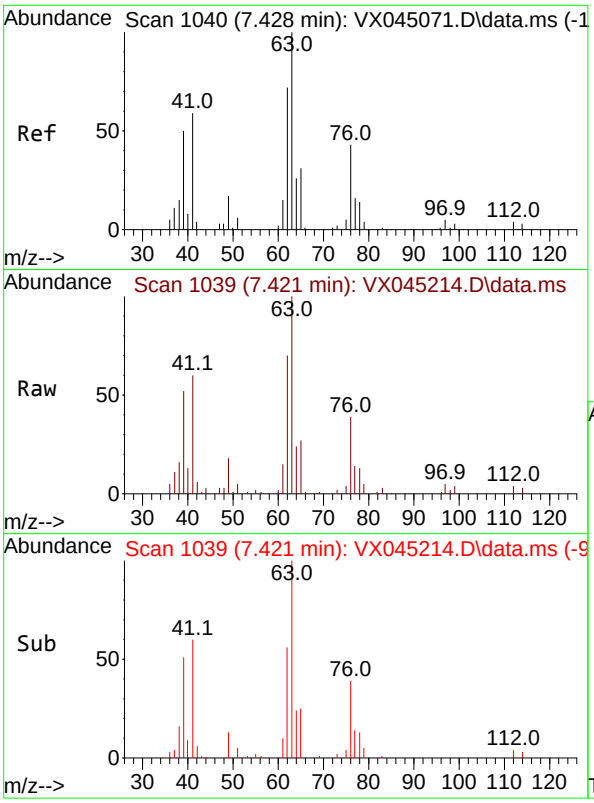


#44
Trichloroethene
Concen: 18.944 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:130 Resp: 22228

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	205.0



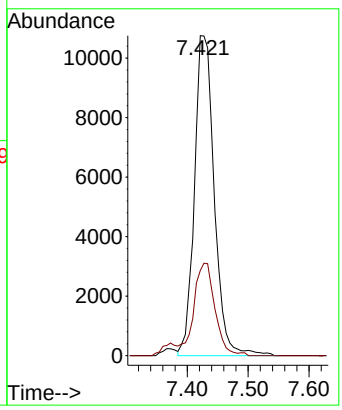


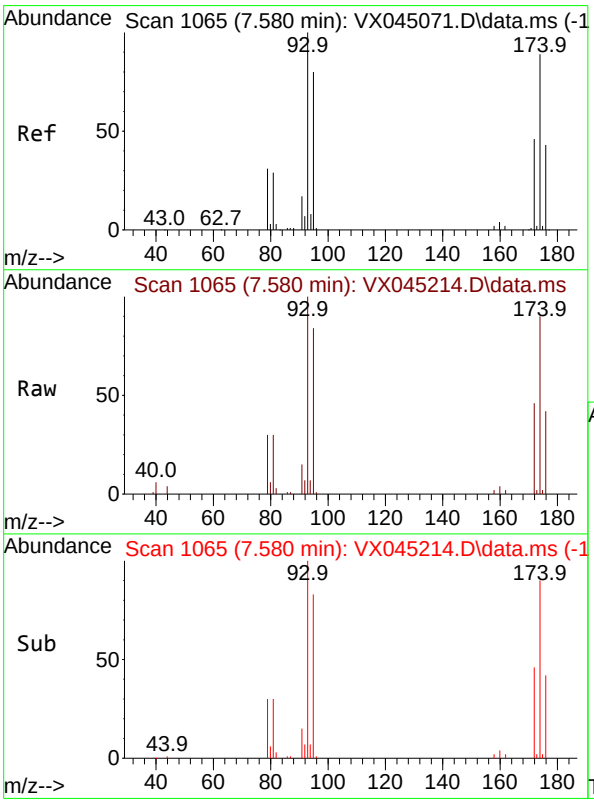
#45
1,2-Dichloropropane
Concen: 18.936 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 63 Resp: 24329

Ion	Ratio	Lower	Upper
63	100		
65	26.6	24.7	37.1

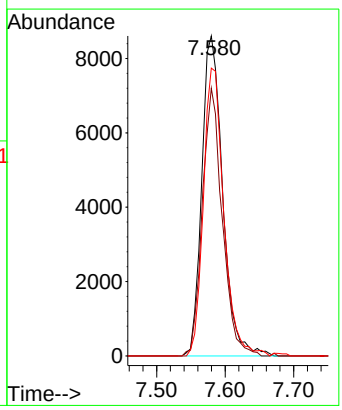


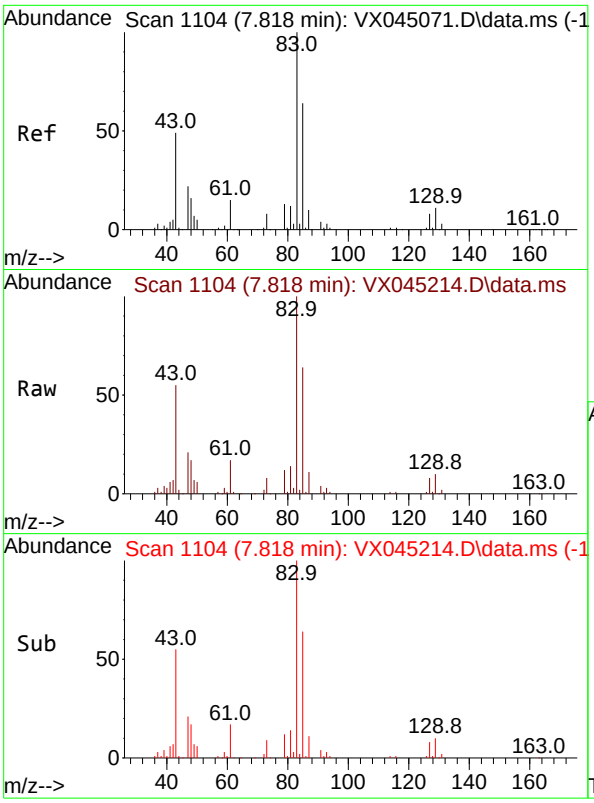


#46
Dibromomethane
Concen: 20.132 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 93 Resp: 18282

Ion	Ratio	Lower	Upper
93	100		
95	79.8	65.8	98.8
174	87.9	72.2	108.2



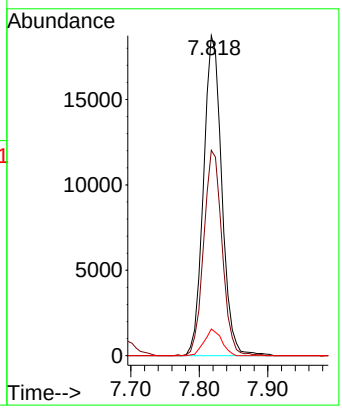


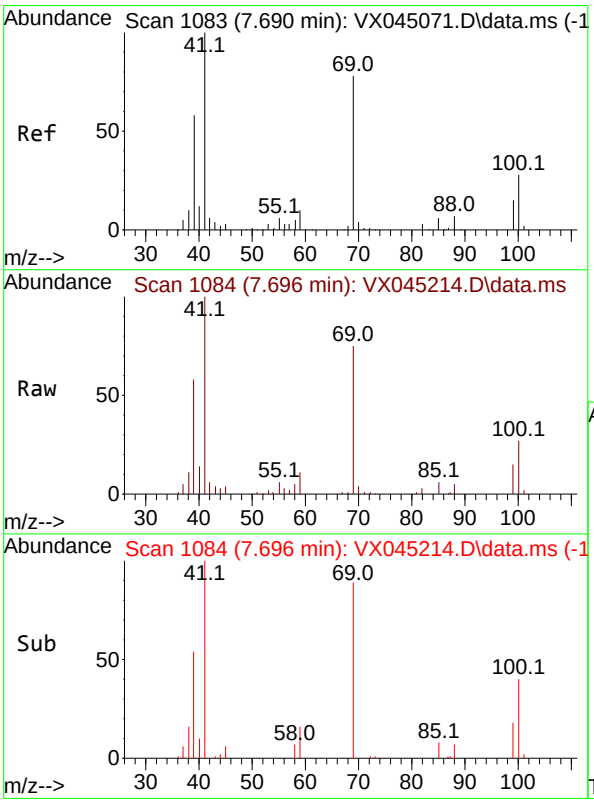
#47
Bromodichloromethane
Concen: 19.571 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 83 Resp: 34860

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.1	76.7
127	8.3	6.4	9.6

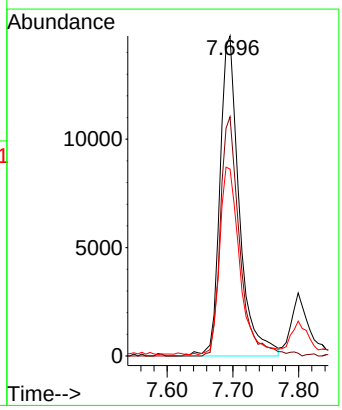


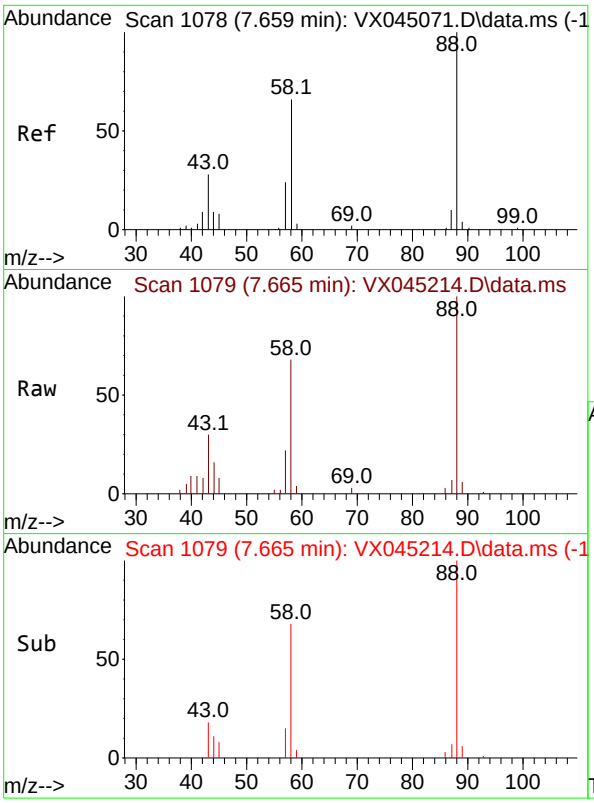


#48
Methyl methacrylate
Concen: 19.905 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 41 Resp: 30110

Ion	Ratio	Lower	Upper
41	100		
69	73.9	63.0	94.6
39	61.1	47.5	71.3



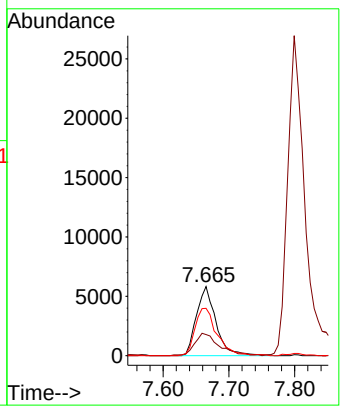


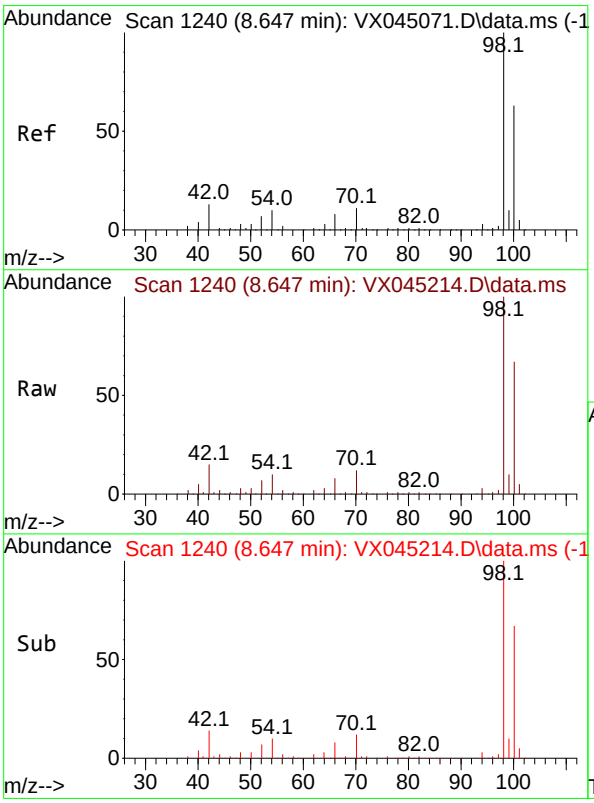
#49
1,4-Dioxane
Concen: 376.974 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 88 Resp: 12029

Ion	Ratio	Lower	Upper
88	100		
43	40.5	28.7	43.1
58	76.0	55.8	83.8

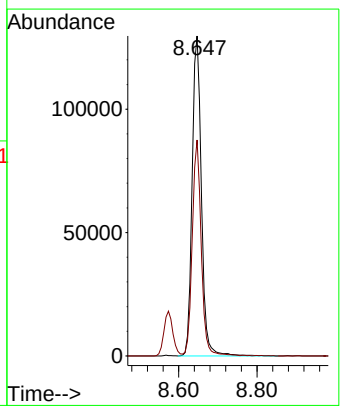


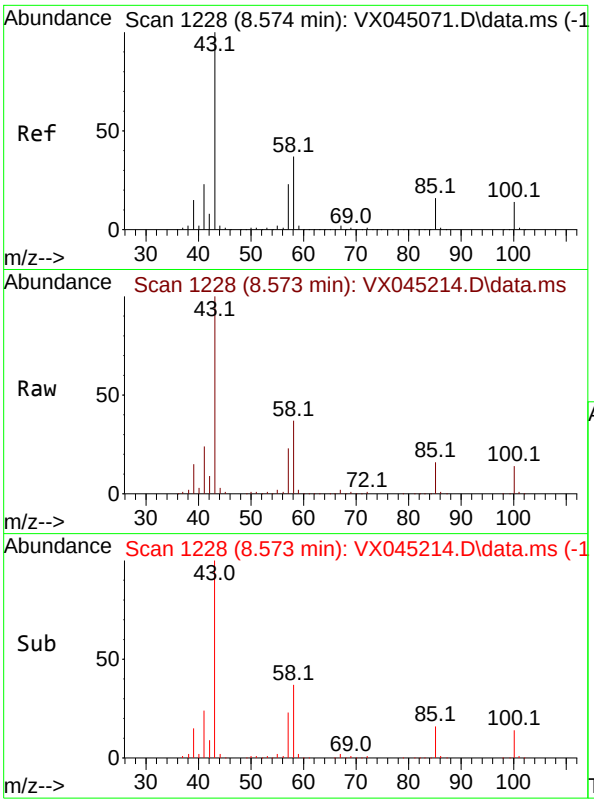


#50
Toluene-d8
Concen: 51.200 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 98 Resp: 214187

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0



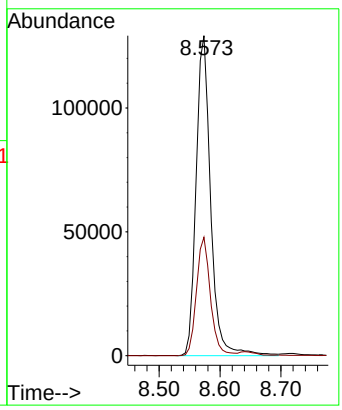


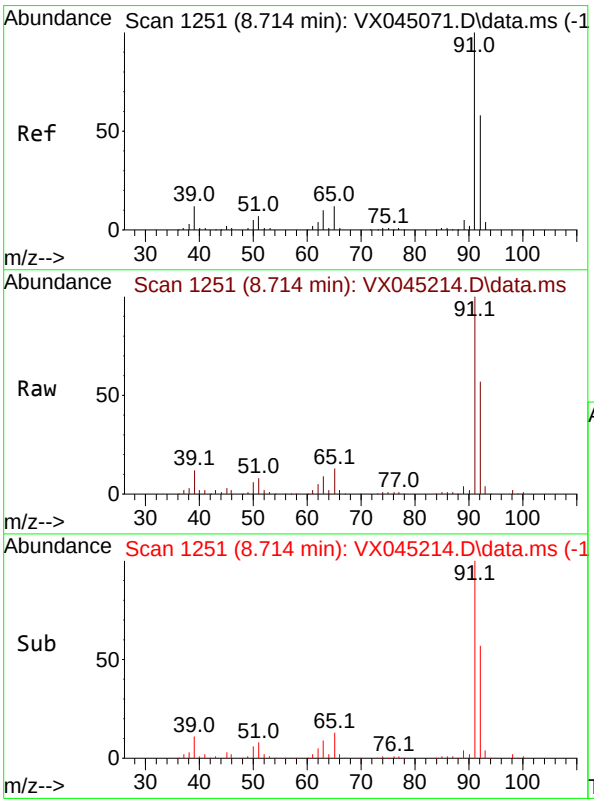
#51
4-Methyl-2-Pentanone
Concen: 105.932 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 43 Resp: 214467

Ion	Ratio	Lower	Upper
43	100		
58	35.7	29.2	43.8

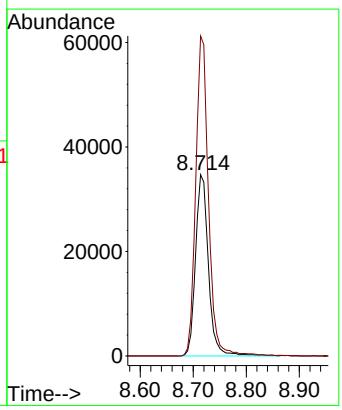


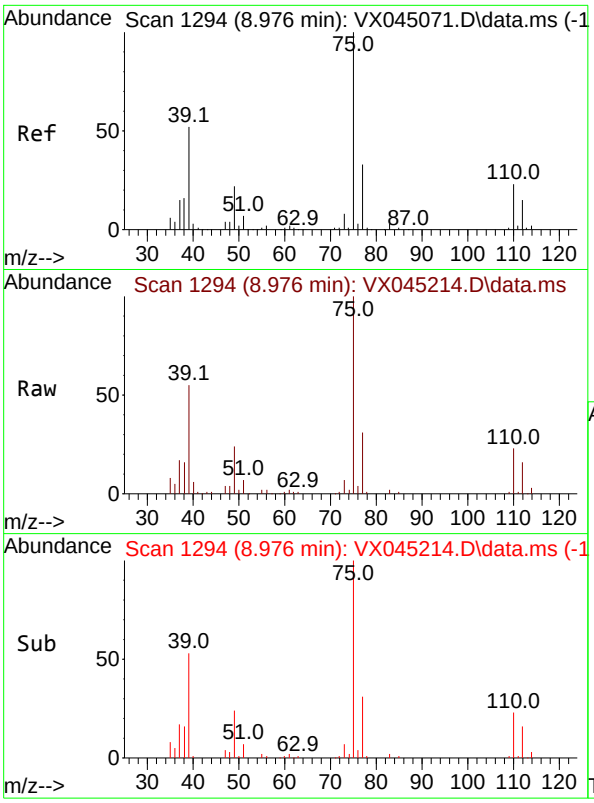


#52
Toluene
Concen: 20.030 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 92 Resp: 58726

Ion	Ratio	Lower	Upper
92	100		
91	174.6	138.9	208.3



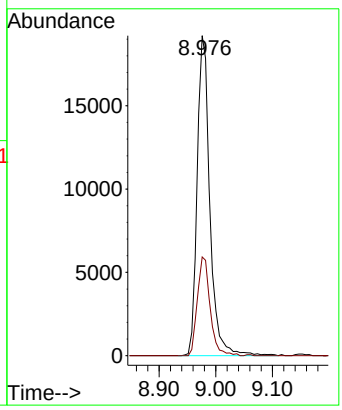


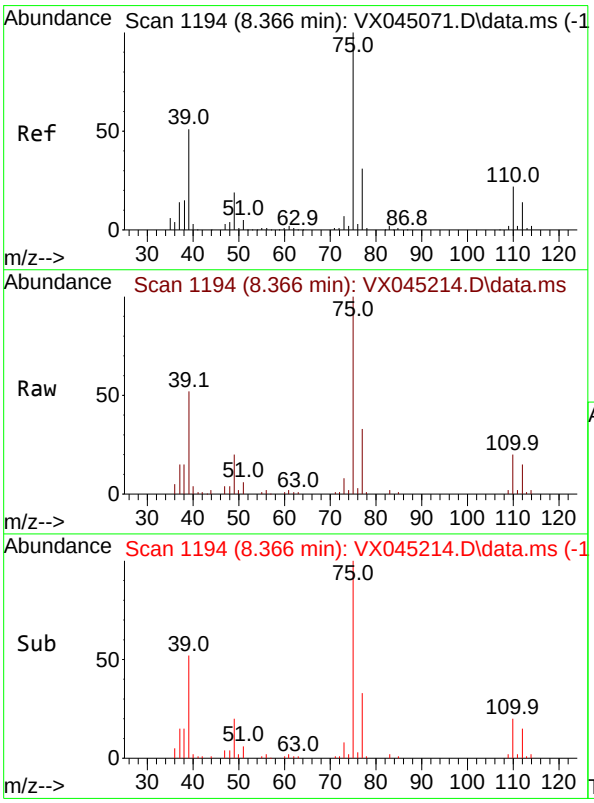
#53
t-1,3-Dichloropropene
Concen: 20.021 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 75 Resp: 29814

Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.5	39.7

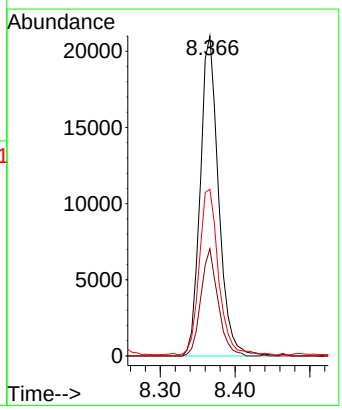


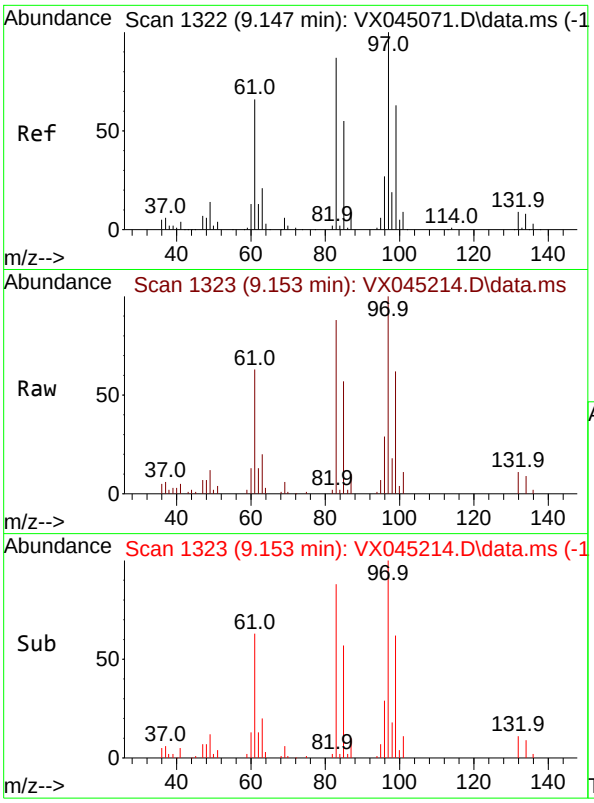


#54
cis-1,3-Dichloropropene
Concen: 20.578 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 75 Resp: 35732

Ion	Ratio	Lower	Upper
75	100		
77	33.5	24.7	37.1
39	51.8	40.7	61.1



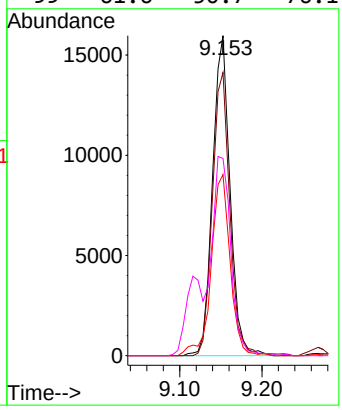


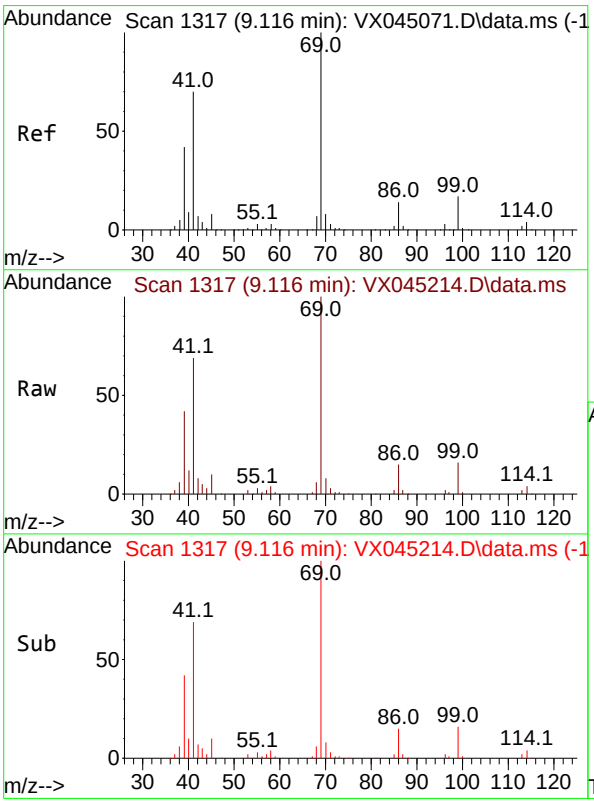
#55
1,1,2-Trichloroethane
Concen: 19.483 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 97 Resp: 23516

Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.4	104.2
85	56.6	44.1	66.1
99	61.6	50.7	76.1

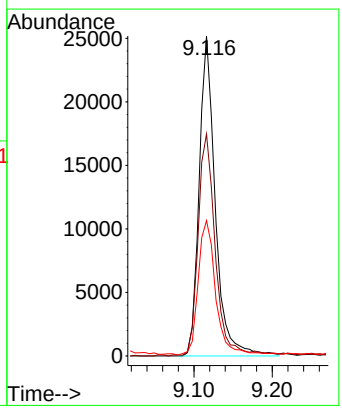


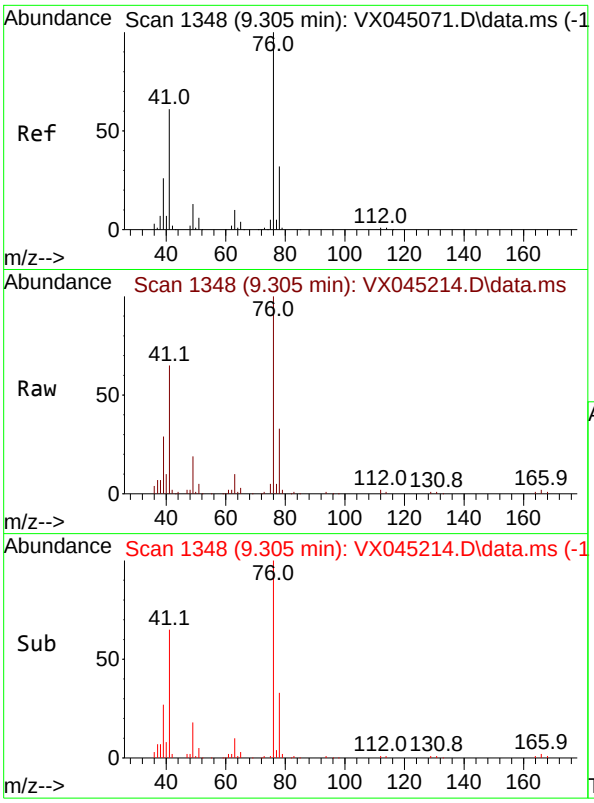


#56
Ethyl methacrylate
Concen: 19.616 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 69 Resp: 35989

Ion	Ratio	Lower	Upper
69	100		
41	74.9	57.0	85.4
39	45.8	34.2	51.4



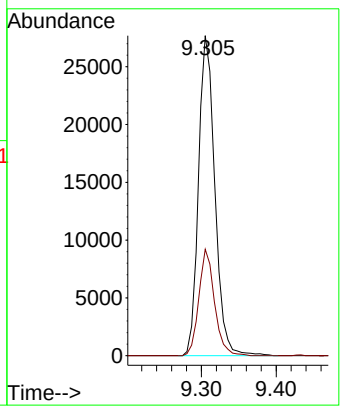


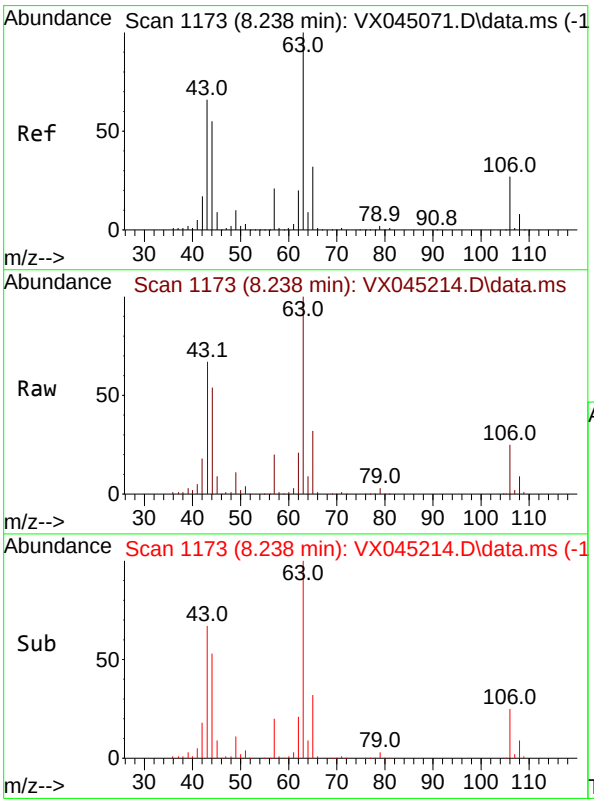
#57
1,3-Dichloropropane
Concen: 20.124 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 76 Resp: 42034

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

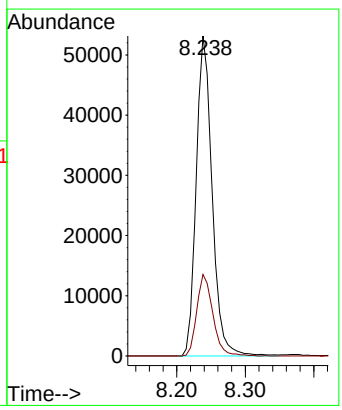


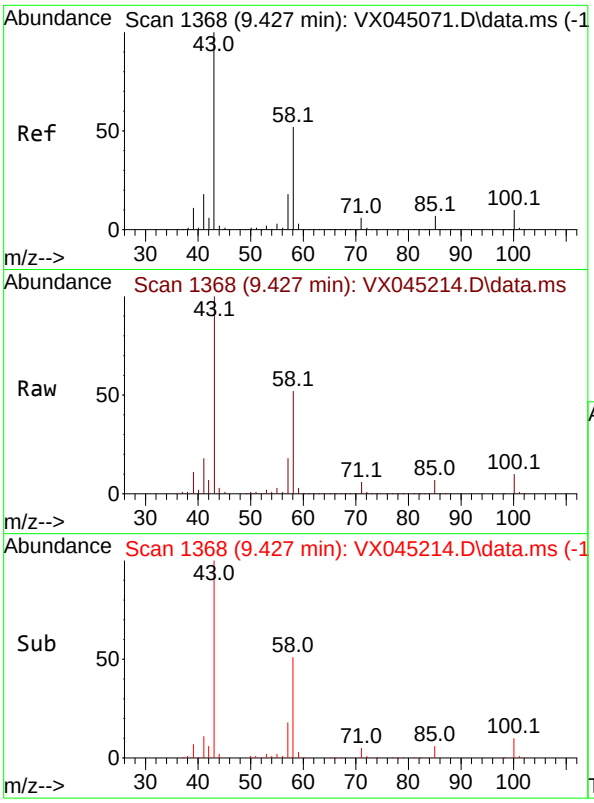


#58
2-Chloroethyl Vinyl ether
Concen: 96.201 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 63 Resp: 86098

Ion	Ratio	Lower	Upper
63	100		
106	25.6	21.5	32.3



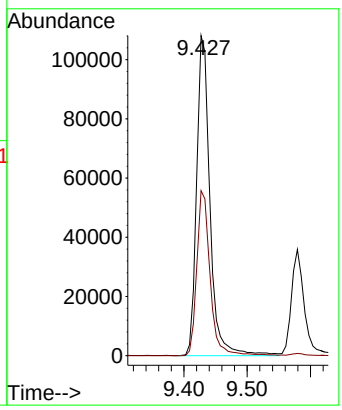


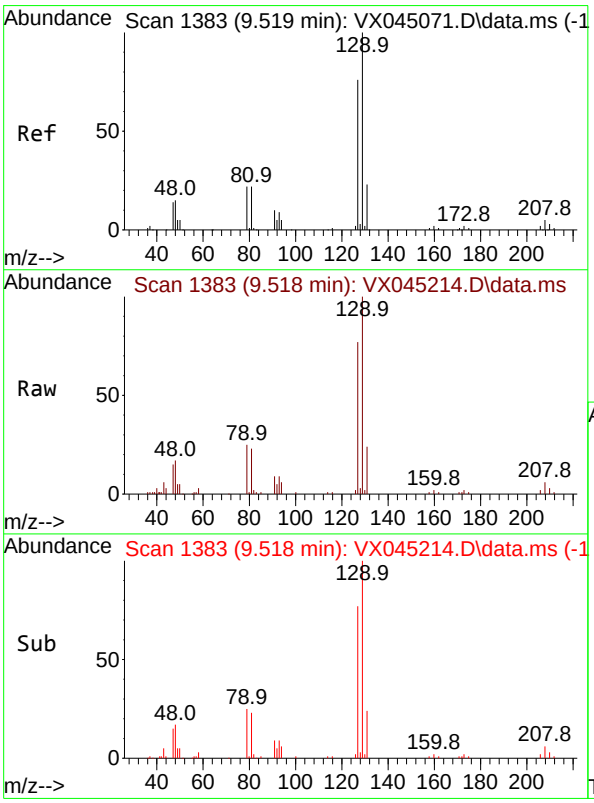
#59
2-Hexanone
Concen: 108.556 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 43 Resp: 159240

Ion	Ratio	Lower	Upper
43	100		
58	51.5	25.9	77.6

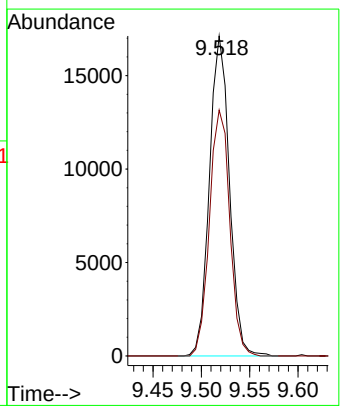


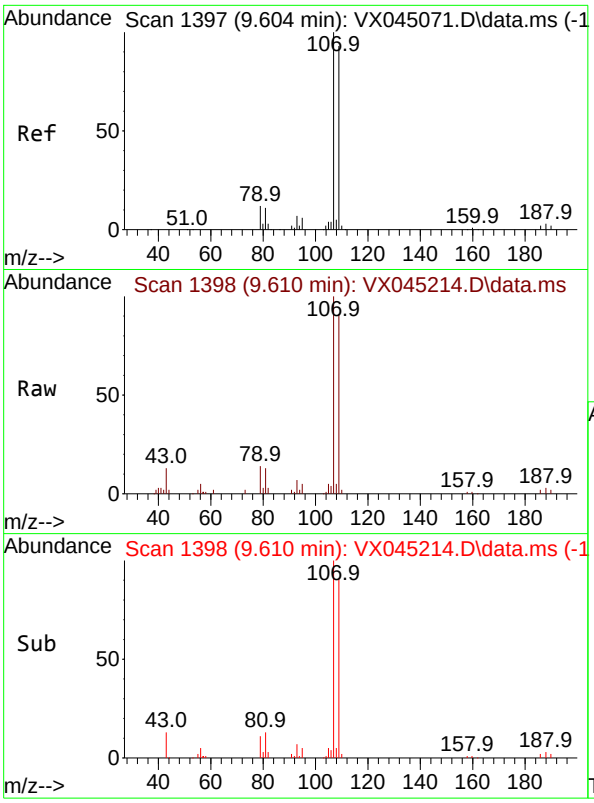


#60
Dibromochloromethane
Concen: 19.524 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:129 Resp: 24640

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.5



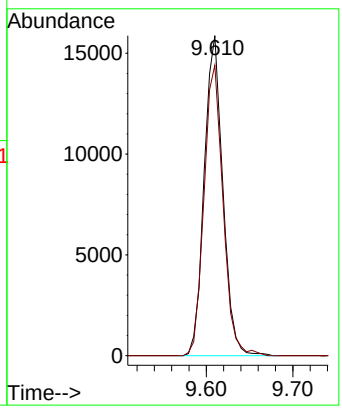


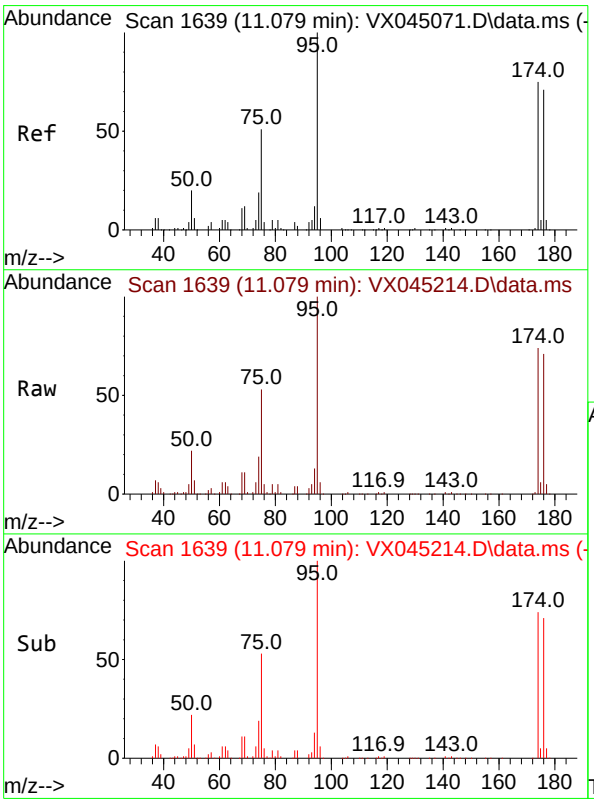
#61
1,2-Dibromoethane
Concen: 19.647 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:107 Resp: 23673

Ion	Ratio	Lower	Upper
107	100		
109	92.7	76.1	114.1

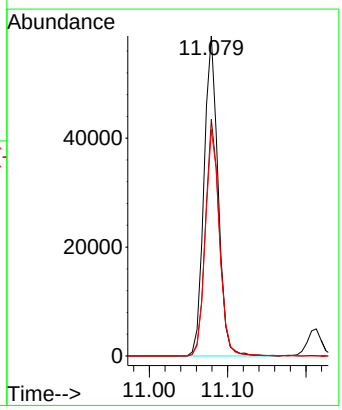


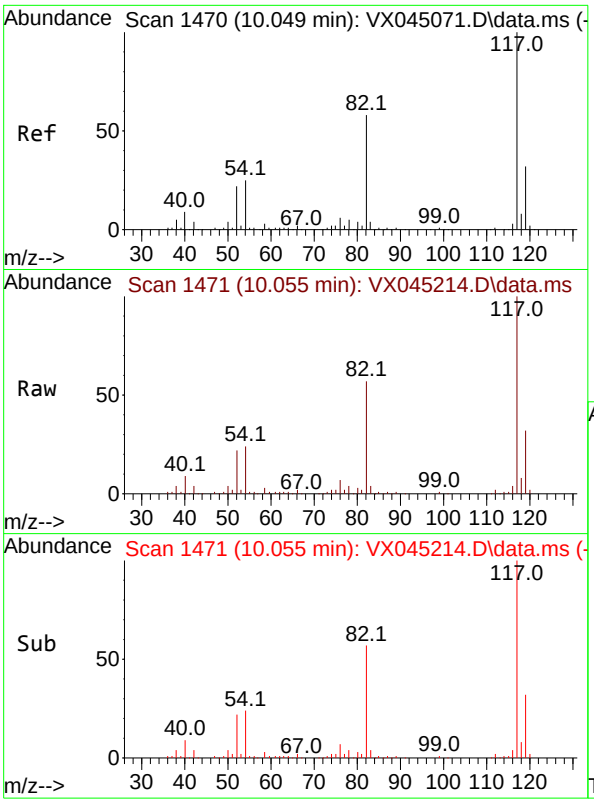


#62
4-Bromofluorobenzene
Concen: 52.930 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 95 Resp: 73373

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	148.2
176	70.8	0.0	141.4



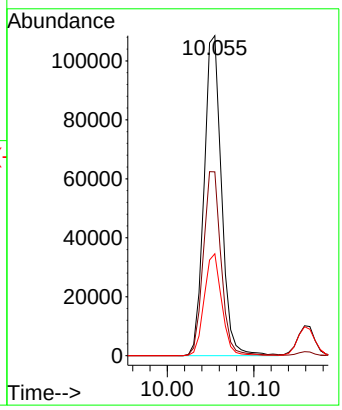


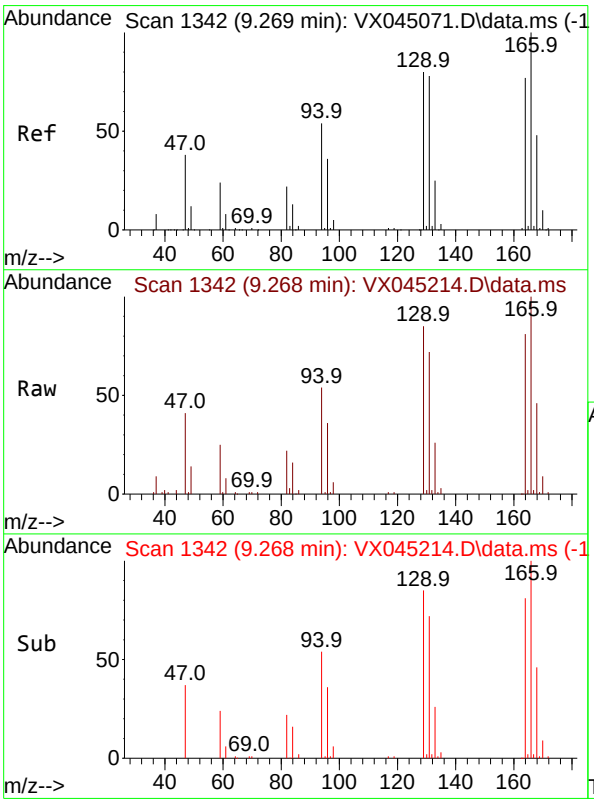
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:117 Resp: 151770

Ion	Ratio	Lower	Upper
117	100		
82	57.4	46.3	69.5
119	31.9	25.7	38.5

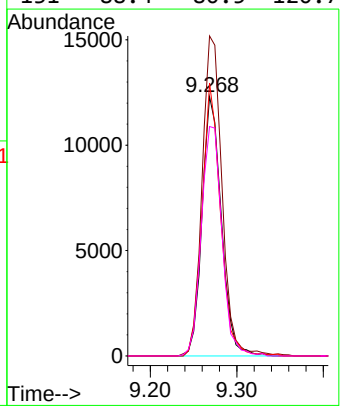


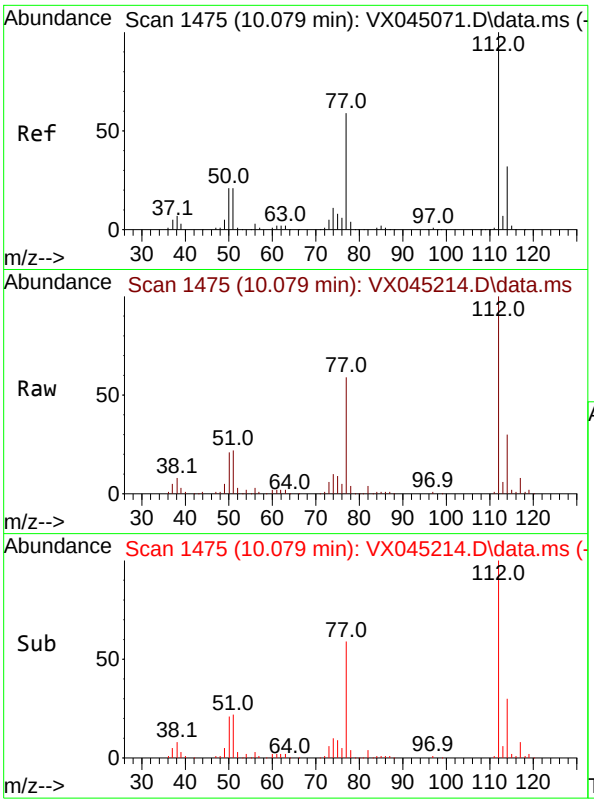


#64
Tetrachloroethene
Concen: 19.537 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:164 Resp: 18990

Ion	Ratio	Lower	Upper
164	100		
166	123.4	103.6	155.4
129	105.2	82.7	124.1
131	88.4	80.5	120.7



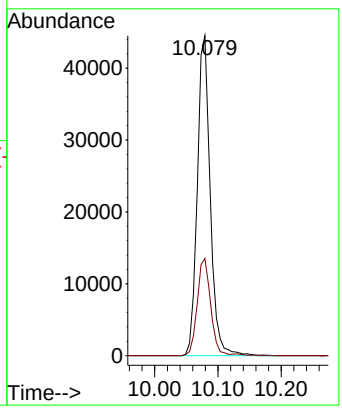


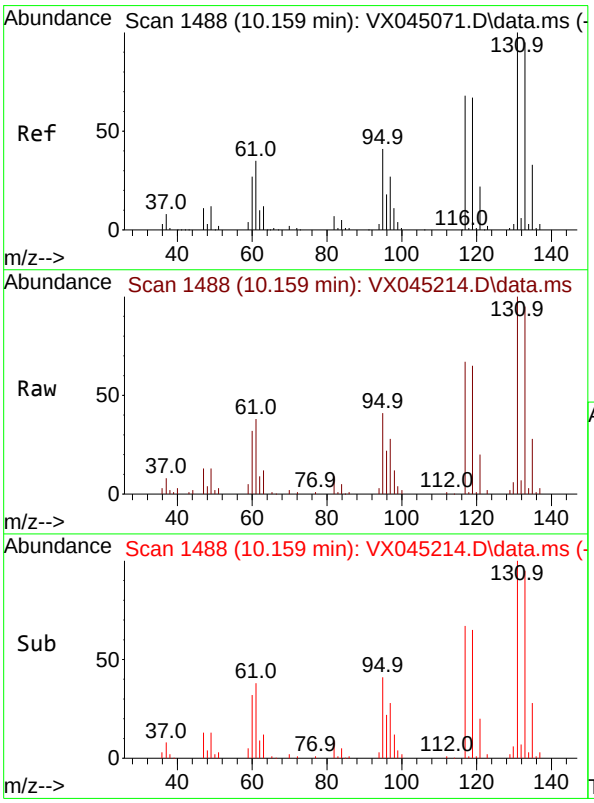
#65
Chlorobenzene
Concen: 19.739 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:112 Resp: 63389

Ion	Ratio	Lower	Upper
112	100		
114	30.3	26.0	39.0

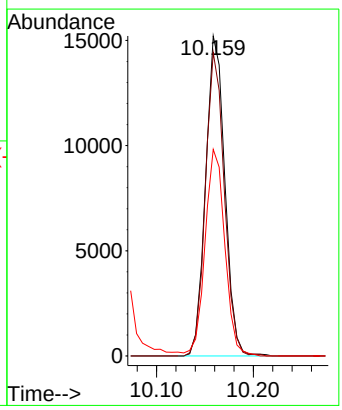


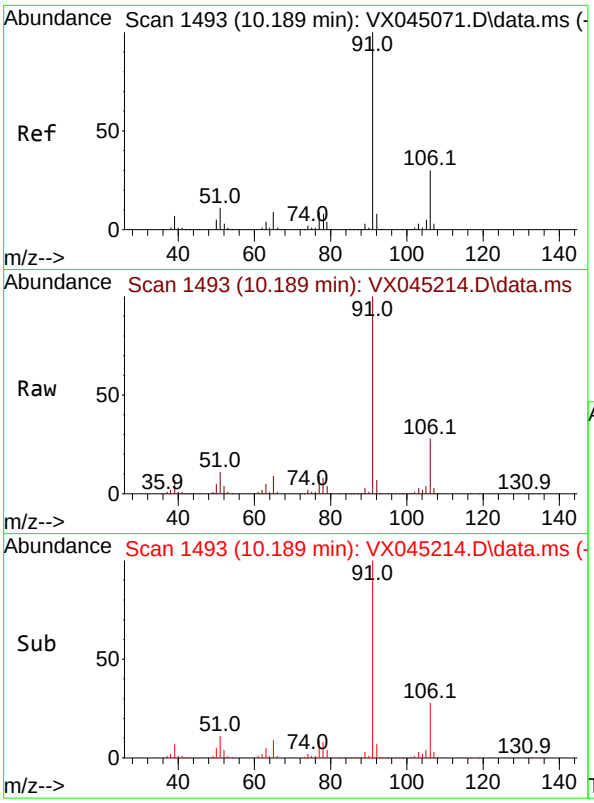


#66
1,1,1,2-Tetrachloroethane
Concen: 19.659 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:131 Resp: 21025

Ion	Ratio	Lower	Upper
131	100		
133	93.4	48.6	145.9
119	66.2	33.9	101.7



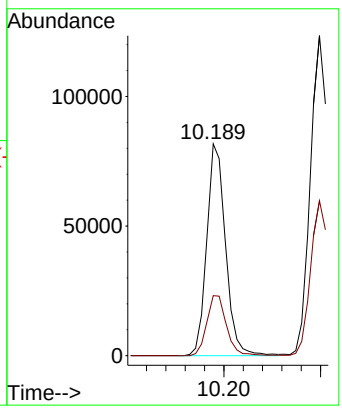


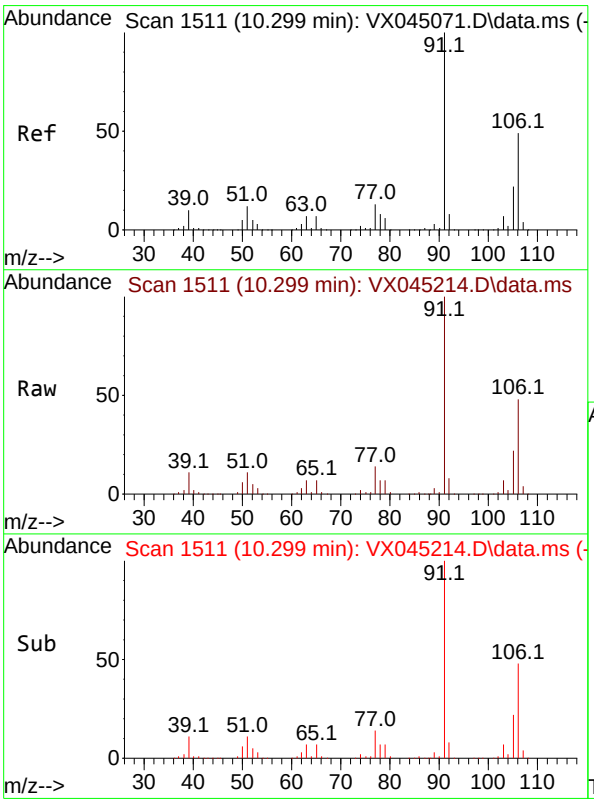
#67
Ethyl Benzene
Concen: 19.770 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 91 Resp: 110625

Ion	Ratio	Lower	Upper
91	100		
106	28.4	23.9	35.9

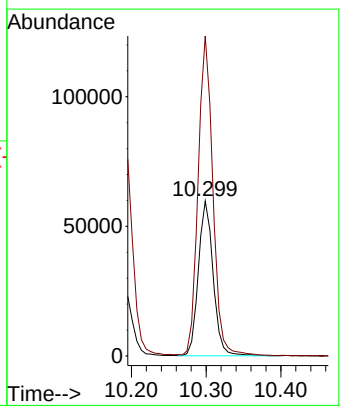


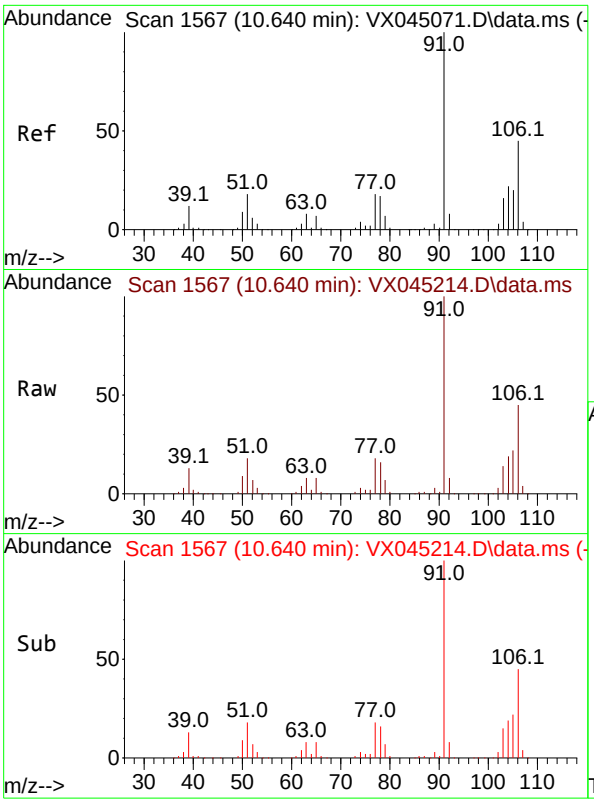


#68
m/p-Xylenes
Concen: 40.069 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:106 Resp: 82080

Ion	Ratio	Lower	Upper
106	100		
91	206.1	165.4	248.0



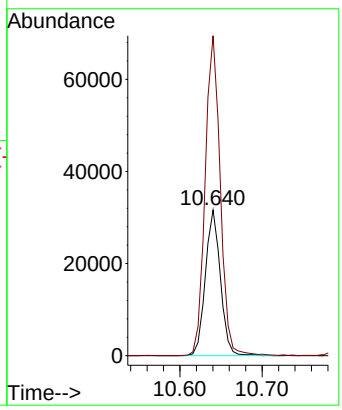


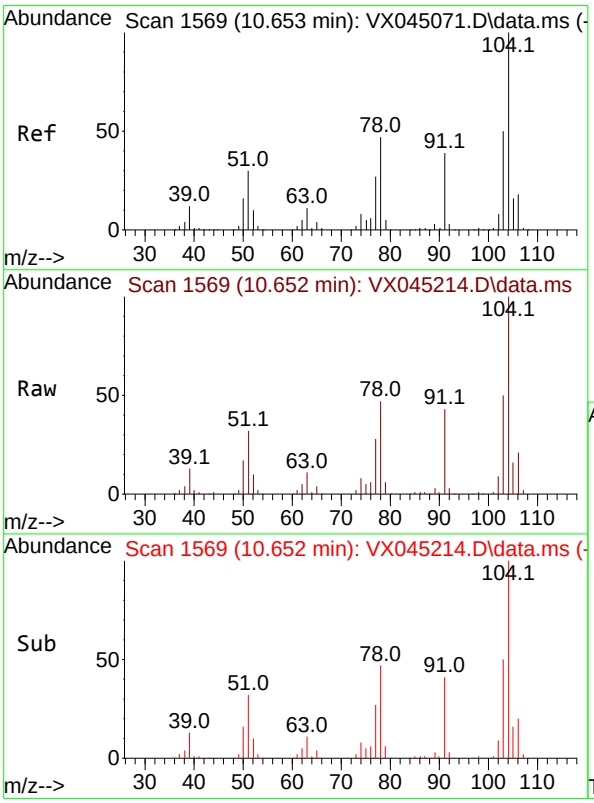
#69
o-Xylene
Concen: 19.413 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:106 Resp: 40108

Ion	Ratio	Lower	Upper
106	100		
91	221.5	109.9	329.6

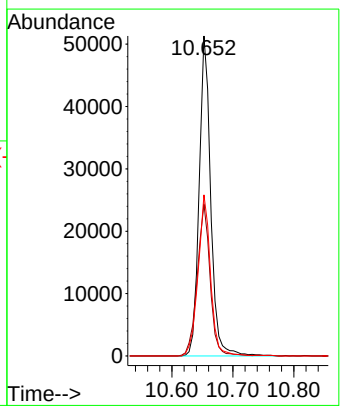


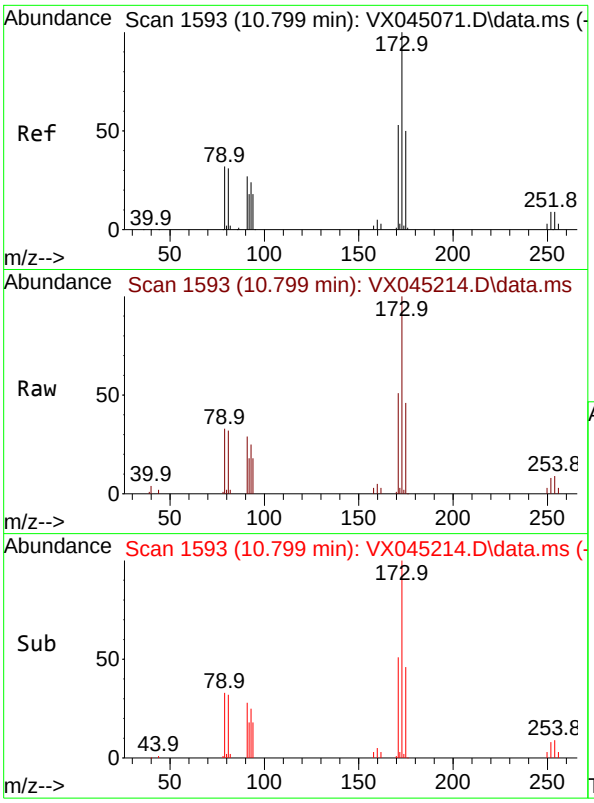


#70
Styrene
Concen: 20.260 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:104 Resp: 67728

Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.2	63.4
103	54.3	43.8	65.8



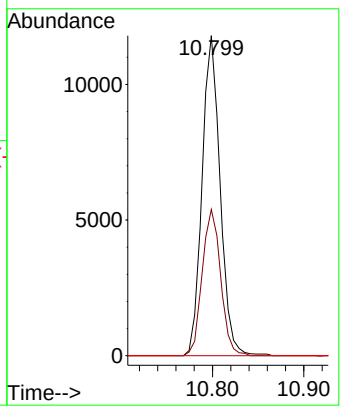


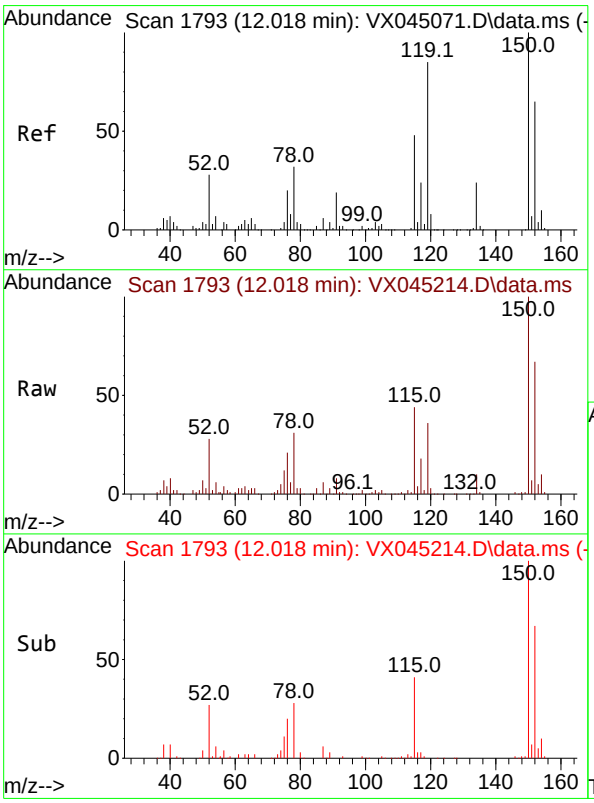
#71
Bromoform
Concen: 20.029 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:173 Resp: 16153

Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.6	73.6
254	0.0	0.0	0.0

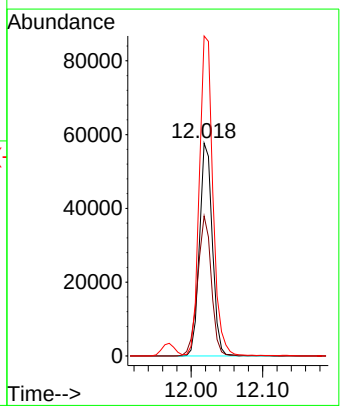


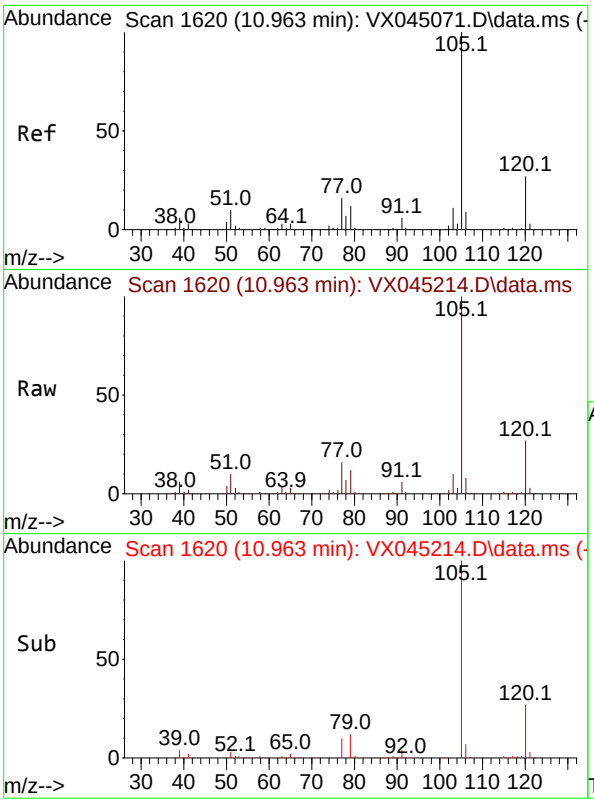


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:152 Resp: 71836

Ion	Ratio	Lower	Upper
152	100		
115	69.9	44.2	132.6
150	159.1	0.0	349.0



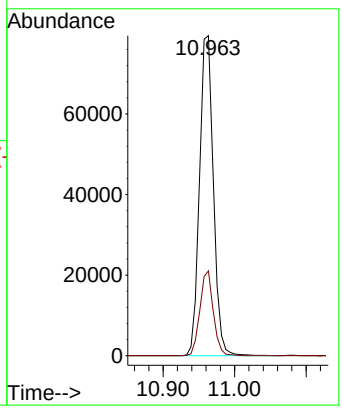


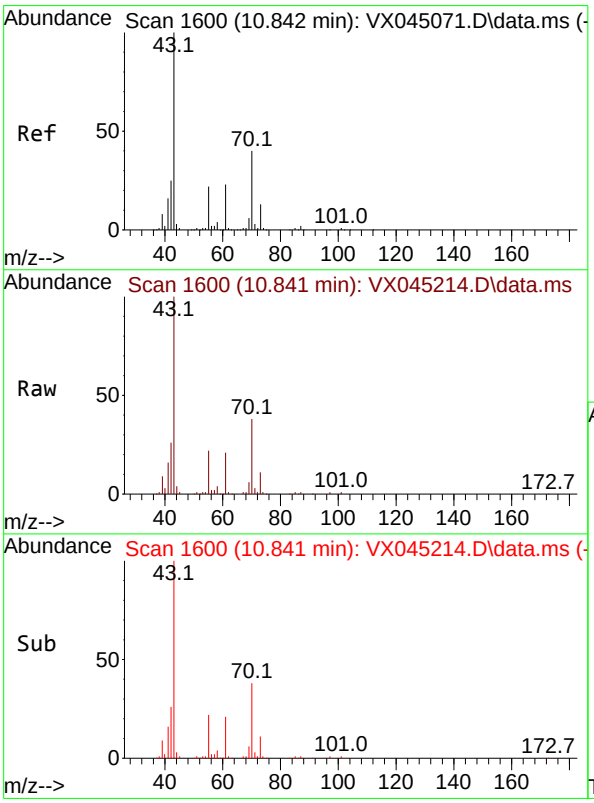
#73
Isopropylbenzene
Concen: 19.084 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:105 Resp: 107006

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.5

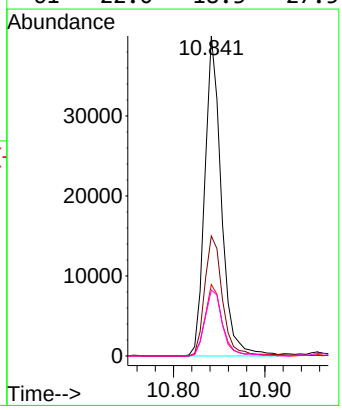


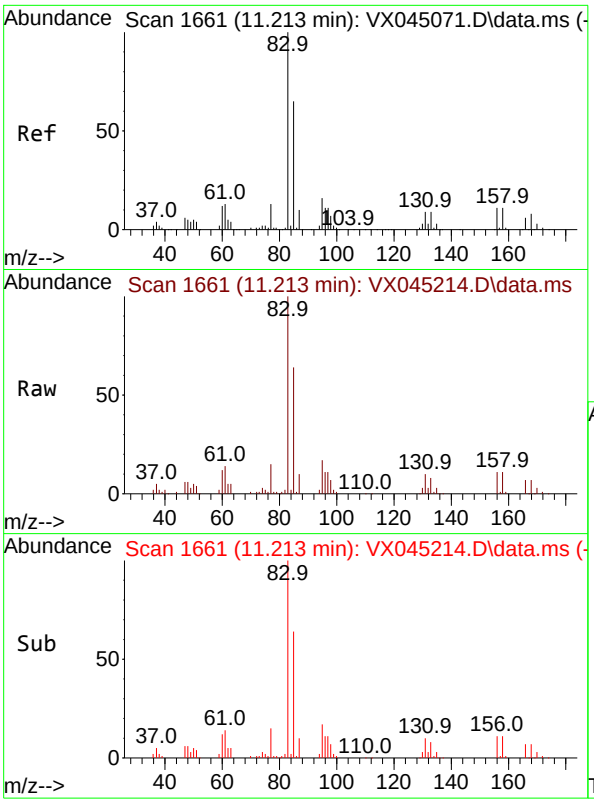


#74
N-amyl acetate
Concen: 19.067 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 43 Resp: 50165

Ion	Ratio	Lower	Upper
43	100		
70	40.0	31.8	47.6
55	23.5	18.3	27.5
61	22.0	18.3	27.5



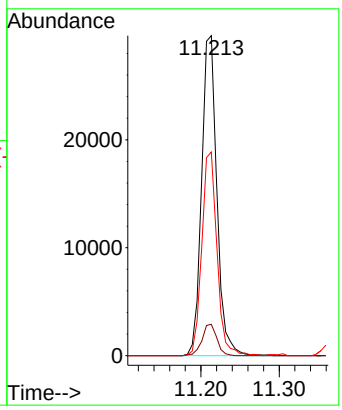


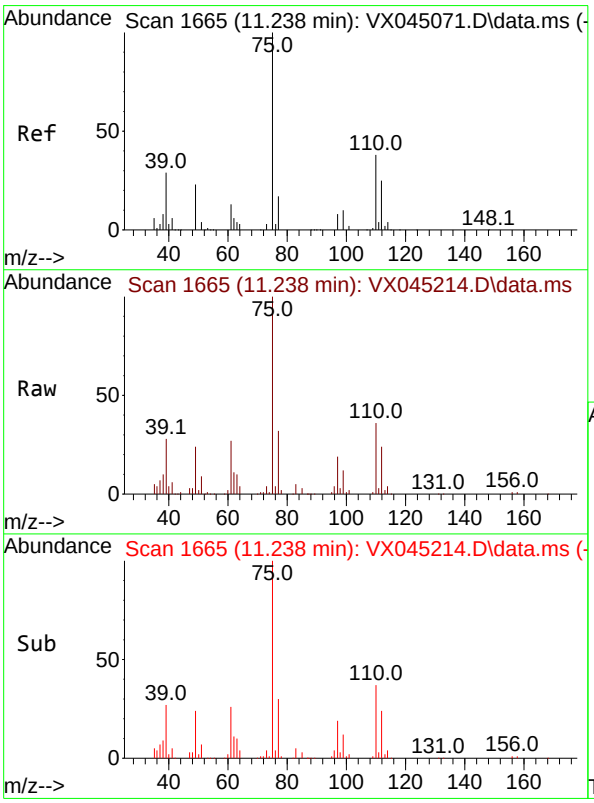
#75
1,1,2,2-Tetrachloroethane
Concen: 19.498 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 83 Resp: 40119

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.5	13.4
85	63.2	31.7	95.1

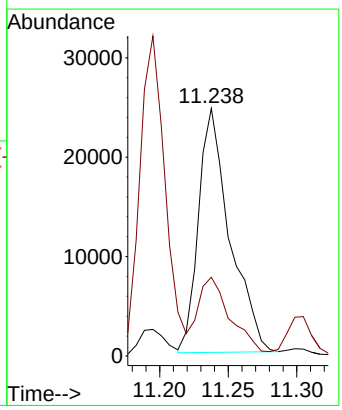


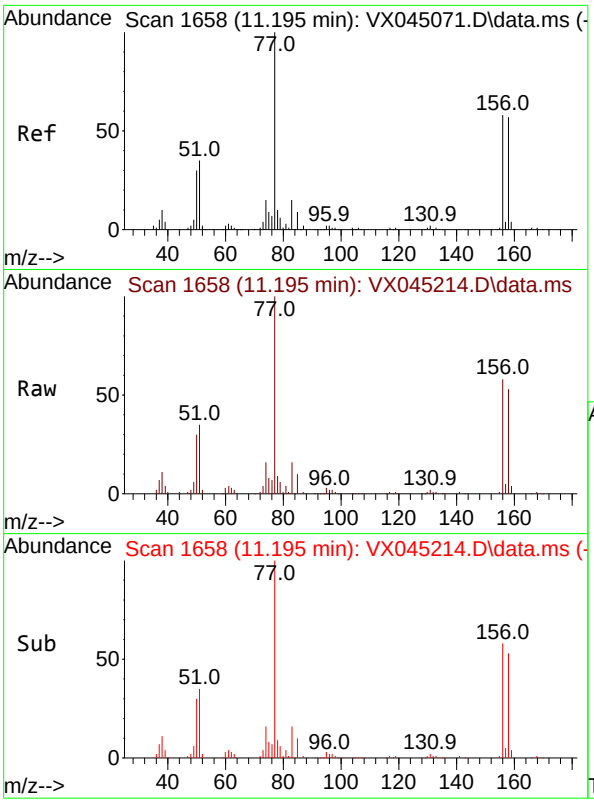


#76
1,2,3-Trichloropropane
Concen: 23.388 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 75 Resp: 39105

Ion	Ratio	Lower	Upper
75	100		
77	34.5	20.7	62.1



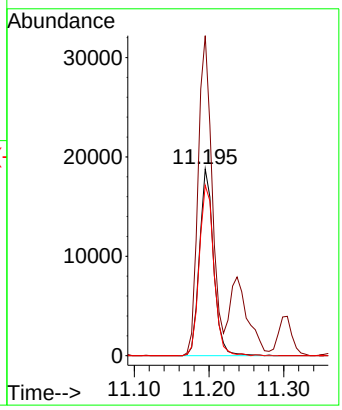


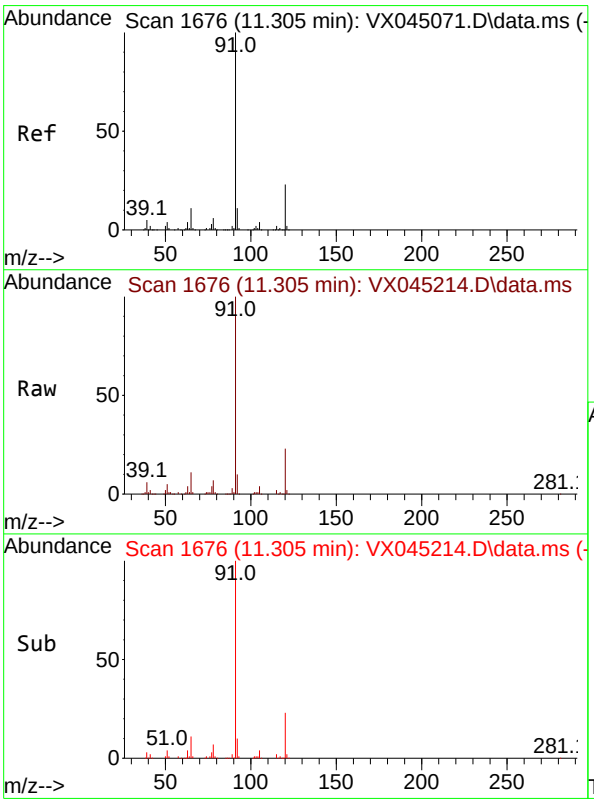
#77
Bromobenzene
Concen: 18.531 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:156 Resp: 24515

Ion	Ratio	Lower	Upper
156	100		
77	170.4	85.8	257.4
158	95.0	48.4	145.2

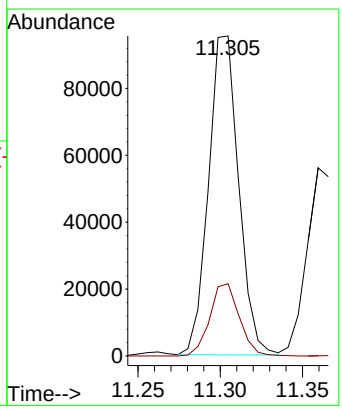


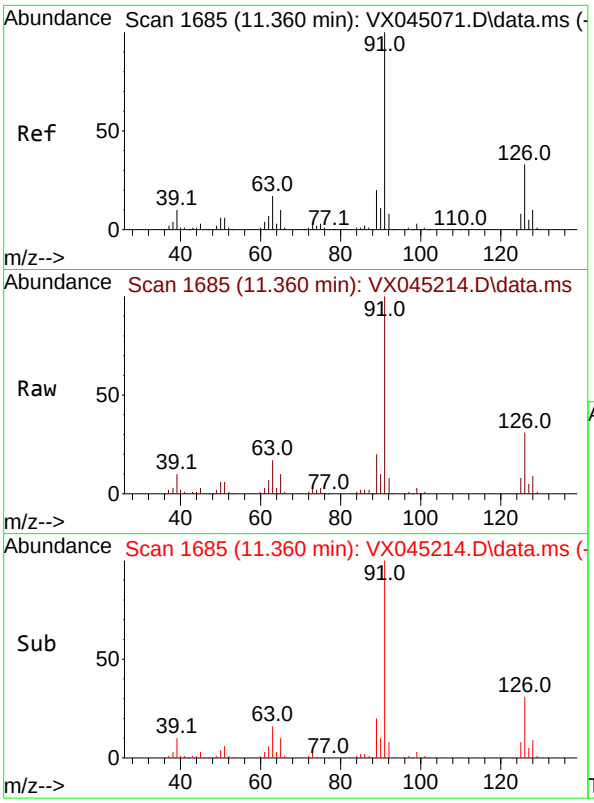


#78
n-propylbenzene
Concen: 19.227 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 91 Resp: 121782

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.6



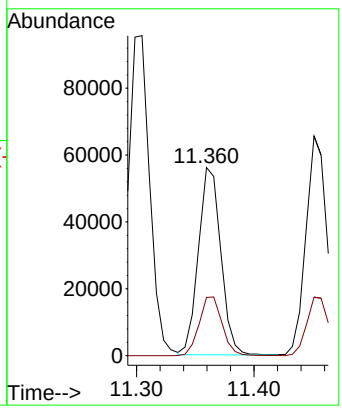


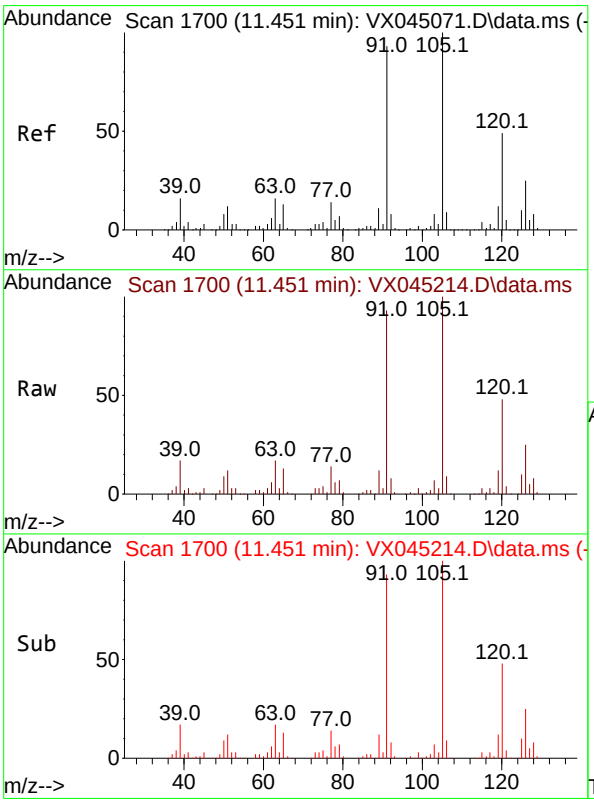
#79
2-Chlorotoluene
Concen: 18.427 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 91 Resp: 74331

Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.4	49.4

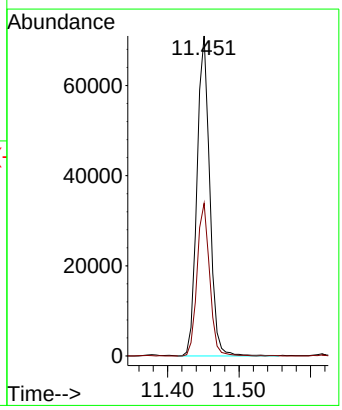


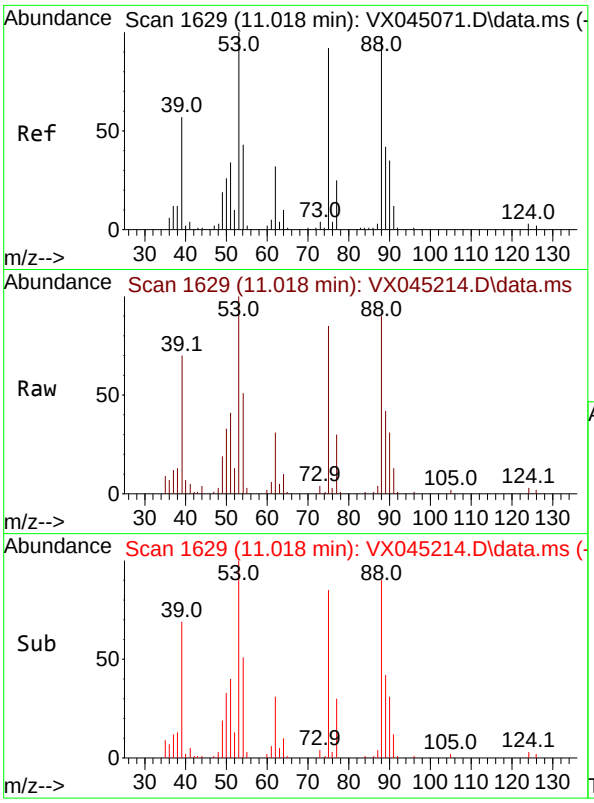


#80
1,3,5-Trimethylbenzene
Concen: 19.336 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:105 Resp: 87665

Ion	Ratio	Lower	Upper
105	100		
120	47.0	24.1	72.2



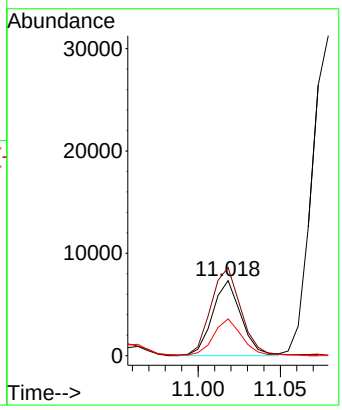


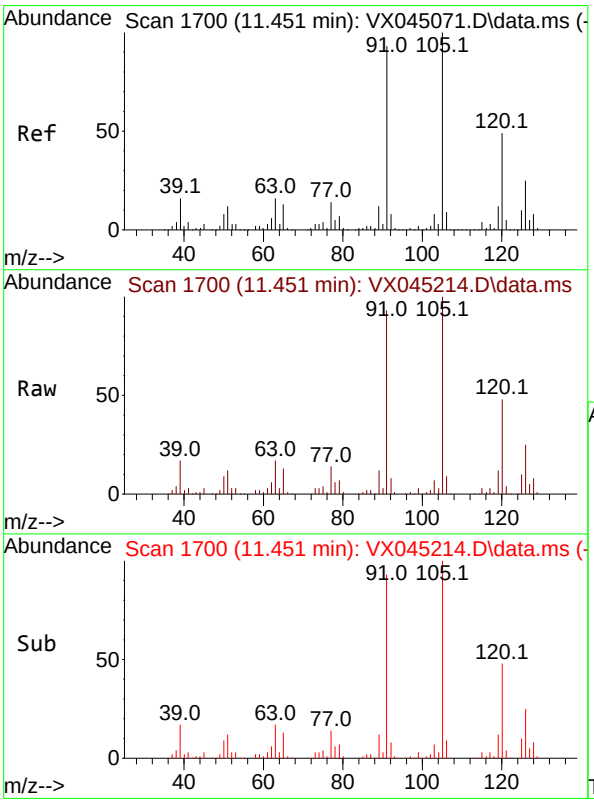
#81
trans-1,4-Dichloro-2-butene
Concen: 18.233 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 75 Resp: 8908

Ion	Ratio	Lower	Upper
75	100		
53	120.4	88.5	132.7
89	49.0	36.2	54.4

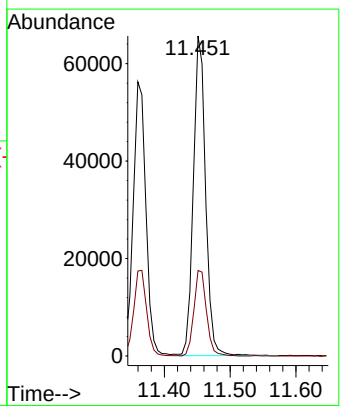


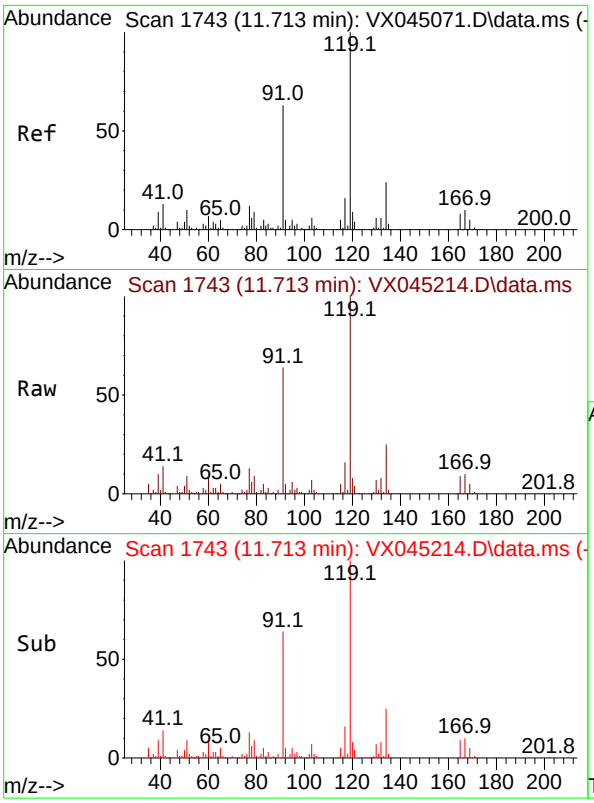


#82
4-Chlorotoluene
Concen: 19.196 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 91 Resp: 84393

Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.1	42.4



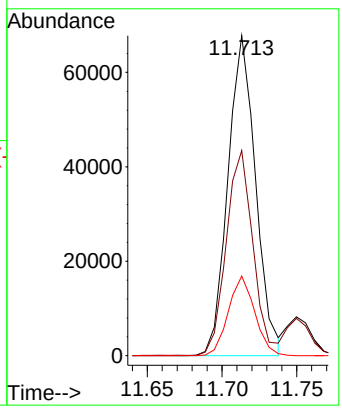


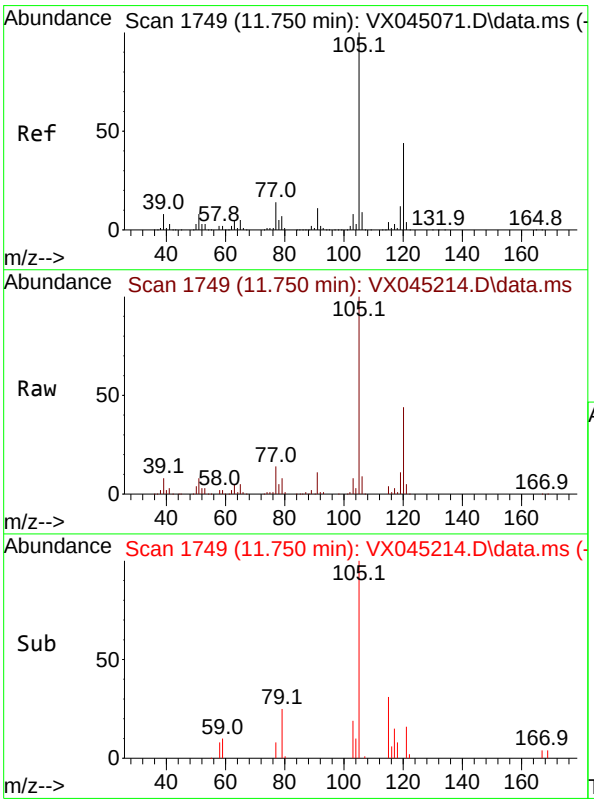
#83
tert-Butylbenzene
Concen: 18.764 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:119 Resp: 87407

Ion	Ratio	Lower	Upper
119	100		
91	61.8	30.7	92.1
134	23.7	11.7	35.0

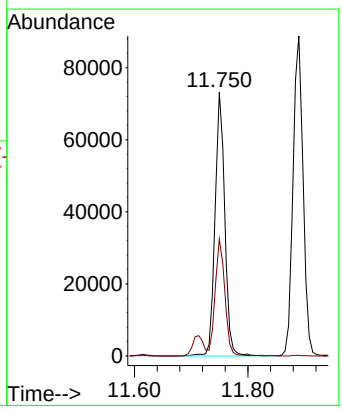


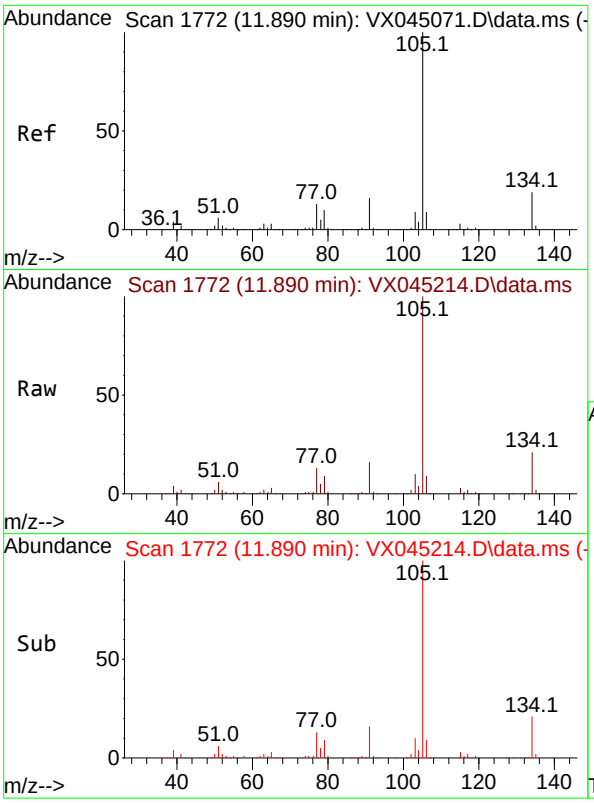


#84
1,2,4-Trimethylbenzene
Concen: 19.161 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:105 Resp: 87408

Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.1



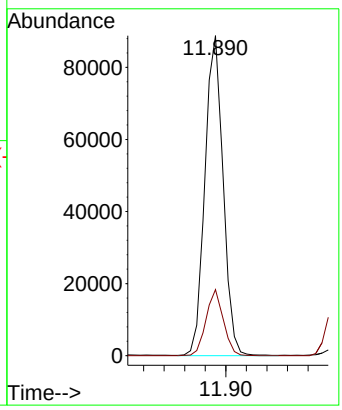


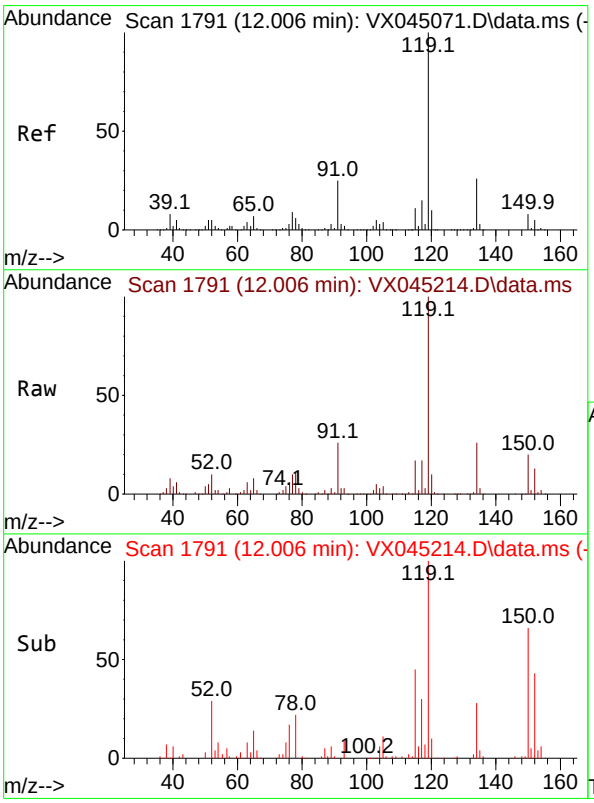
#85
sec-Butylbenzene
Concen: 19.595 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:105 Resp: 109340

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

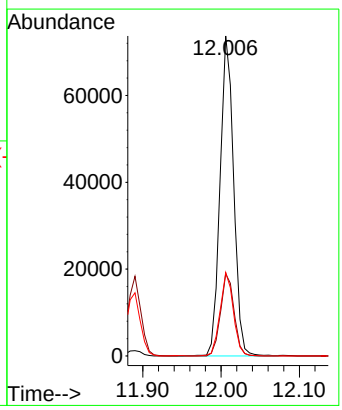


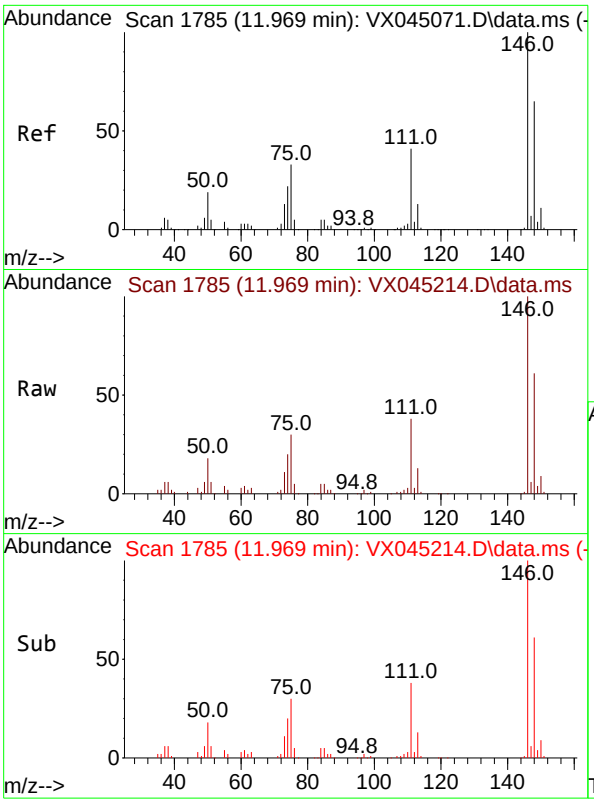


#86
p-Isopropyltoluene
Concen: 19.784 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:119 Resp: 89213

Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.9	38.6
91	25.5	12.7	38.0



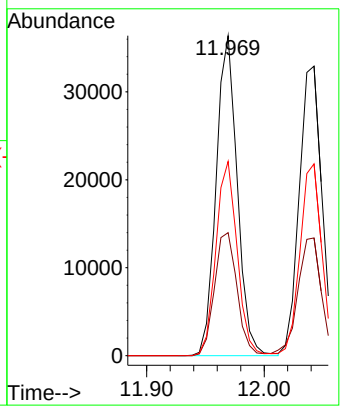


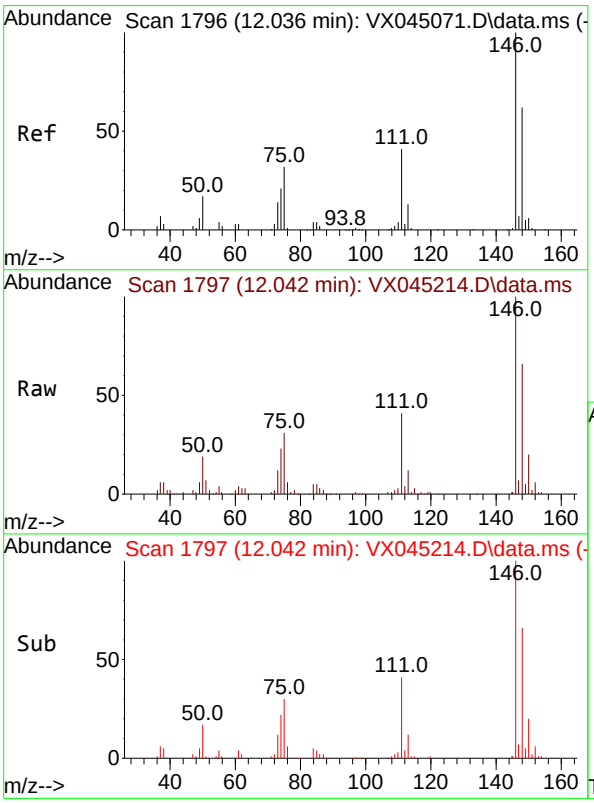
#87
1,3-Dichlorobenzene
Concen: 19.261 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:146 Resp: 45456

Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.4
148	61.0	31.9	95.7

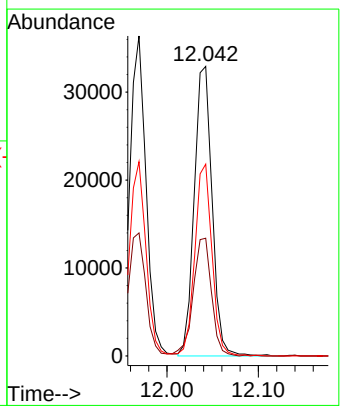


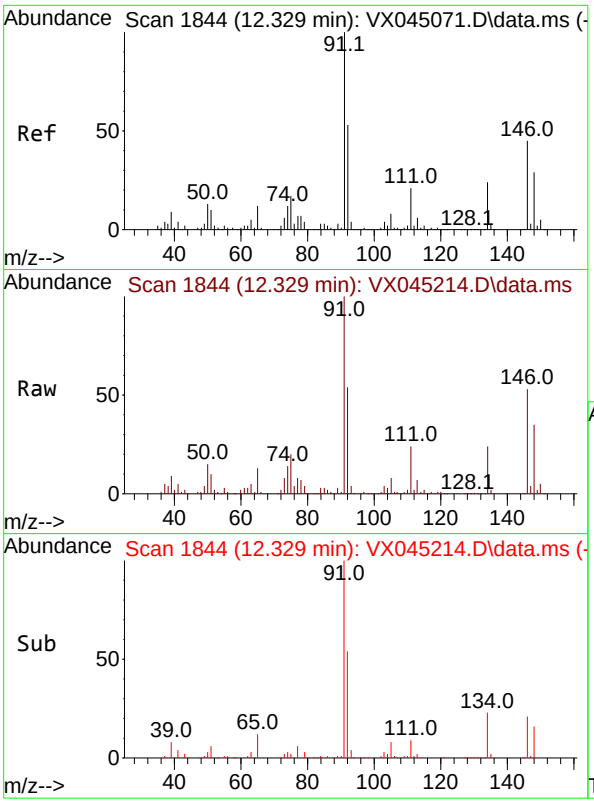


#88
1,4-Dichlorobenzene
Concen: 18.734 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:146 Resp: 44731

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.2	60.5
148	63.7	31.9	95.9



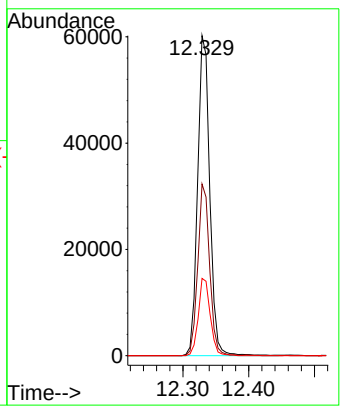


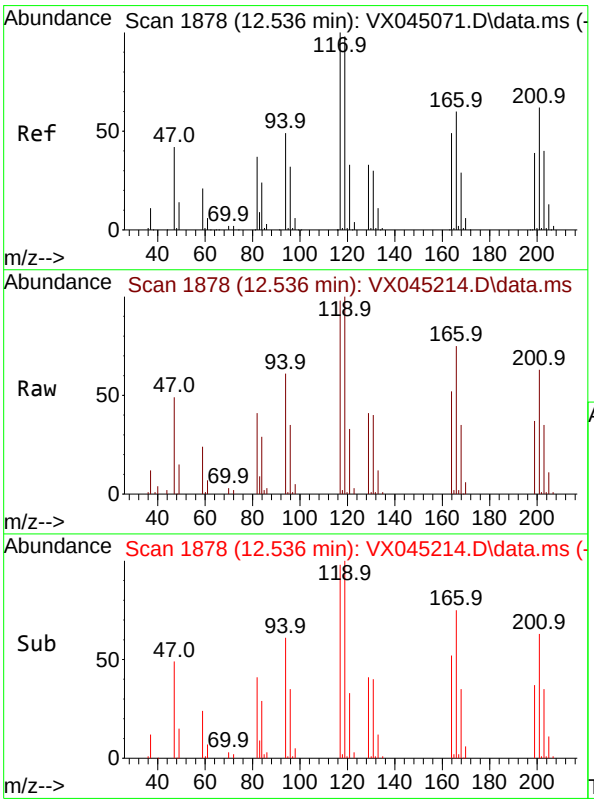
#89
n-Butylbenzene
Concen: 19.837 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion: 91 Resp: 77043

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.7	80.0
134	23.8	12.2	36.6

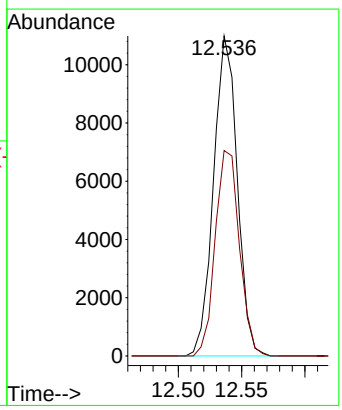


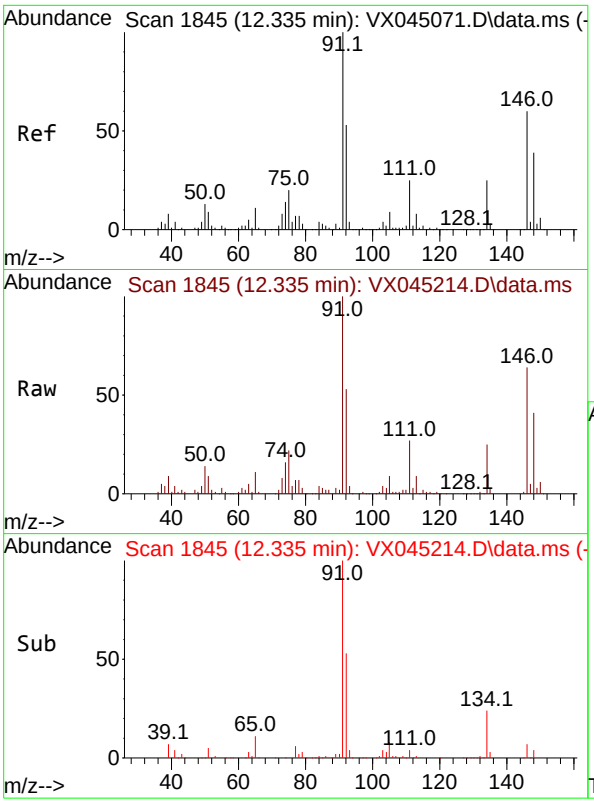


#90
Hexachloroethane
Concen: 17.526 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:117 Resp: 14295

Ion	Ratio	Lower	Upper
117	100		
201	65.6	31.9	95.9



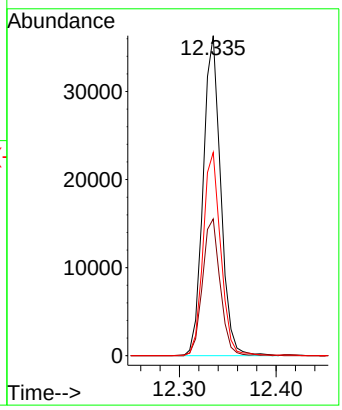


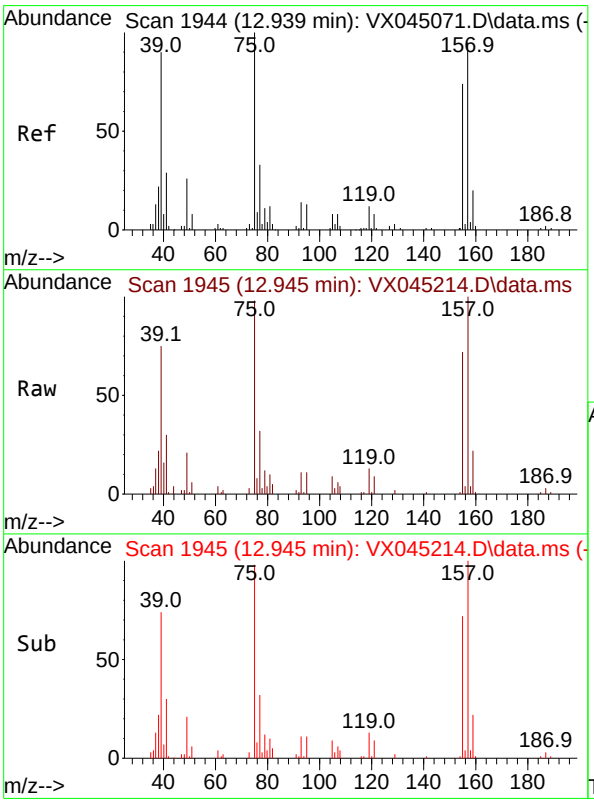
#91
1,2-Dichlorobenzene
Concen: 19.416 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:146 Resp: 45966

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	65.0
148	63.8	31.9	95.9

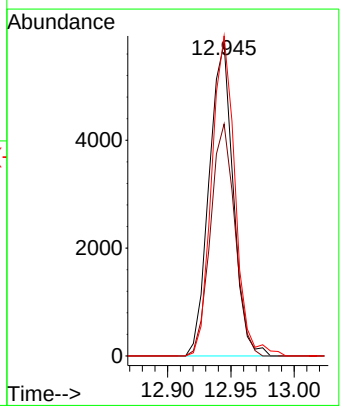


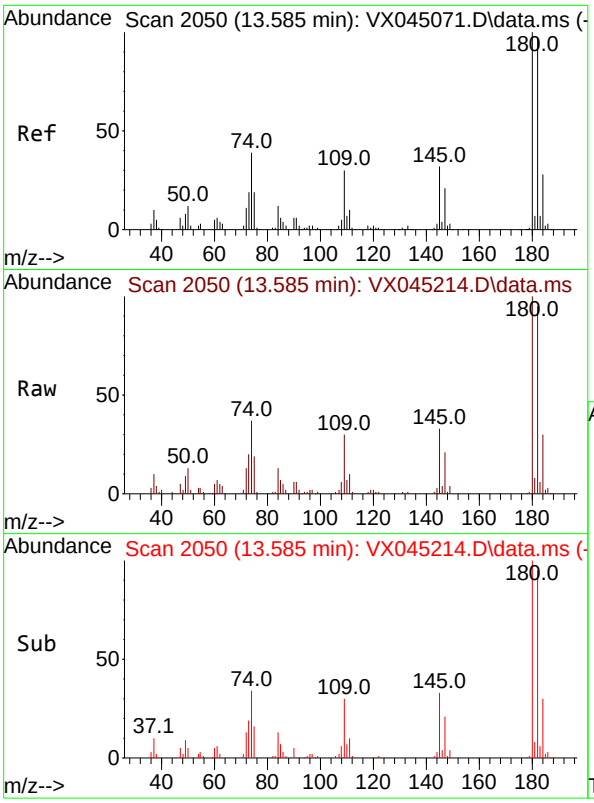


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.117 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion: 75 Resp: 7663

Ion	Ratio	Lower	Upper
75	100		
155	75.0	39.6	118.7
157	99.5	51.1	153.4



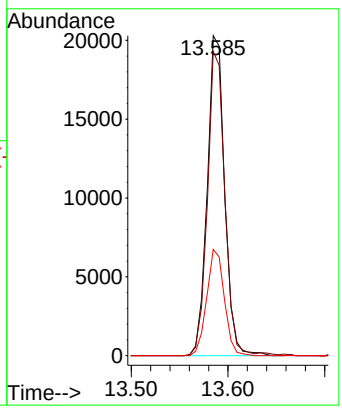


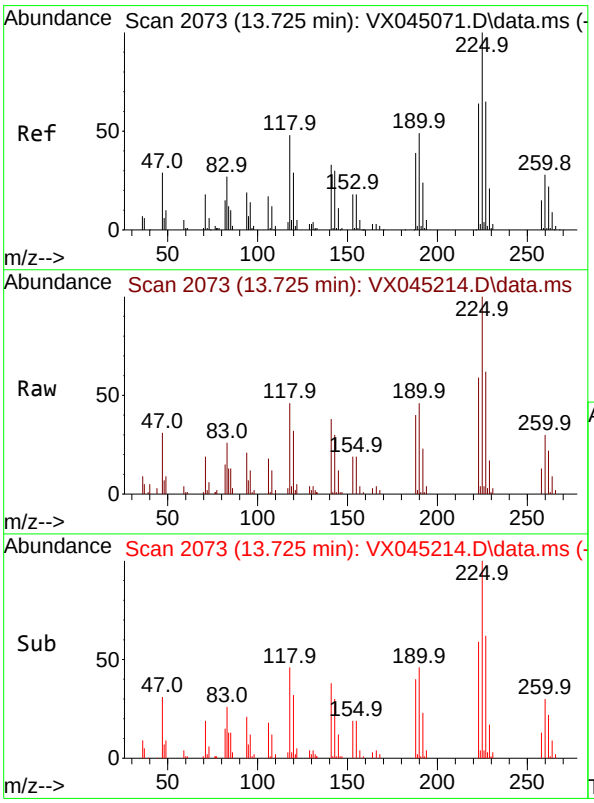
#93
1,2,4-Trichlorobenzene
Concen: 18.873 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:180 Resp: 25441

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.9
145	33.6	16.3	48.9

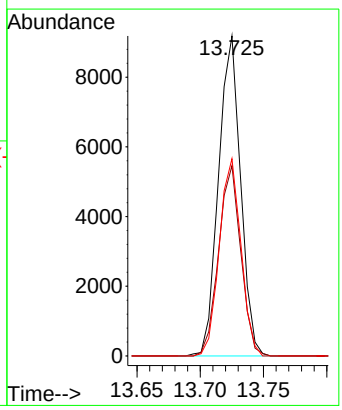


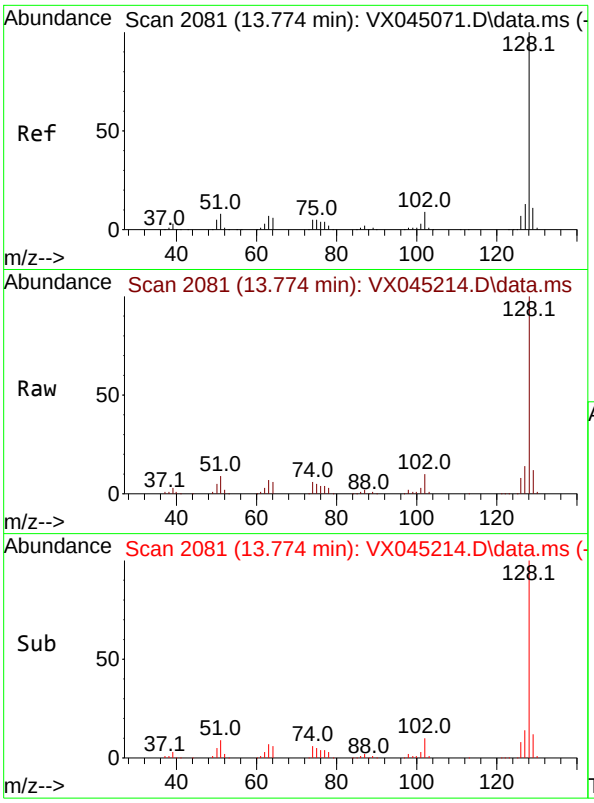


#94
Hexachlorobutadiene
Concen: 20.075 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:225 Resp: 11095

Ion	Ratio	Lower	Upper
225	100		
223	59.7	31.9	95.7
227	60.4	31.4	94.0



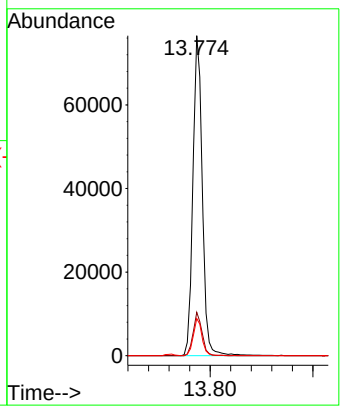


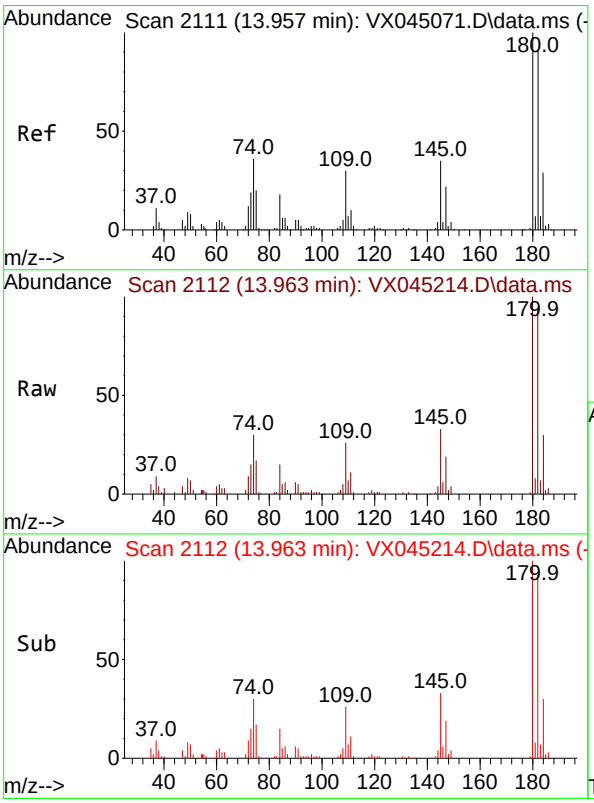
#95
Naphthalene
Concen: 18.846 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBS01

Tgt Ion:128 Resp: 97611

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.7	13.1

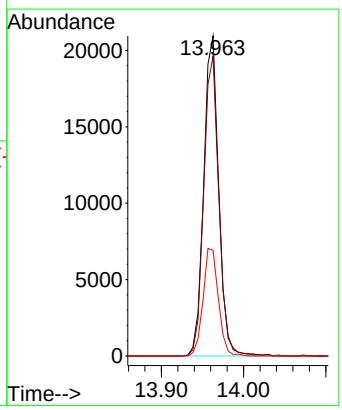




#96
1,2,3-Trichlorobenzene
Concen: 18.685 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045214.D
Acq: 11 Mar 2025 11:14

Tgt Ion:180 Resp: 26572

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.5	142.6
145	34.2	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045215.D
Acq On : 11 Mar 2025 11:40
Operator : JC/MD
Sample : VX0311WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Quant Time: Mar 12 01:44:49 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	92082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	166231	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	148942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	74856	51.107	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.220%			
35) Dibromofluoromethane	5.379	113	56645	50.961	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.920%			
50) Toluene-d8	8.647	98	204141	50.659	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.320%			
62) 4-Bromofluorobenzene	11.079	95	72695	54.440	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	22434	19.355	ug/l	93
3) Chloromethane	1.307	50	25404	17.909	ug/l	98
4) Vinyl Chloride	1.374	62	23820	16.928	ug/l	95
5) Bromomethane	1.593	94	10572	19.112	ug/l	100
6) Chloroethane	1.666	64	12761	19.661	ug/l	88
7) Trichlorofluoromethane	1.867	101	34778	18.670	ug/l	96
8) Diethyl Ether	2.130	74	12910	17.718	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.312	101	22149	20.696	ug/l	99
10) Methyl Iodide	2.440	142	25294	18.912	ug/l	96
11) Tert butyl alcohol	2.977	59	23337	84.116	ug/l	100
12) 1,1-Dichloroethene	2.306	96	20823	18.403	ug/l	98
13) Acrolein	2.233	56	25369	79.103	ug/l	99
14) Allyl chloride	2.654	41	39210	19.468	ug/l	98
15) Acrylonitrile	3.062	53	75766	101.896	ug/l	100
16) Acetone	2.386	43	65266	96.039	ug/l	98
17) Carbon Disulfide	2.501	76	49556	16.444	ug/l	99
18) Methyl Acetate	2.703	43	37547	22.967	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	73152	19.270	ug/l	100
20) Methylene Chloride	2.782	84	25802	19.167	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	21427	19.168	ug/l	93
22) Diisopropyl ether	3.757	45	79872	19.499	ug/l #	81
23) Vinyl Acetate	3.721	43	341251	99.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	43990	19.162	ug/l	97
25) 2-Butanone	4.556	43	105263	102.904	ug/l	98
26) 2,2-Dichloropropane	4.465	77	29182	27.101	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	26511	19.212	ug/l	96
28) Bromochloromethane	4.897	49	21801	19.924	ug/l	98
29) Tetrahydrofuran	5.007	42	67355	98.050	ug/l	99
30) Chloroform	5.086	83	44426	19.477	ug/l	98
31) Cyclohexane	5.458	56	37985	19.062	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	35413	19.223	ug/l	98
36) 1,1-Dichloropropene	5.684	75	28849	18.925	ug/l	99
37) Ethyl Acetate	4.714	43	36207	18.433	ug/l	98
38) Carbon Tetrachloride	5.672	117	29989	19.378	ug/l	94
39) Methylcyclohexane	7.373	83	36647	20.064	ug/l	97
40) Benzene	6.031	78	92458	19.208	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045215.D
Acq On : 11 Mar 2025 11:40
Operator : JC/MD
Sample : VX0311WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Quant Time: Mar 12 01:44:49 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	21766	20.493	ug/l		98
42) 1,2-Dichloroethane	6.086	62	34432	19.864	ug/l		100
43) Isopropyl Acetate	6.342	43	57873	19.925	ug/l		100
44) Trichloroethene	7.123	130	21499	19.021	ug/l		100
45) 1,2-Dichloropropane	7.427	63	23603	19.071	ug/l		93
46) Dibromomethane	7.580	93	17341	19.824	ug/l		99
47) Bromodichloromethane	7.818	83	33921	19.769	ug/l		99
48) Methyl methacrylate	7.696	41	29960	20.560	ug/l		98
49) 1,4-Dioxane	7.665	88	11450	372.504	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	212449	108.934	ug/l		99
52) Toluene	8.714	92	56008	19.831	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	28894	20.143	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	33564	20.066	ug/l		95
55) 1,1,2-Trichloroethane	9.153	97	23281	20.024	ug/l		99
56) Ethyl methacrylate	9.116	69	37256	21.080	ug/l		98
57) 1,3-Dichloropropane	9.305	76	41547	20.649	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	84737	98.289	ug/l		99
59) 2-Hexanone	9.427	43	154662	109.453	ug/l		99
60) Dibromochloromethane	9.518	129	24209	19.914	ug/l		99
61) 1,2-Dibromoethane	9.610	107	23982	20.662	ug/l		98
64) Tetrachloroethene	9.269	164	18450	19.341	ug/l		94
65) Chlorobenzene	10.079	112	61875	19.633	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.159	131	19978	19.035	ug/l		97
67) Ethyl Benzene	10.189	91	108234	19.710	ug/l		98
68) m/p-Xylenes	10.299	106	80292	39.941	ug/l		97
69) o-Xylene	10.640	106	40924	20.185	ug/l		98
70) Styrene	10.652	104	67151	20.469	ug/l		99
71) Bromoform	10.799	173	16098	20.340	ug/l	#	99
73) Isopropylbenzene	10.957	105	104215	19.390	ug/l		99
74) N-amyl acetate	10.841	43	49701	19.707	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	38763	19.653	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	38866	24.250	ug/l		88
77) Bromobenzene	11.195	156	24637	19.428	ug/l		97
78) n-propylbenzene	11.305	91	121031	19.934	ug/l		99
79) 2-Chlorotoluene	11.360	91	74800	19.344	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	87336	20.096	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8951	19.112	ug/l		92
82) 4-Chlorotoluene	11.451	91	84411	20.030	ug/l		100
83) tert-Butylbenzene	11.713	119	86368	19.342	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	87556	20.023	ug/l		100
85) sec-Butylbenzene	11.890	105	109529	20.477	ug/l		99
86) p-Isopropyltoluene	12.006	119	88543	20.483	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	44375	19.615	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	43983	19.217	ug/l		98
89) n-Butylbenzene	12.329	91	76829	20.636	ug/l		99
90) Hexachloroethane	12.536	117	14287	18.273	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	44841	19.759	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7436	19.352	ug/l		98
93) 1,2,4-Trichlorobenzene	13.591	180	25138	19.453	ug/l		97
94) Hexachlorobutadiene	13.725	225	10532	19.880	ug/l		98
95) Naphthalene	13.774	128	95200	19.175	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	26292	19.287	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045215.D
Acq On : 11 Mar 2025 11:40
Operator : JC/MD
Sample : VX0311WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Quant Time: Mar 12 01:44:49 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)

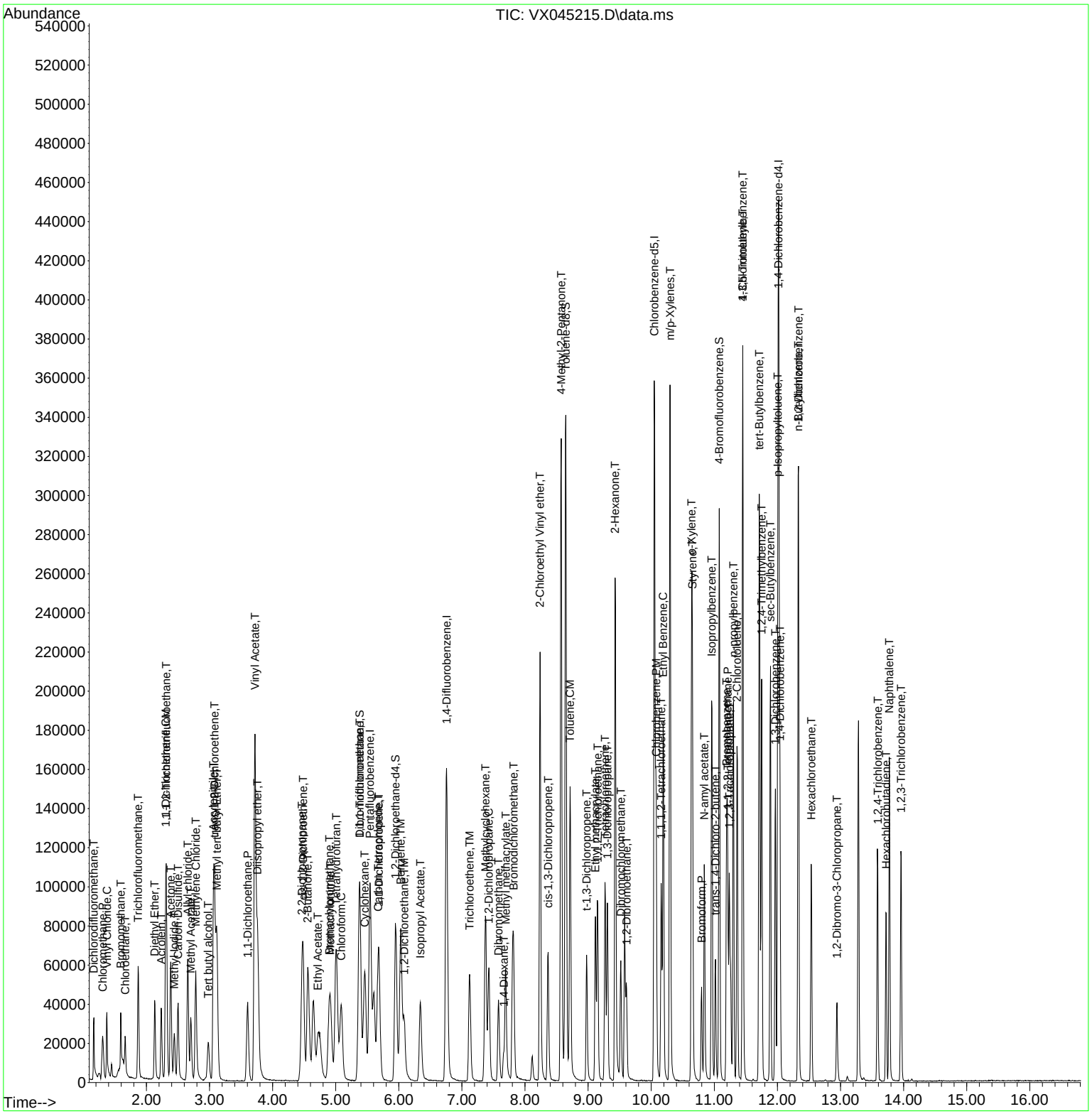
(#) = qualifier out of range (m) = manual integration (+) = signals summed

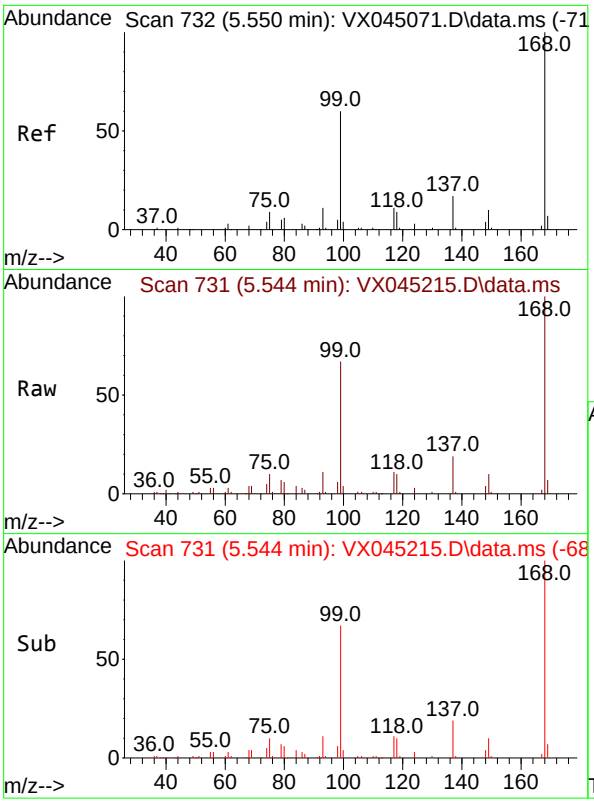
Quantitation Report (Not Reviewed)

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Data File : VX045215.D
Acq On : 11 Mar 2025 11:40
Operator : JC/MD
Sample : VX0311WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Quant Time: Mar 12 01:44:49 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



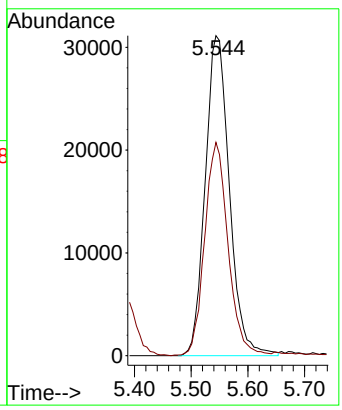


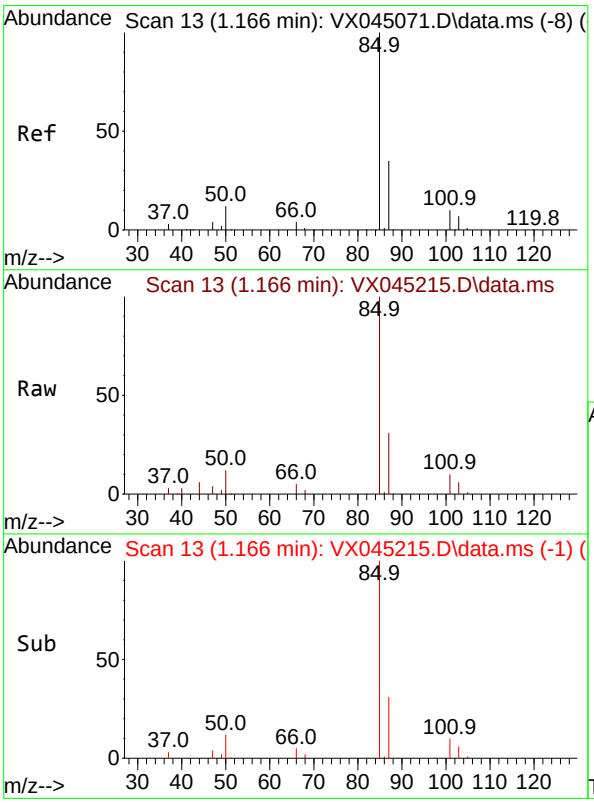
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:168 Resp: 92082

Ion	Ratio	Lower	Upper
168	100		
99	66.5	48.2	72.4

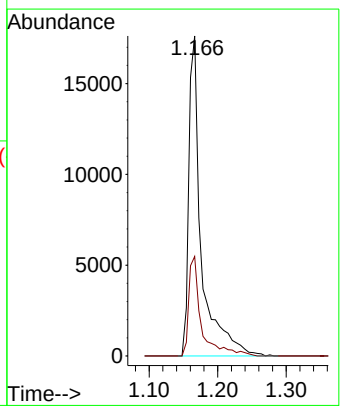


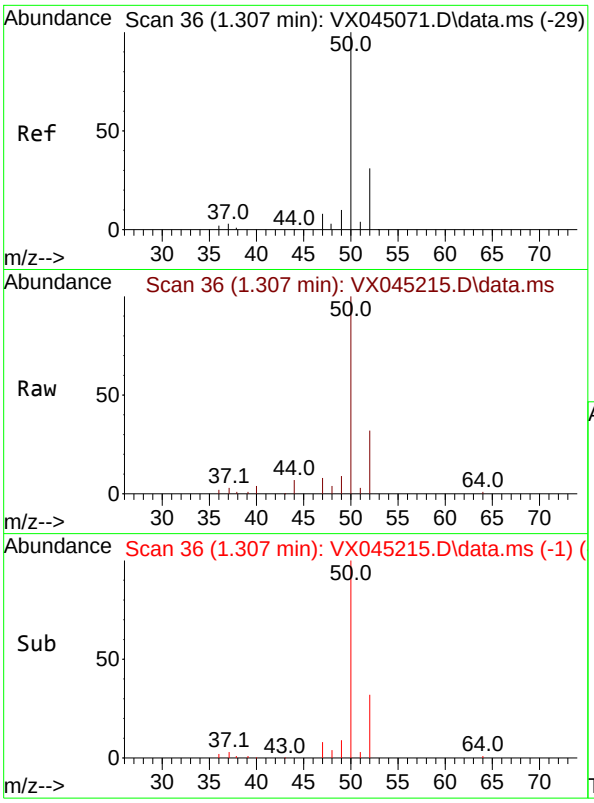


#2
Dichlorodifluoromethane
Concen: 19.355 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 85 Resp: 22434

Ion	Ratio	Lower	Upper
85	100		
87	31.1	17.4	52.3



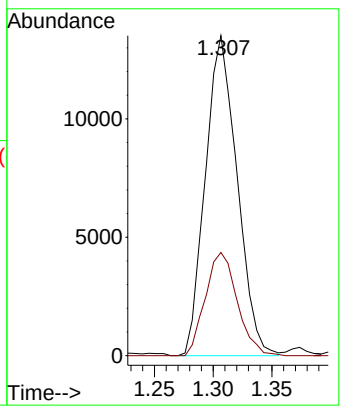


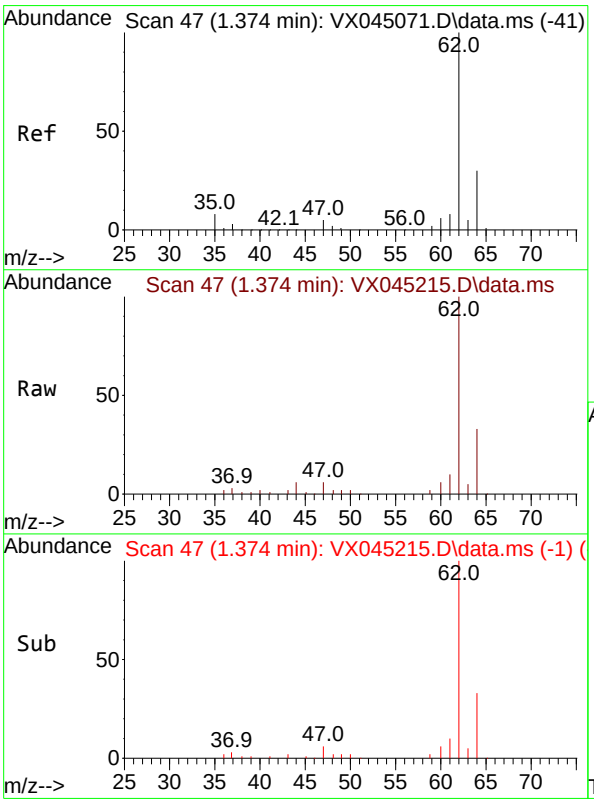
#3
Chloromethane
Concen: 17.909 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 50 Resp: 25404

Ion	Ratio	Lower	Upper
50	100		
52	32.3	25.0	37.4

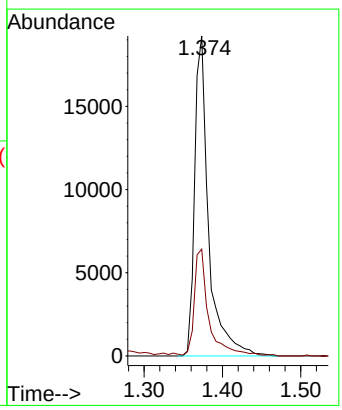


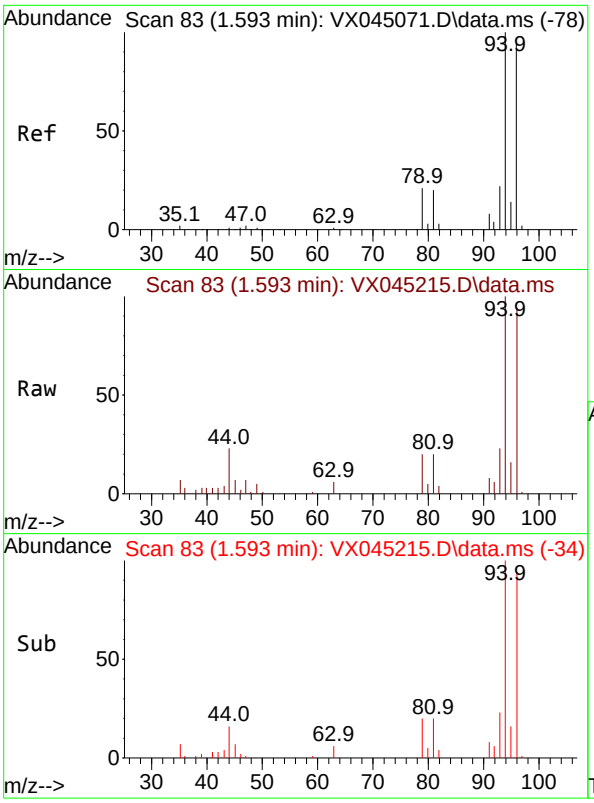


#4
Vinyl Chloride
Concen: 16.928 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 62 Resp: 23820

Ion	Ratio	Lower	Upper
62	100		
64	33.4	24.3	36.5



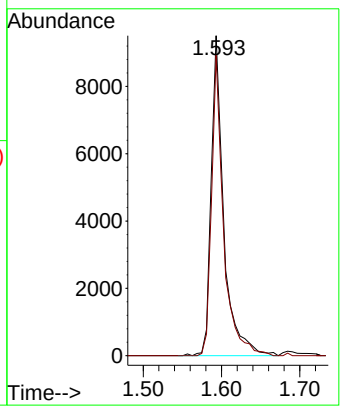


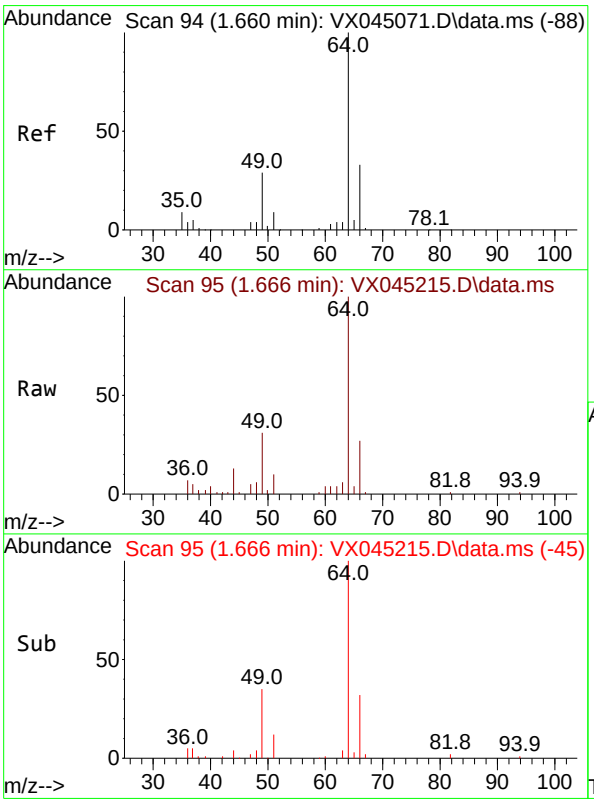
#5
Bromomethane
Concen: 19.112 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 94 Resp: 10572

Ion	Ratio	Lower	Upper
94	100		
96	93.8	75.0	112.4

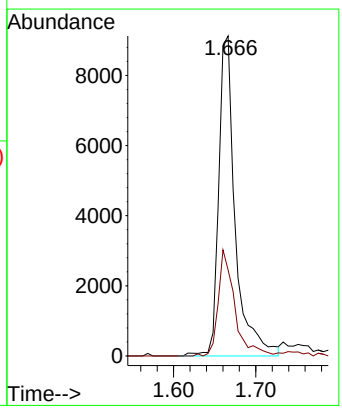


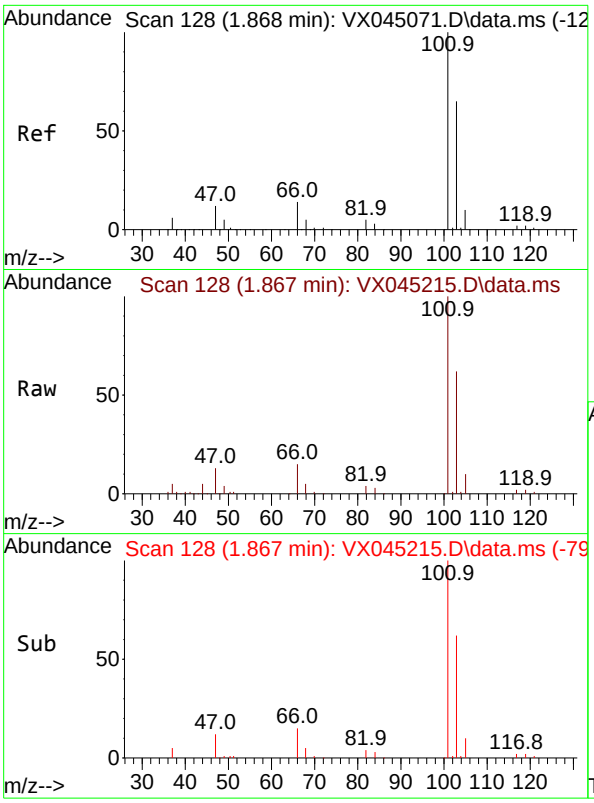


#6
Chloroethane
Concen: 19.661 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 64 Resp: 12761

Ion	Ratio	Lower	Upper
64	100		
66	26.8	26.7	40.1



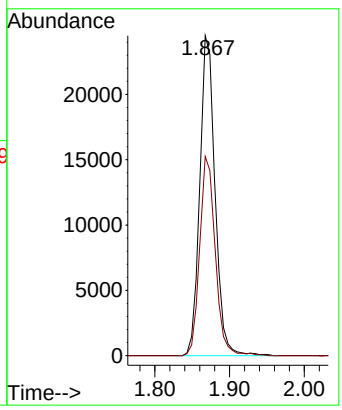


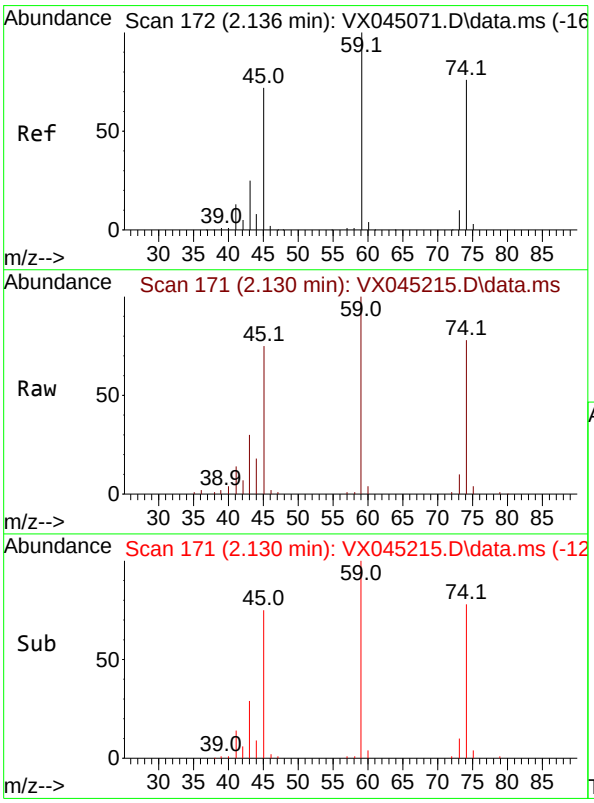
#7
Trichlorofluoromethane
Concen: 18.670 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:101 Resp: 34778

Ion	Ratio	Lower	Upper
101	100		
103	62.3	52.1	78.1

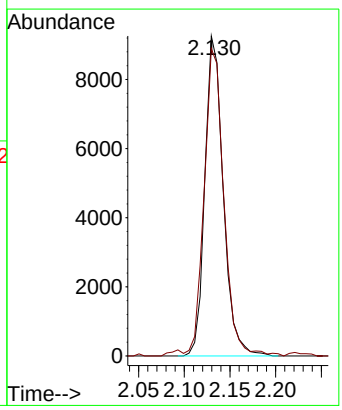


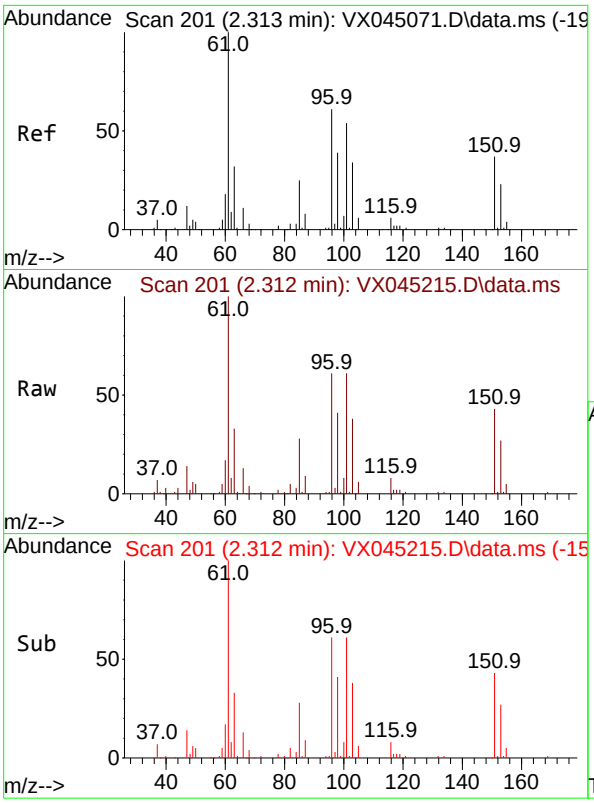


#8
Diethyl Ether
Concen: 17.718 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 74 Resp: 12910

Ion	Ratio	Lower	Upper
74	100		
45	104.1	51.5	154.5



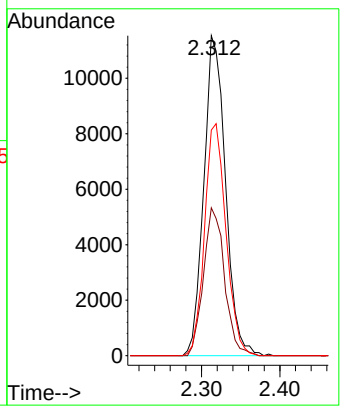


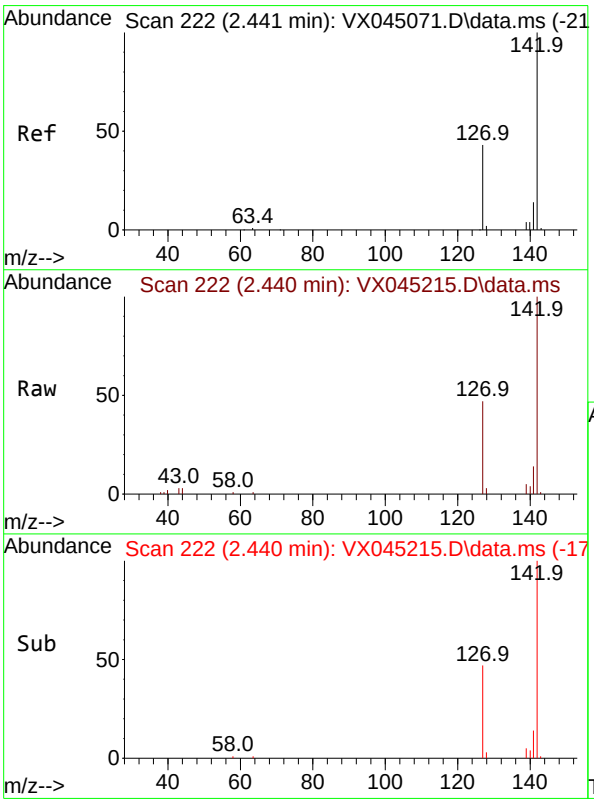
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.696 ug/l
RT: 2.312 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:101 Resp: 22149

Ion	Ratio	Lower	Upper
101	100		
85	45.0	36.2	54.4
151	71.9	56.4	84.6

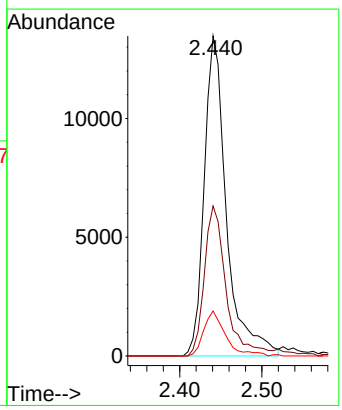


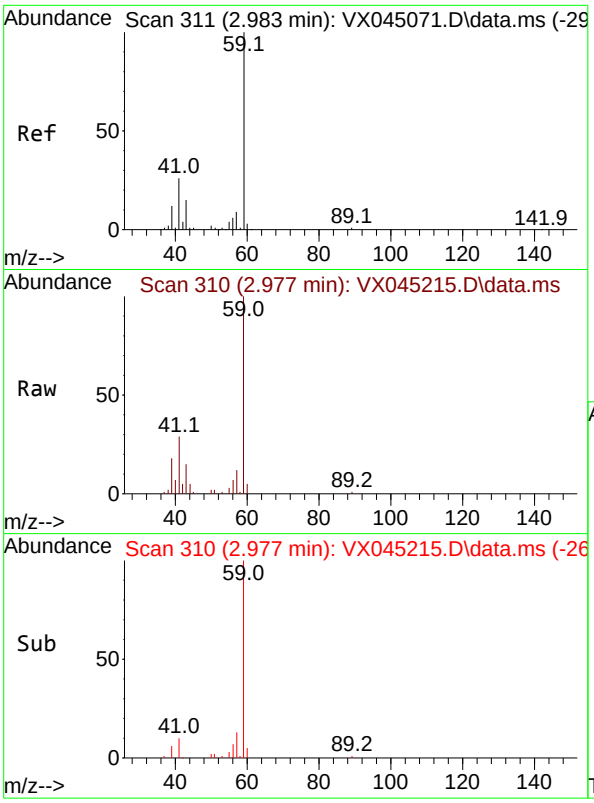


#10
Methyl Iodide
Concen: 18.912 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:142 Resp: 25294

Ion	Ratio	Lower	Upper
142	100		
127	47.6	35.4	53.2
141	13.9	11.6	17.4



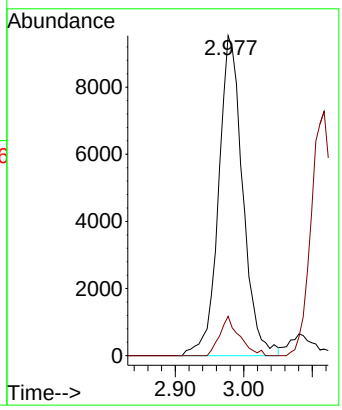


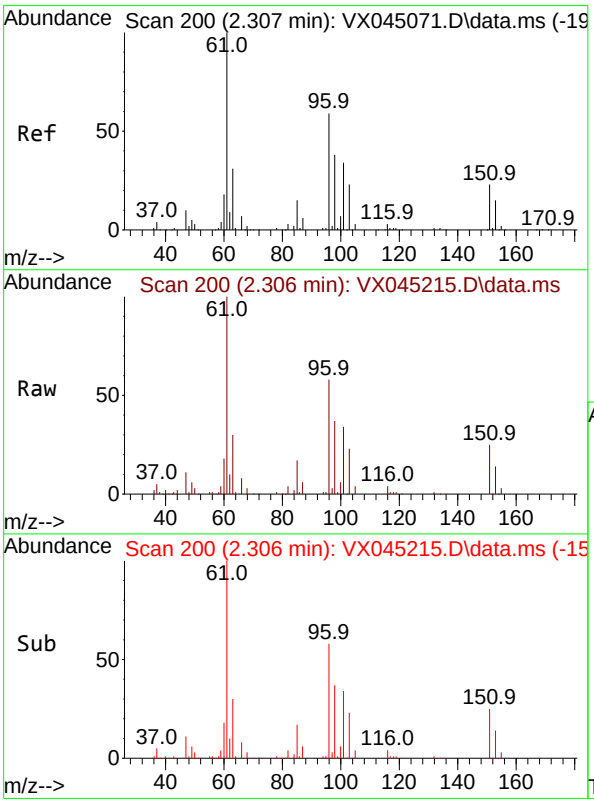
#11
Tert butyl alcohol
Concen: 84.116 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 59 Resp: 23337

Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

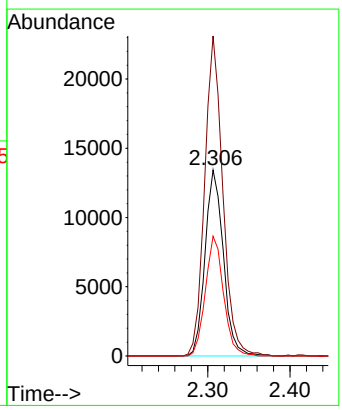


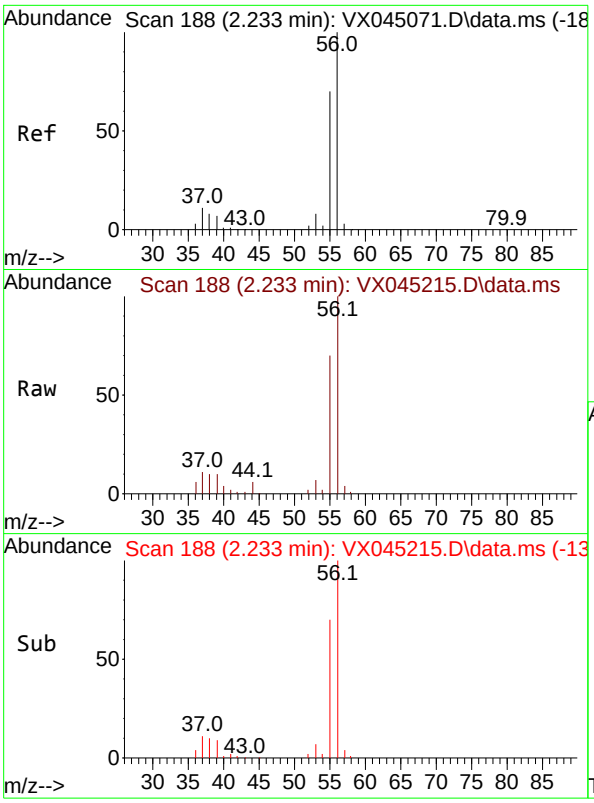


#12
1,1-Dichloroethene
Concen: 18.403 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 96 Resp: 20823

Ion	Ratio	Lower	Upper
96	100		
61	172.1	134.6	202.0
98	64.4	51.0	76.6



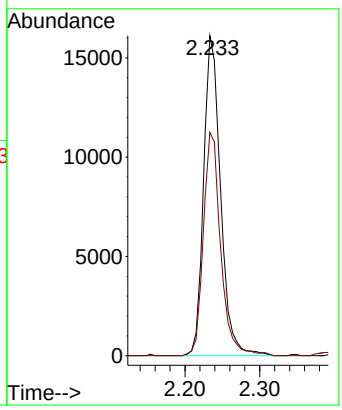


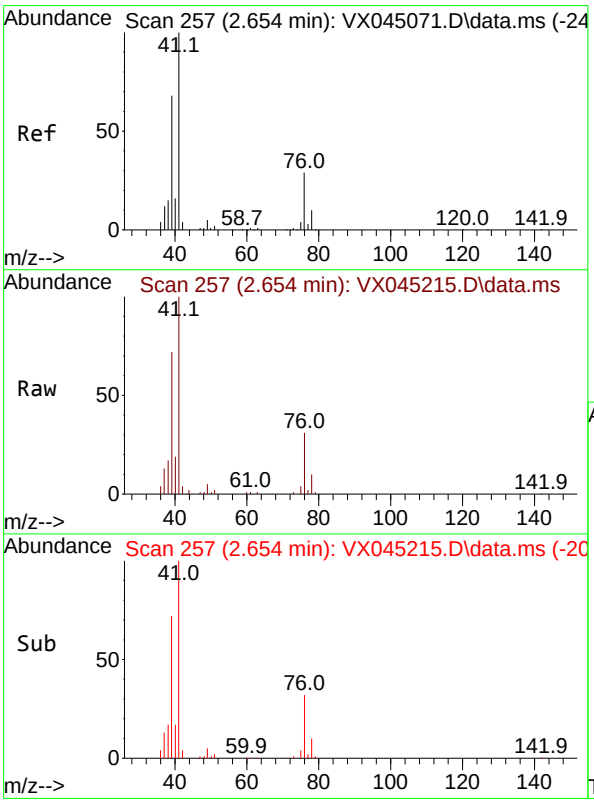
#13
Acrolein
Concen: 79.103 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 56 Resp: 25369

Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.2	84.4

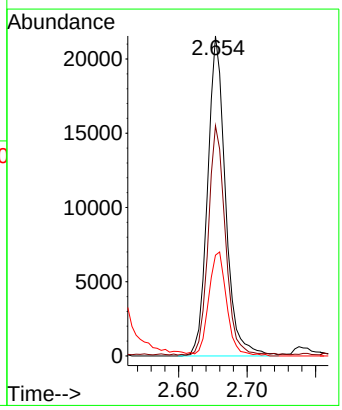


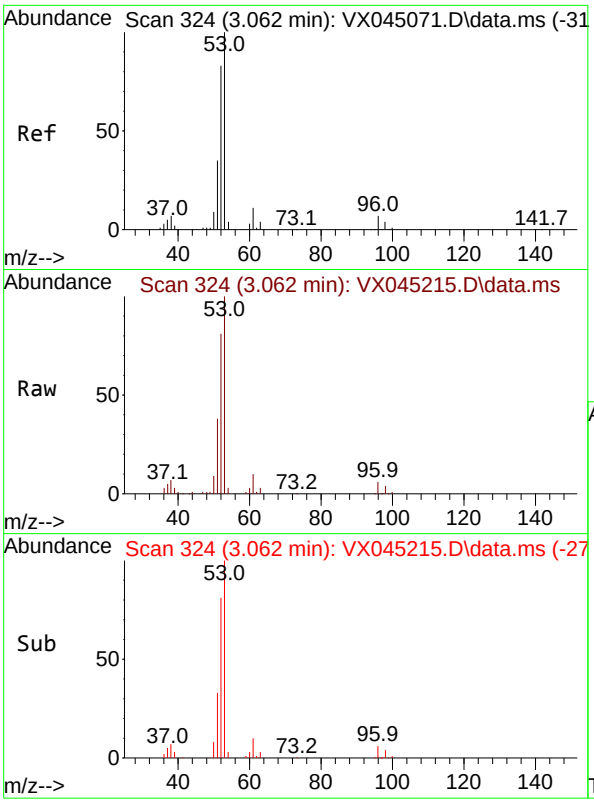


#14
Allyl chloride
Concen: 19.468 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 41 Resp: 39210

Ion	Ratio	Lower	Upper
41	100		
39	68.5	53.8	80.8
76	32.6	25.2	37.8



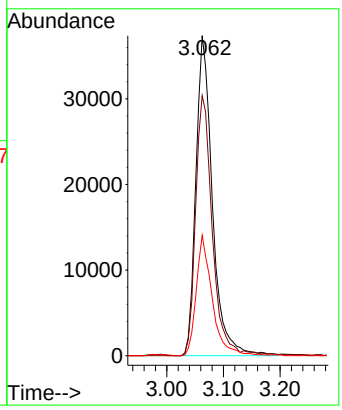


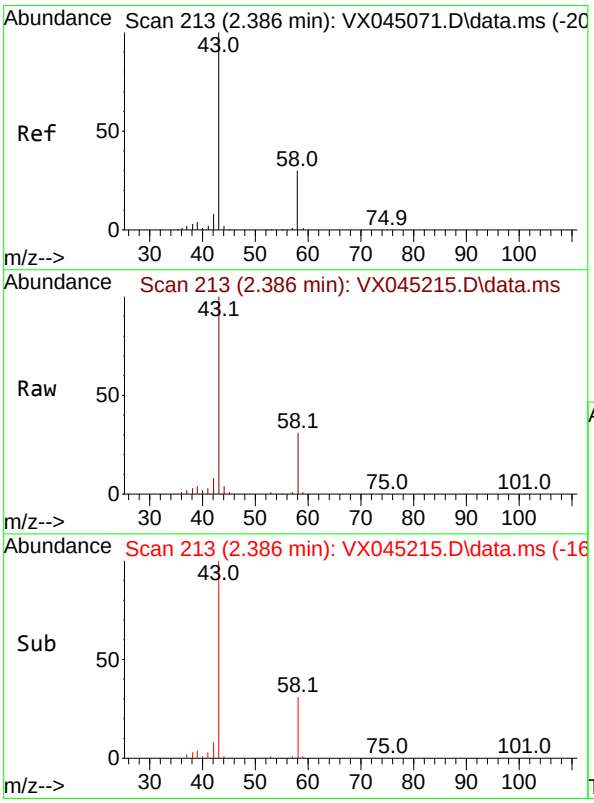
#15
Acrylonitrile
Concen: 101.896 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 53 Resp: 75766

Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	36.4	29.0	43.4

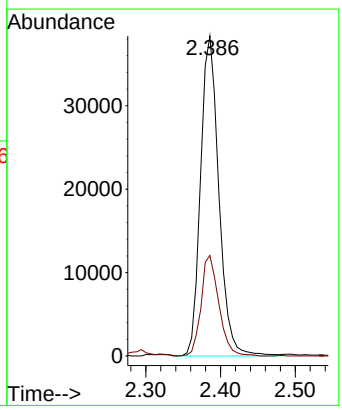


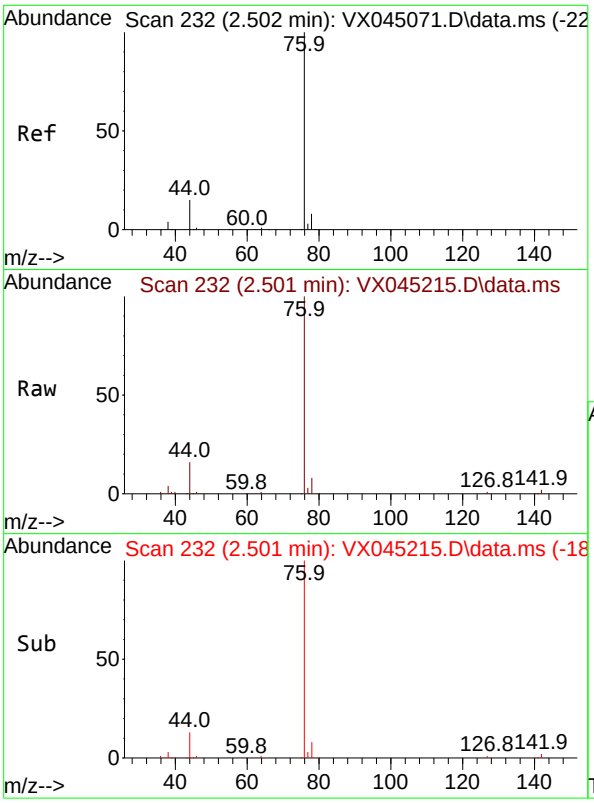


#16
Acetone
Concen: 96.039 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 43 Resp: 65266

Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.2	36.4



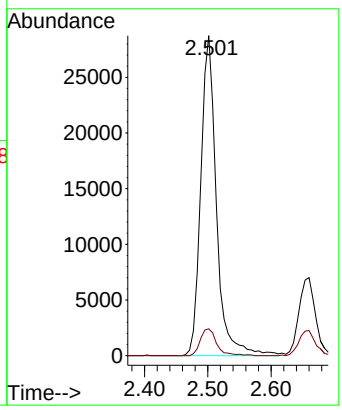


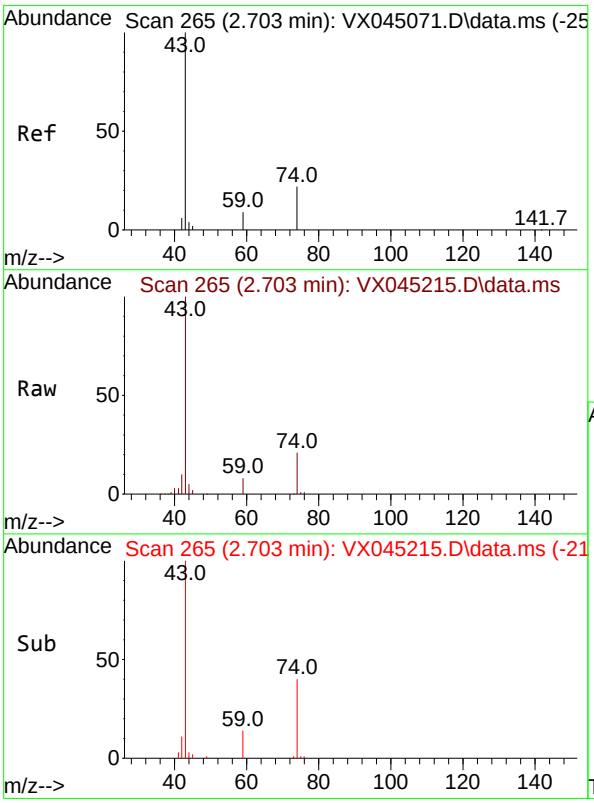
#17
Carbon Disulfide
Concen: 16.444 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 76 Resp: 49556

Ion	Ratio	Lower	Upper
76	100		
78	8.4	6.6	9.8

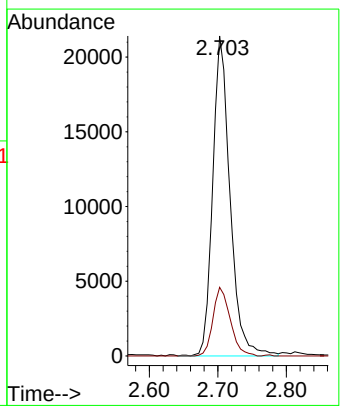


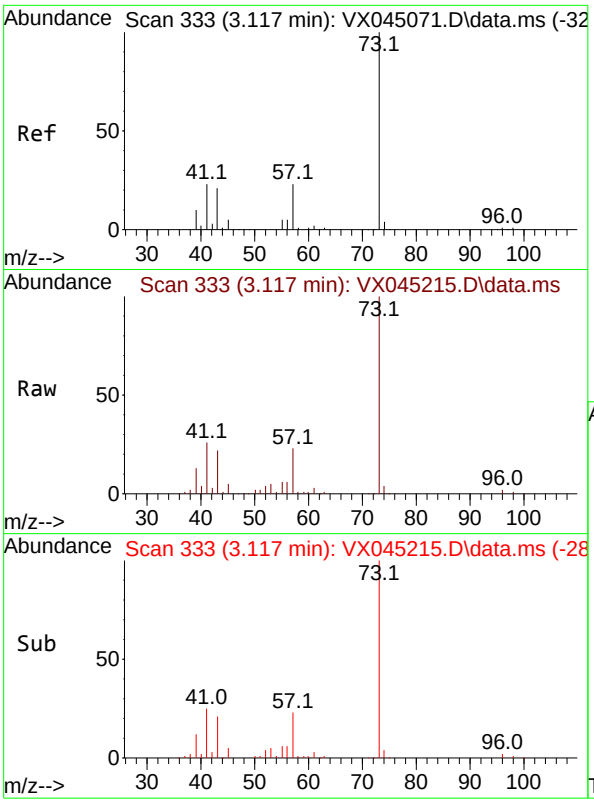


#18
Methyl Acetate
Concen: 22.967 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 43 Resp: 37547

Ion	Ratio	Lower	Upper
43	100		
74	21.3	17.4	26.2



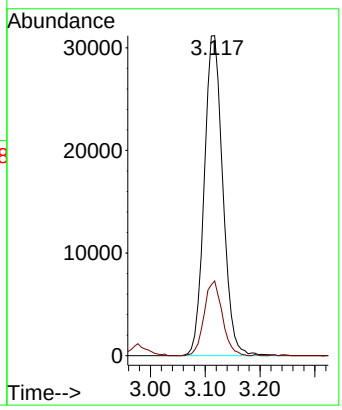


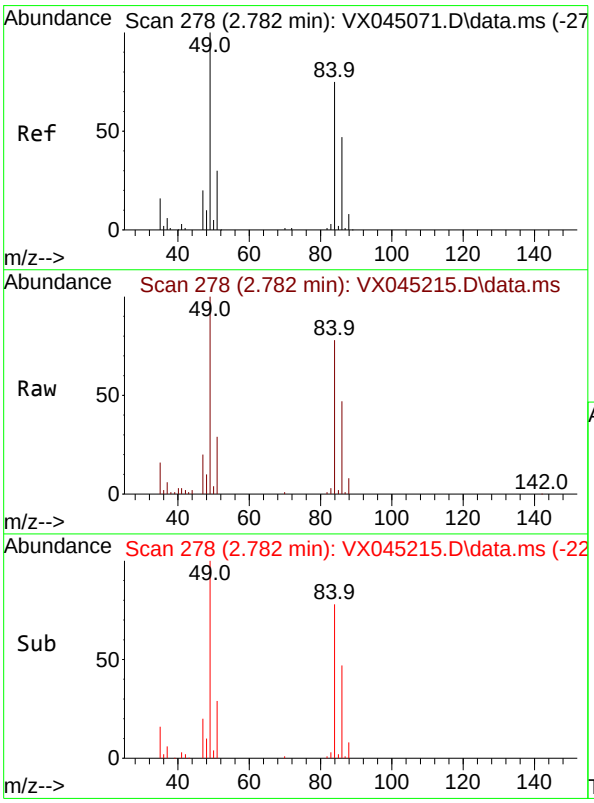
#19
Methyl tert-butyl Ether
Concen: 19.270 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 73 Resp: 73152

Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.5	27.7

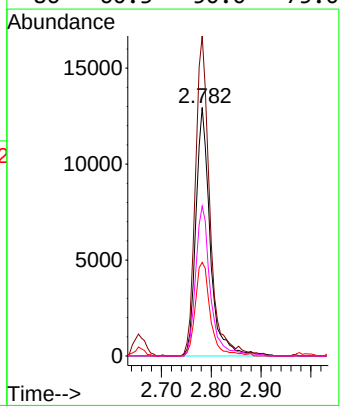


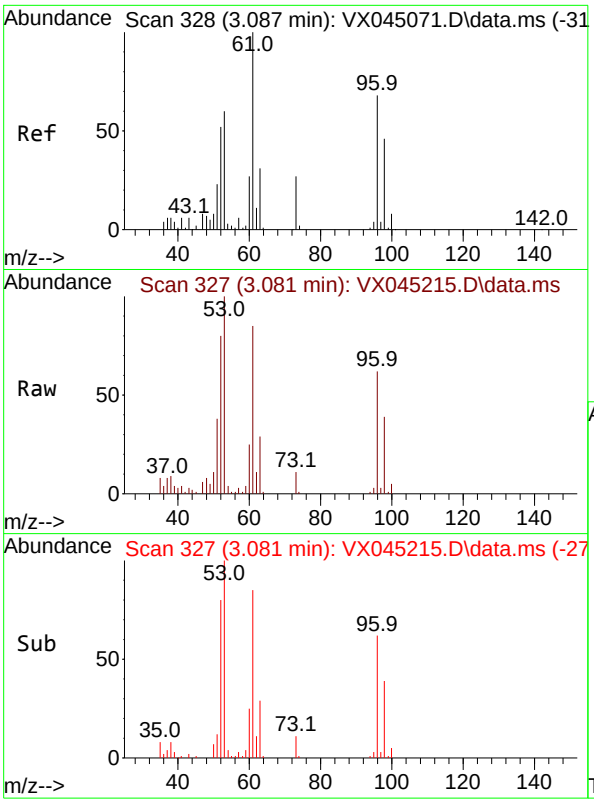


#20
Methylene Chloride
Concen: 19.167 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 84 Resp: 25802

Ion	Ratio	Lower	Upper
84	100		
49	128.8	106.5	159.7
51	37.7	32.1	48.1
86	60.3	50.0	75.0



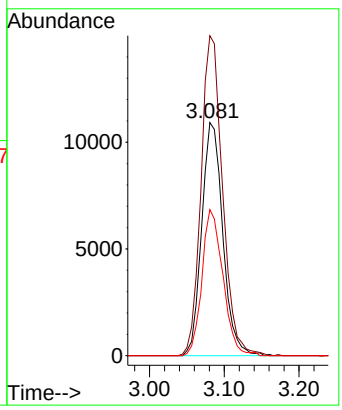


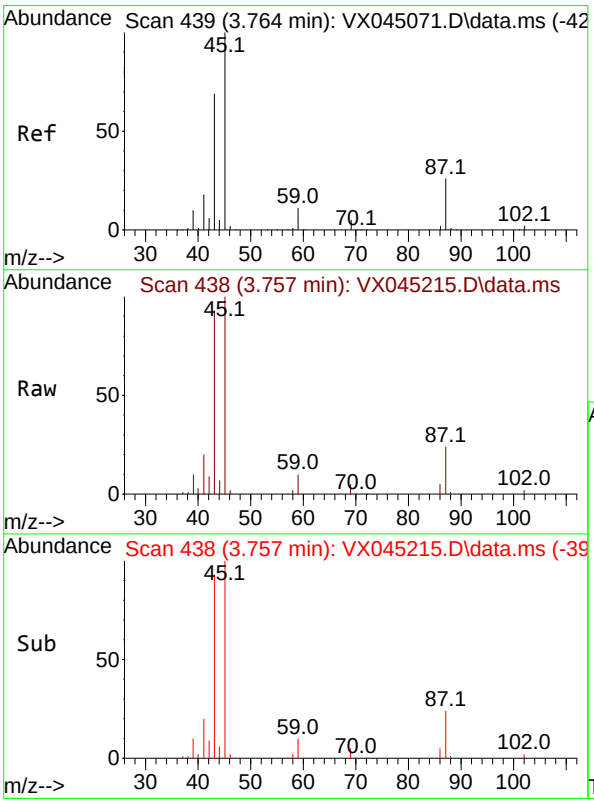
#21
trans-1,2-Dichloroethene
Concen: 19.168 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 96 Resp: 21427

Ion	Ratio	Lower	Upper
96	100		
61	137.3	117.0	175.4
98	62.7	53.4	80.2

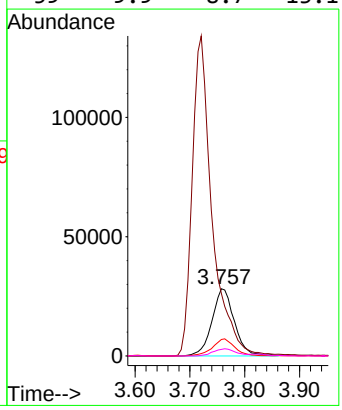


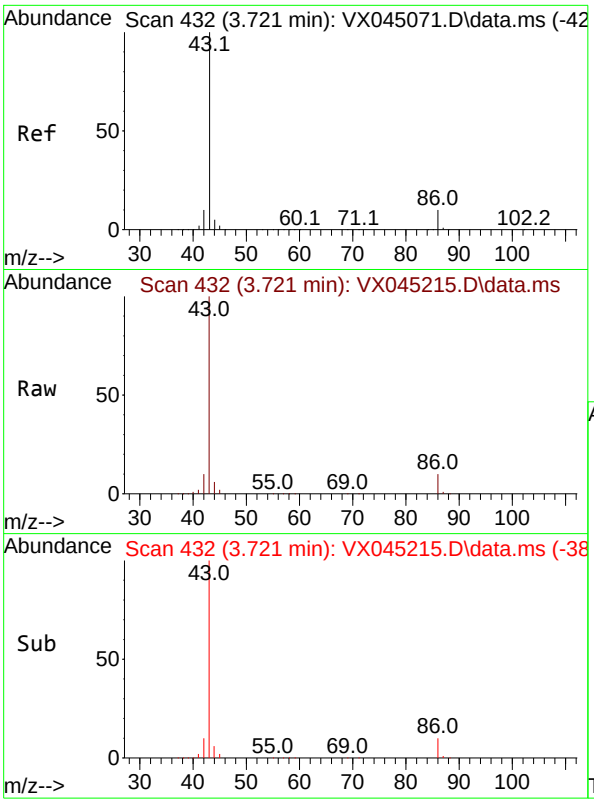


#22
Diisopropyl ether
Concen: 19.499 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 45 Resp: 79872

Ion	Ratio	Lower	Upper
45	100		
43	91.5	54.9	82.3#
87	24.5	21.0	31.4
59	9.9	8.7	13.1



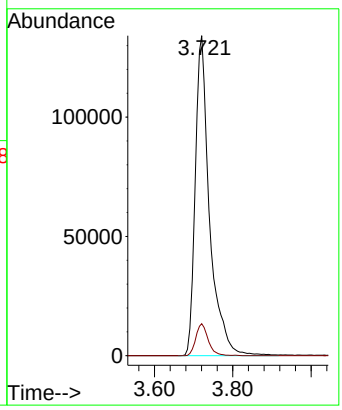


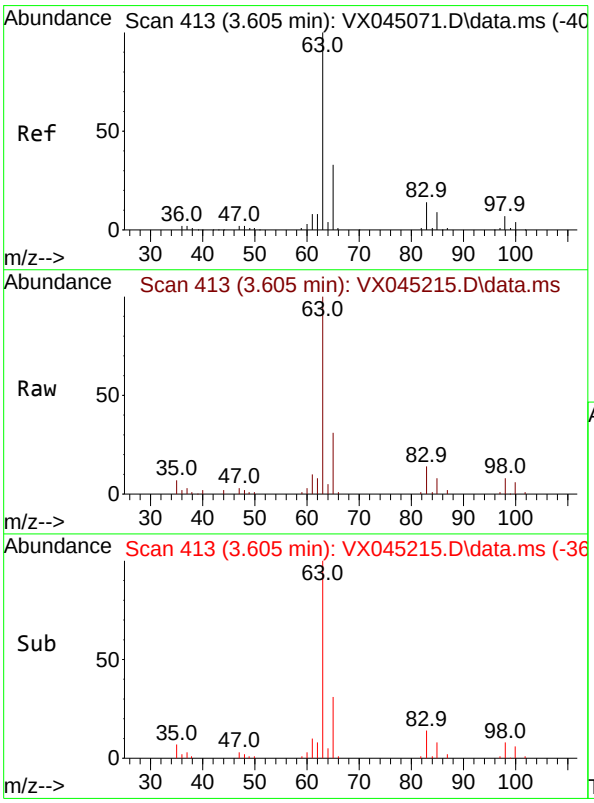
#23
Vinyl Acetate
Concen: 99.830 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 43 Resp: 341251

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

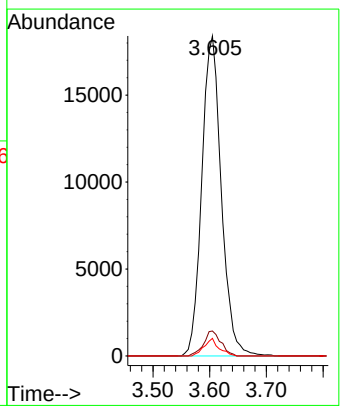


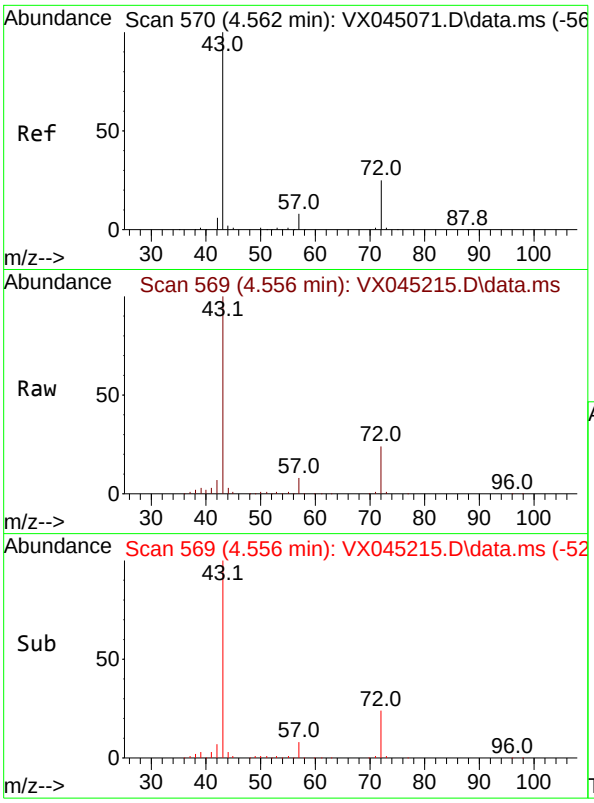


#24
1,1-Dichloroethane
Concen: 19.162 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 63 Resp: 43990

Ion	Ratio	Lower	Upper
63	100		
98	7.8	3.4	10.2
100	5.5	2.1	6.5



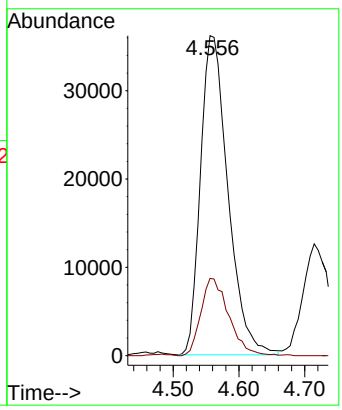


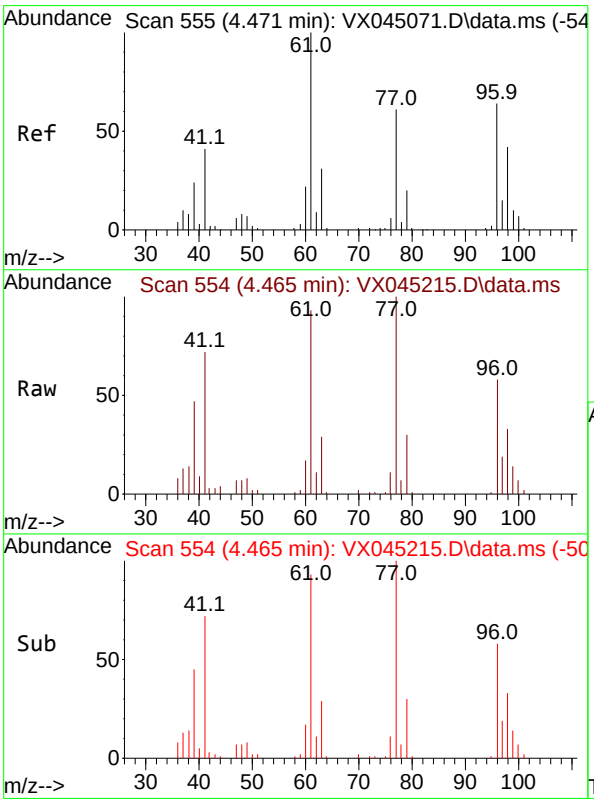
#25
2-Butanone
Concen: 102.904 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 43 Resp: 105263

Ion	Ratio	Lower	Upper
43	100		
72	24.2	20.0	30.0

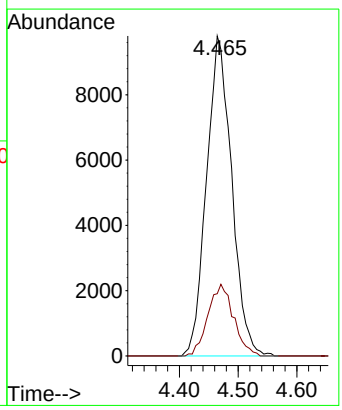


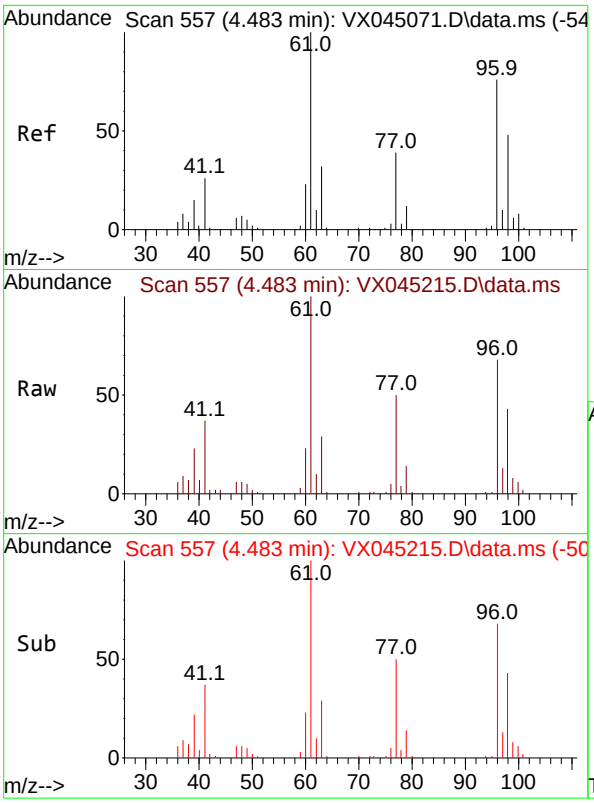


#26
2,2-Dichloropropane
Concen: 27.101 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 77 Resp: 29182

Ion	Ratio	Lower	Upper
77	100		
97	22.8	12.4	37.0



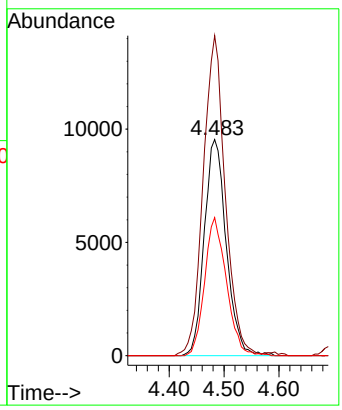


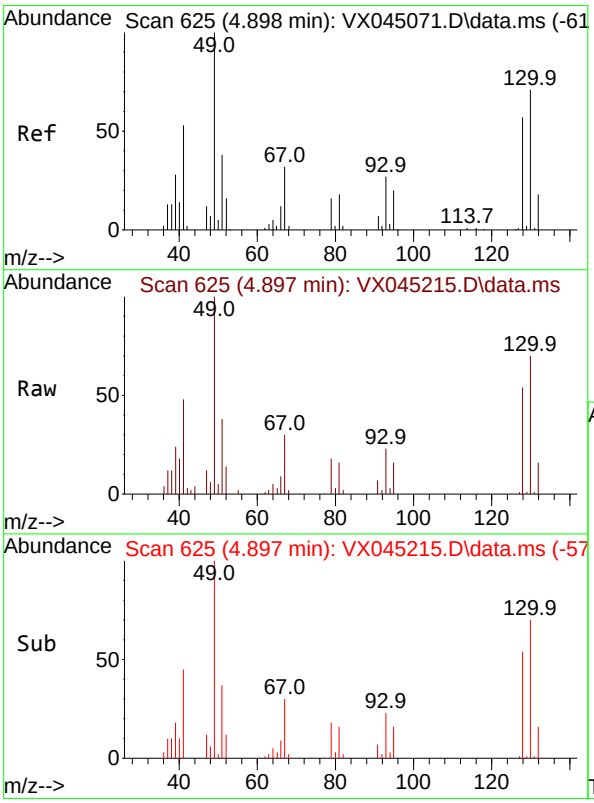
#27
cis-1,2-Dichloroethene
Concen: 19.212 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 96 Resp: 26511

Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	283.2
98	63.4	0.0	128.0

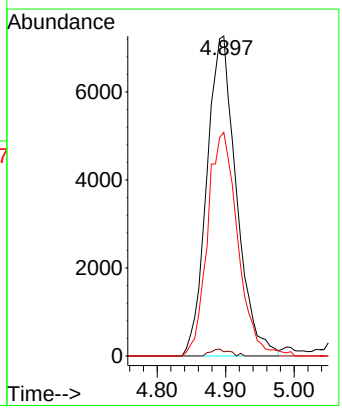


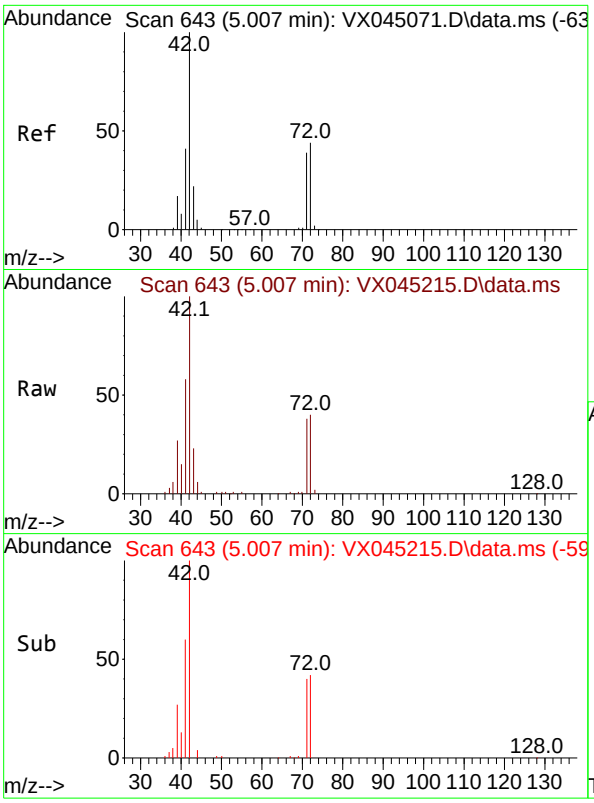


#28
Bromochloromethane
Concen: 19.924 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 49 Resp: 21801

Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.4
130	71.4	56.1	84.1



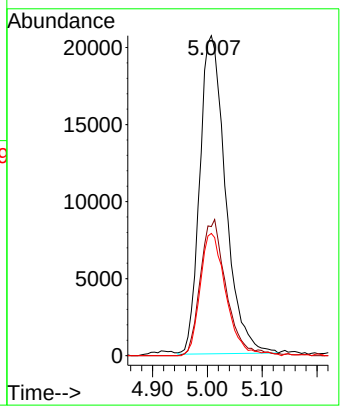


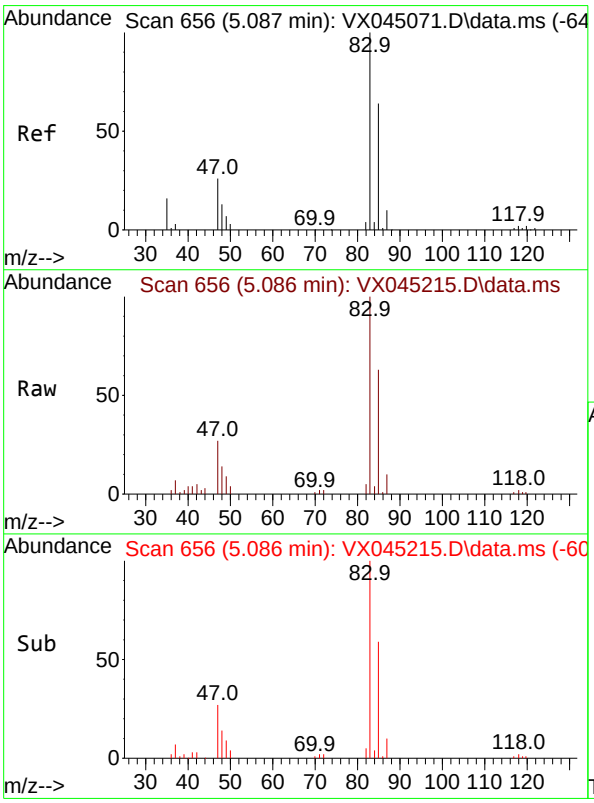
#29
Tetrahydrofuran
Concen: 98.050 ug/l
RT: 5.007 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 42 Resp: 67355

Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.1	51.1
71	38.5	31.4	47.0

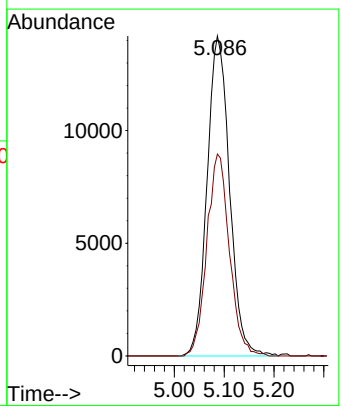


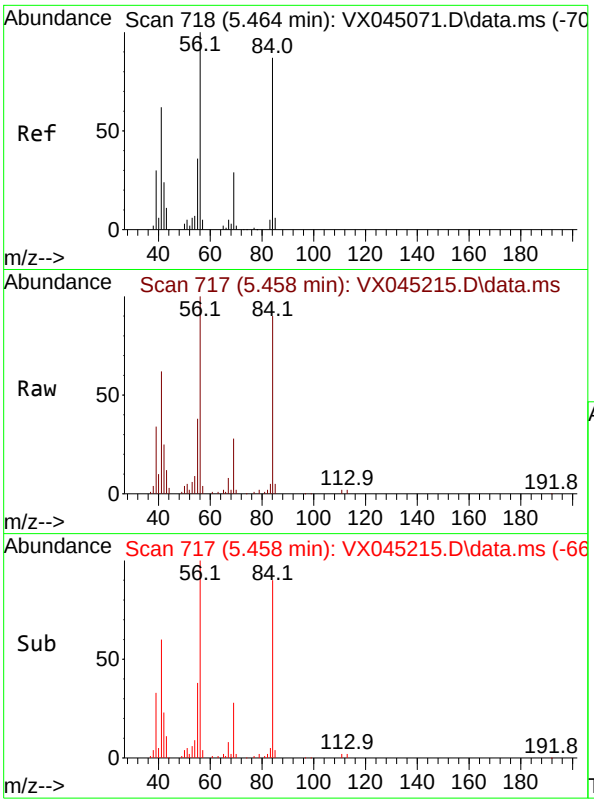


#30
Chloroform
Concen: 19.477 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 83 Resp: 44426

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.4	77.2



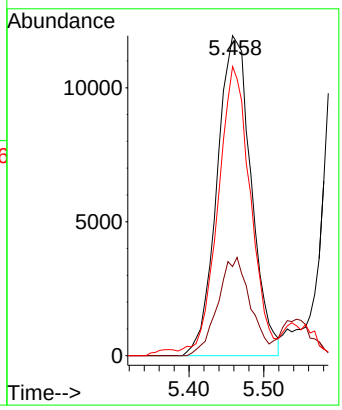


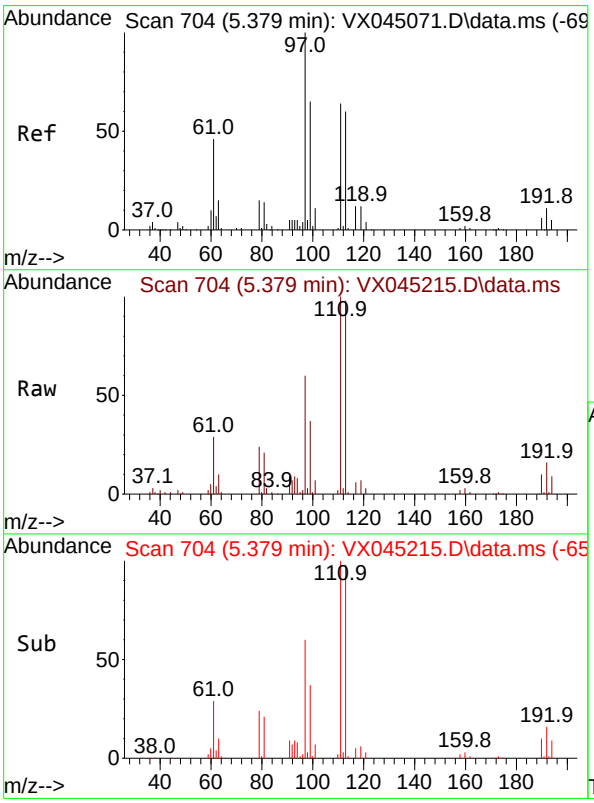
#31
Cyclohexane
Concen: 19.062 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 56 Resp: 37985

Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.4	35.2
84	88.9	69.4	104.2

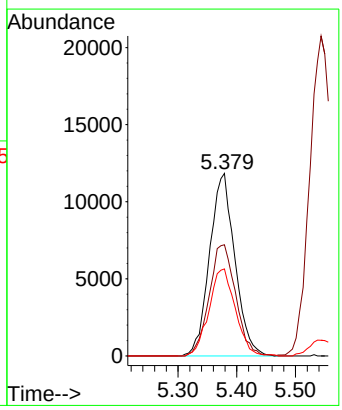


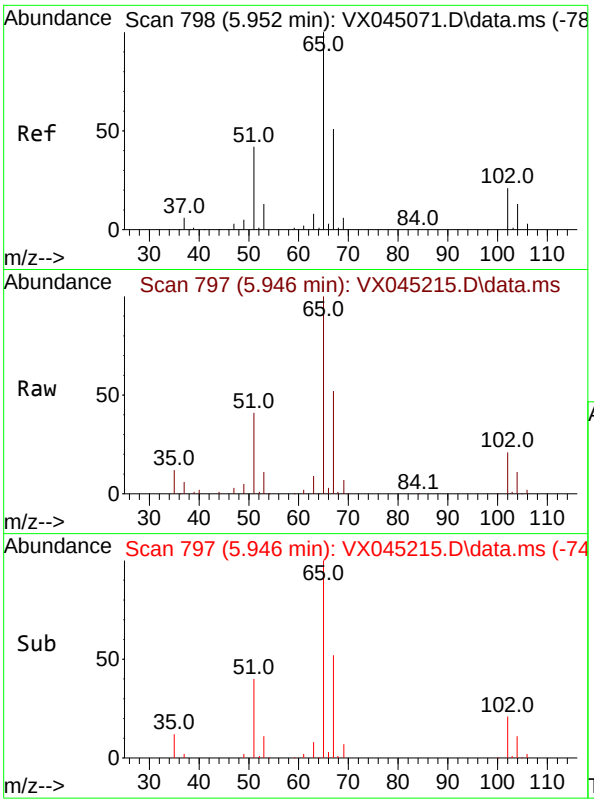


#32
1,1,1-Trichloroethane
Concen: 19.223 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 97 Resp: 35413

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	49.7	38.4	57.6



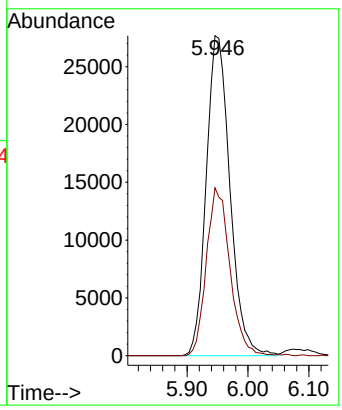


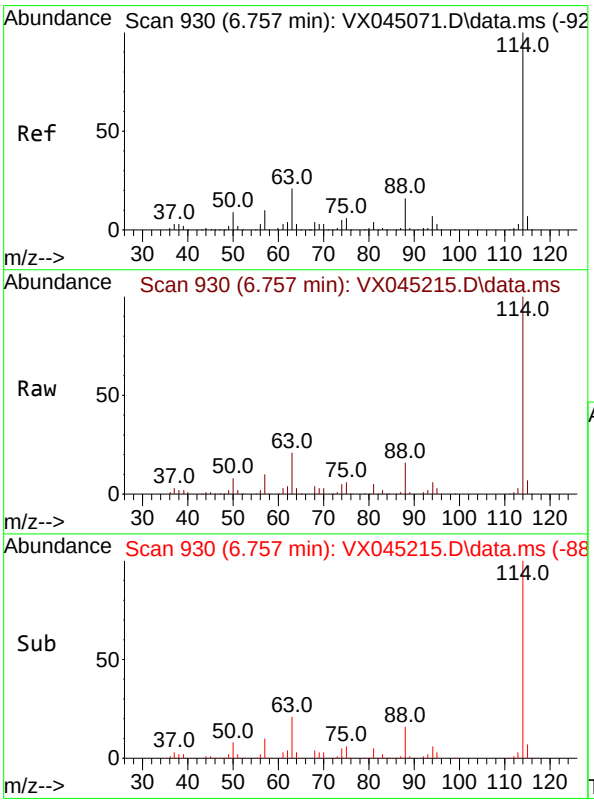
#33
1,2-Dichloroethane-d4
Concen: 51.107 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 65 Resp: 74856

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	106.2

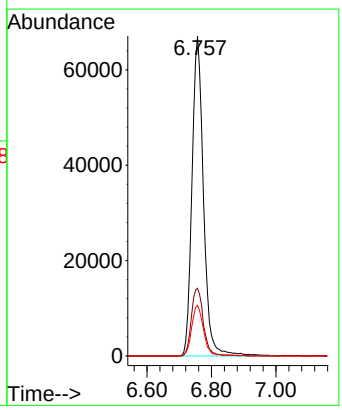


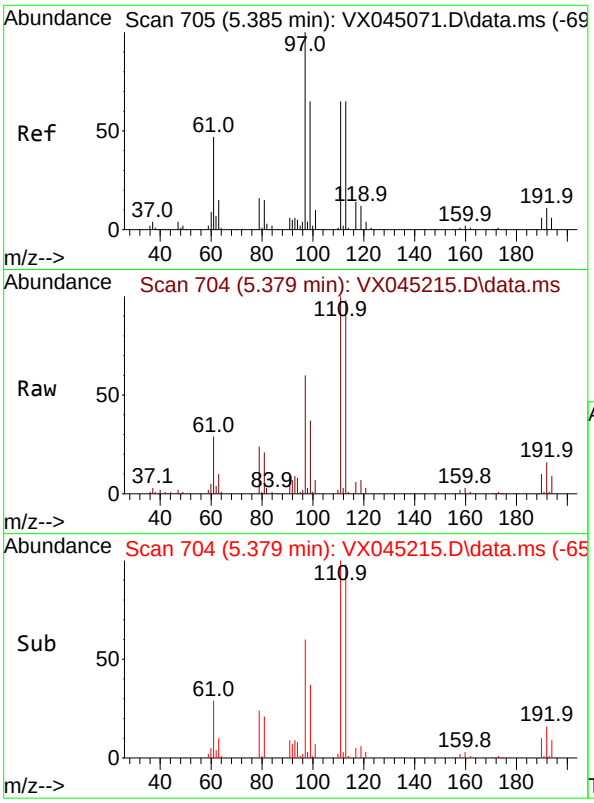


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:114 Resp: 166231

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.8
88	15.8	0.0	32.8



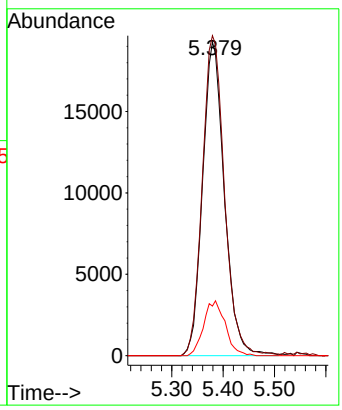


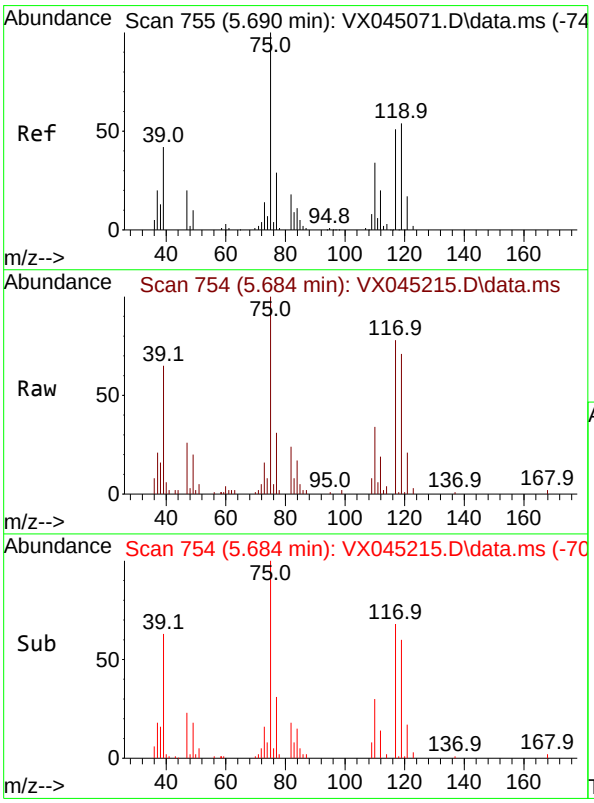
#35
Dibromofluoromethane
Concen: 50.961 ug/l
RT: 5.379 min Scan# 7(
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:113 Resp: 56645

Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.6
192	17.5	14.3	21.5

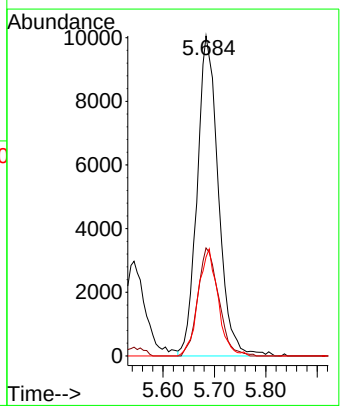


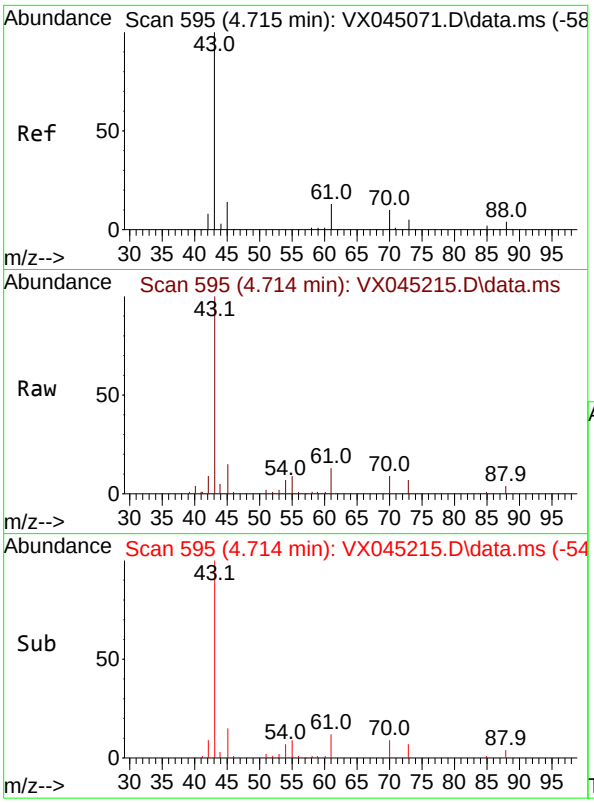


#36
1,1-Dichloropropene
Concen: 18.925 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 75 Resp: 28849

Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.9	50.6
77	31.4	24.5	36.7



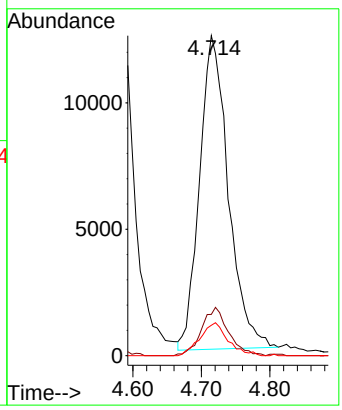


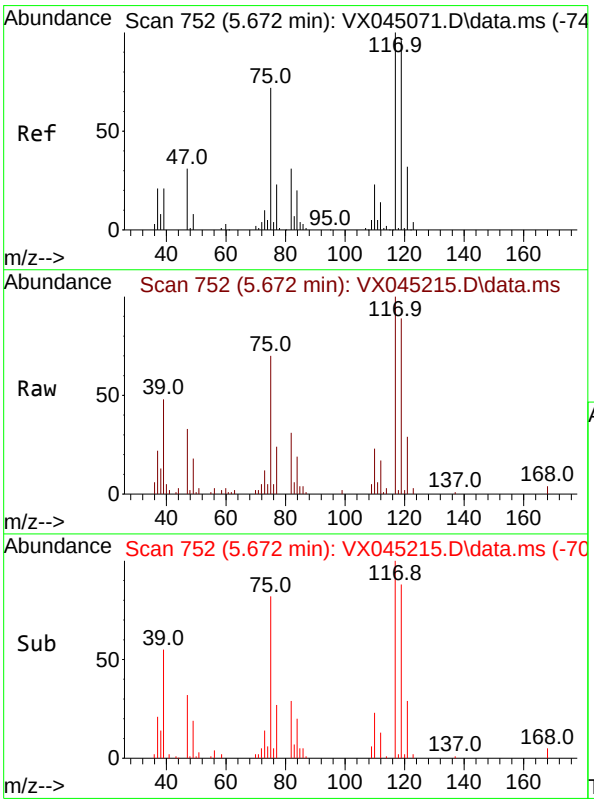
#37
Ethyl Acetate
Concen: 18.433 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 43 Resp: 36207

Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.8	16.2
70	10.2	7.7	11.5

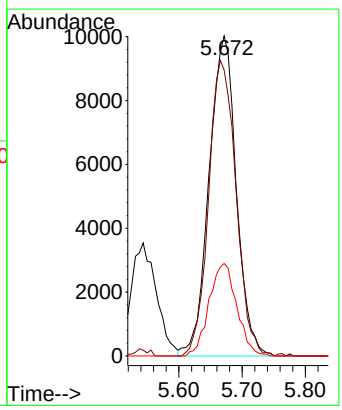


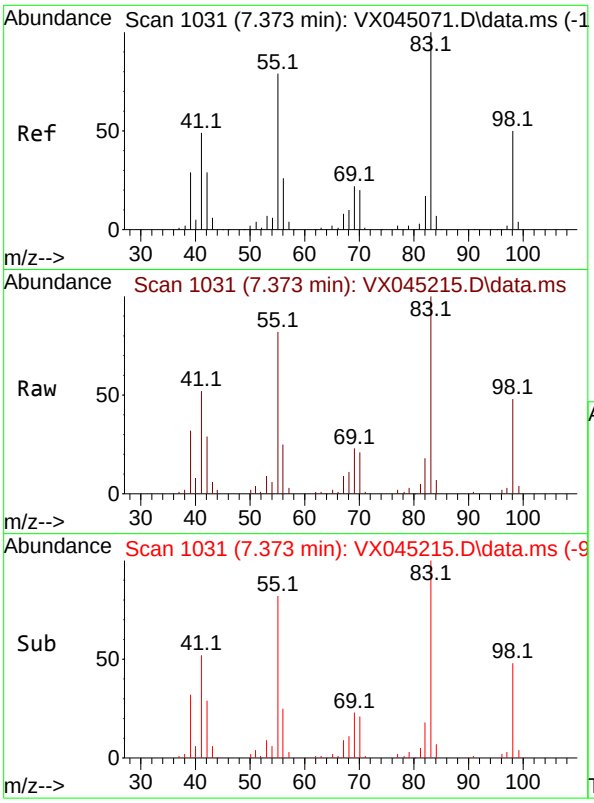


#38
Carbon Tetrachloride
Concen: 19.378 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:117 Resp: 29989

Ion	Ratio	Lower	Upper
117	100		
119	89.4	76.7	115.1
121	28.9	25.5	38.3



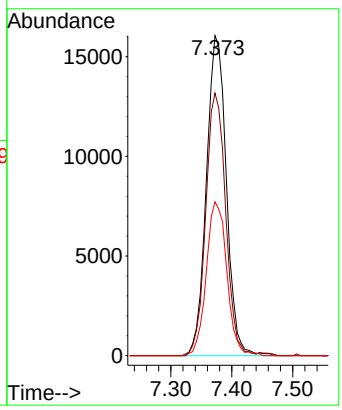


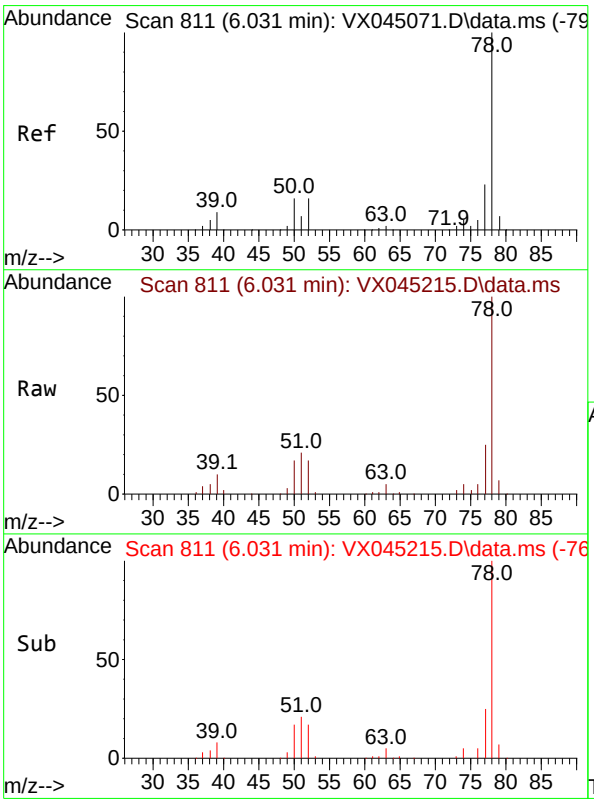
#39
Methylcyclohexane
Concen: 20.064 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 83 Resp: 36647

Ion	Ratio	Lower	Upper
83	100		
55	82.0	63.0	94.4
98	48.1	39.7	59.5

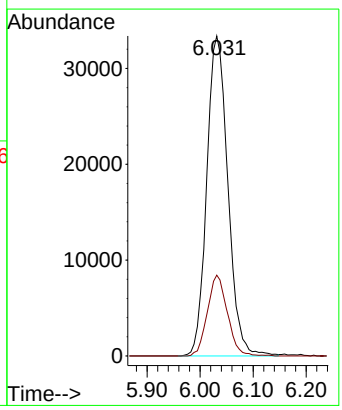


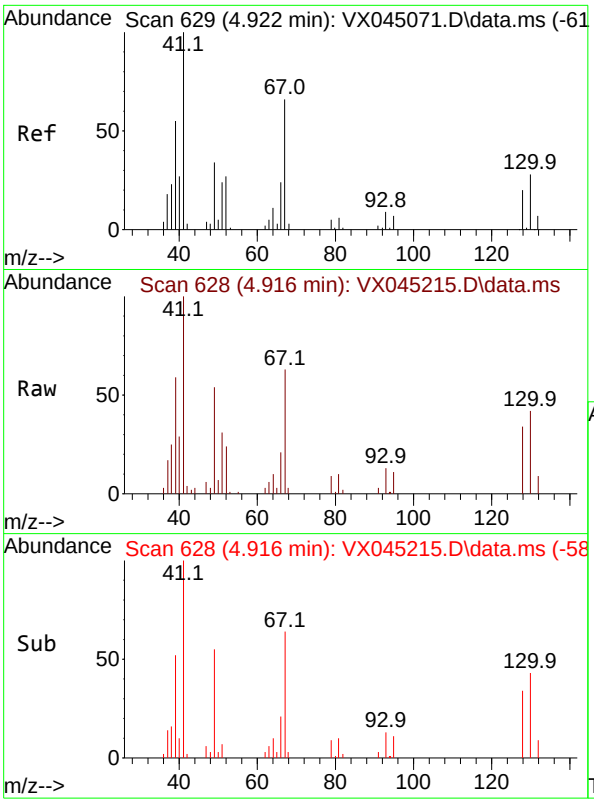


#40
Benzene
Concen: 19.208 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 78 Resp: 92458

Ion	Ratio	Lower	Upper
78	100		
77	25.3	18.8	28.2



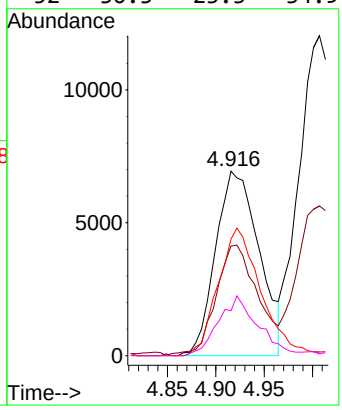


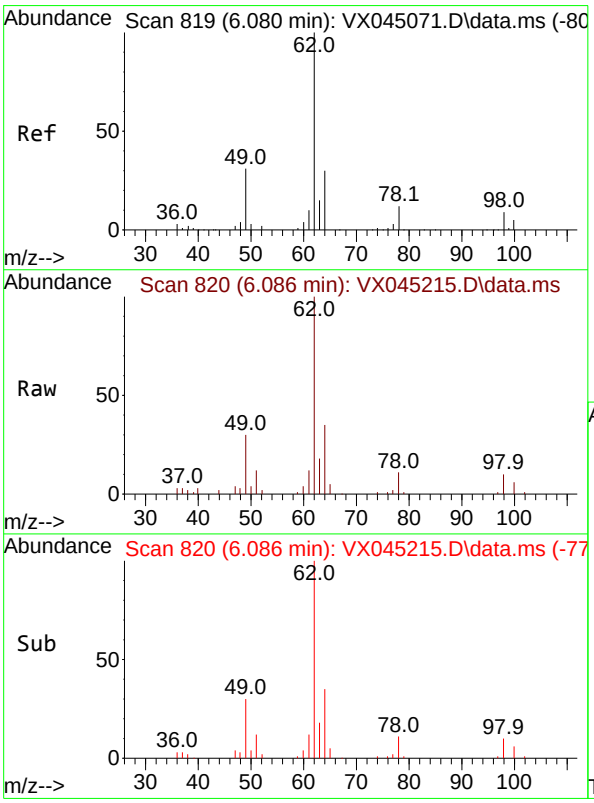
#41
Methacrylonitrile
Concen: 20.493 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 41 Resp: 21766

Ion	Ratio	Lower	Upper
41	100		
39	57.7	44.6	67.0
67	68.5	53.9	80.9
52	30.3	23.3	34.9

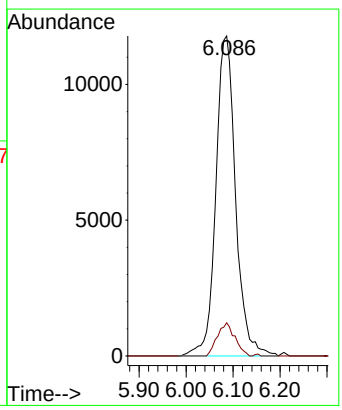


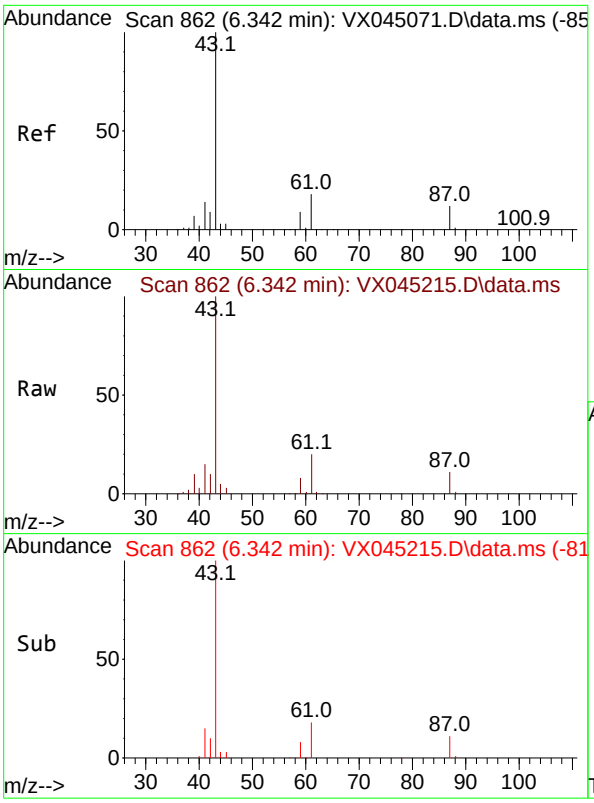


#42
1,2-Dichloroethane
Concen: 19.864 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 62 Resp: 34432

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2



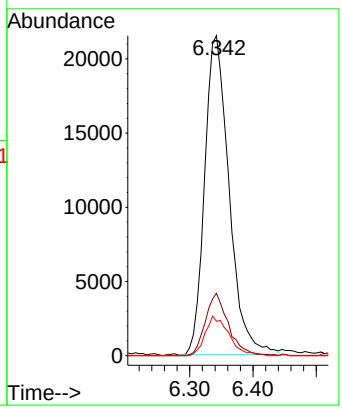


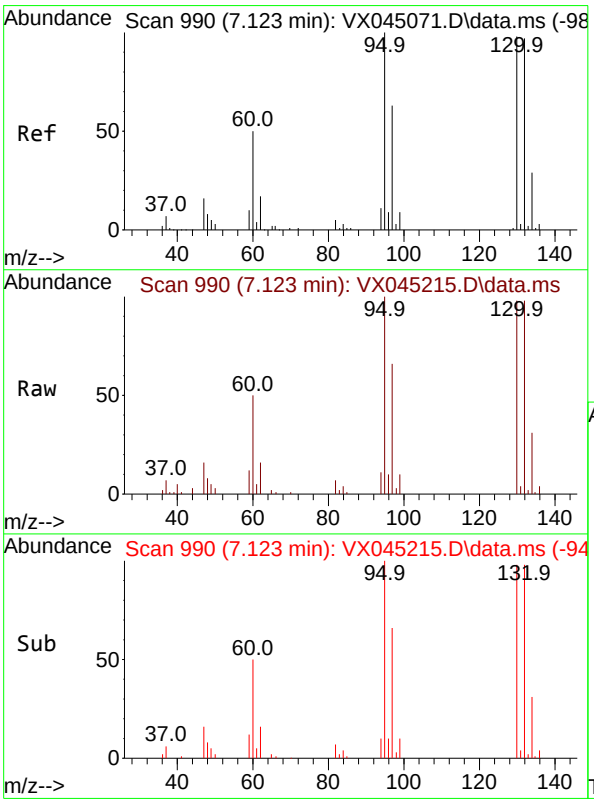
#43
Isopropyl Acetate
Concen: 19.925 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 43 Resp: 57873

Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.9	22.3
87	11.9	9.4	14.2

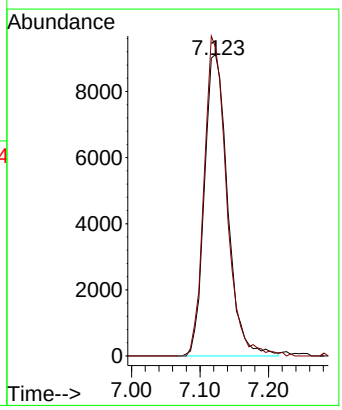


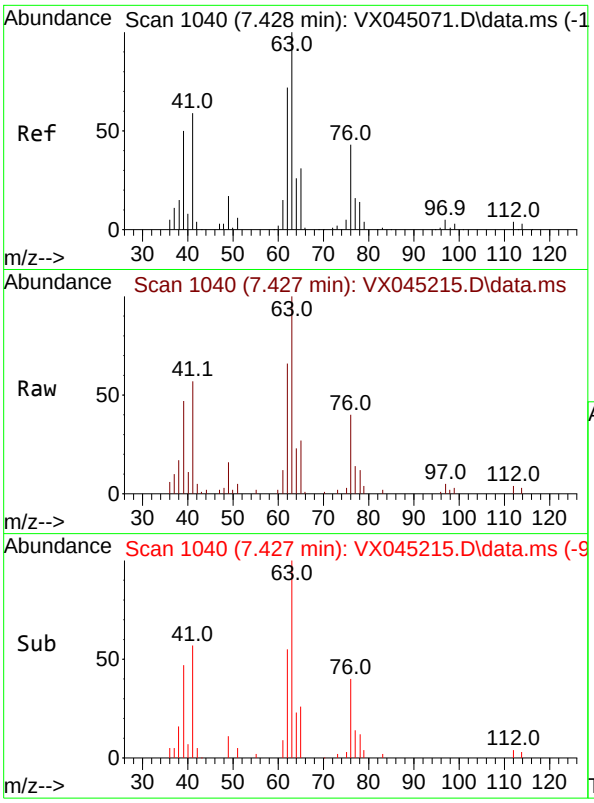


#44
Trichloroethene
Concen: 19.021 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:130 Resp: 21499

Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	205.0



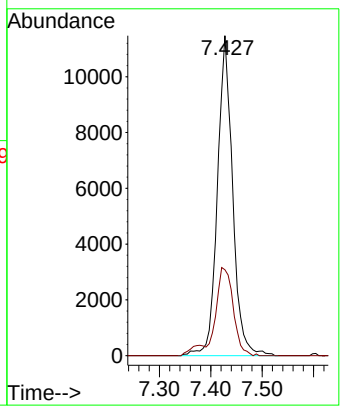


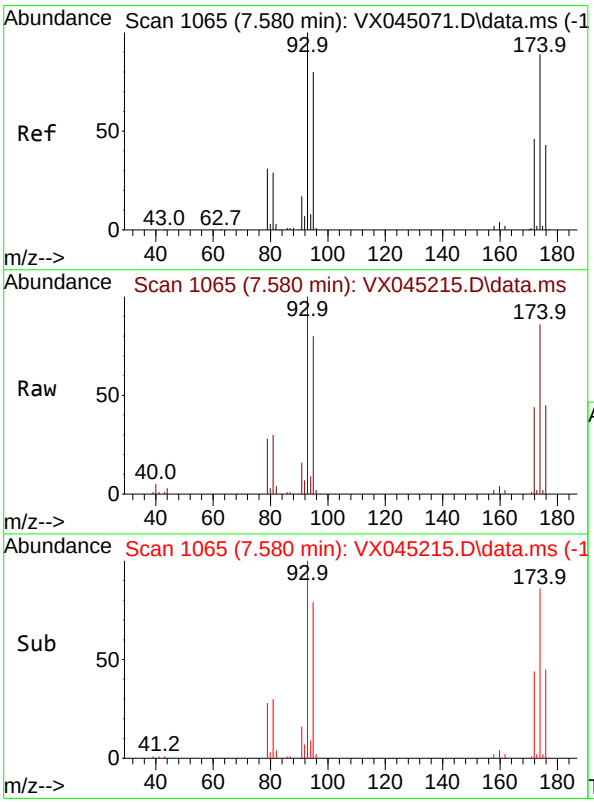
#45
1,2-Dichloropropane
Concen: 19.071 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 63 Resp: 23603

Ion	Ratio	Lower	Upper
63	100		
65	26.8	24.7	37.1

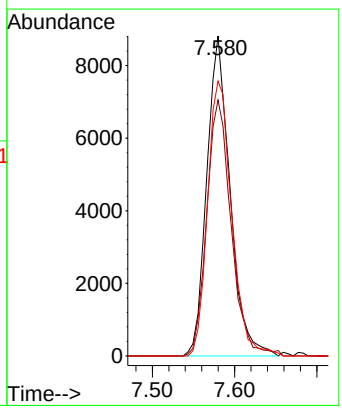


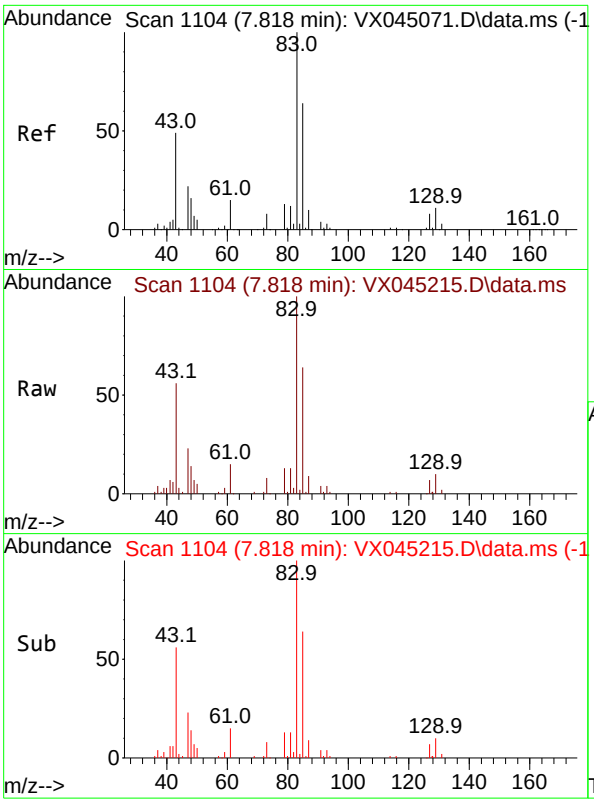


#46
Dibromomethane
Concen: 19.824 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 93 Resp: 17341

Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.8	98.8
174	89.0	72.2	108.2



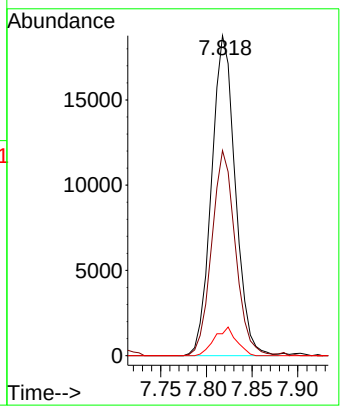


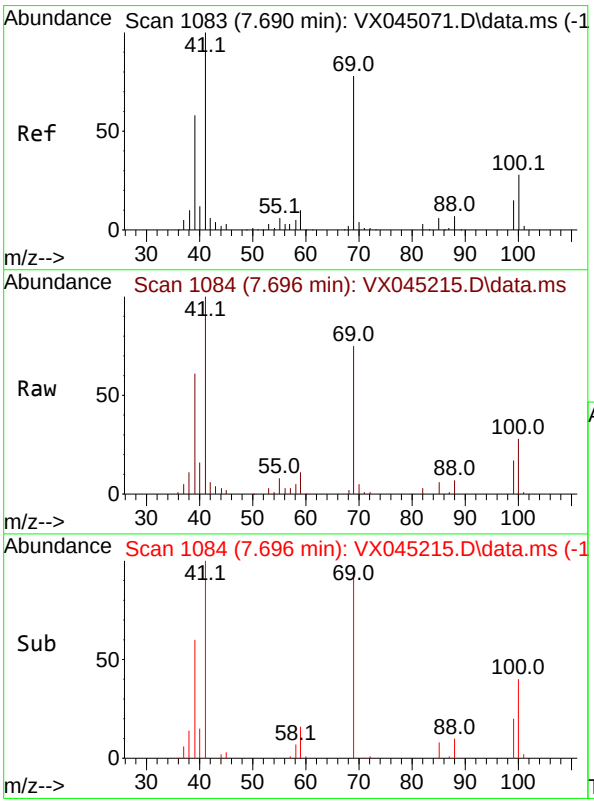
#47
Bromodichloromethane
Concen: 19.769 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 83 Resp: 33921

Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	6.8	6.4	9.6

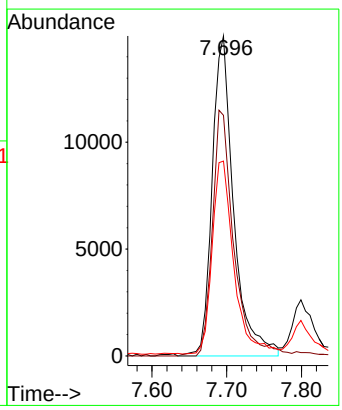


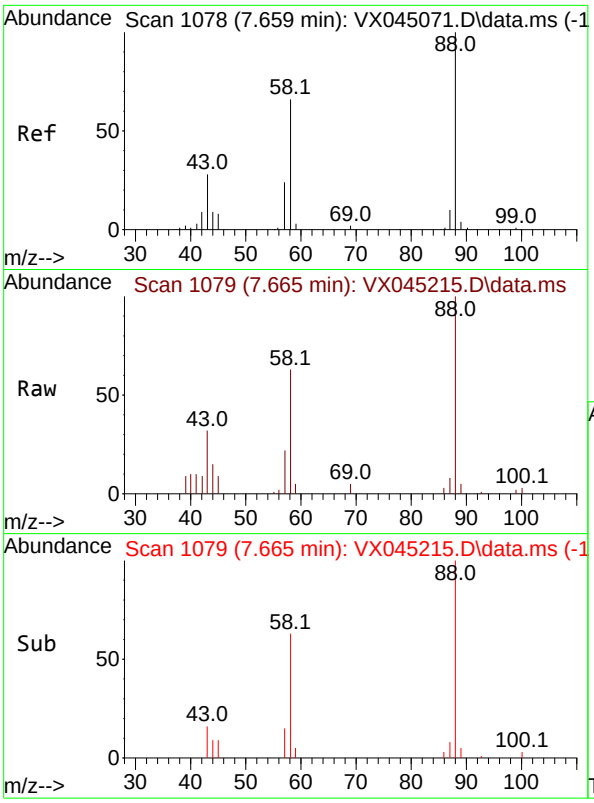


#48
Methyl methacrylate
Concen: 20.560 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 41 Resp: 29960

Ion	Ratio	Lower	Upper
41	100		
69	76.1	63.0	94.6
39	60.6	47.5	71.3



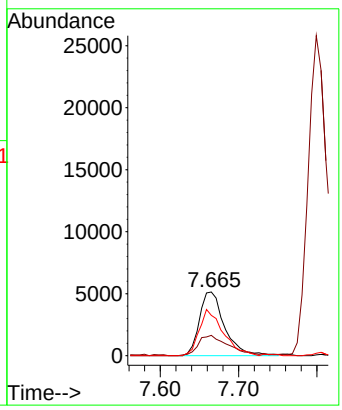


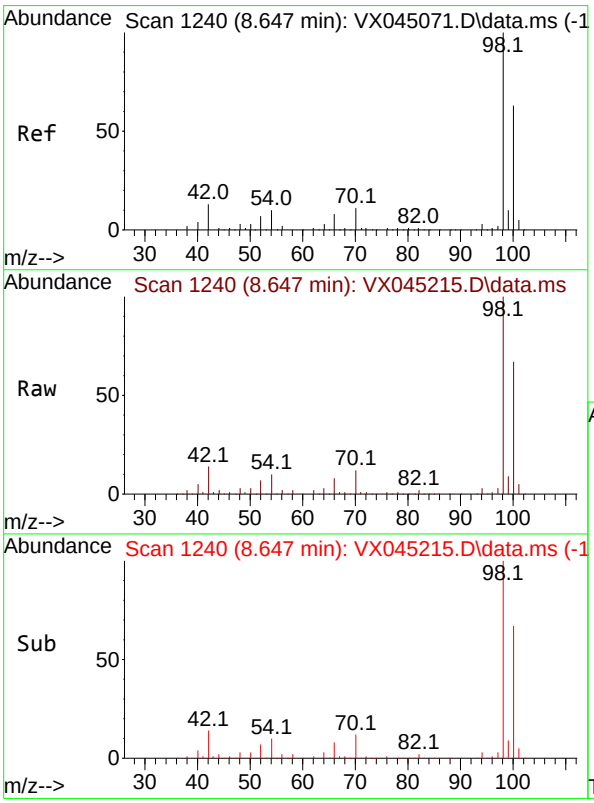
#49
1,4-Dioxane
Concen: 372.504 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 88 Resp: 11450

Ion	Ratio	Lower	Upper
88	100		
43	39.7	28.7	43.1
58	69.0	55.8	83.8

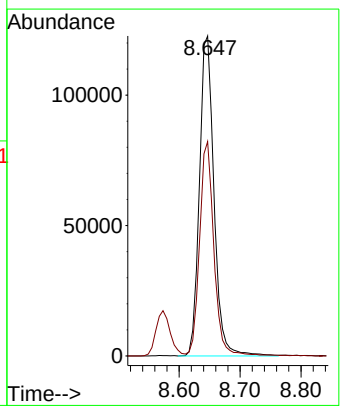


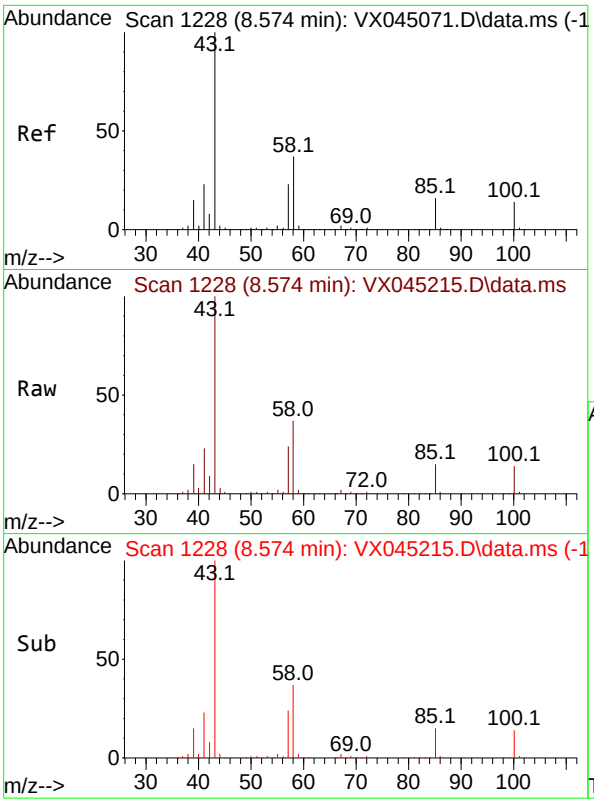


#50
Toluene-d8
Concen: 50.659 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 98 Resp: 204141

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0



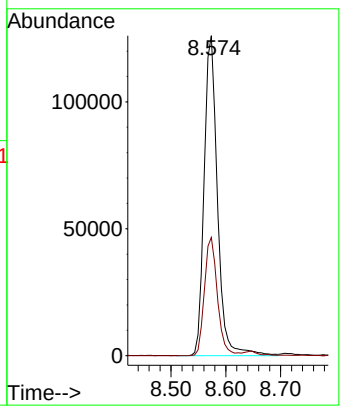


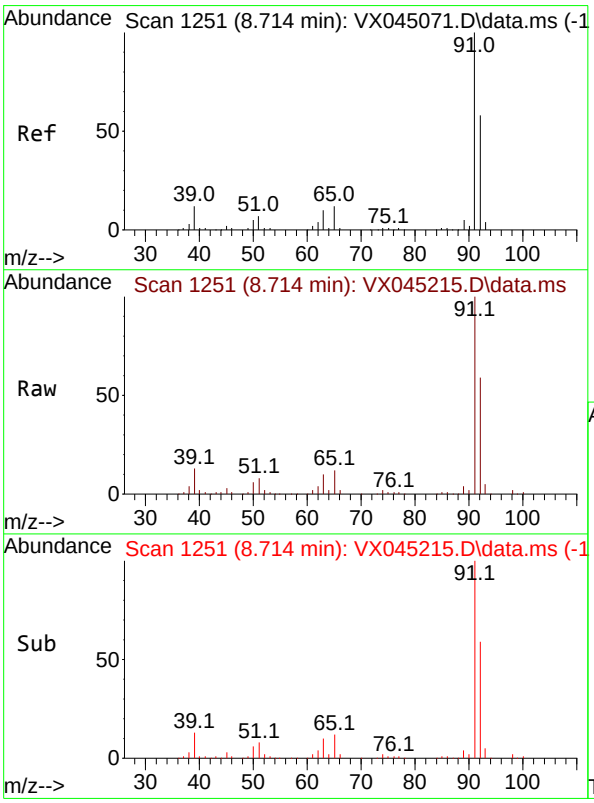
#51
4-Methyl-2-Pentanone
Concen: 108.934 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 43 Resp: 212449

Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.2	43.8

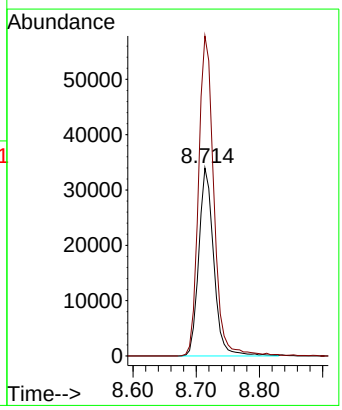


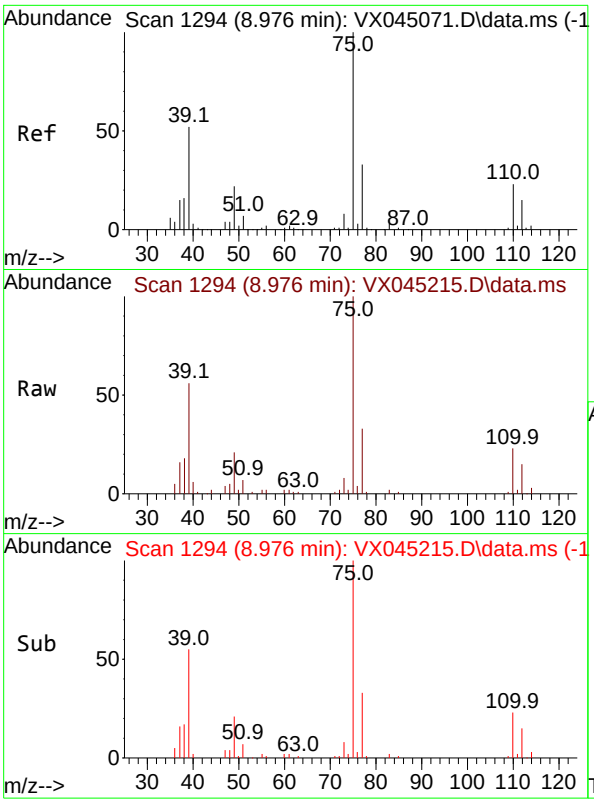


#52
Toluene
Concen: 19.831 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 92 Resp: 56008

Ion	Ratio	Lower	Upper
92	100		
91	174.5	138.9	208.3



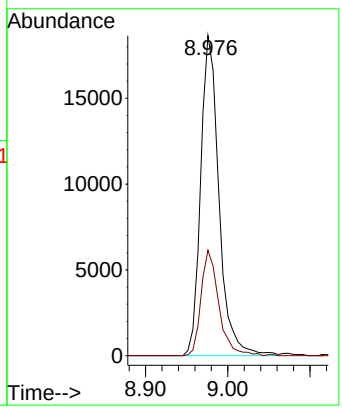


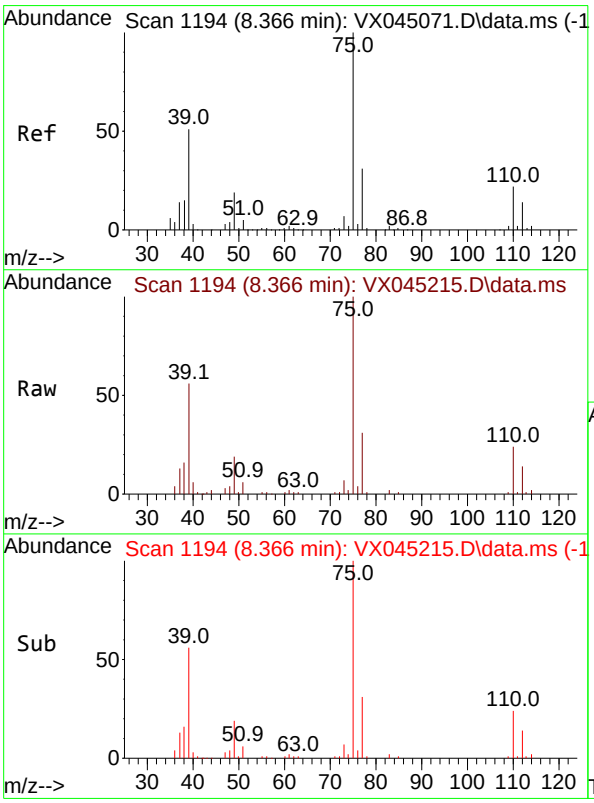
#53
t-1,3-Dichloropropene
Concen: 20.143 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 75 Resp: 28894

Ion	Ratio	Lower	Upper
75	100		
77	33.0	26.5	39.7

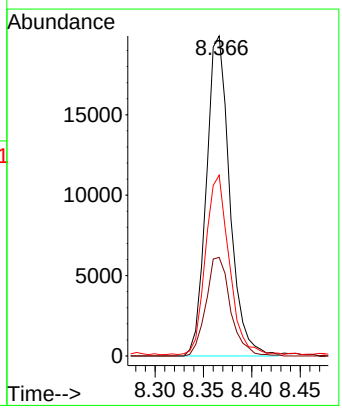


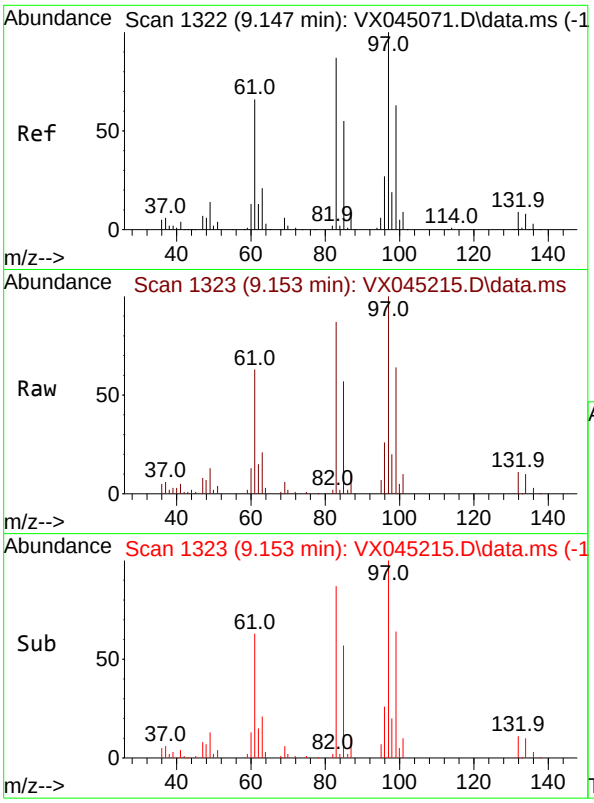


#54
cis-1,3-Dichloropropene
Concen: 20.066 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 75 Resp: 33564

Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.7	37.1
39	56.0	40.7	61.1



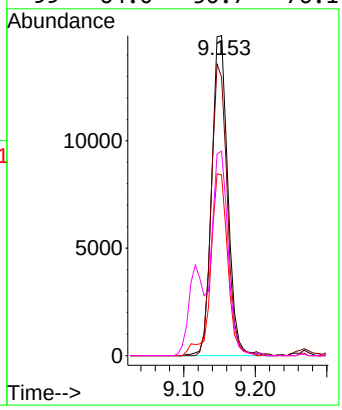


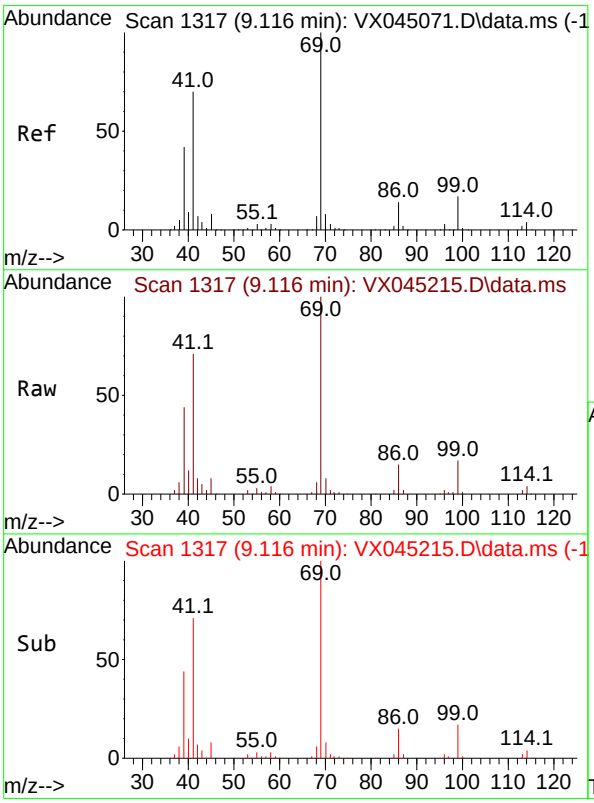
#55
1,1,2-Trichloroethane
Concen: 20.024 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 97 Resp: 23281

Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.4	104.2
85	56.5	44.1	66.1
99	64.0	50.7	76.1

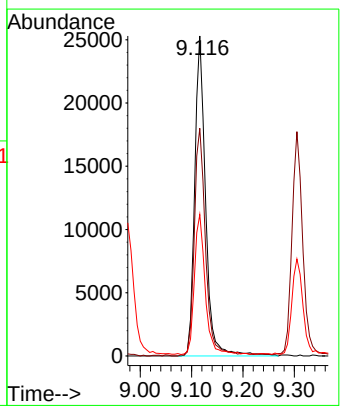


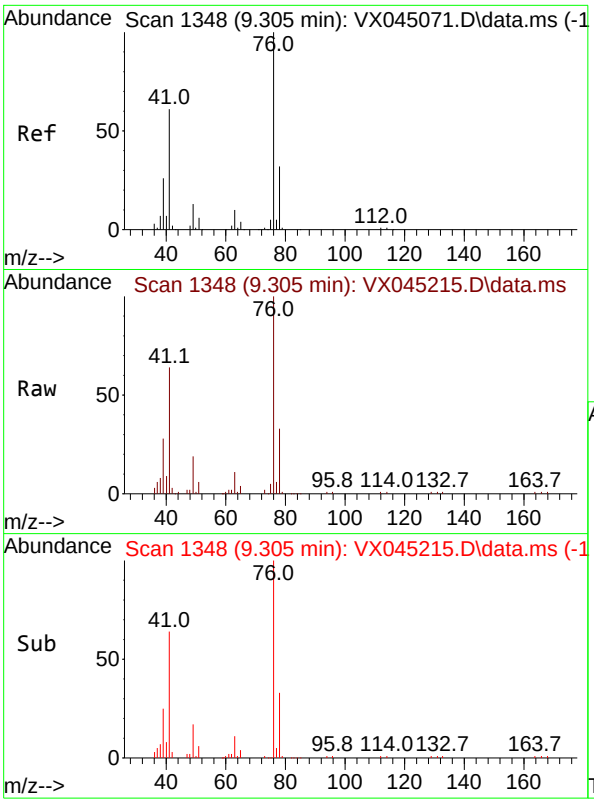


#56
Ethyl methacrylate
Concen: 21.080 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 69 Resp: 37256

Ion	Ratio	Lower	Upper
69	100		
41	73.2	57.0	85.4
39	43.5	34.2	51.4



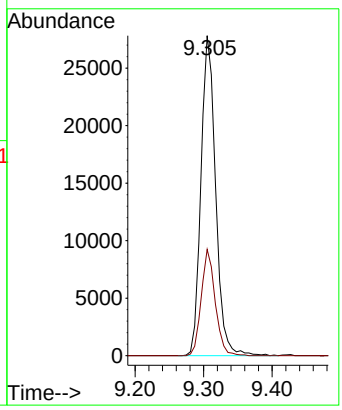


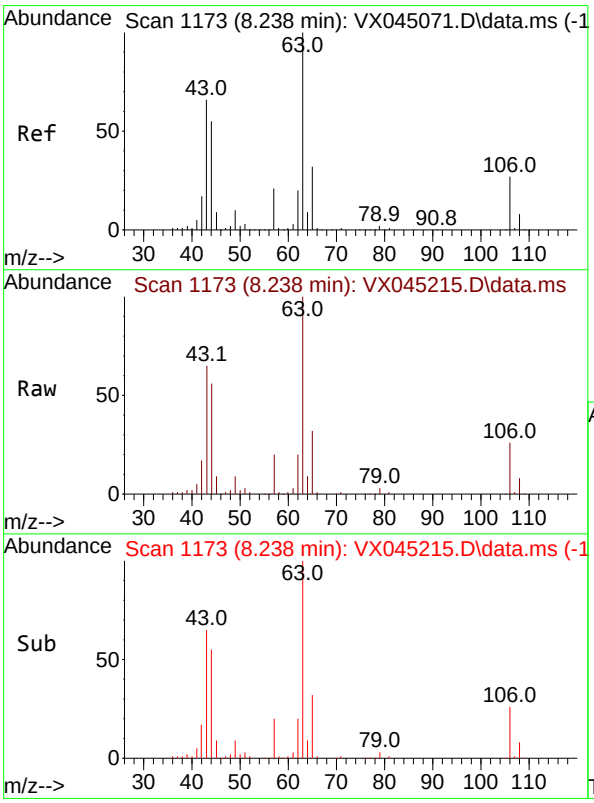
#57
1,3-Dichloropropane
Concen: 20.649 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 76 Resp: 41547

Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.5	38.3

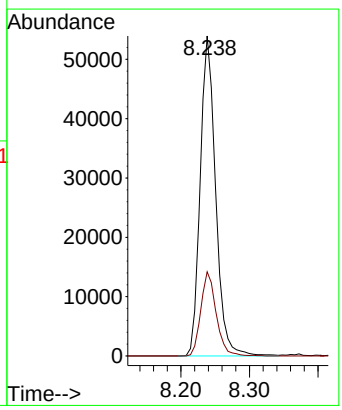


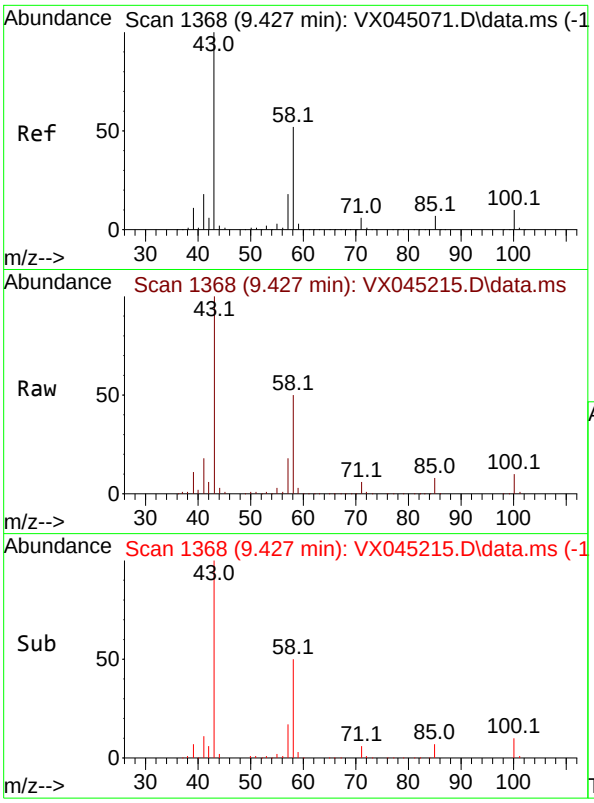


#58
2-Chloroethyl Vinyl ether
Concen: 98.289 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 63 Resp: 84737

Ion	Ratio	Lower	Upper
63	100		
106	26.2	21.5	32.3



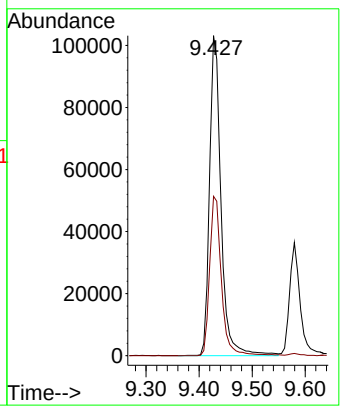


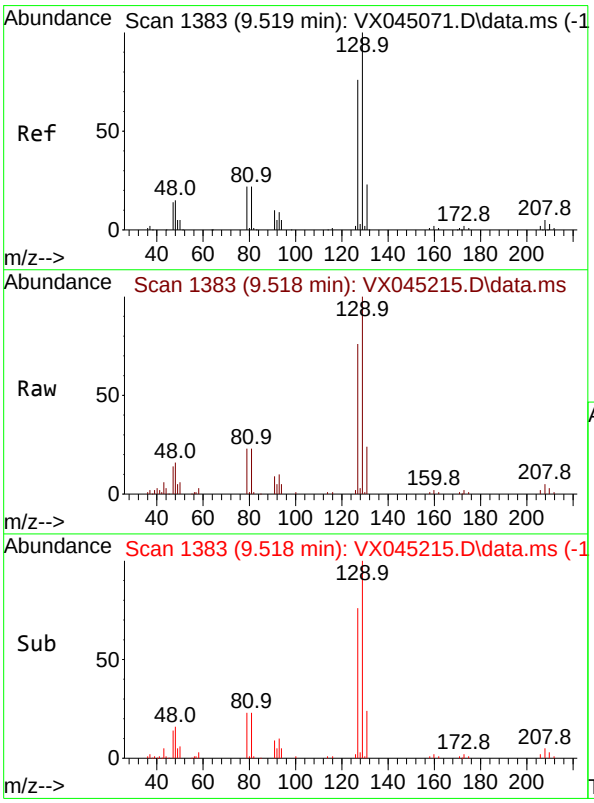
#59
2-Hexanone
Concen: 109.453 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 43 Resp: 154662

Ion	Ratio	Lower	Upper
43	100		
58	51.2	25.9	77.6

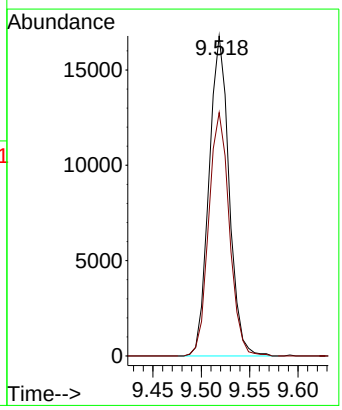


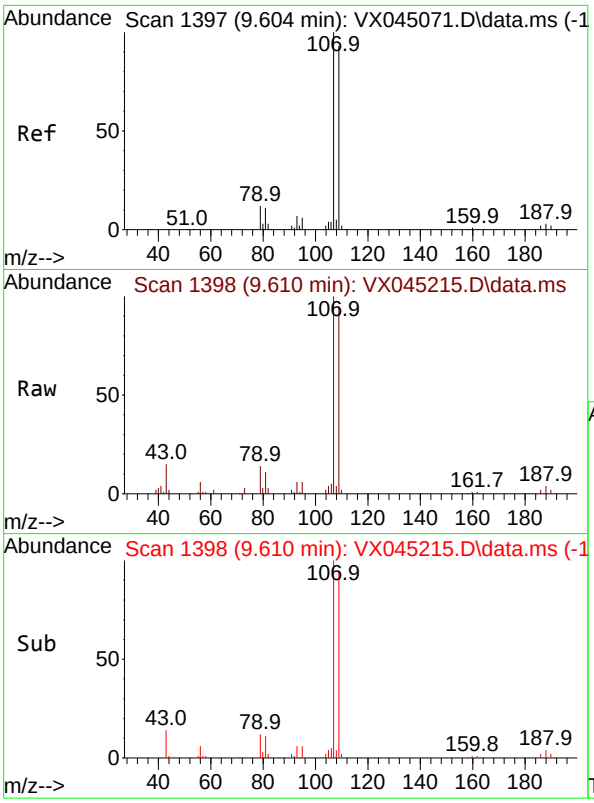


#60
Dibromochloromethane
Concen: 19.914 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:129 Resp: 24209

Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.5	115.5



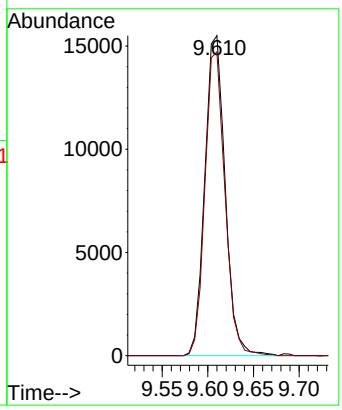


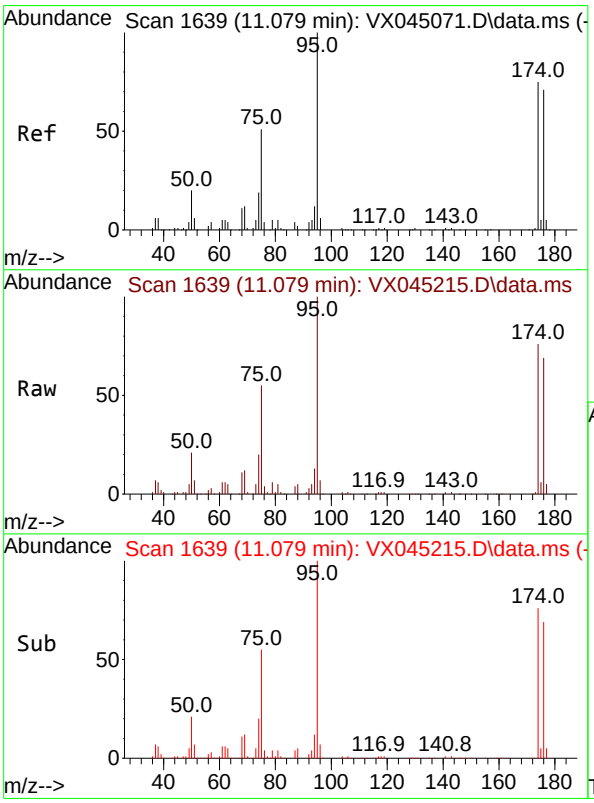
#61
1,2-Dibromoethane
Concen: 20.662 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:107 Resp: 23982

Ion	Ratio	Lower	Upper
107	100		
109	93.5	76.1	114.1

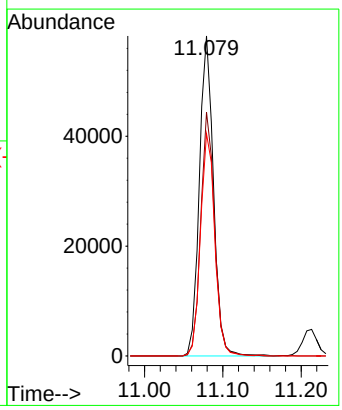


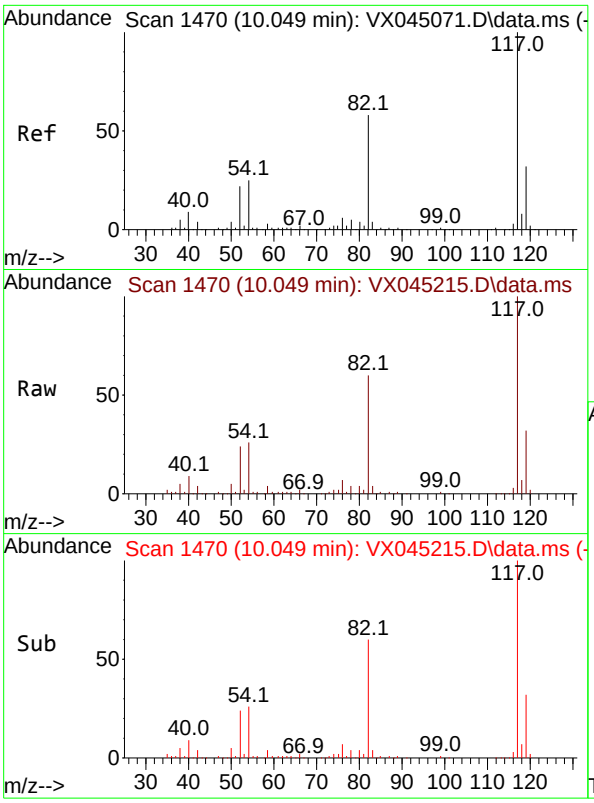


#62
4-Bromofluorobenzene
Concen: 54.440 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 95 Resp: 72695

Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	148.2
176	70.5	0.0	141.4



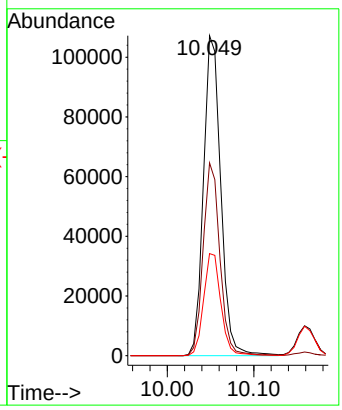


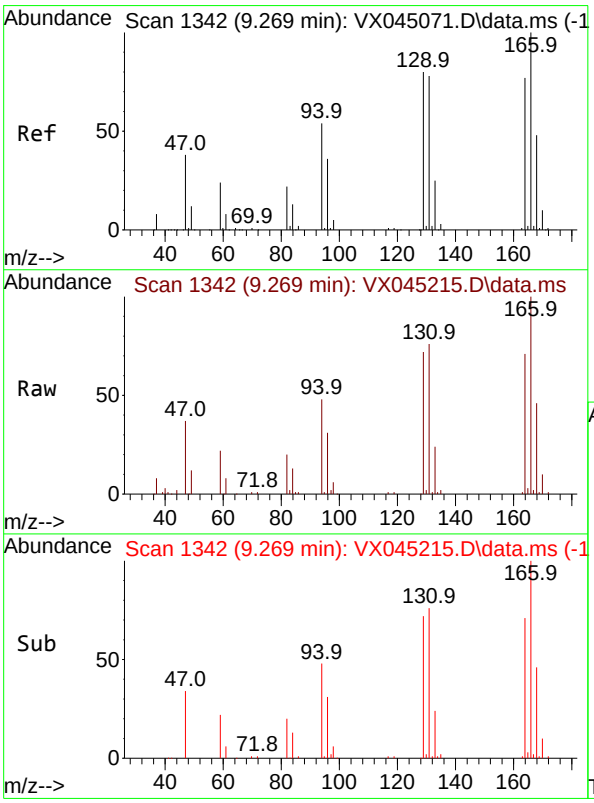
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:117 Resp: 148942

Ion	Ratio	Lower	Upper
117	100		
82	60.3	46.3	69.5
119	31.9	25.7	38.5

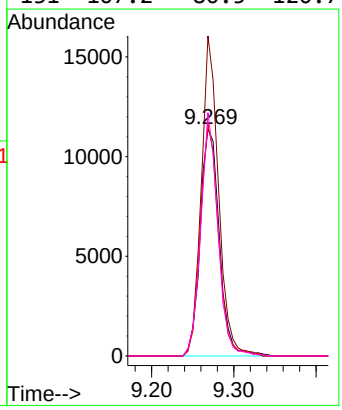


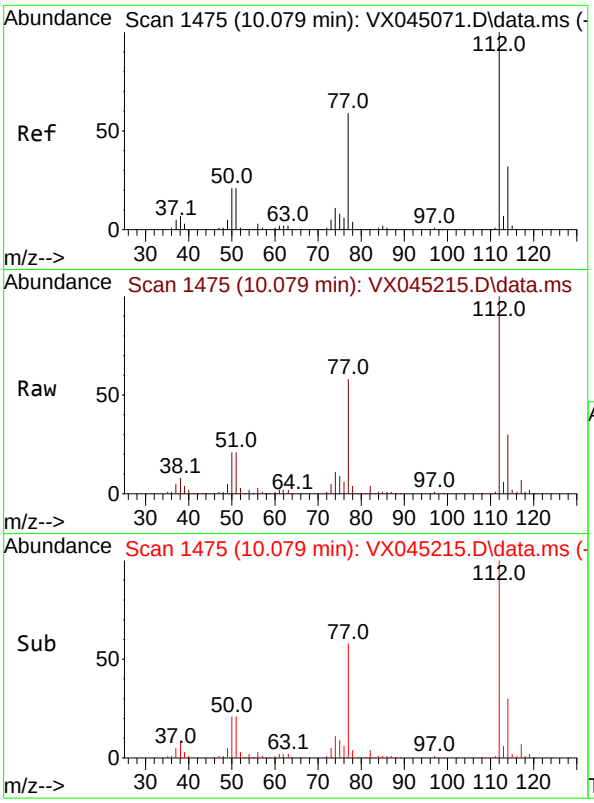


#64
Tetrachloroethene
Concen: 19.341 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:164 Resp: 18450

Ion	Ratio	Lower	Upper
164	100		
166	141.1	103.6	155.4
129	102.0	82.7	124.1
131	107.2	80.5	120.7



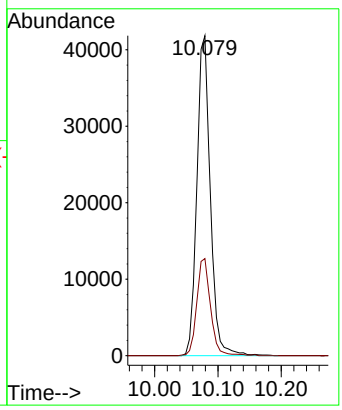


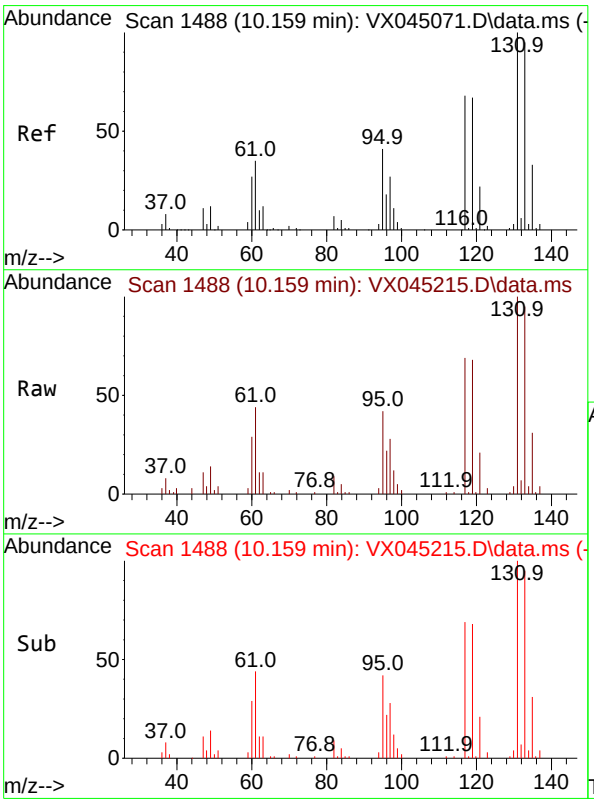
#65
Chlorobenzene
Concen: 19.633 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:112 Resp: 61875

Ion	Ratio	Lower	Upper
112	100		
114	30.3	26.0	39.0

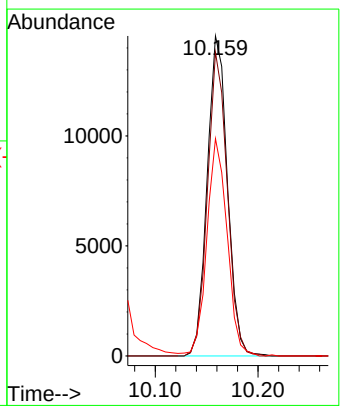


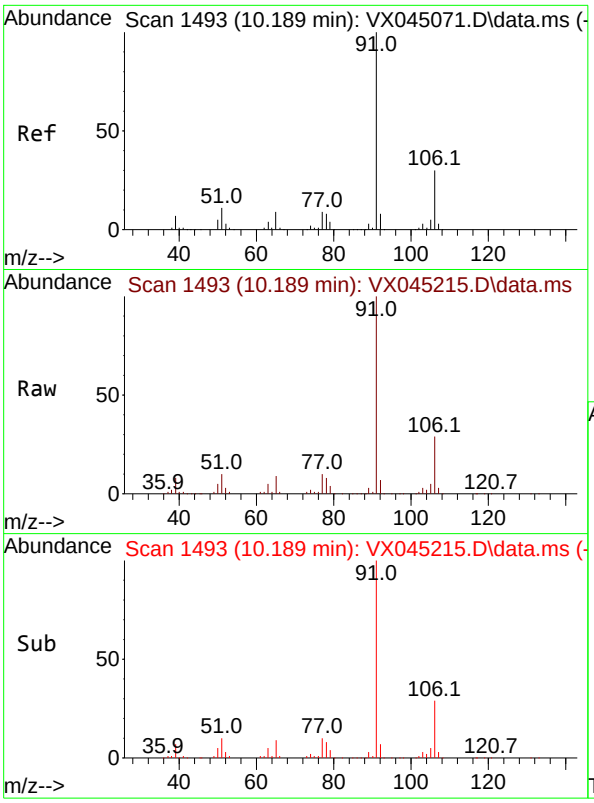


#66
1,1,1,2-Tetrachloroethane
Concen: 19.035 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:131 Resp: 19978

Ion	Ratio	Lower	Upper
131	100		
133	92.8	48.6	145.9
119	67.9	33.9	101.7



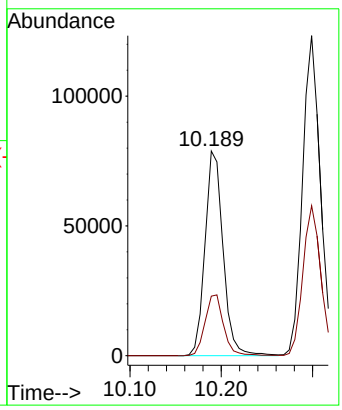


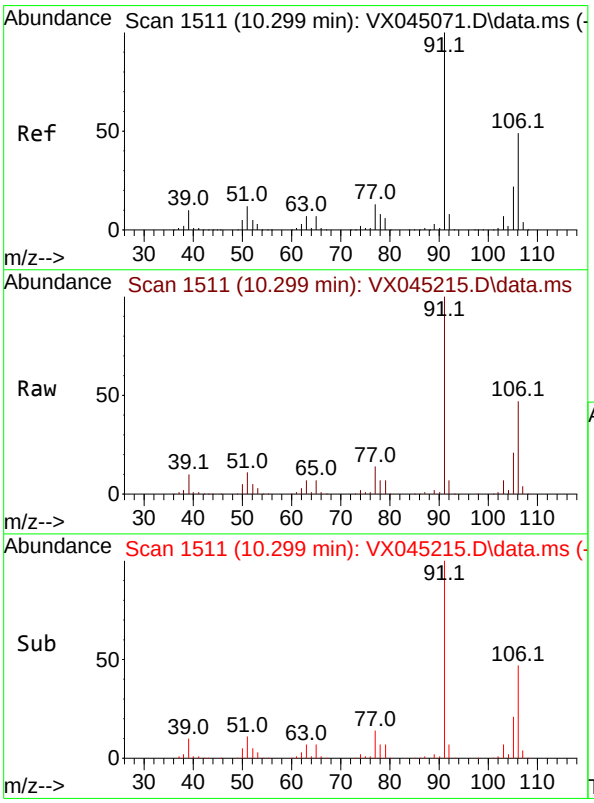
#67
Ethyl Benzene
Concen: 19.710 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 91 Resp: 108234

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.9	35.9

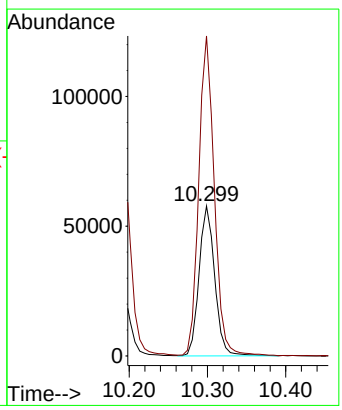


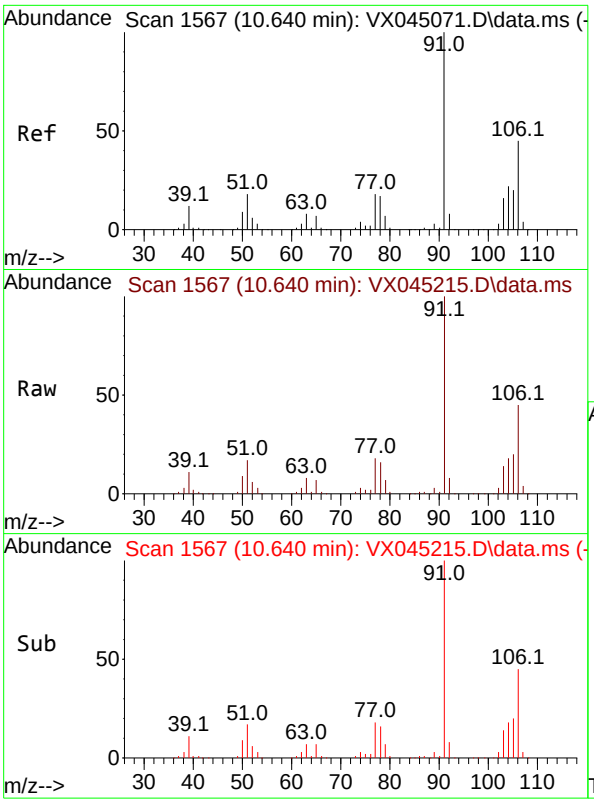


#68
m/p-Xylenes
Concen: 39.941 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:106 Resp: 80292

Ion	Ratio	Lower	Upper
106	100		
91	211.5	165.4	248.0



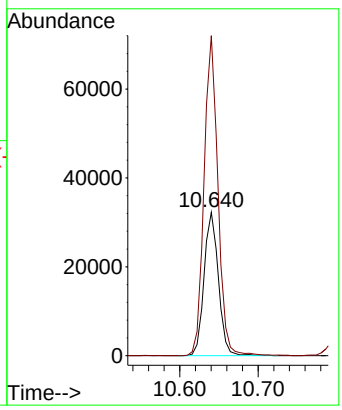


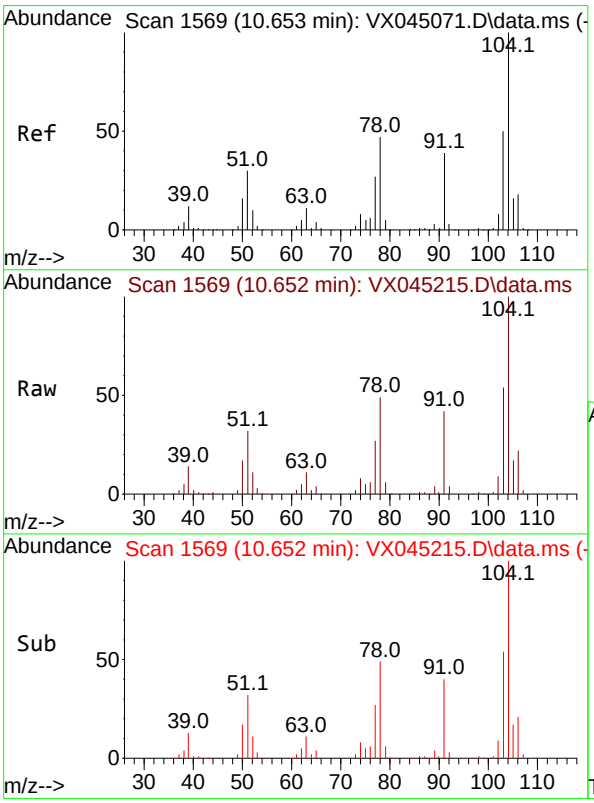
#69
o-Xylene
Concen: 20.185 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:106 Resp: 40924

Ion	Ratio	Lower	Upper
106	100		
91	215.9	109.9	329.6

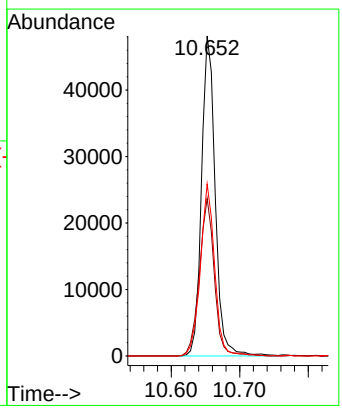


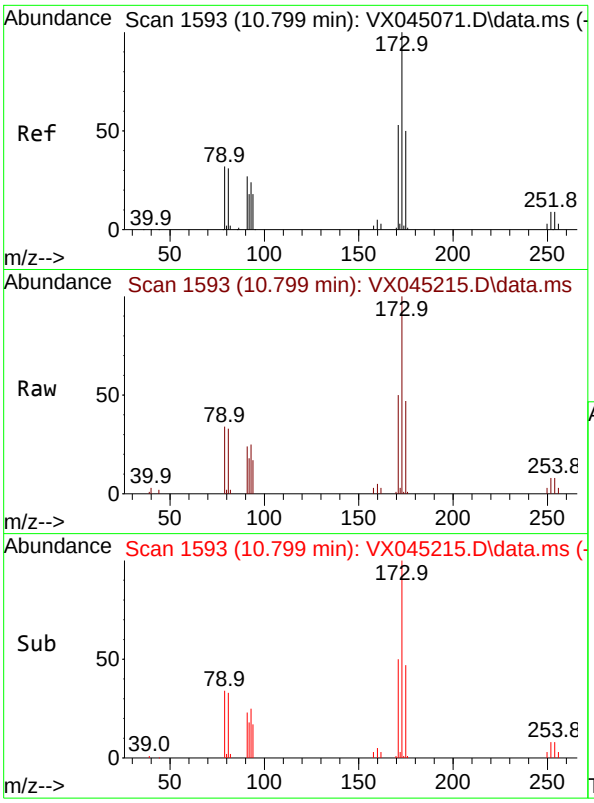


#70
Styrene
Concen: 20.469 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:104 Resp: 67151

Ion	Ratio	Lower	Upper
104	100		
78	53.5	42.2	63.4
103	56.2	43.8	65.8



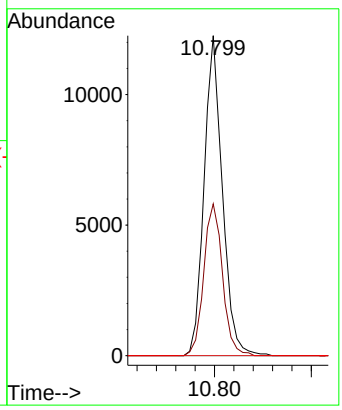


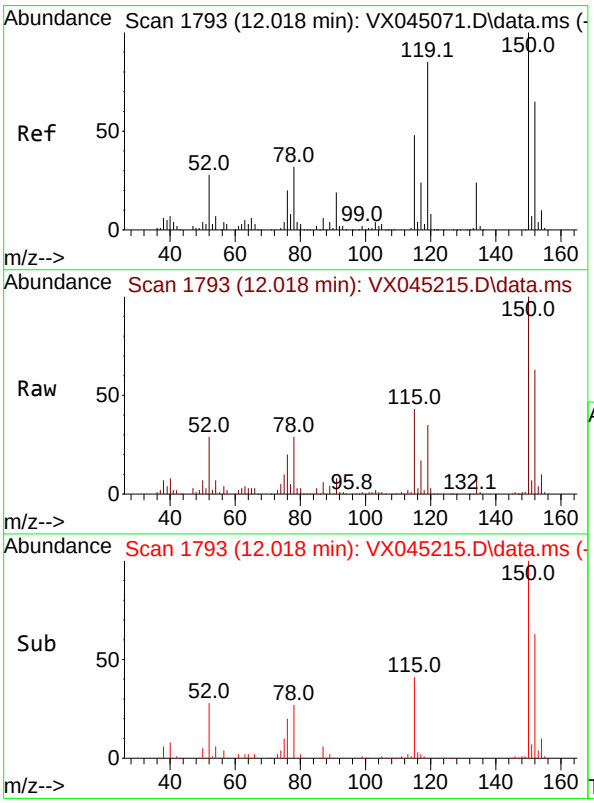
#71
Bromoform
Concen: 20.340 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:173 Resp: 16098

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	73.6
254	0.0	0.0	0.0

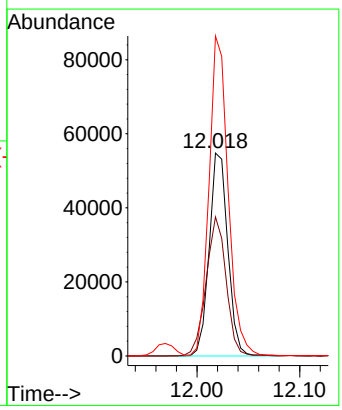


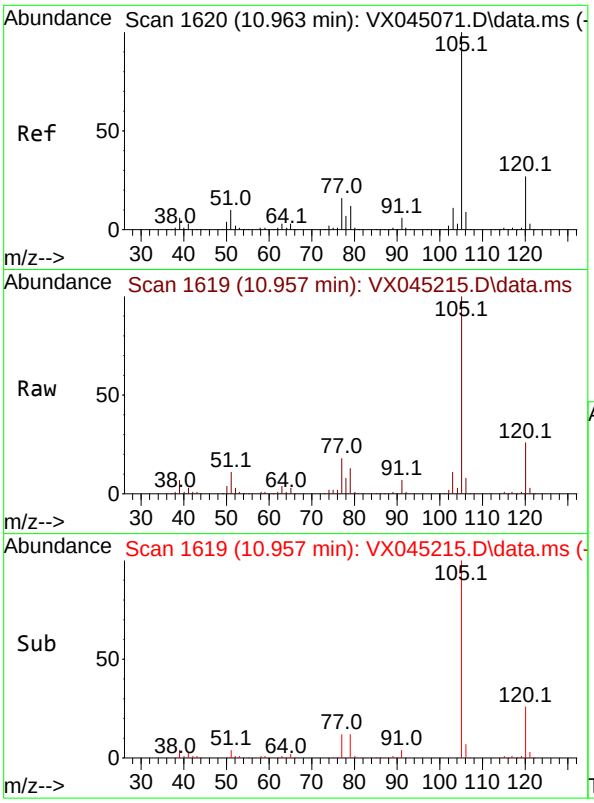


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:152 Resp: 68861

Ion	Ratio	Lower	Upper
152	100		
115	73.8	44.2	132.6
150	161.8	0.0	349.0



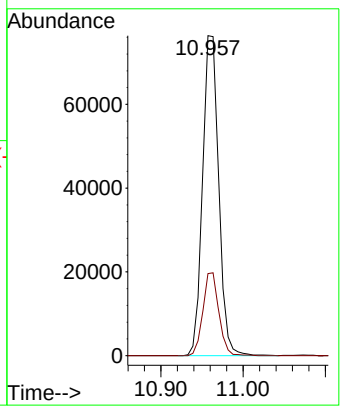


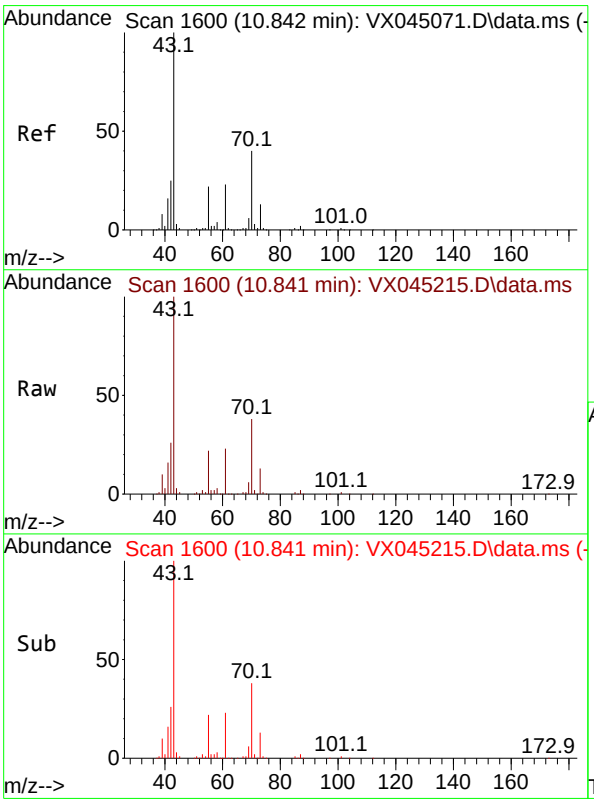
#73
Isopropylbenzene
Concen: 19.390 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:105 Resp: 104215

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.2	39.5

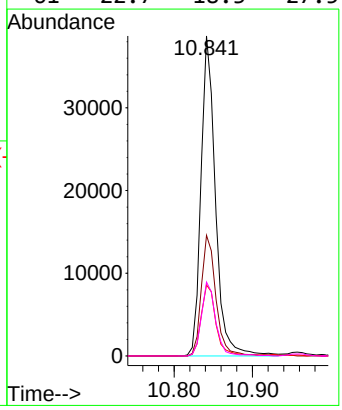


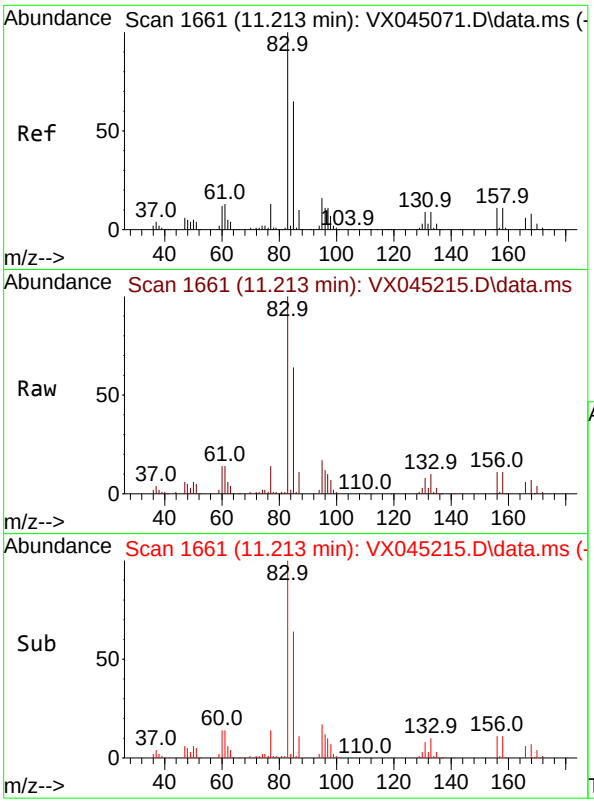


#74
N-amyl acetate
Concen: 19.707 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 43 Resp: 49701

Ion	Ratio	Lower	Upper
43	100		
70	38.0	31.8	47.6
55	22.9	18.3	27.5
61	22.7	18.3	27.5



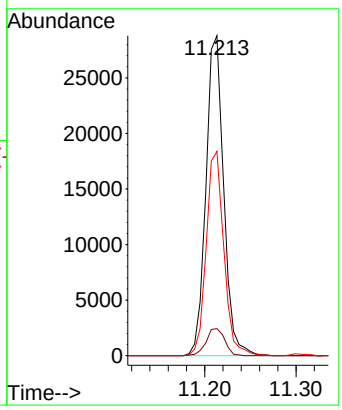


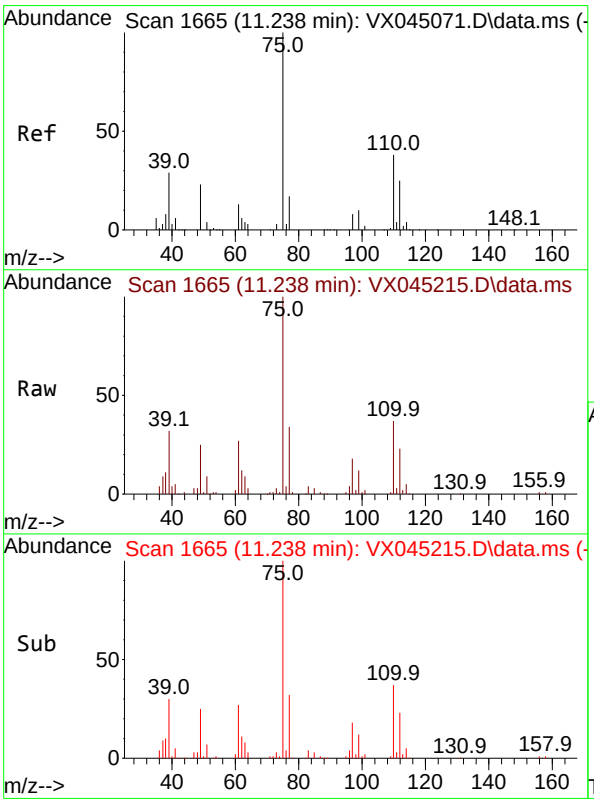
#75
1,1,2,2-Tetrachloroethane
Concen: 19.653 ug/l
RT: 11.213 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 83 Resp: 38763

Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.4
85	63.4	31.7	95.1

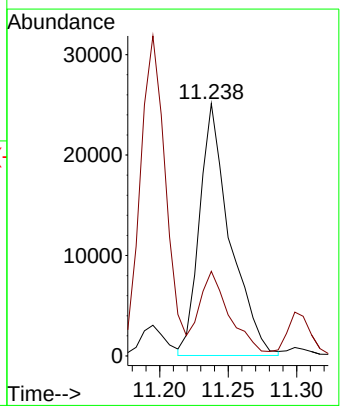


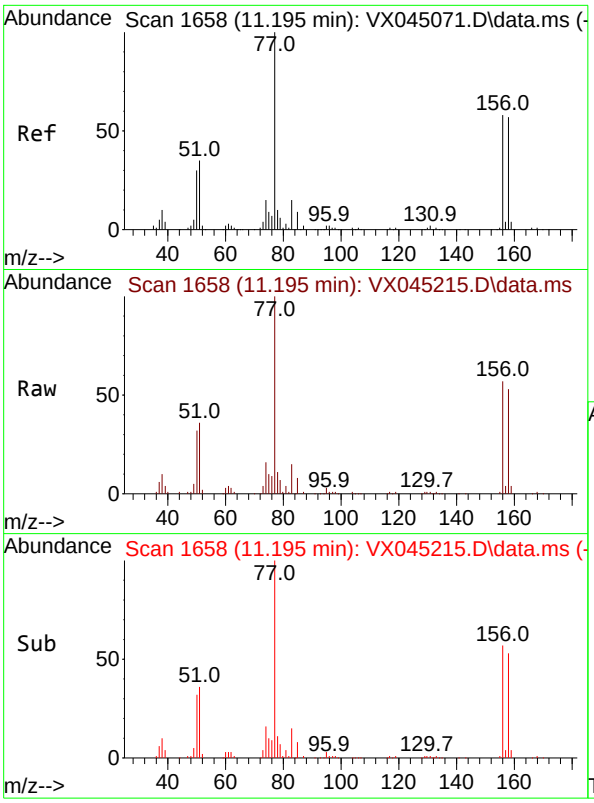


#76
1,2,3-Trichloropropane
Concen: 24.250 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 75 Resp: 38866

Ion	Ratio	Lower	Upper
75	100		
77	33.9	20.7	62.1



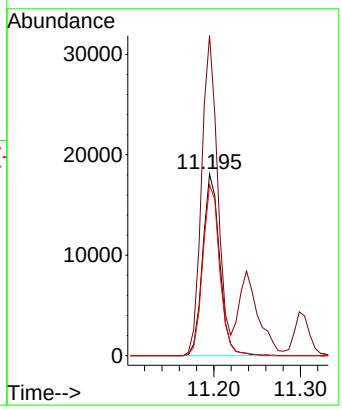


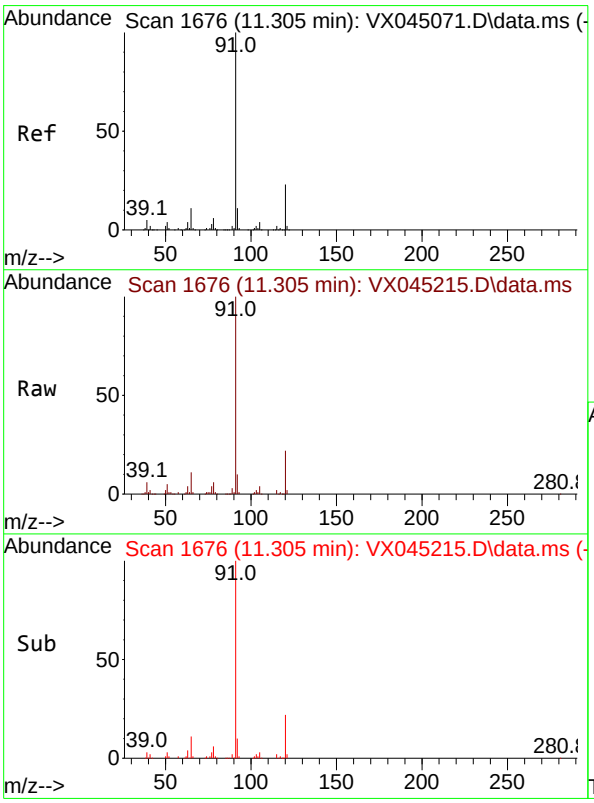
#77
Bromobenzene
Concen: 19.428 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:156 Resp: 24637

Ion	Ratio	Lower	Upper
156	100		
77	167.5	85.8	257.4
158	93.7	48.4	145.2

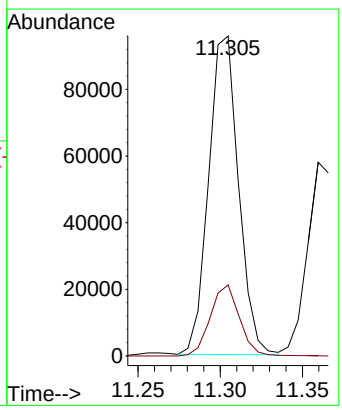


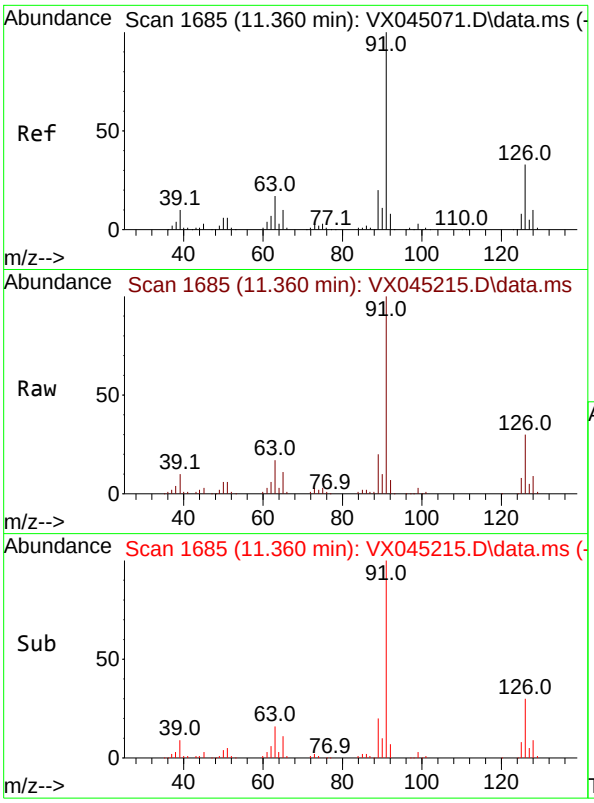


#78
n-propylbenzene
Concen: 19.934 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 91 Resp: 121031

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.2	33.6



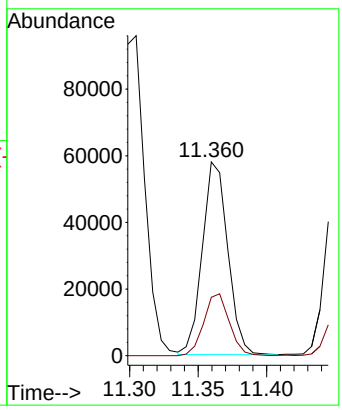


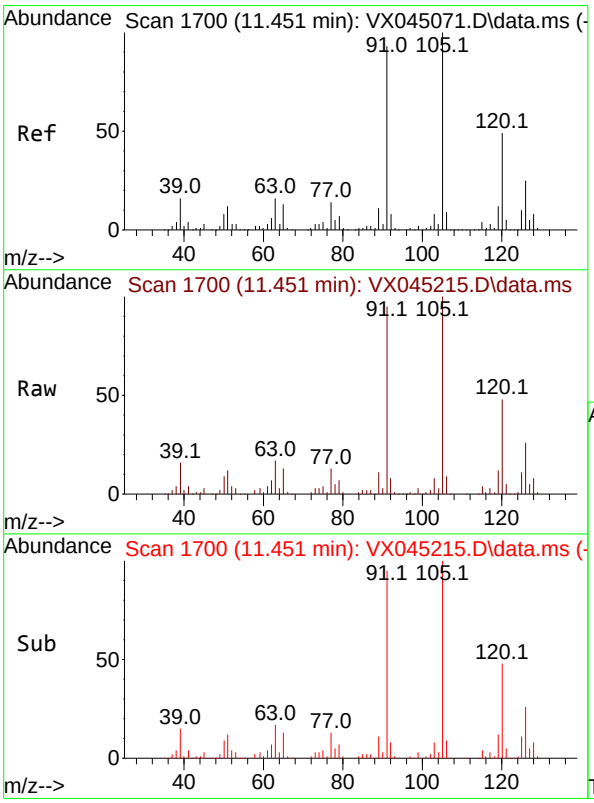
#79
2-Chlorotoluene
Concen: 19.344 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 91 Resp: 74800

Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.4

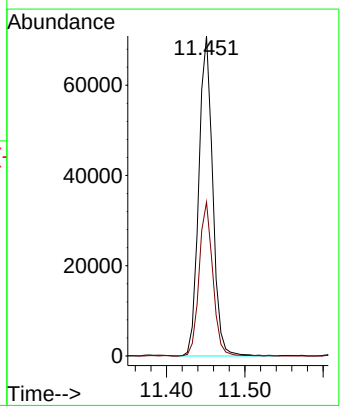


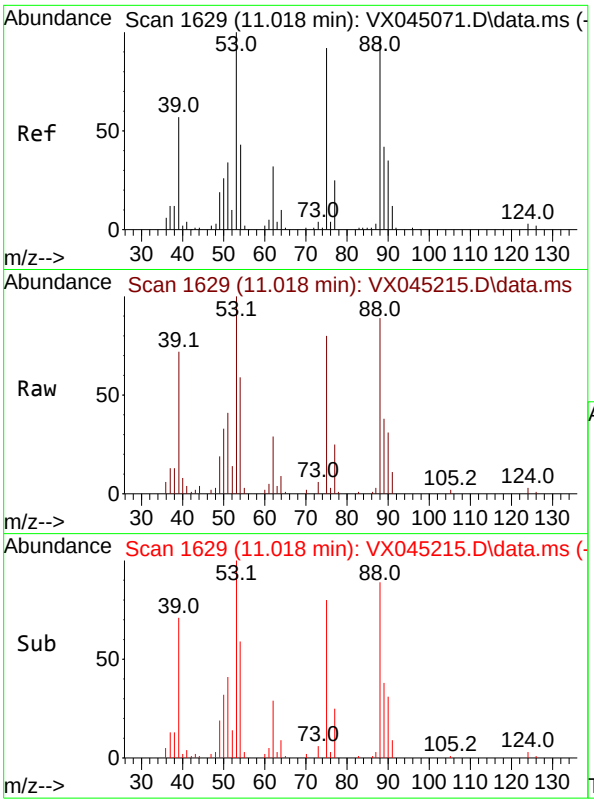


#80
1,3,5-Trimethylbenzene
Concen: 20.096 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:105 Resp: 87336

Ion	Ratio	Lower	Upper
105	100		
120	47.2	24.1	72.2



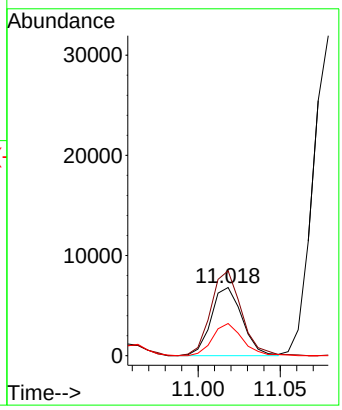


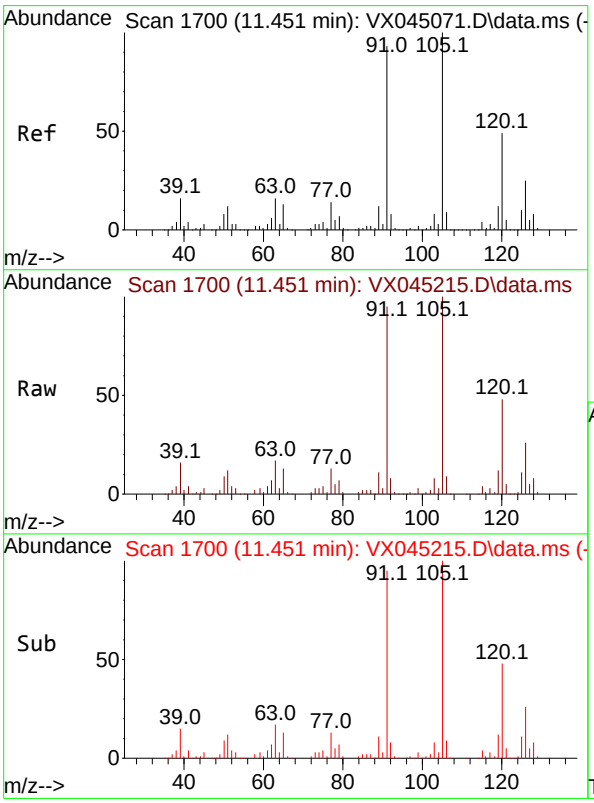
#81
trans-1,4-Dichloro-2-butene
Concen: 19.112 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 75 Resp: 8951

Ion	Ratio	Lower	Upper
75	100		
53	123.0	88.5	132.7
89	45.2	36.2	54.4

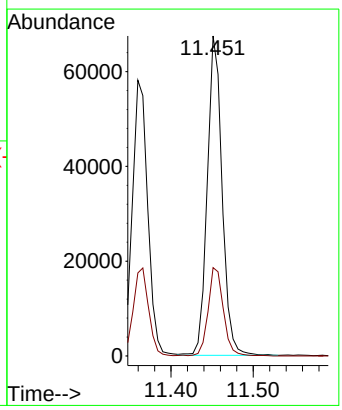


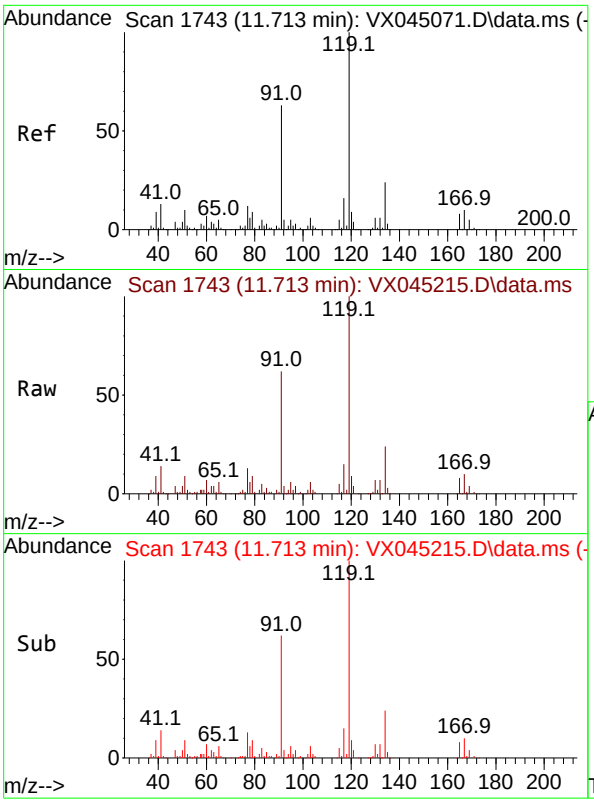


#82
4-Chlorotoluene
Concen: 20.030 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 91 Resp: 84411

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.1	42.4



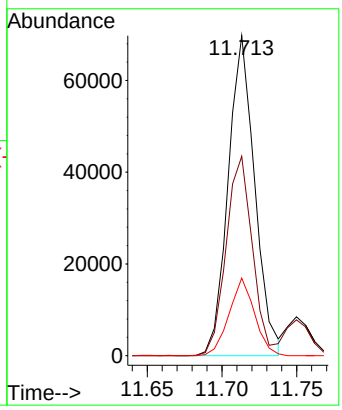


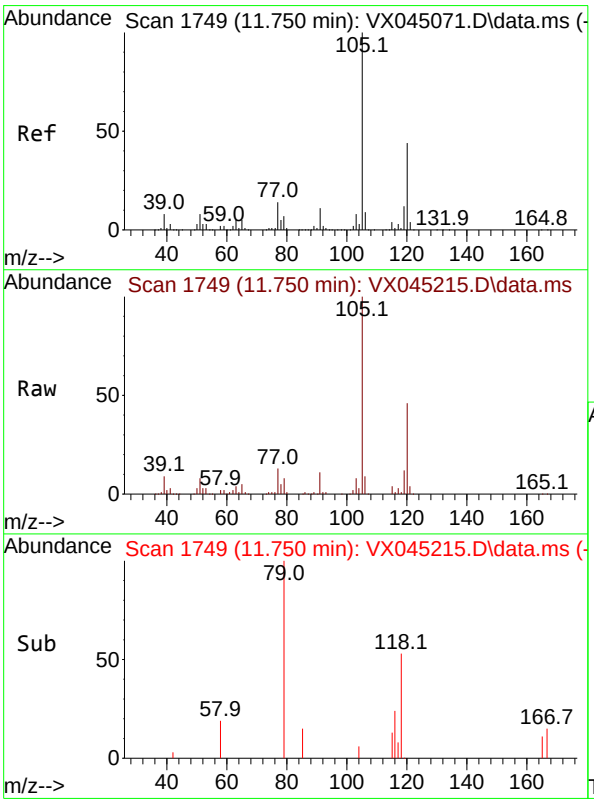
#83
tert-Butylbenzene
Concen: 19.342 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:119 Resp: 86368

Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.7	92.1
134	23.3	11.7	35.0

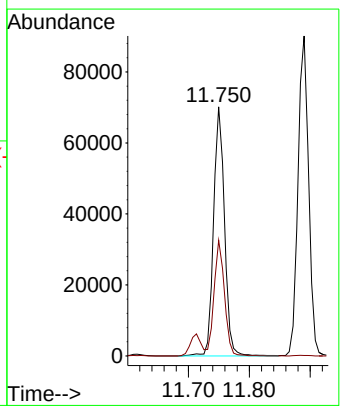


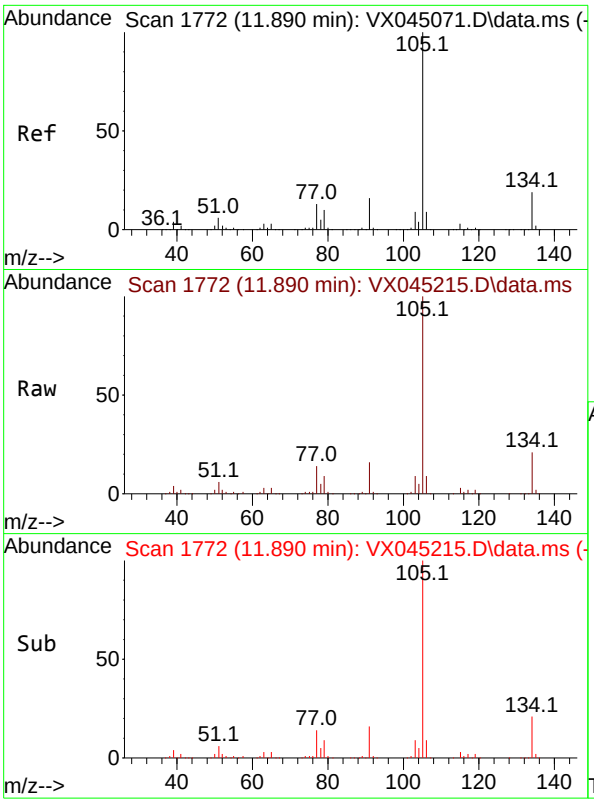


#84
1,2,4-Trimethylbenzene
Concen: 20.023 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:105 Resp: 87556

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.1



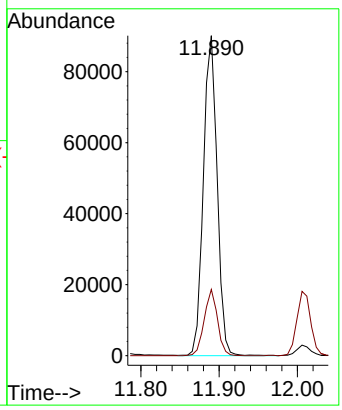


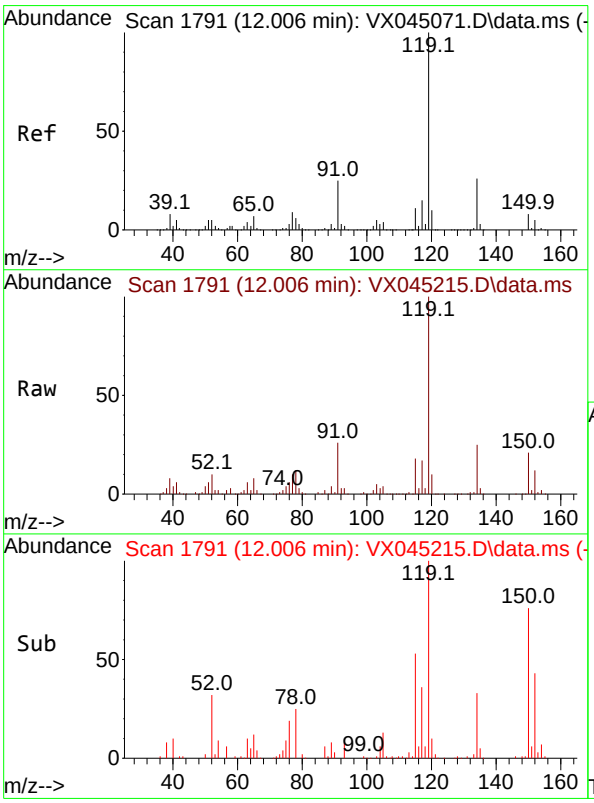
#85
sec-Butylbenzene
Concen: 20.477 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:105 Resp: 109529

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.4

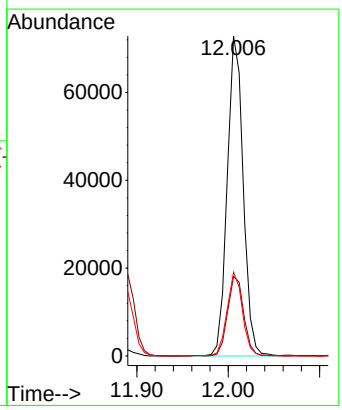


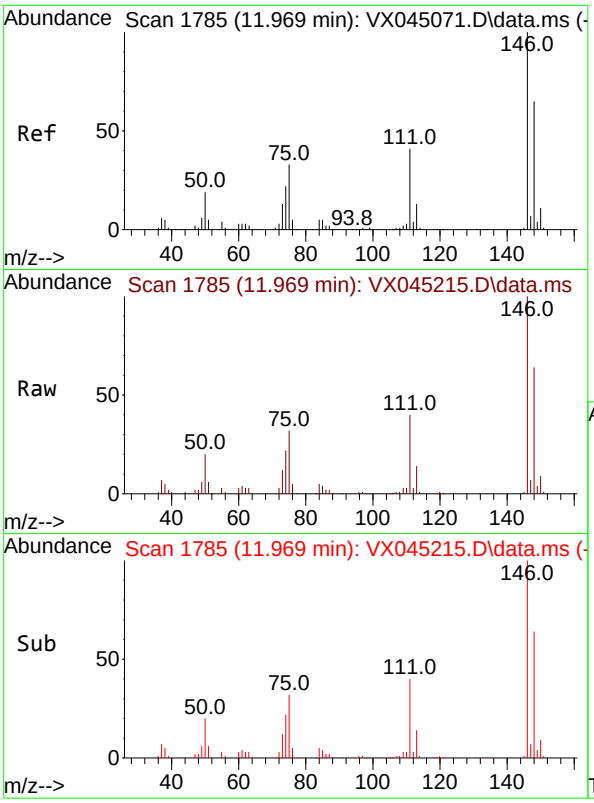


#86
p-Isopropyltoluene
Concen: 20.483 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:119 Resp: 88543

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.6
91	25.4	12.7	38.0



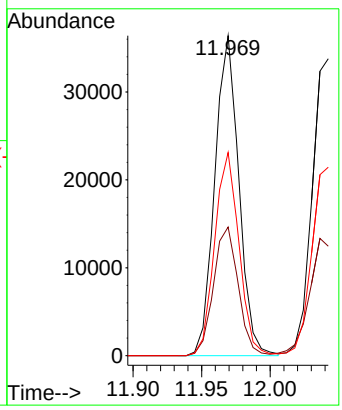


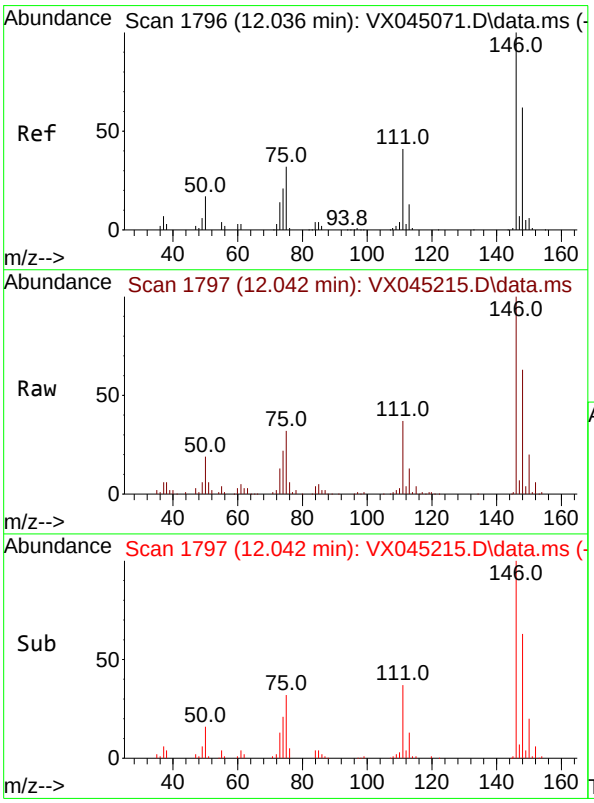
#87
1,3-Dichlorobenzene
Concen: 19.615 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:146 Resp: 44375

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.4
148	64.2	31.9	95.7

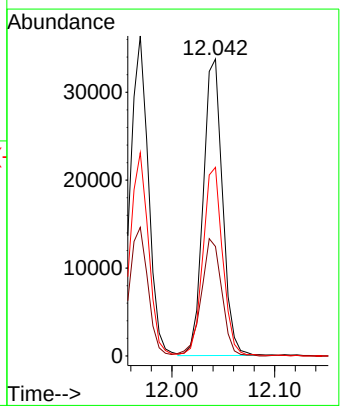


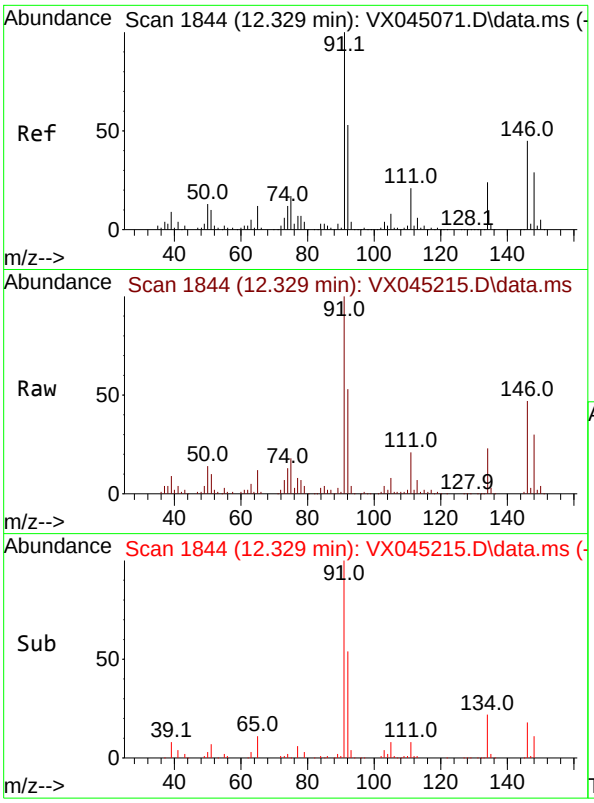


#88
1,4-Dichlorobenzene
Concen: 19.217 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:146 Resp: 43983

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.2	60.5
148	64.7	31.9	95.9



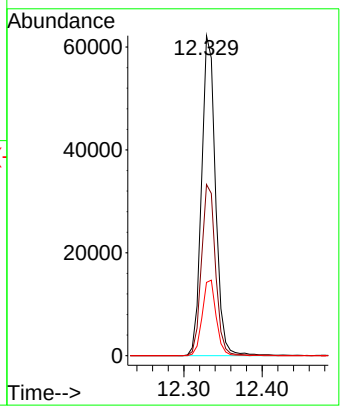


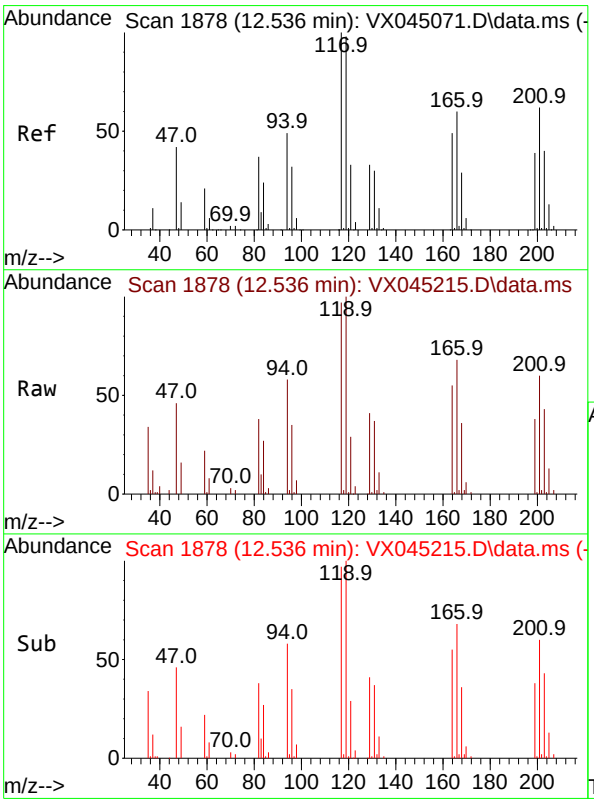
#89
n-Butylbenzene
Concen: 20.636 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion: 91 Resp: 76829

Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.7	80.0
134	23.6	12.2	36.6

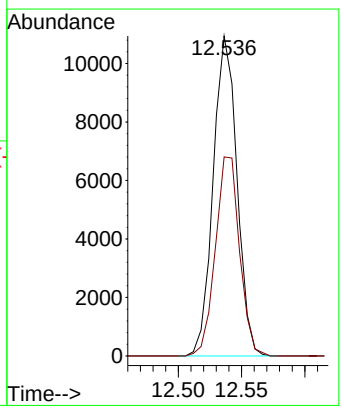


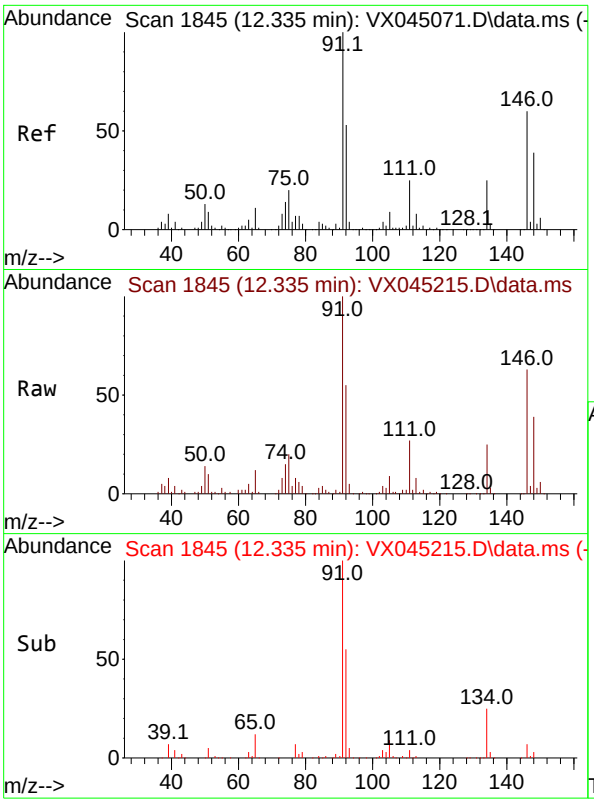


#90
Hexachloroethane
Concen: 18.273 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:117 Resp: 14287

Ion	Ratio	Lower	Upper
117	100		
201	63.3	31.9	95.9



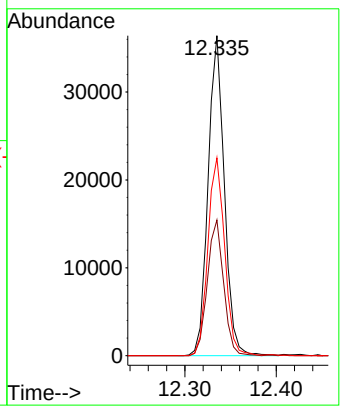


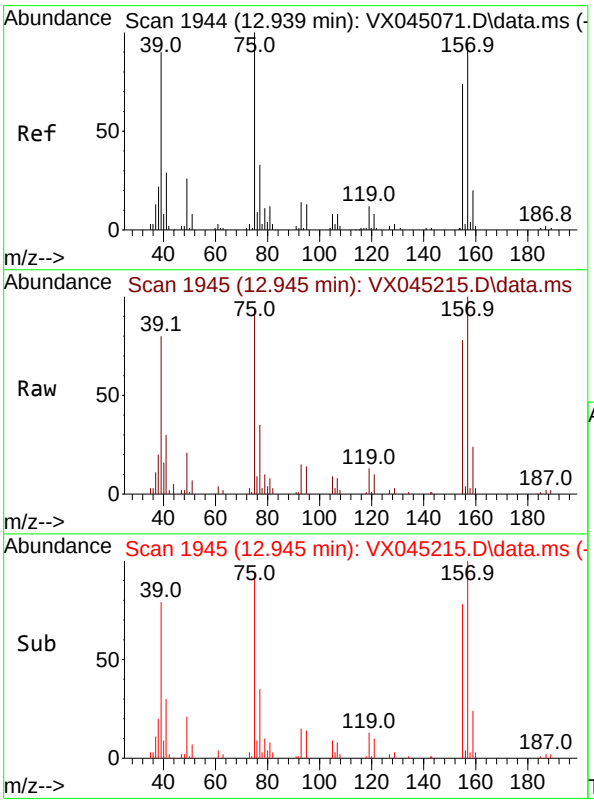
#91
1,2-Dichlorobenzene
Concen: 19.759 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:146 Resp: 44841

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.6	65.0
148	63.9	31.9	95.9

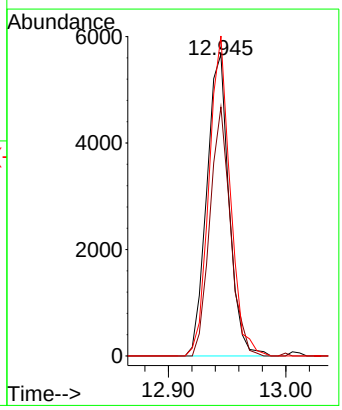


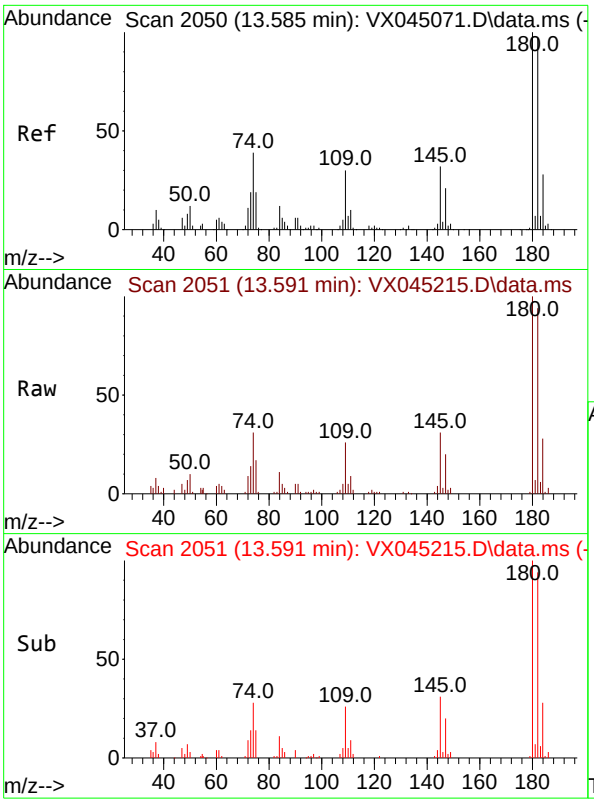


#92
1,2-Dibromo-3-Chloropropane
Concen: 19.352 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion: 75 Resp: 7436

Ion	Ratio	Lower	Upper
75	100		
155	76.2	39.6	118.7
157	100.8	51.1	153.4



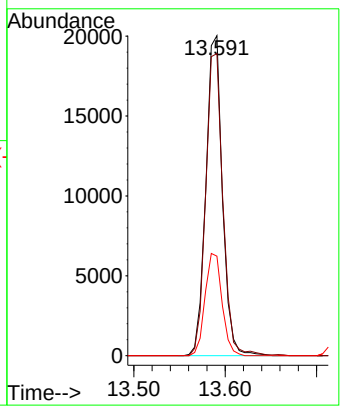


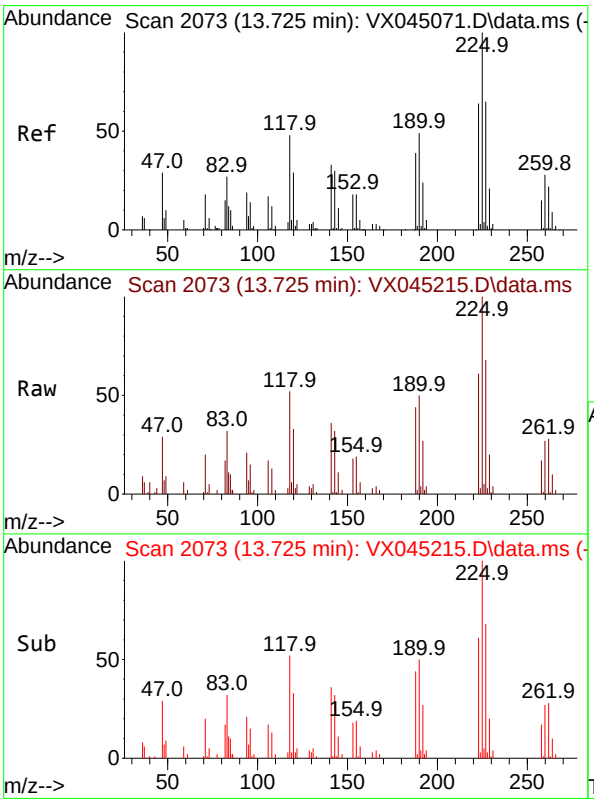
#93
1,2,4-Trichlorobenzene
Concen: 19.453 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:180 Resp: 25138

Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.3	141.9
145	32.8	16.3	48.9

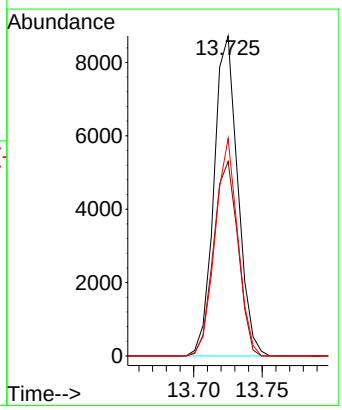


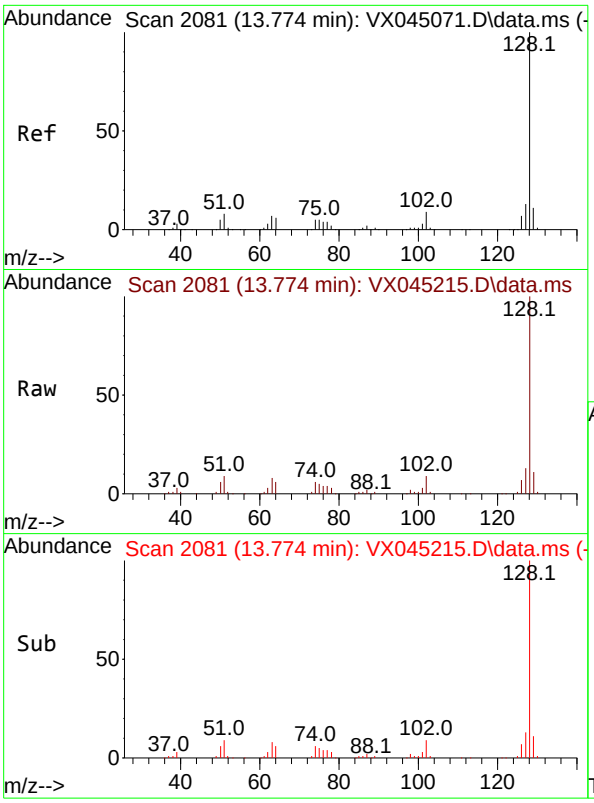


#94
Hexachlorobutadiene
Concen: 19.880 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:225 Resp: 10532

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.9	95.7
227	64.8	31.4	94.0



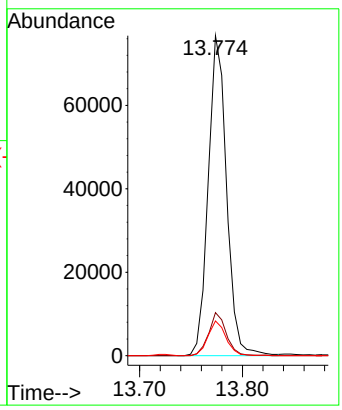


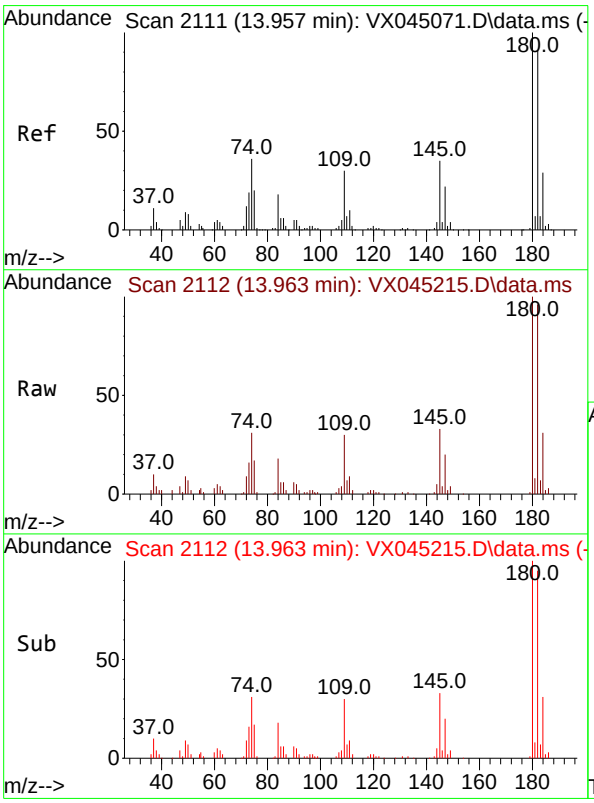
#95
Naphthalene
Concen: 19.175 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Instrument :
MSVOA_X
ClientSampleId :
VX0311WBSD01

Tgt Ion:128 Resp: 95200

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.8	8.7	13.1

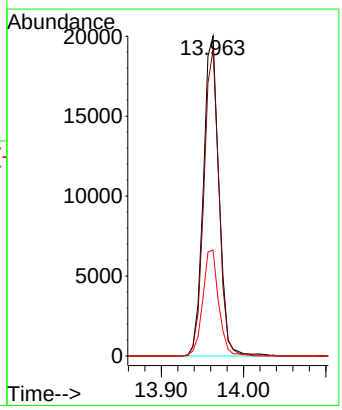




#96
1,2,3-Trichlorobenzene
Concen: 19.287 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045215.D
Acq: 11 Mar 2025 11:40

Tgt Ion:180 Resp: 26292

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.5	142.6
145	33.8	17.0	50.9



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045236.D
Acq On : 11 Mar 2025 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 12 01:55:54 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	92547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	163844	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66778	45.363	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.720%			
35) Dibromofluoromethane	5.385	113	50703	46.280	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.560%			
50) Toluene-d8	8.647	98	179940	45.304	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.600%			
62) 4-Bromofluorobenzene	11.079	95	64822	49.251	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	53268	45.726	ug/l	99
3) Chloromethane	1.307	50	64615	45.323	ug/l	98
4) Vinyl Chloride	1.374	62	60266	42.613	ug/l	97
5) Bromomethane	1.593	94	25658	46.150	ug/l	98
6) Chloroethane	1.666	64	32802	50.284	ug/l	98
7) Trichlorofluoromethane	1.874	101	87827	46.911	ug/l	99
8) Diethyl Ether	2.130	74	31793	43.415	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	53500	49.738	ug/l	99
10) Methyl Iodide	2.447	142	68051	50.626	ug/l	98
11) Tert butyl alcohol	2.977	59	51983	186.427	ug/l	99
12) 1,1-Dichloroethene	2.306	96	53108	46.700	ug/l	96
13) Acrolein	2.233	56	32474	100.748	ug/l	99
14) Allyl chloride	2.654	41	98283	48.552	ug/l	98
15) Acrylonitrile	3.062	53	181756	243.211	ug/l	99
16) Acetone	2.386	43	156898	229.716	ug/l	99
17) Carbon Disulfide	2.501	76	122680	40.503	ug/l	98
18) Methyl Acetate	2.703	43	89742	54.618	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	180382	47.278	ug/l	97
20) Methylene Chloride	2.782	84	62985	46.554	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	52729	46.934	ug/l	100
22) Diisopropyl ether	3.757	45	200226	48.635	ug/l #	87
23) Vinyl Acetate	3.721	43	844079	245.688	ug/l	99
24) 1,1-Dichloroethane	3.605	63	109431	47.429	ug/l	100
25) 2-Butanone	4.556	43	251056	244.195	ug/l	98
26) 2,2-Dichloropropane	4.471	77	65263	60.305	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	66395	47.873	ug/l	97
28) Bromochloromethane	4.891	49	52477	47.718	ug/l	99
29) Tetrahydrofuran	5.001	42	161329	233.669	ug/l	100
30) Chloroform	5.086	83	109326	47.688	ug/l	98
31) Cyclohexane	5.464	56	93837	46.852	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	88809	47.964	ug/l	98
36) 1,1-Dichloropropene	5.690	75	72608	48.325	ug/l	100
37) Ethyl Acetate	4.715	43	93428	48.257	ug/l	99
38) Carbon Tetrachloride	5.672	117	74018	48.524	ug/l	97
39) Methylcyclohexane	7.373	83	89869	49.918	ug/l	97
40) Benzene	6.031	78	229062	48.279	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045236.D
Acq On : 11 Mar 2025 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 12 01:55:54 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	53206	50.825	ug/l		99
42) 1,2-Dichloroethane	6.086	62	85619	50.114	ug/l		99
43) Isopropyl Acetate	6.342	43	144156	50.354	ug/l		100
44) Trichloroethene	7.123	130	54580	48.992	ug/l		96
45) 1,2-Dichloropropane	7.427	63	58369	47.849	ug/l		99
46) Dibromomethane	7.580	93	43556	50.517	ug/l		98
47) Bromodichloromethane	7.818	83	83702	49.493	ug/l		99
48) Methyl methacrylate	7.690	41	73223	50.982	ug/l		98
49) 1,4-Dioxane	7.659	88	27933	921.987	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	509737	265.178	ug/l		100
52) Toluene	8.714	92	138365	49.706	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	73204	51.776	ug/l		95
54) cis-1,3-Dichloropropene	8.360	75	85519	51.871	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	55900	48.779	ug/l		99
56) Ethyl methacrylate	9.116	69	91220	52.366	ug/l		96
57) 1,3-Dichloropropane	9.305	76	99262	50.051	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	237779	279.825	ug/l		98
59) 2-Hexanone	9.427	43	375289	269.459	ug/l		99
60) Dibromochloromethane	9.519	129	60613	50.586	ug/l		100
61) 1,2-Dibromoethane	9.604	107	57091	49.904	ug/l		98
64) Tetrachloroethene	9.269	164	44141	47.383	ug/l		96
65) Chlorobenzene	10.073	112	149536	48.585	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	49133	47.936	ug/l		98
67) Ethyl Benzene	10.189	91	268680	50.100	ug/l		99
68) m/p-Xylenes	10.299	106	198600	101.160	ug/l		98
69) o-Xylene	10.640	106	97058	49.018	ug/l		98
70) Styrene	10.652	104	165647	51.703	ug/l		99
71) Bromoform	10.799	173	39245	50.775	ug/l	#	99
73) Isopropylbenzene	10.957	105	259125	48.697	ug/l		99
74) N-amyl acetate	10.841	43	125524	50.273	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	91044	46.625	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	93583	58.978	ug/l		86
77) Bromobenzene	11.195	156	58983	46.980	ug/l		97
78) n-propylbenzene	11.299	91	299014	49.745	ug/l		99
79) 2-Chlorotoluene	11.360	91	181227	47.340	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	212792	49.457	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	21898	47.228	ug/l		90
82) 4-Chlorotoluene	11.451	91	205234	49.191	ug/l		100
83) tert-Butylbenzene	11.713	119	213082	48.200	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	214250	49.489	ug/l		99
85) sec-Butylbenzene	11.890	105	268624	50.727	ug/l		99
86) p-Isopropyltoluene	12.006	119	217580	50.842	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	109308	48.804	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	106308	46.916	ug/l		99
89) n-Butylbenzene	12.329	91	194364	52.732	ug/l		99
90) Hexachloroethane	12.536	117	37102	47.931	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	108734	48.396	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18507	48.649	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	61986	48.452	ug/l		99
94) Hexachlorobutadiene	13.725	225	25290	48.218	ug/l		100
95) Naphthalene	13.774	128	240005	48.828	ug/l		100
96) 1,2,3-Trichlorobenzene	13.963	180	65162	48.282	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045236.D
Acq On : 11 Mar 2025 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 12 01:55:54 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)

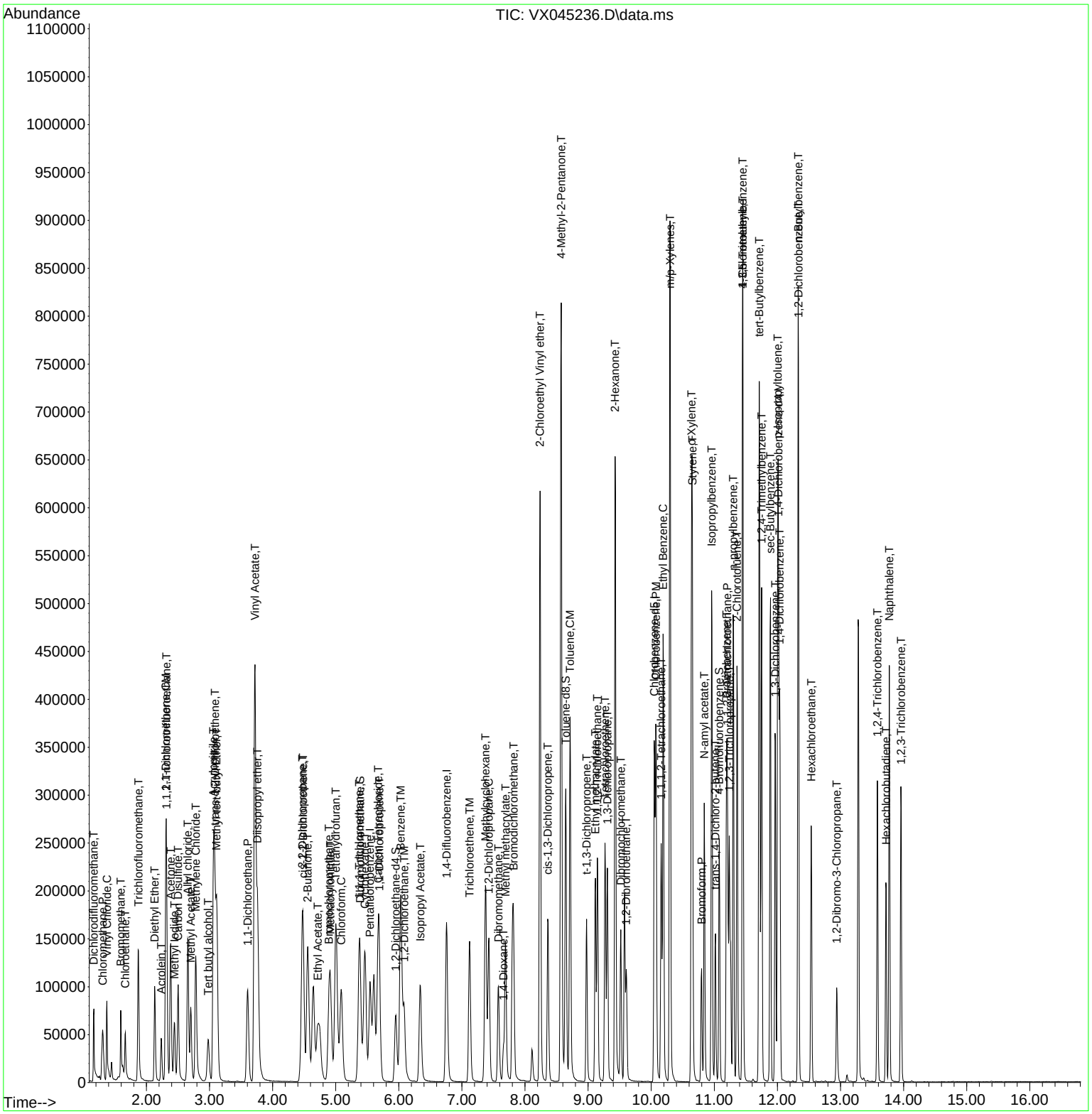
(#) = qualifier out of range (m) = manual integration (+) = signals summed

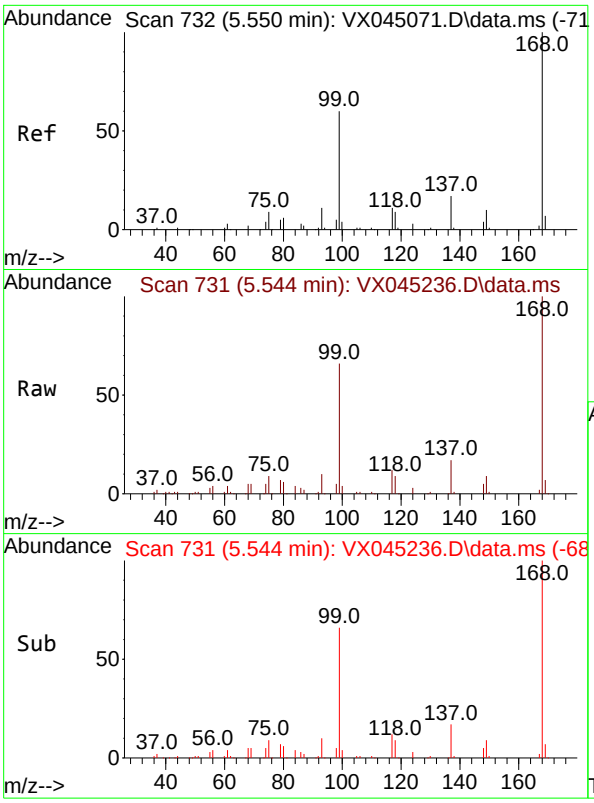
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031125\
Data File : VX045236.D
Acq On : 11 Mar 2025 19:49
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 12 01:55:54 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



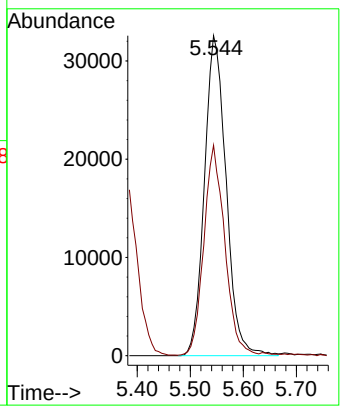


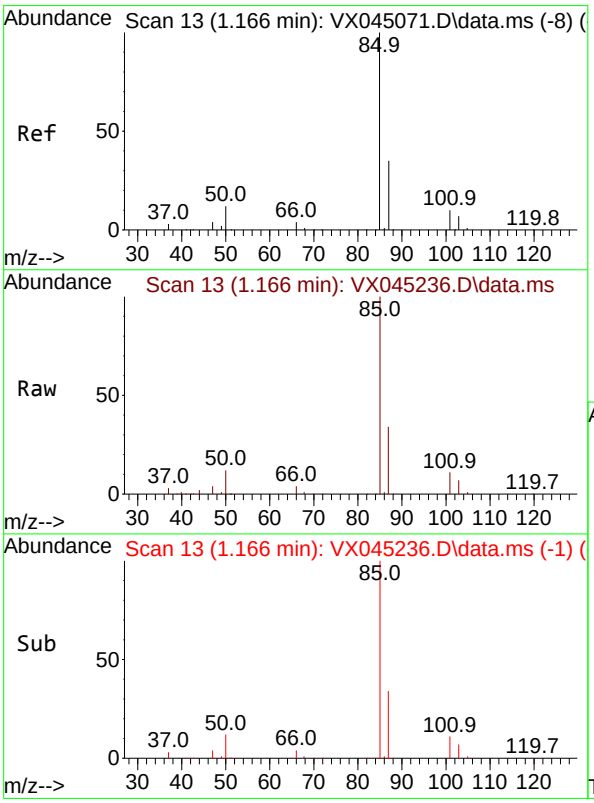
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 92547

Ion	Ratio	Lower	Upper
168	100		
99	65.6	48.2	72.4

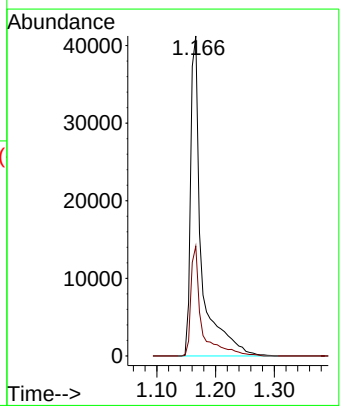


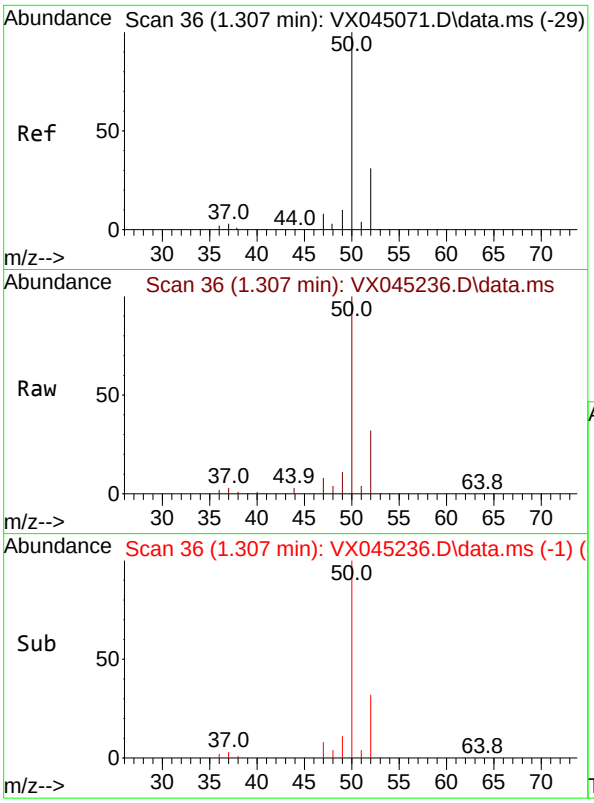


#2
Dichlorodifluoromethane
Concen: 45.726 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 85 Resp: 53268

Ion	Ratio	Lower	Upper
85	100		
87	34.3	17.4	52.3



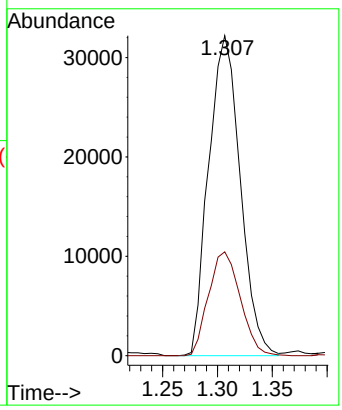


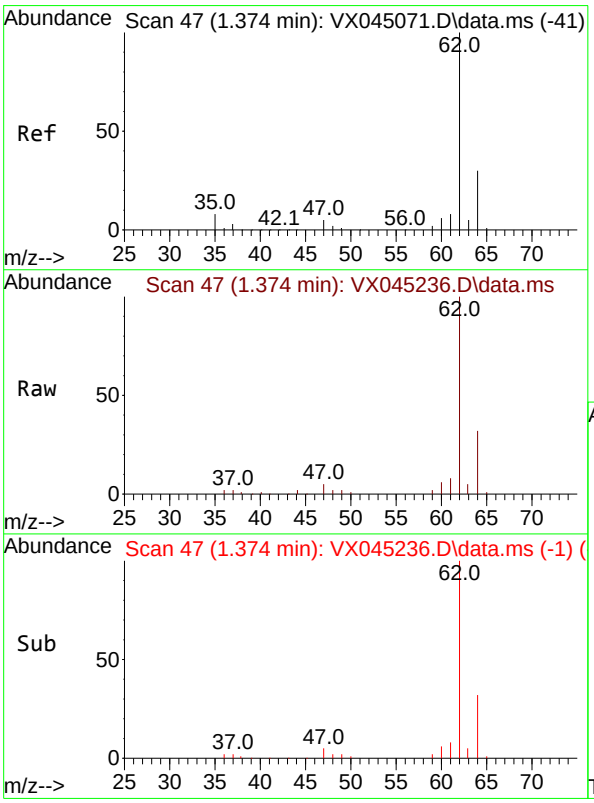
#3
Chloromethane
Concen: 45.323 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 64615

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.0	37.4

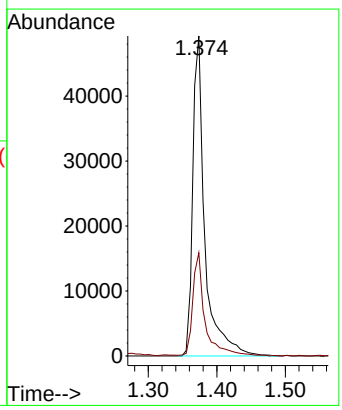


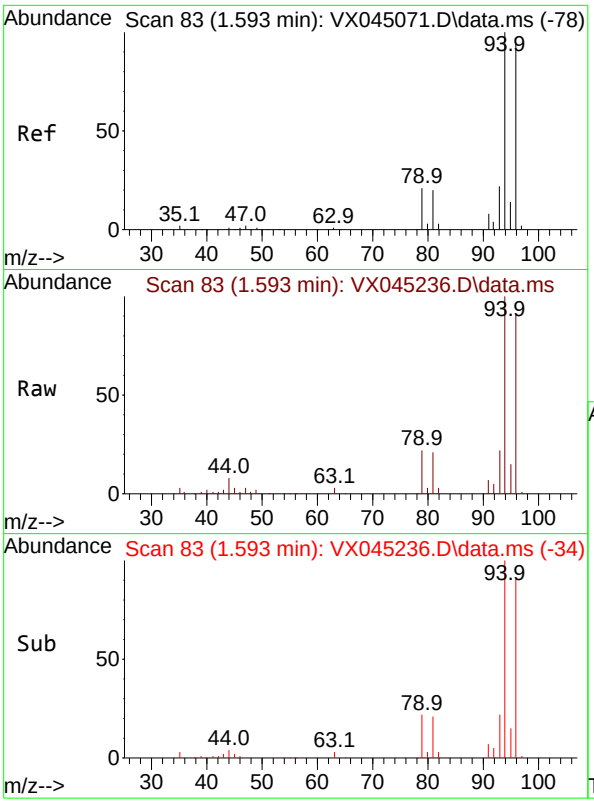


#4
Vinyl Chloride
Concen: 42.613 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 62 Resp: 60266

Ion	Ratio	Lower	Upper
62	100		
64	32.1	24.3	36.5



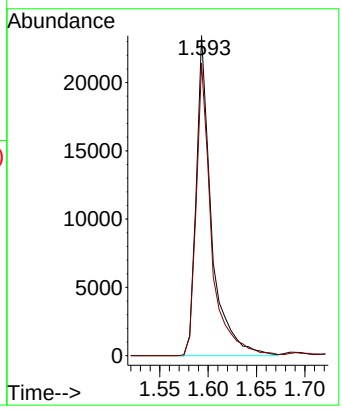


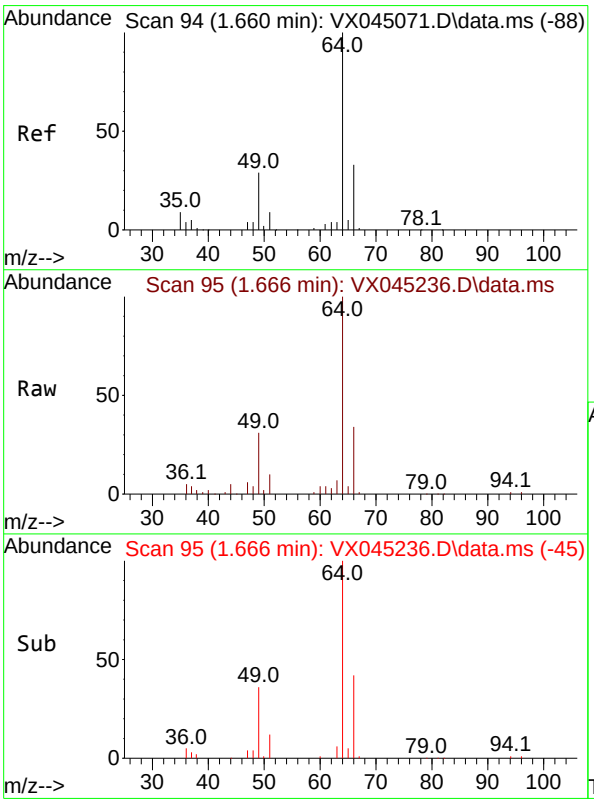
#5
Bromomethane
Concen: 46.150 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 25658

Ion	Ratio	Lower	Upper
94	100		
96	91.3	75.0	112.4

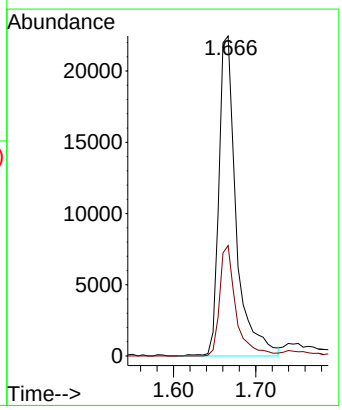


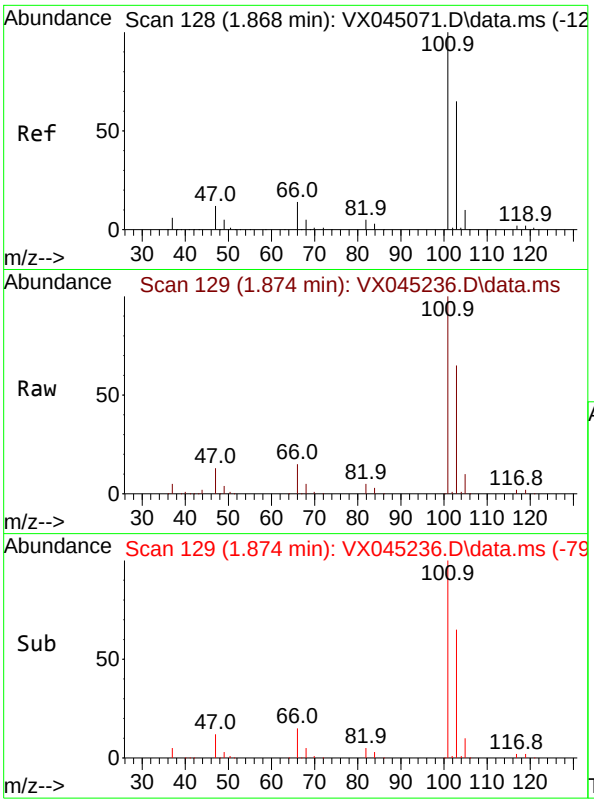


#6
Chloroethane
Concen: 50.284 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 64 Resp: 32802

Ion	Ratio	Lower	Upper
64	100		
66	34.5	26.7	40.1



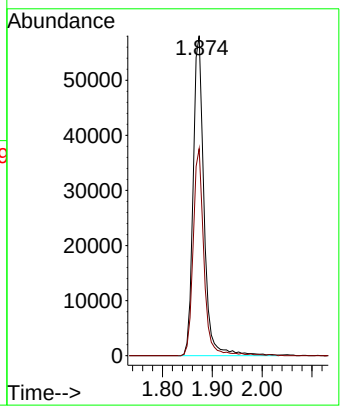


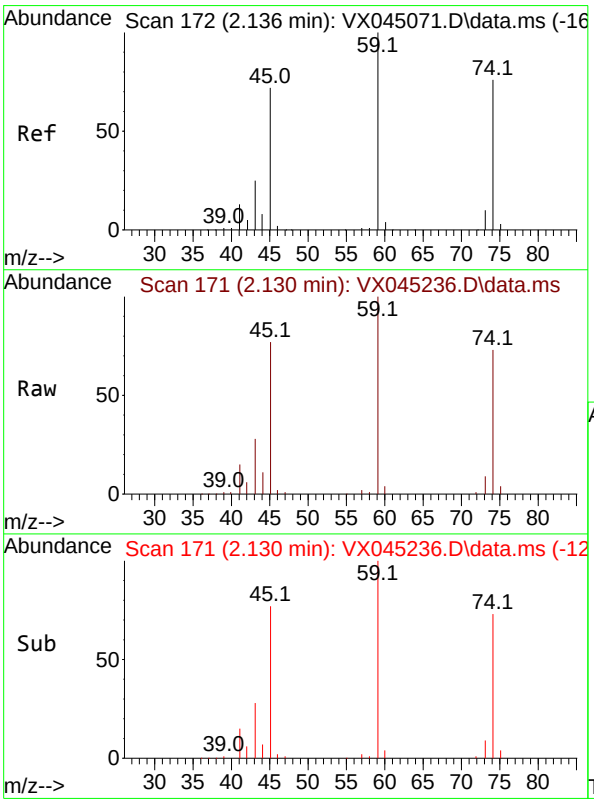
#7
Trichlorofluoromethane
Concen: 46.911 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 87827

Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.1	78.1

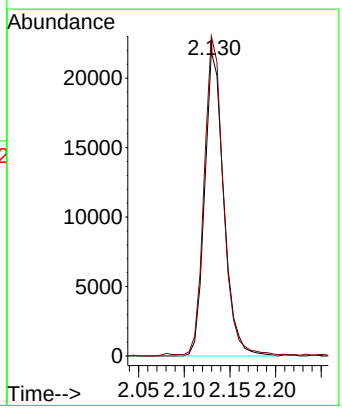


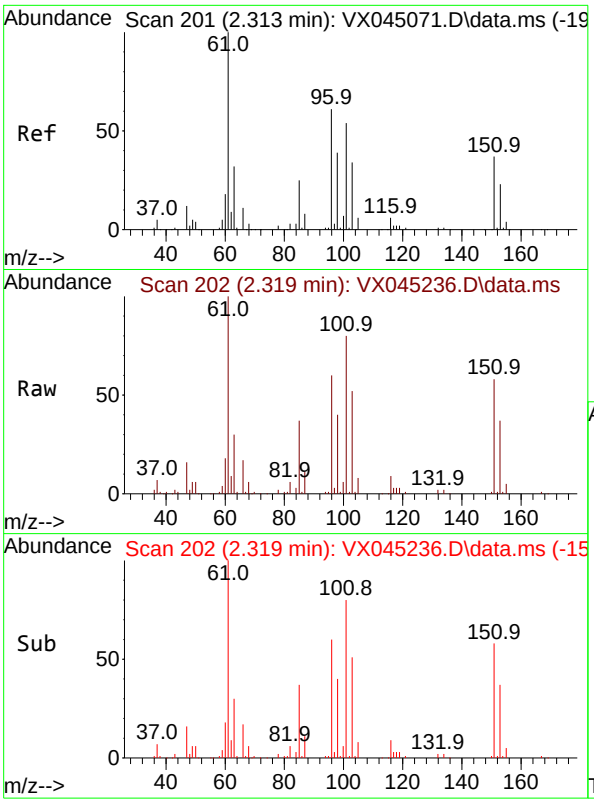


#8
Diethyl Ether
Concen: 43.415 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 74 Resp: 31793

Ion	Ratio	Lower	Upper
74	100		
45	104.5	51.5	154.5



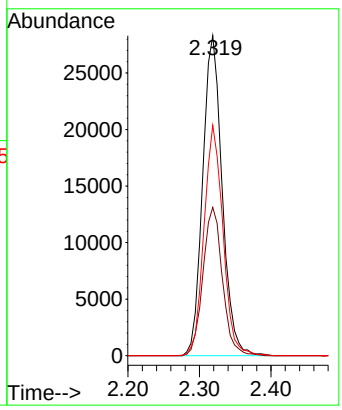


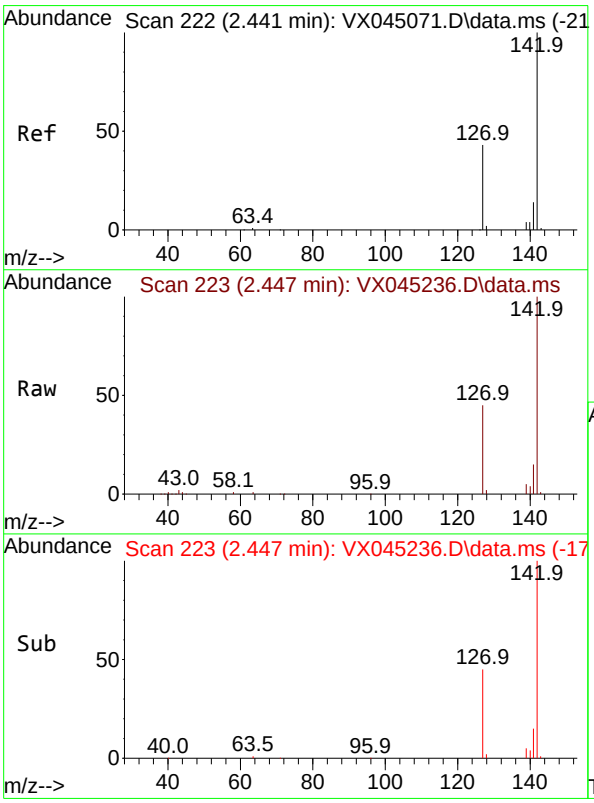
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.738 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 53500

Ion	Ratio	Lower	Upper
101	100		
85	46.3	36.2	54.4
151	70.3	56.4	84.6

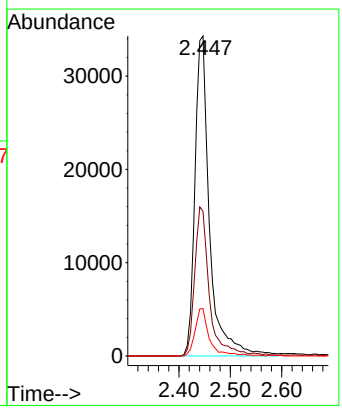


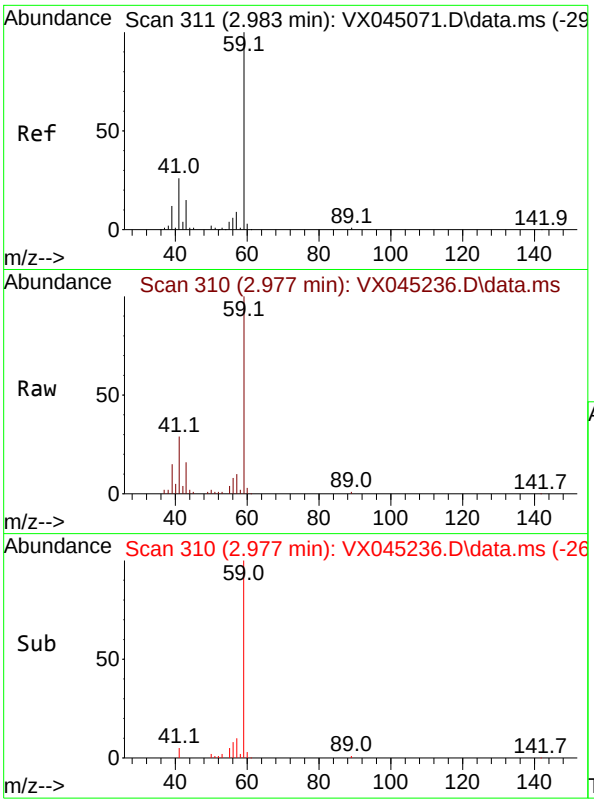


#10
Methyl Iodide
Concen: 50.626 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:142 Resp: 68051

Ion	Ratio	Lower	Upper
142	100		
127	46.3	35.4	53.2
141	14.4	11.6	17.4



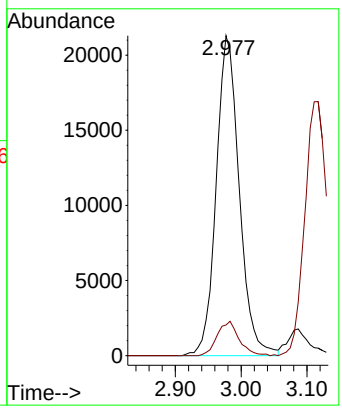


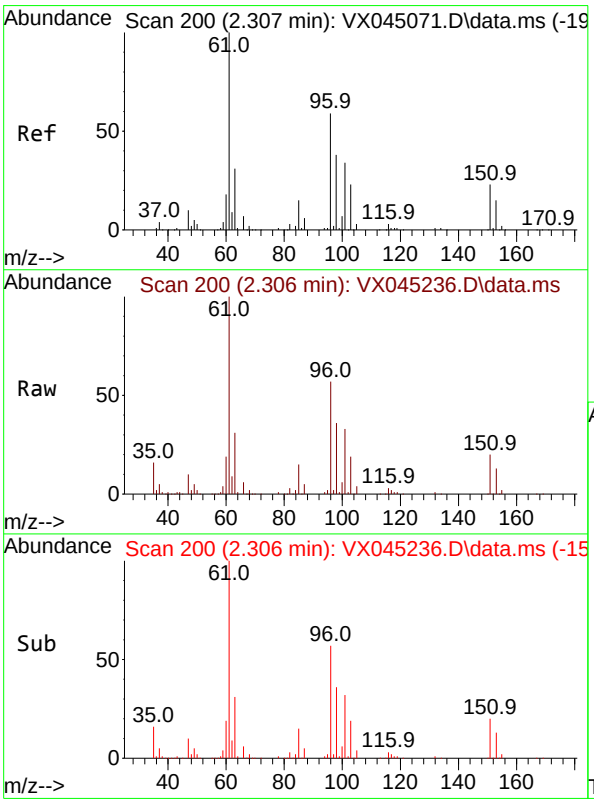
#11
Tert butyl alcohol
Concen: 186.427 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 51983

Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.8

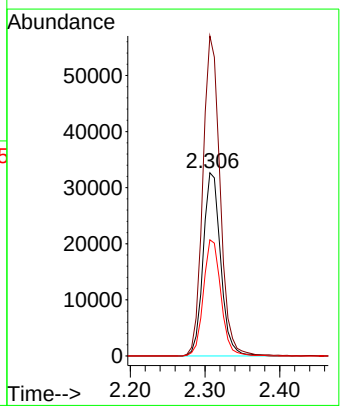


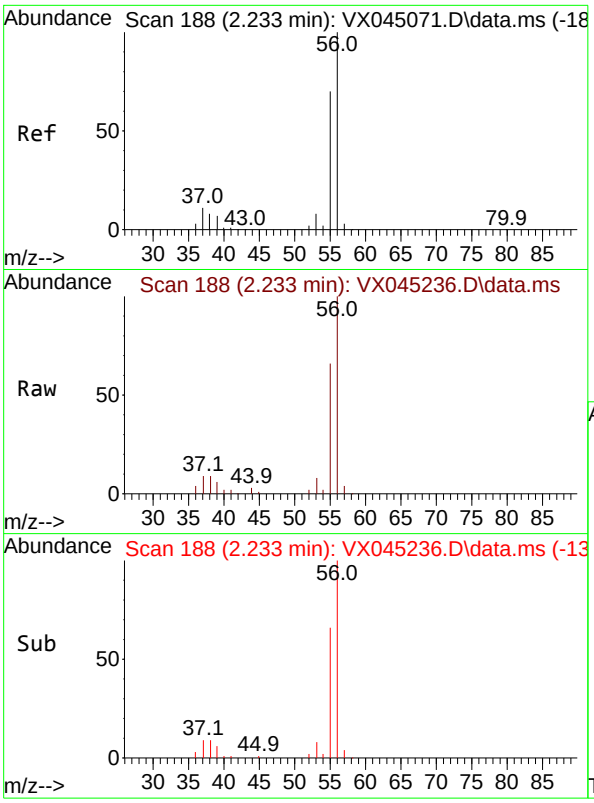


#12
1,1-Dichloroethene
Concen: 46.700 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 96 Resp: 53108

Ion	Ratio	Lower	Upper
96	100		
61	174.6	134.6	202.0
98	63.4	51.0	76.6



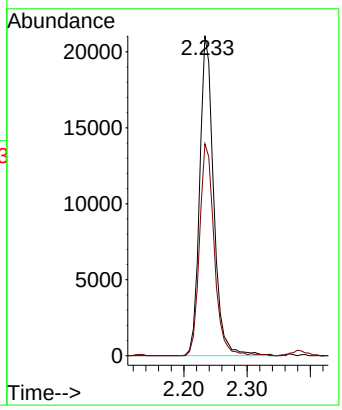


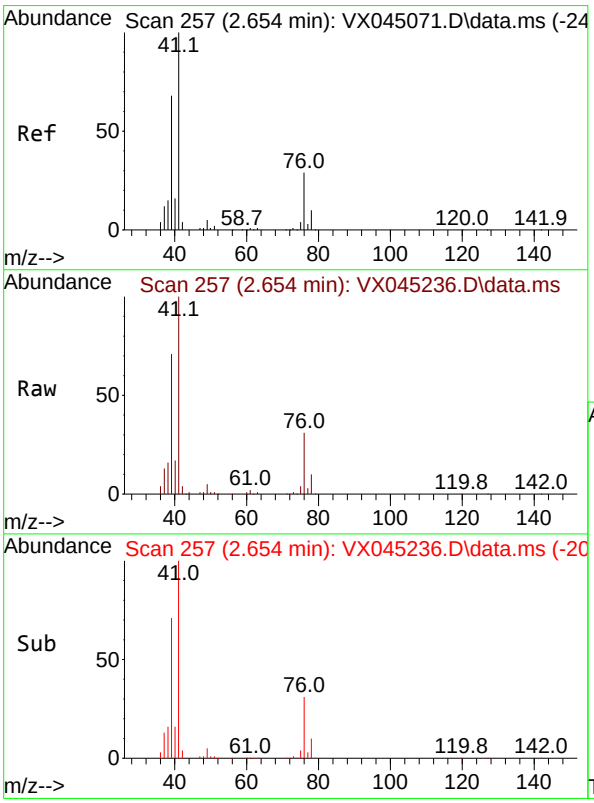
#13
Acrolein
Concen: 100.748 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 32474

Ion	Ratio	Lower	Upper
56	100		
55	69.6	56.2	84.4

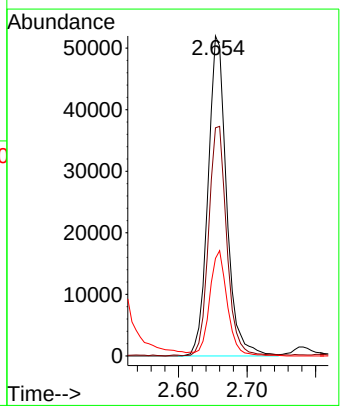


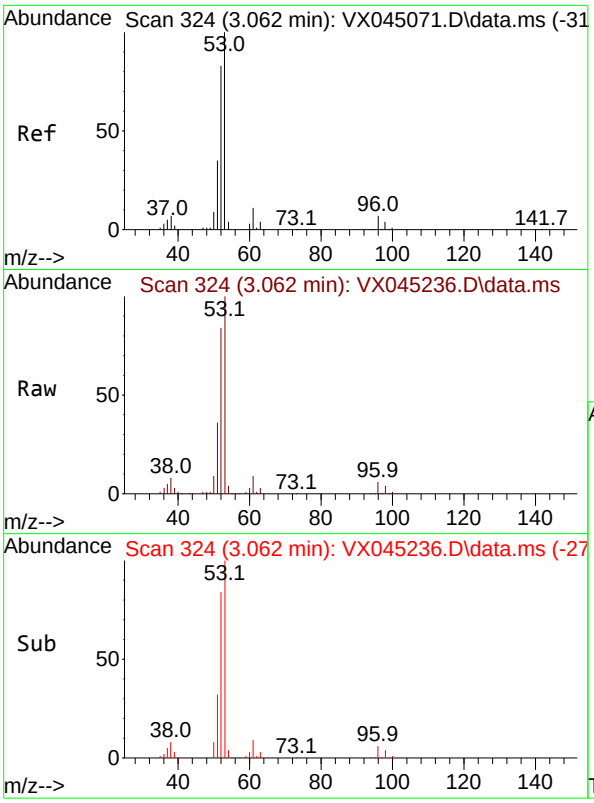


#14
Allyl chloride
Concen: 48.552 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 41 Resp: 98283

Ion	Ratio	Lower	Upper
41	100		
39	69.6	53.8	80.8
76	31.1	25.2	37.8



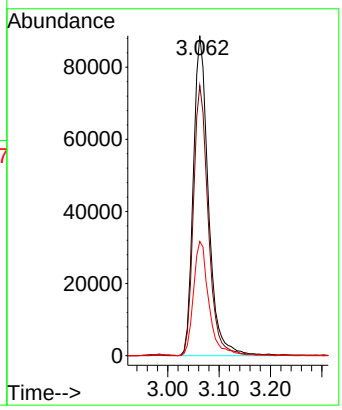


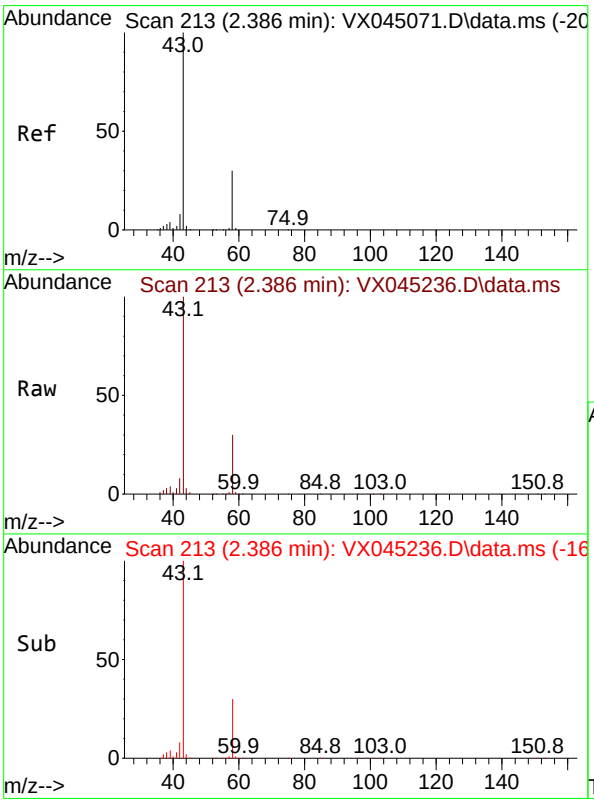
#15
Acrylonitrile
Concen: 243.211 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 181756

Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.2	99.2
51	36.5	29.0	43.4

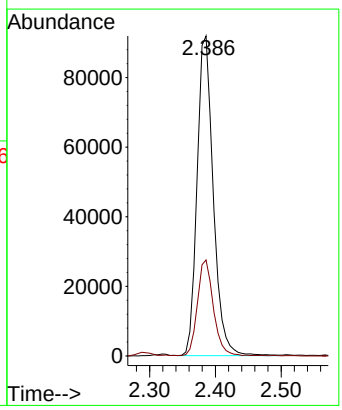


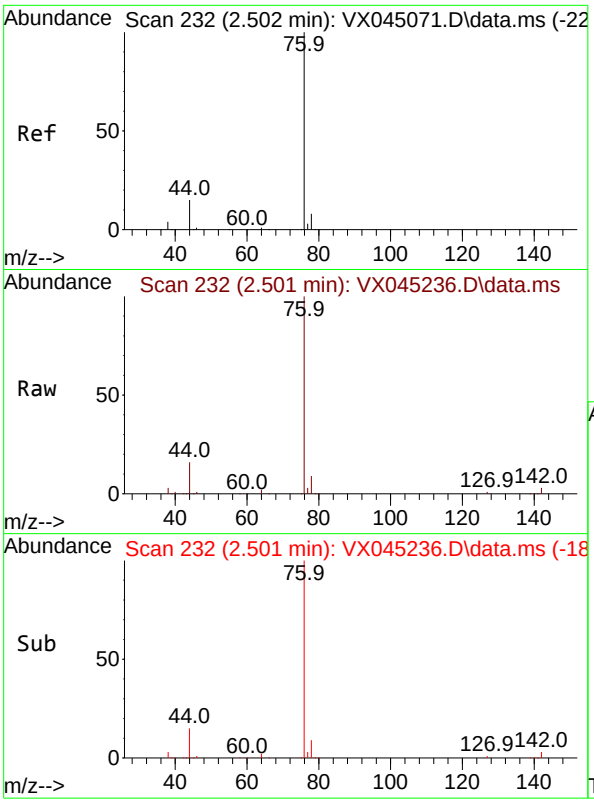


#16
Acetone
Concen: 229.716 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 43 Resp: 156898

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.2	36.4



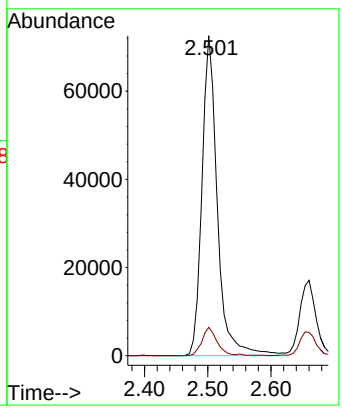


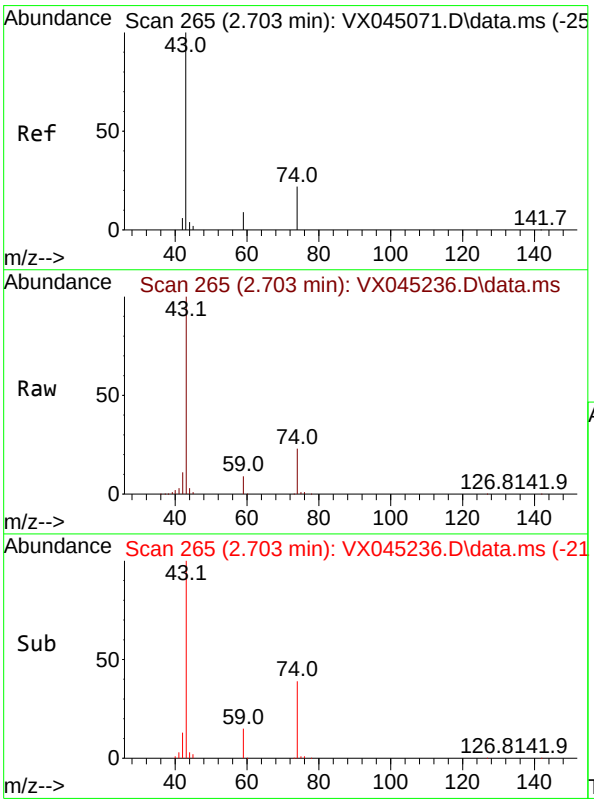
#17
Carbon Disulfide
Concen: 40.503 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 122680

Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.6	9.8

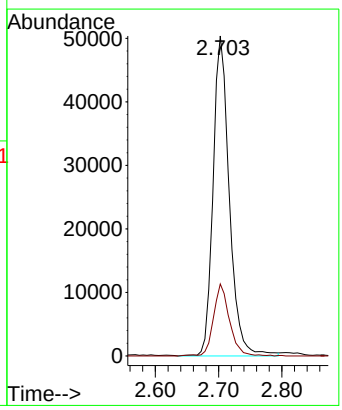


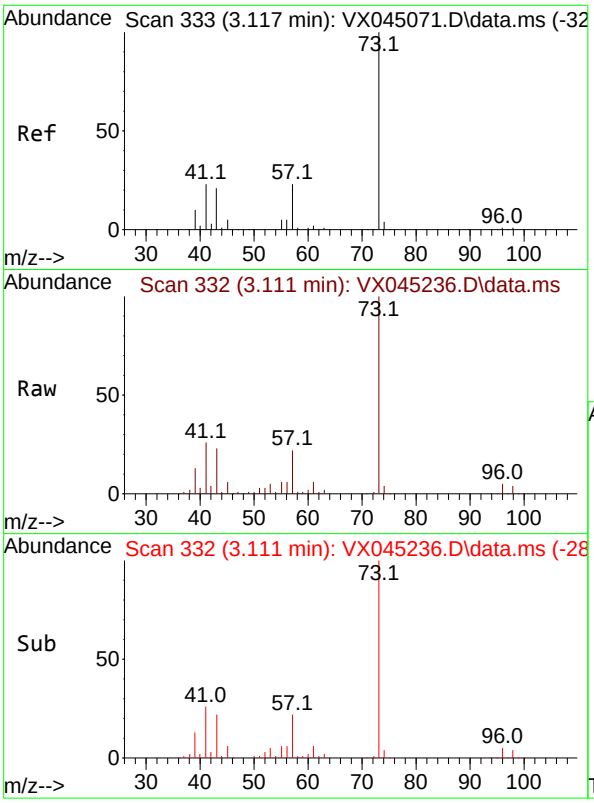


#18
Methyl Acetate
Concen: 54.618 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 43 Resp: 89742

Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2



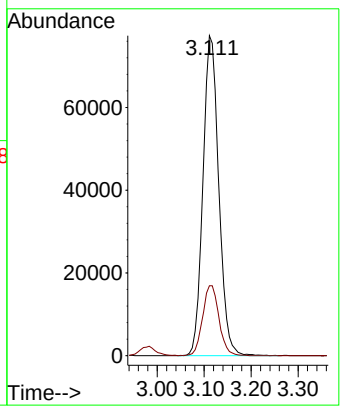


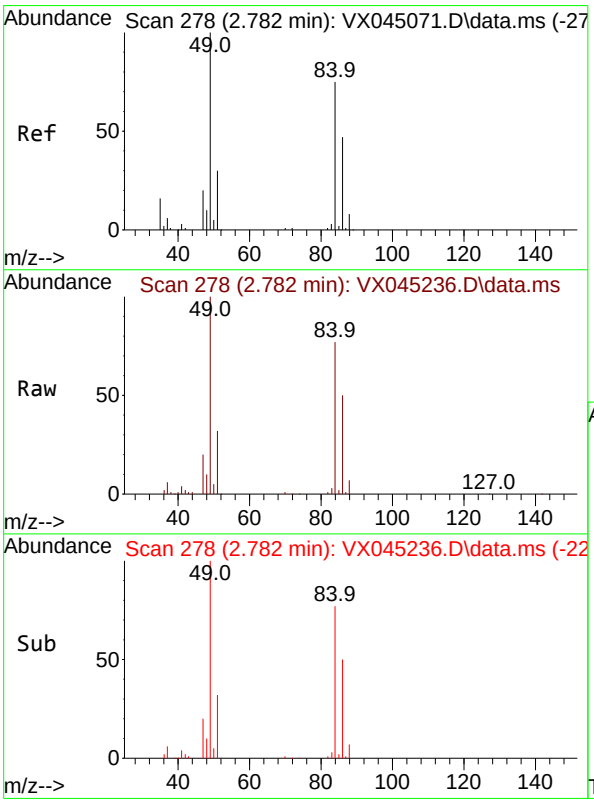
#19
Methyl tert-butyl Ether
Concen: 47.278 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 180382

Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.5	27.7

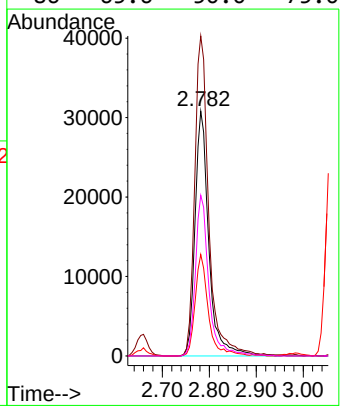


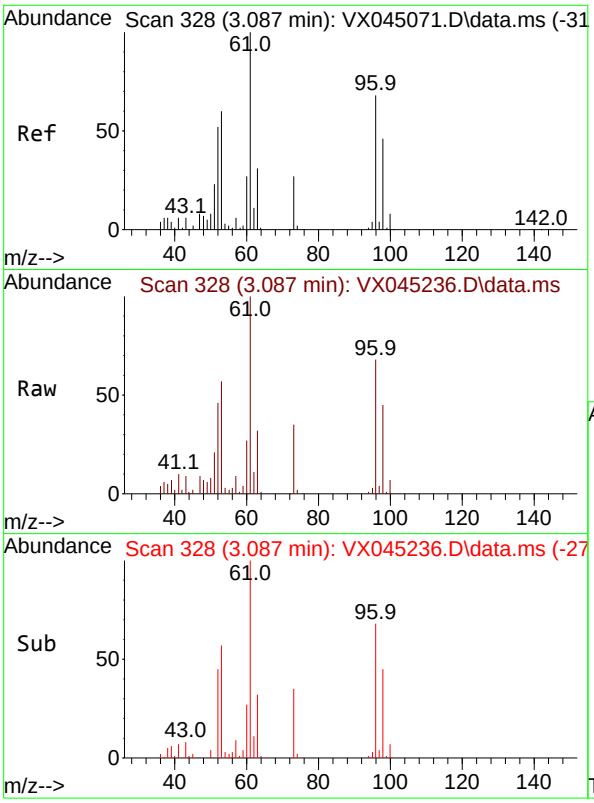


#20
Methylene Chloride
Concen: 46.554 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 84 Resp: 62985

Ion	Ratio	Lower	Upper
84	100		
49	130.7	106.5	159.7
51	41.4	32.1	48.1
86	65.6	50.0	75.0



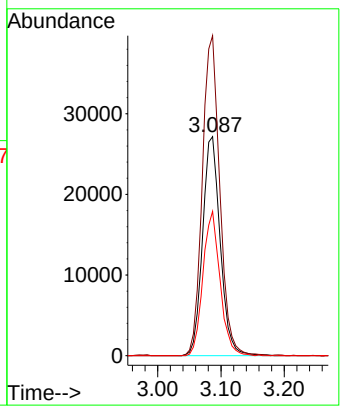


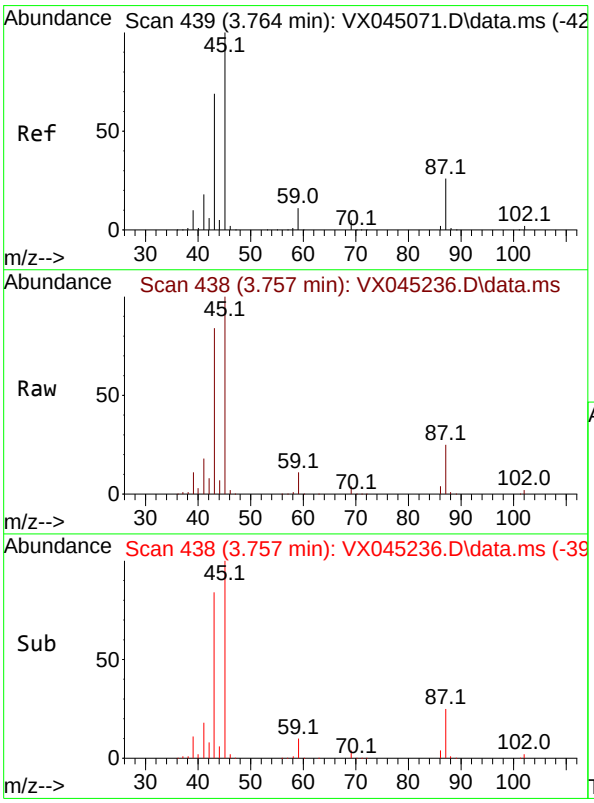
#21
trans-1,2-Dichloroethene
Concen: 46.934 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 52729

Ion	Ratio	Lower	Upper
96	100		
61	146.1	117.0	175.4
98	65.9	53.4	80.2

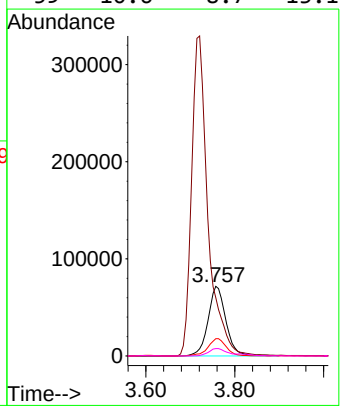


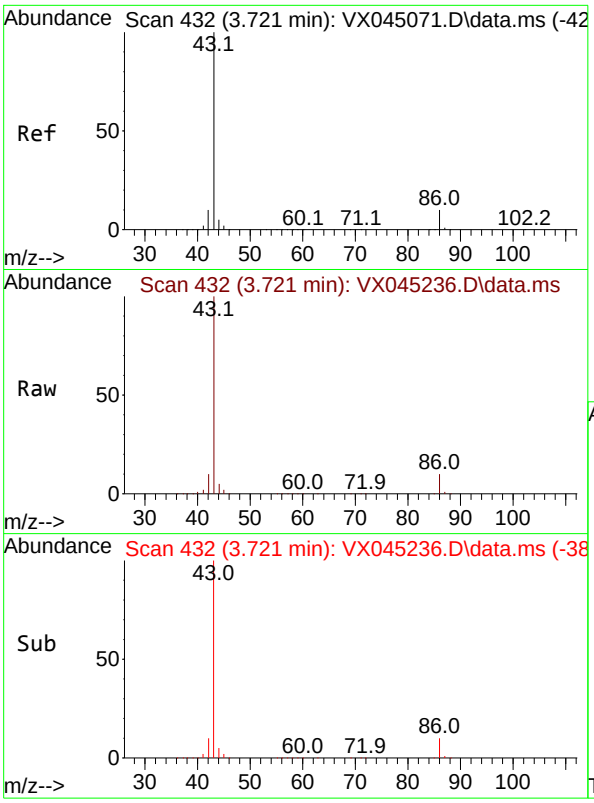


#22
Diisopropyl ether
Concen: 48.635 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 45 Resp: 200226

Ion	Ratio	Lower	Upper
45	100		
43	83.5	54.9	82.3#
87	24.9	21.0	31.4
59	10.6	8.7	13.1



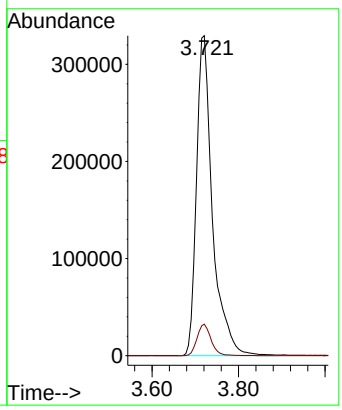


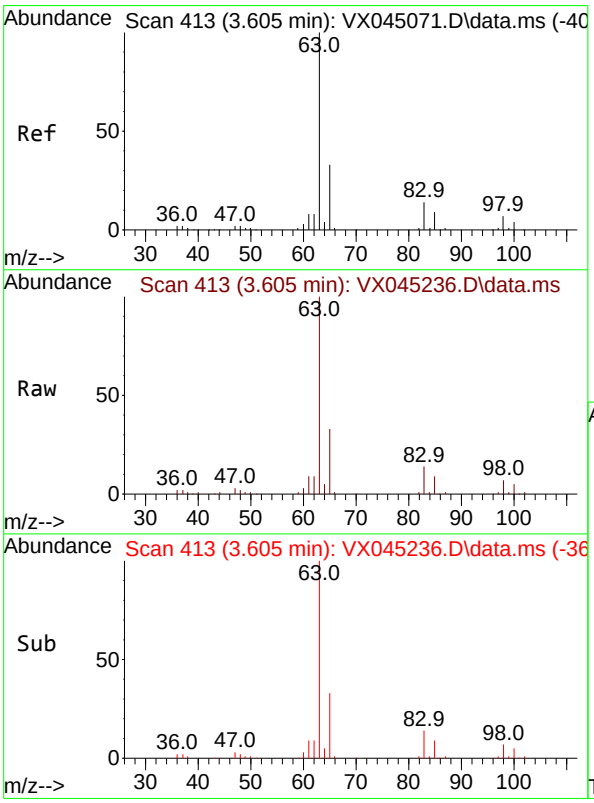
#23
Vinyl Acetate
Concen: 245.688 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 844079

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

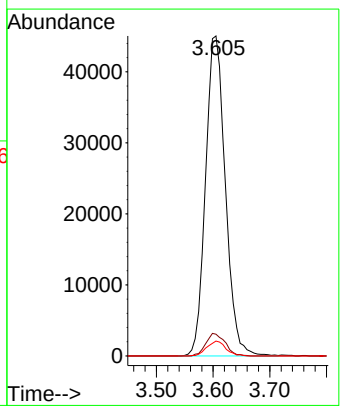


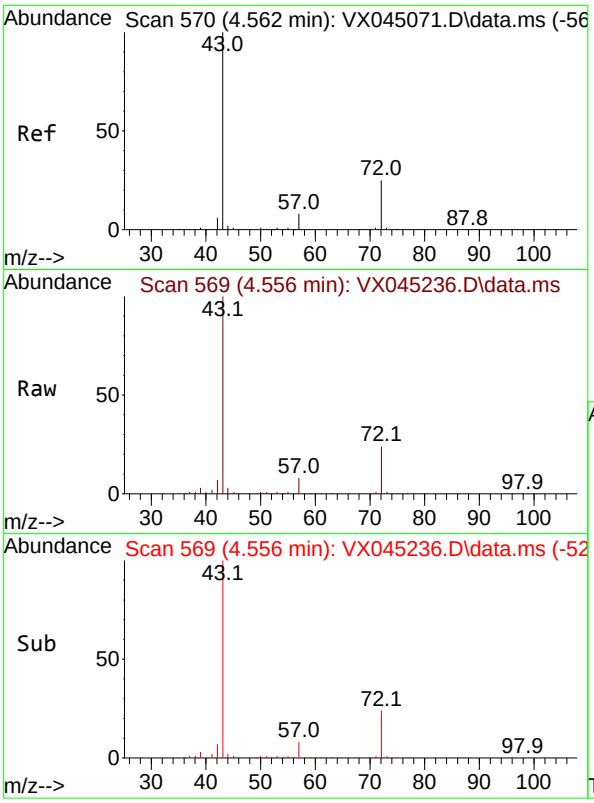


#24
1,1-Dichloroethane
Concen: 47.429 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 63 Resp: 109431

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.2
100	4.7	2.1	6.5



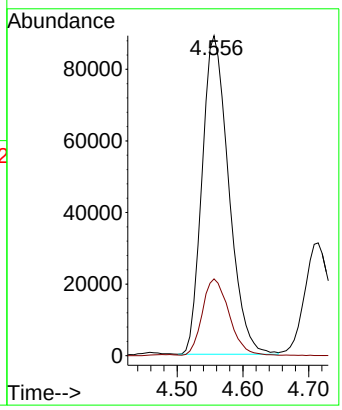


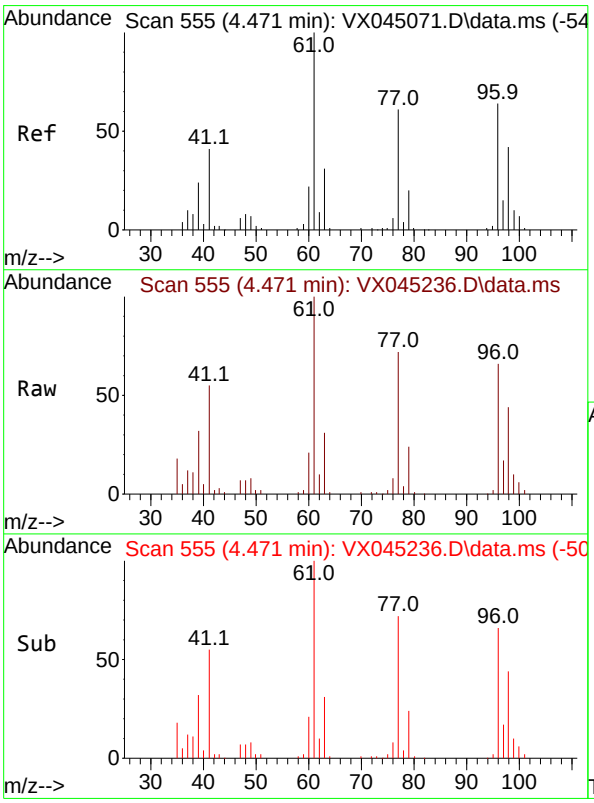
#25
2-Butanone
Concen: 244.195 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 251056

Ion	Ratio	Lower	Upper
43	100		
72	23.9	20.0	30.0

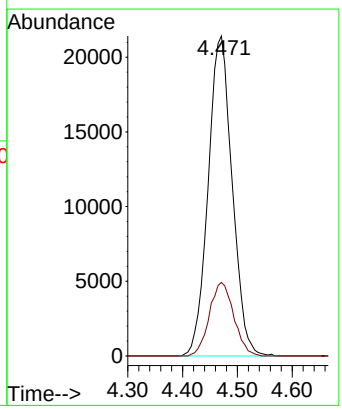


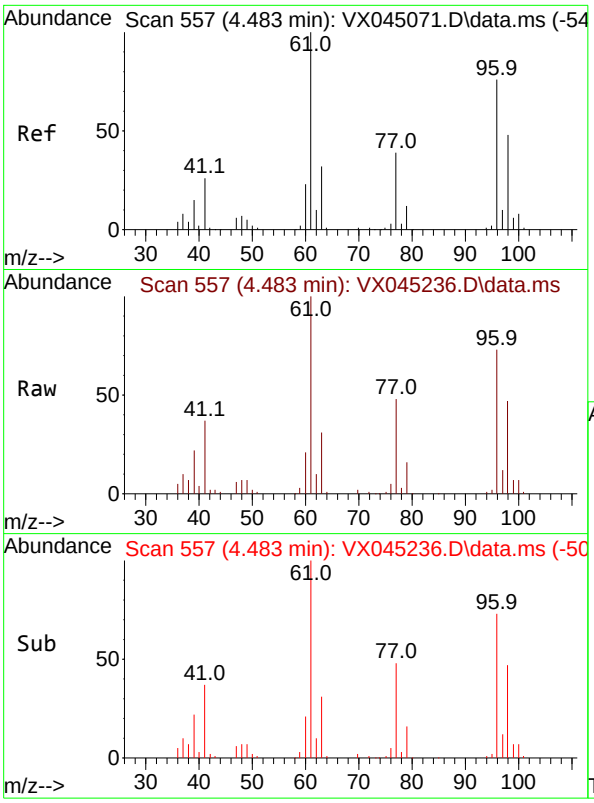


#26
2,2-Dichloropropane
Concen: 60.305 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 77 Resp: 65263

Ion	Ratio	Lower	Upper
77	100		
97	23.3	12.4	37.0



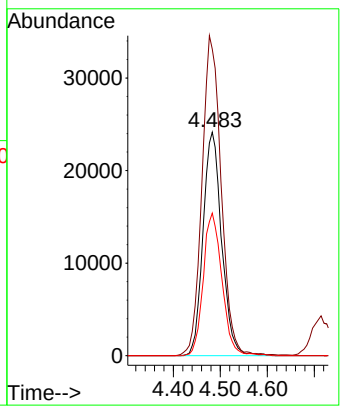


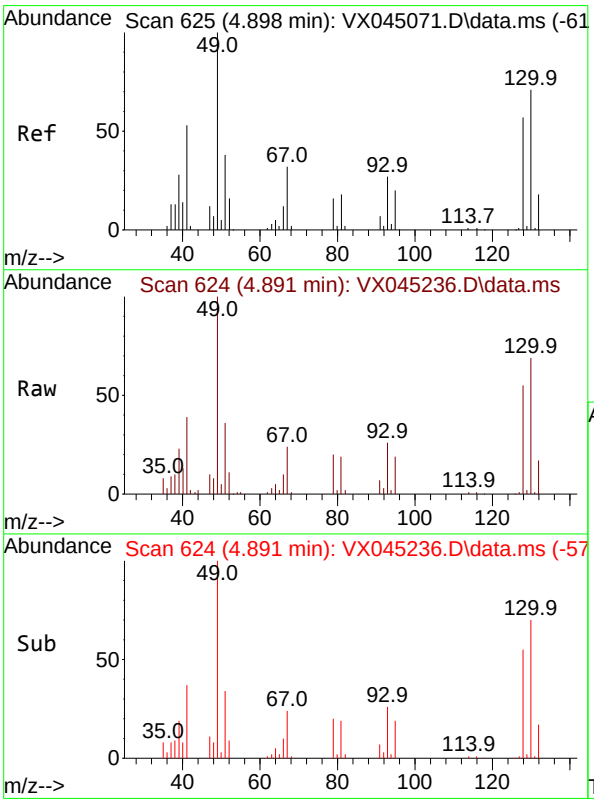
#27
cis-1,2-Dichloroethene
Concen: 47.873 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 66395

Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	283.2
98	64.0	0.0	128.0

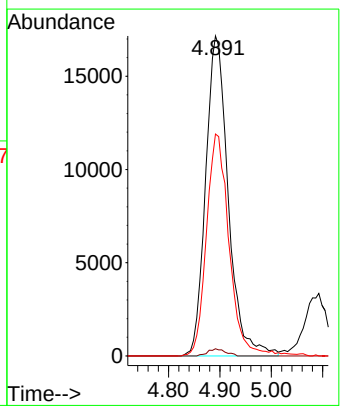


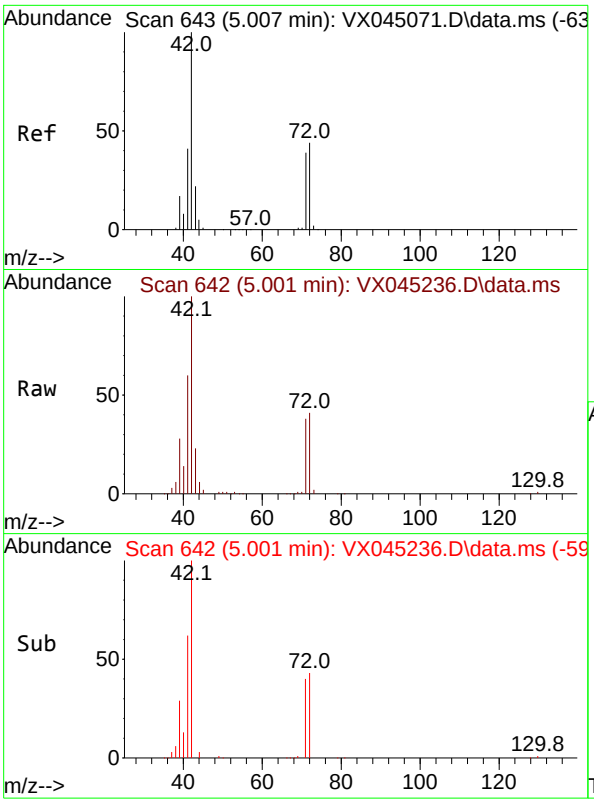


#28
Bromochloromethane
Concen: 47.718 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 49 Resp: 52477

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	69.6	56.1	84.1



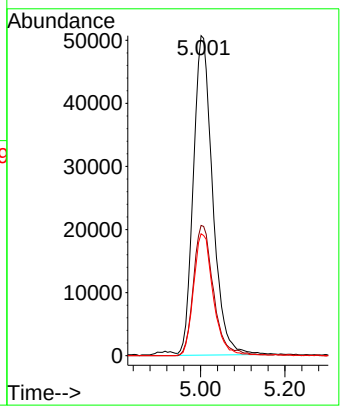


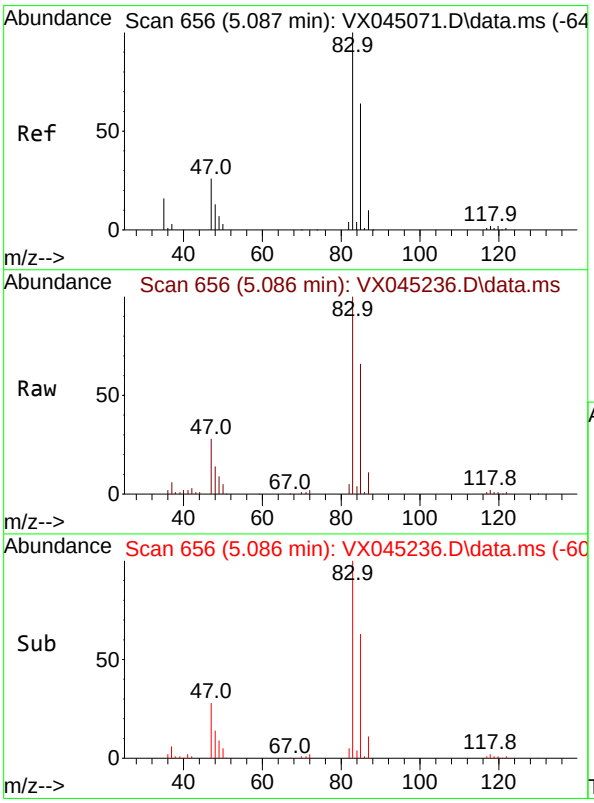
#29
Tetrahydrofuran
Concen: 233.669 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 161329

Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.1	51.1
71	38.8	31.4	47.0

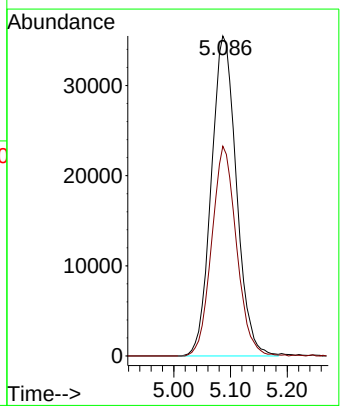


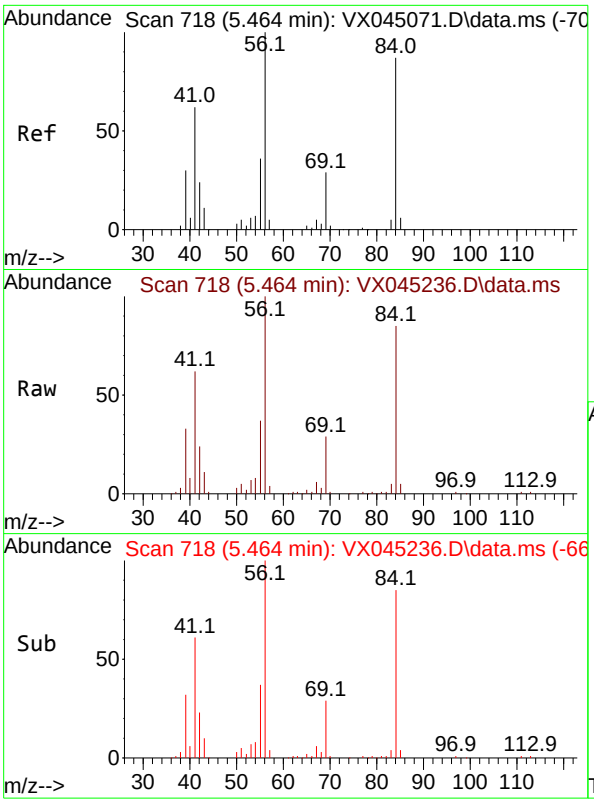


#30
Chloroform
Concen: 47.688 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 83 Resp: 109326

Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.4	77.2



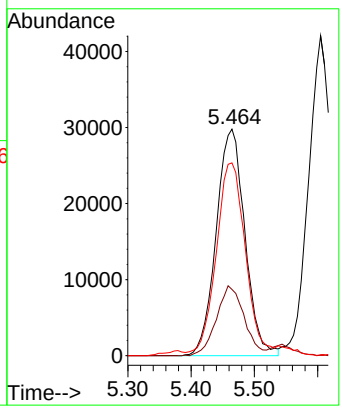


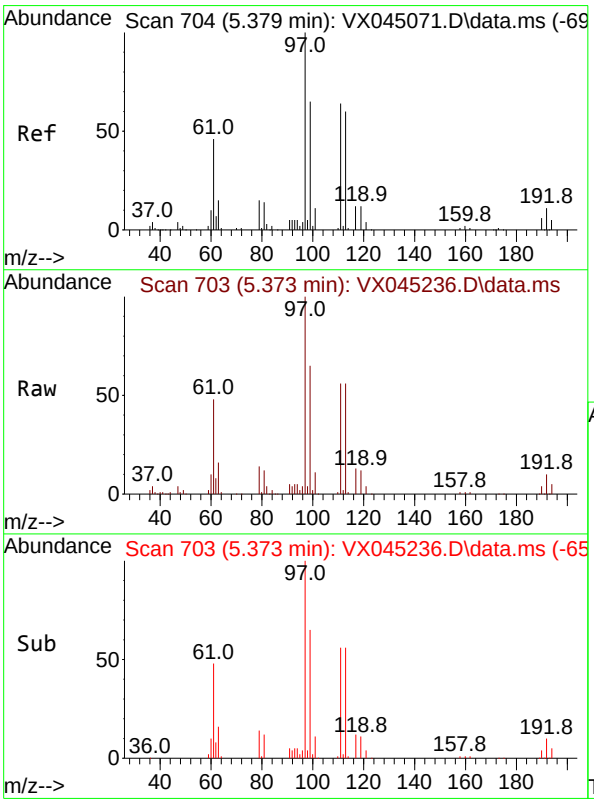
#31
Cyclohexane
Concen: 46.852 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 93837

Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.4	35.2
84	82.9	69.4	104.2

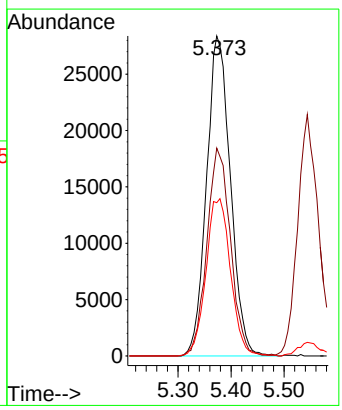


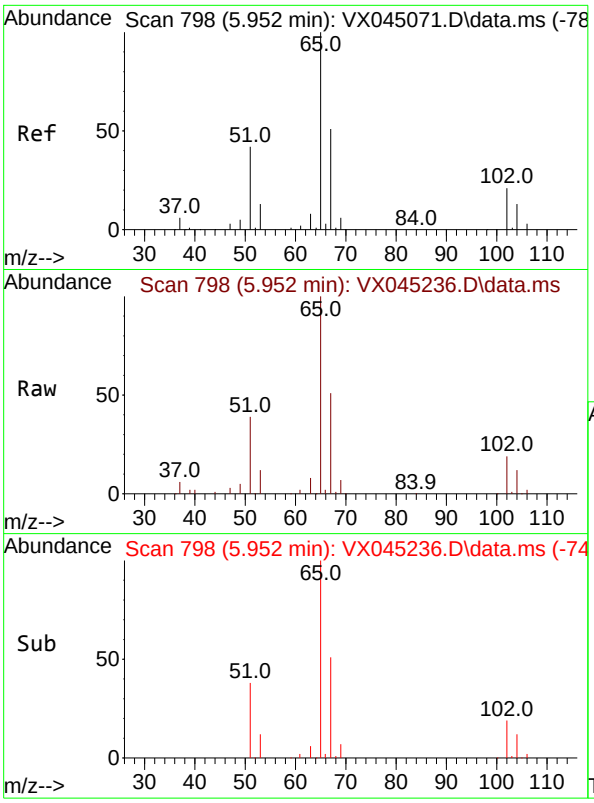


#32
1,1,1-Trichloroethane
Concen: 47.964 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 97 Resp: 88809

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	50.7	38.4	57.6



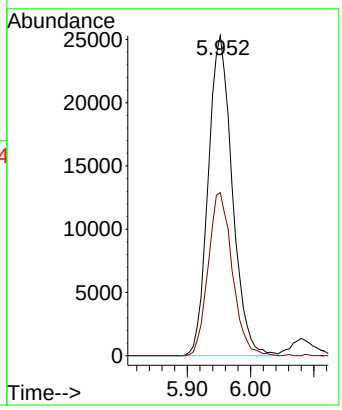


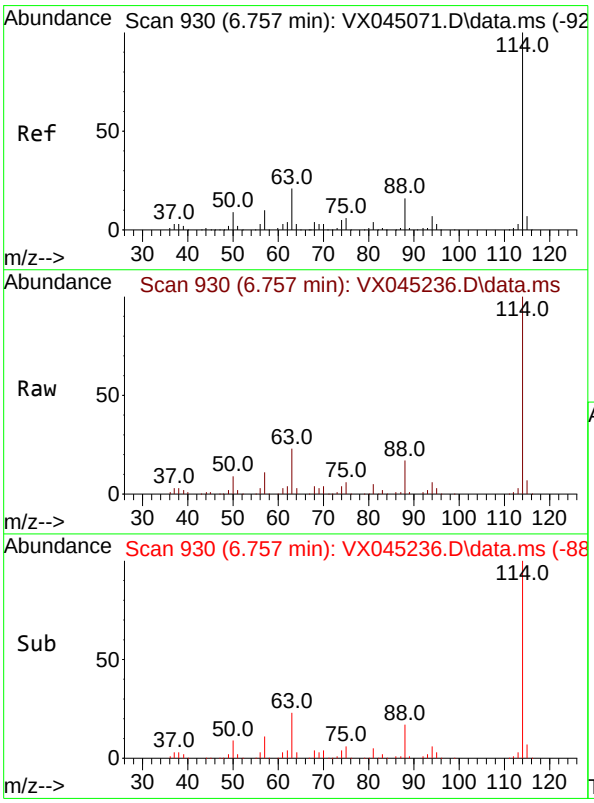
#33
1,2-Dichloroethane-d4
Concen: 45.363 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 66778

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	106.2

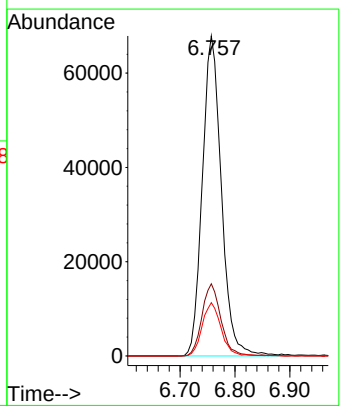


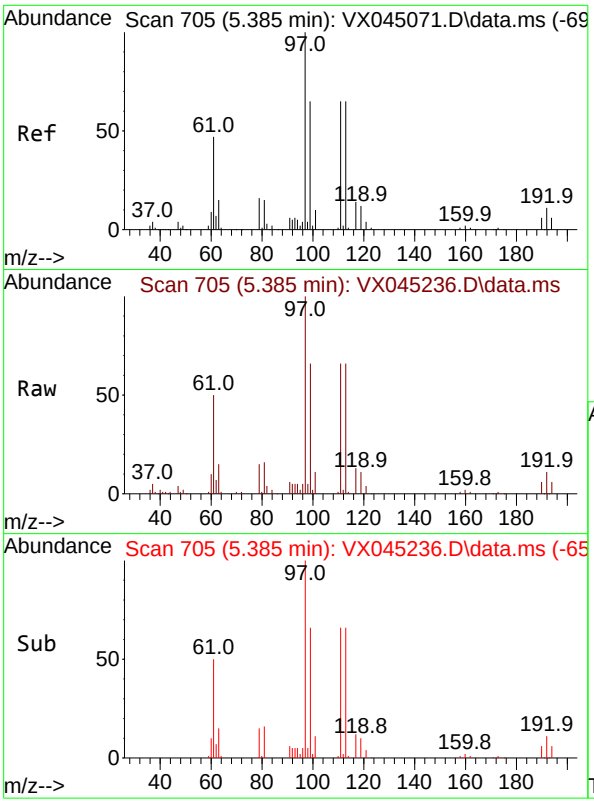


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:114 Resp: 163844

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



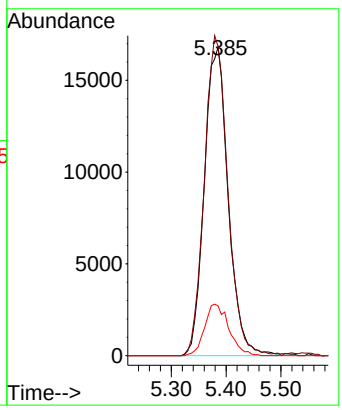


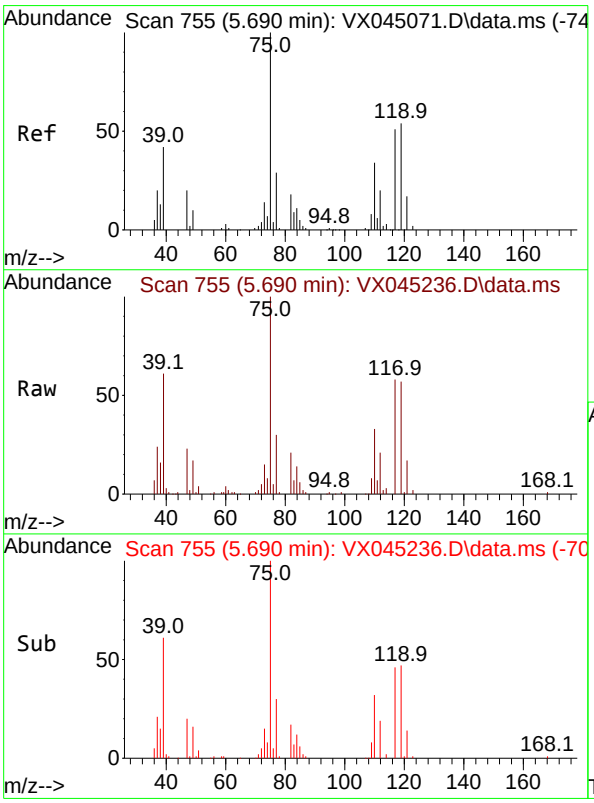
#35
Dibromofluoromethane
Concen: 46.280 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 50703

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.6
192	17.0	14.3	21.5

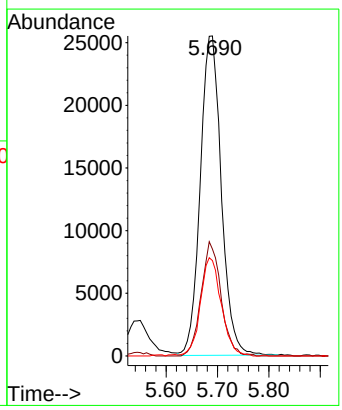


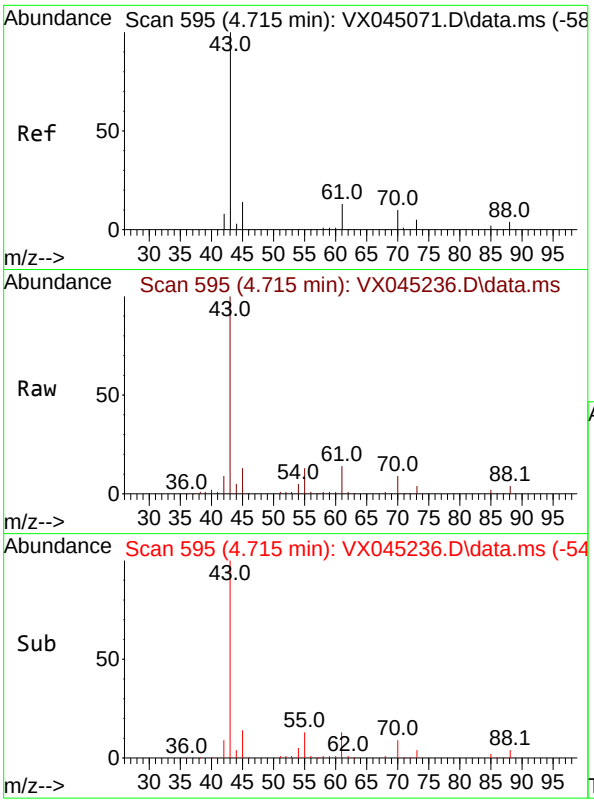


#36
1,1-Dichloropropene
Concen: 48.325 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 75 Resp: 72608

Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.5	24.5	36.7



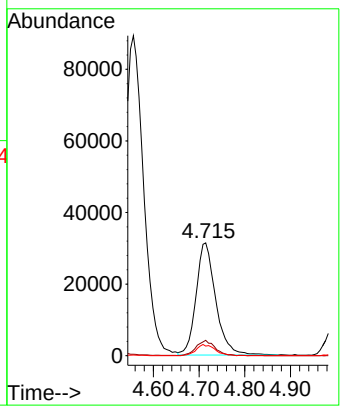


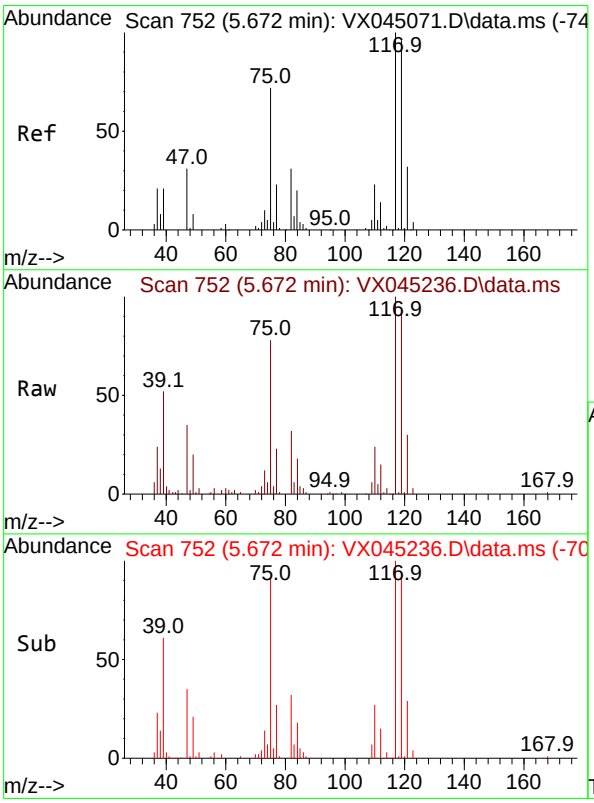
#37
Ethyl Acetate
Concen: 48.257 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 93428

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.8	16.2
70	9.7	7.7	11.5

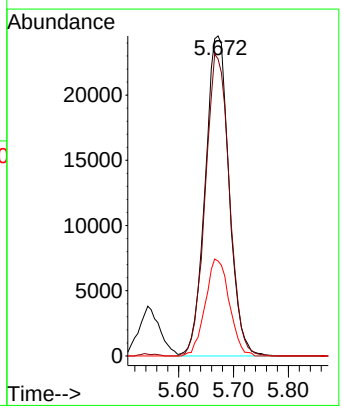


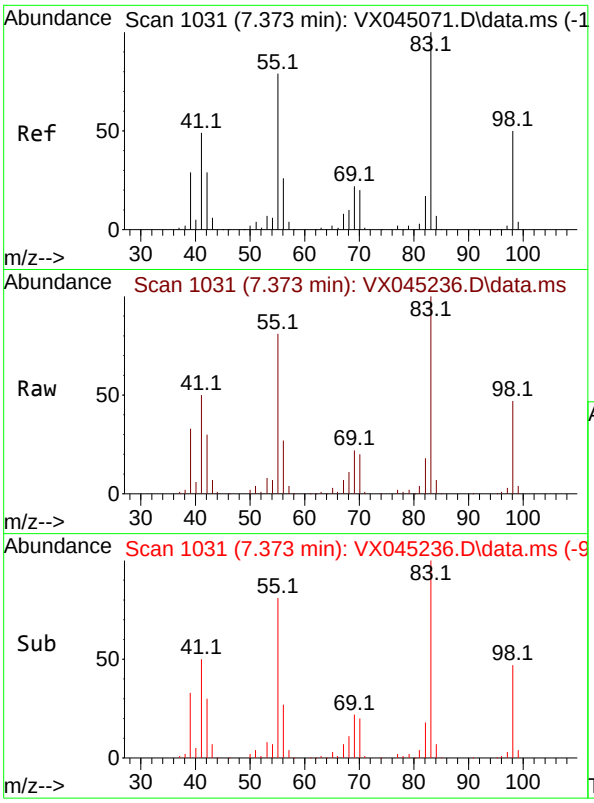


#38
Carbon Tetrachloride
Concen: 48.524 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:117 Resp: 74018

Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.7	115.1
121	29.6	25.5	38.3



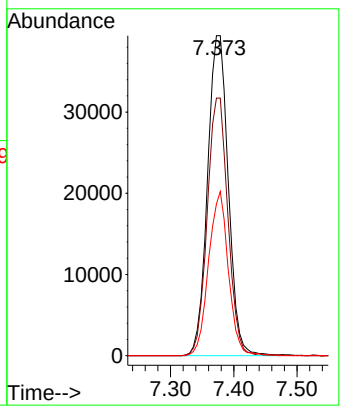


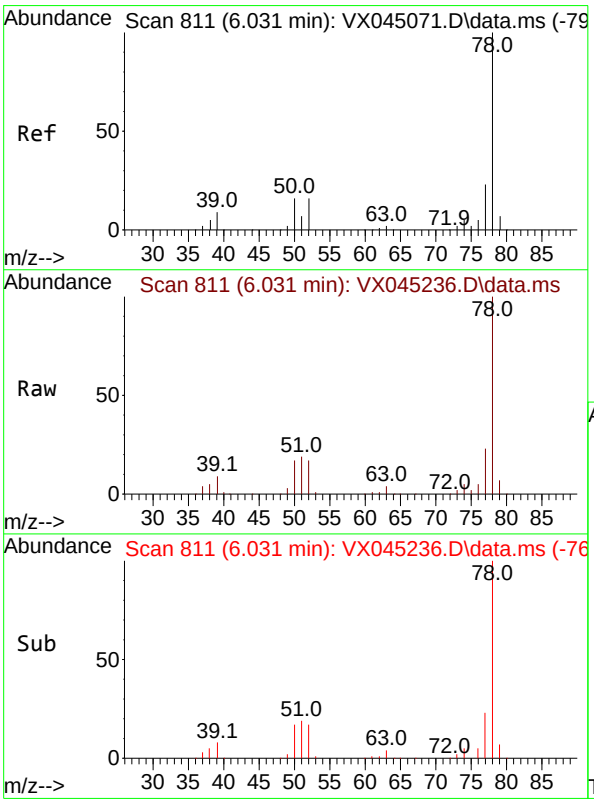
#39
Methylcyclohexane
Concen: 49.918 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 89869

Ion	Ratio	Lower	Upper
83	100		
55	80.5	63.0	94.4
98	47.4	39.7	59.5

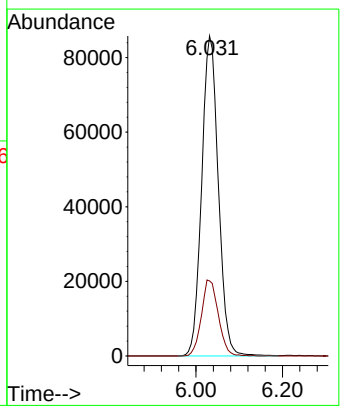


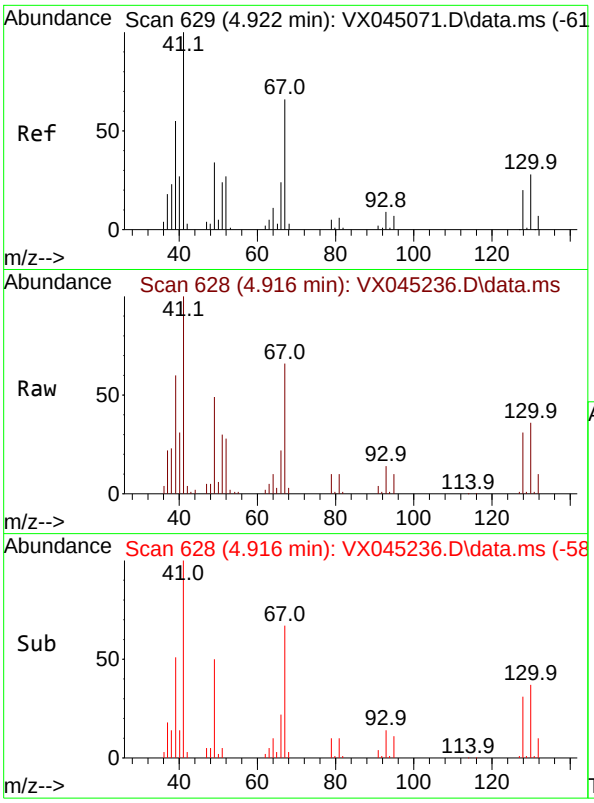


#40
Benzene
Concen: 48.279 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 78 Resp: 229062

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2



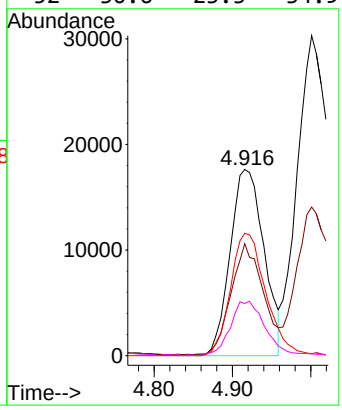


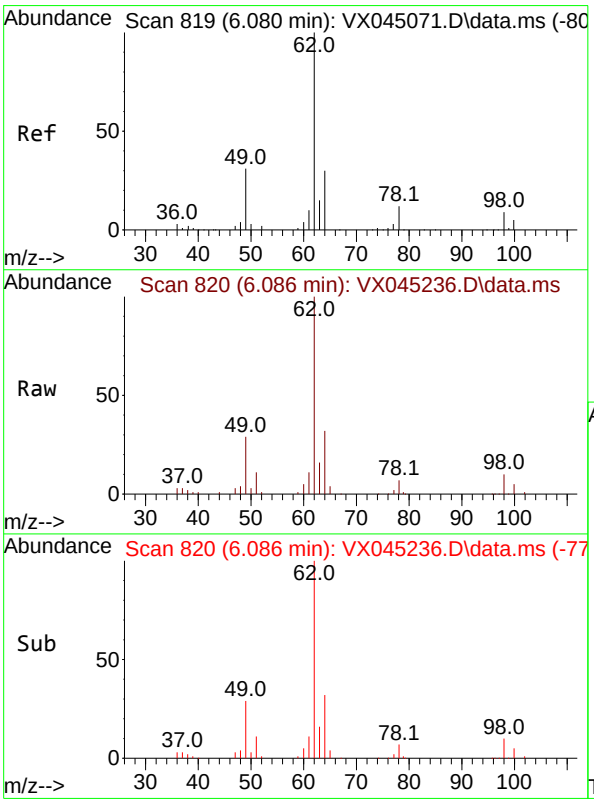
#41
Methacrylonitrile
Concen: 50.825 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 53206

Ion	Ratio	Lower	Upper
41	100		
39	56.0	44.6	67.0
67	68.5	53.9	80.9
52	30.6	23.3	34.9

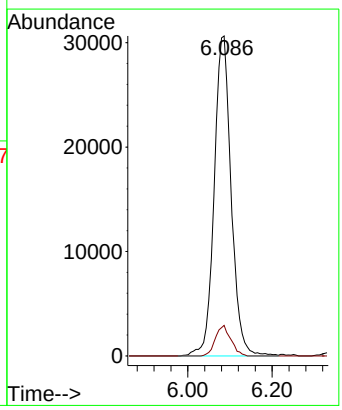


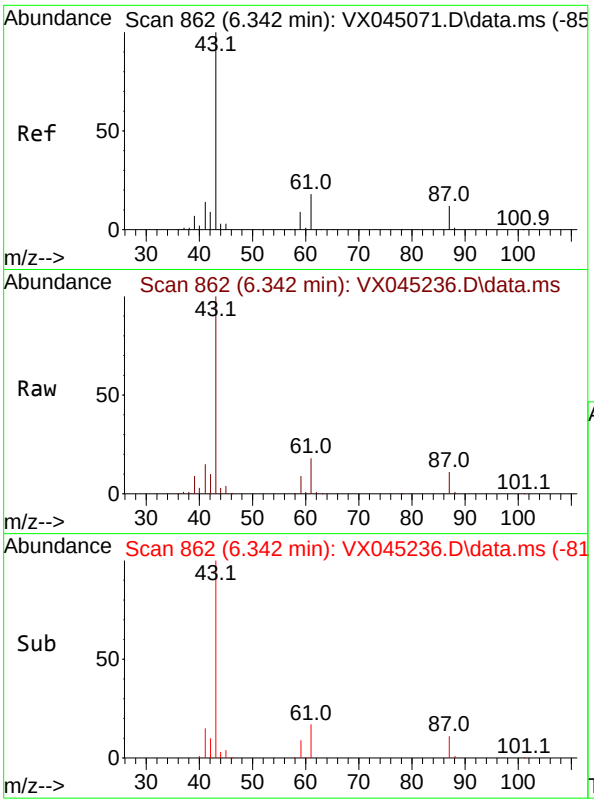


#42
1,2-Dichloroethane
Concen: 50.114 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 62 Resp: 85619

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2



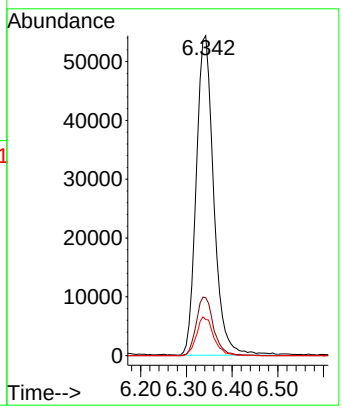


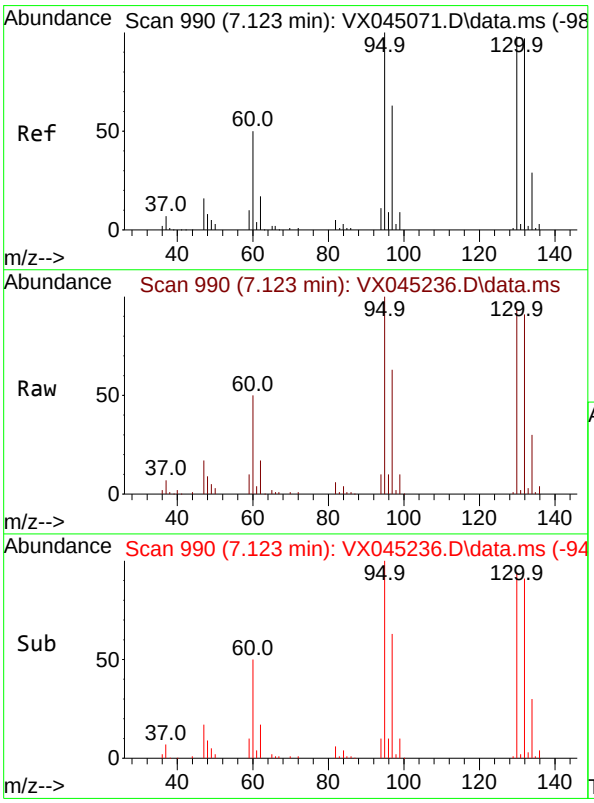
#43
Isopropyl Acetate
Concen: 50.354 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 144156

Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.9	22.3
87	11.9	9.4	14.2

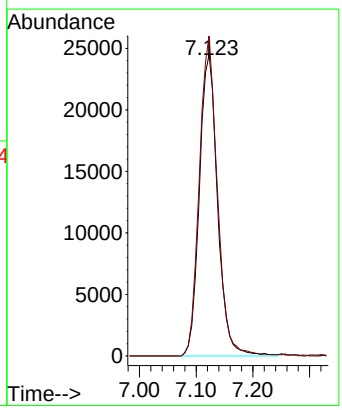


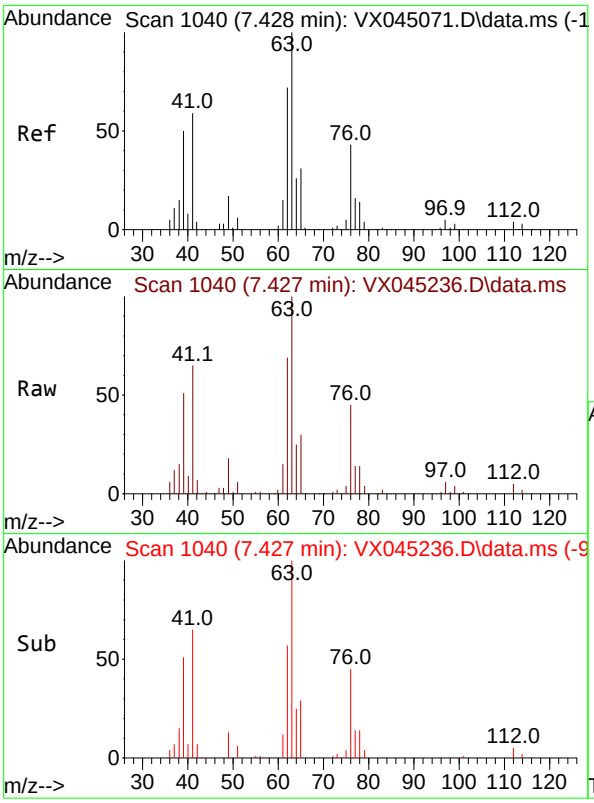


#44
Trichloroethene
Concen: 48.992 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:130 Resp: 54580

Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	205.0



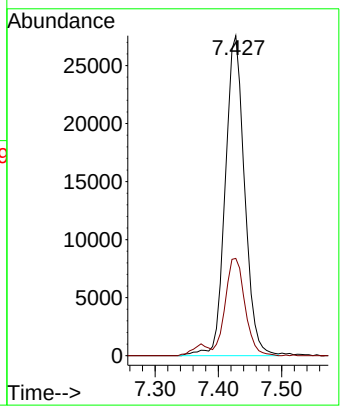


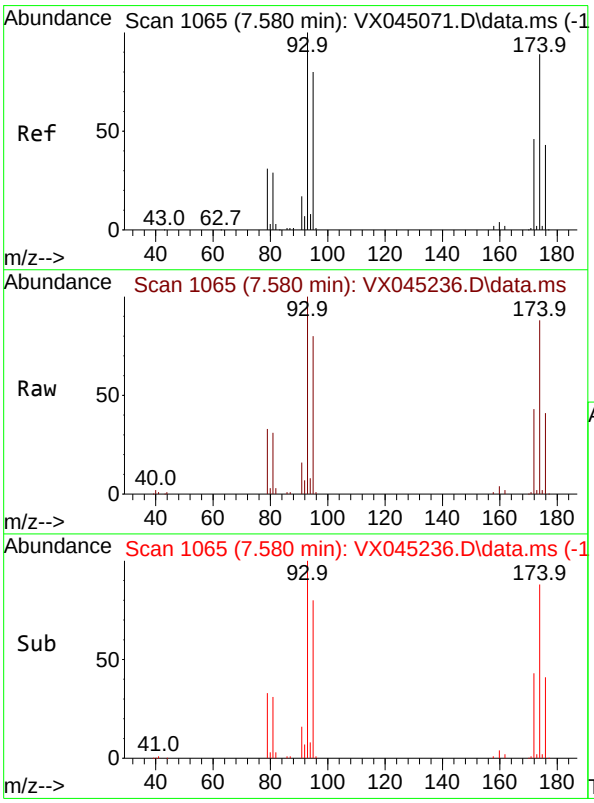
#45
1,2-Dichloropropane
Concen: 47.849 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 58369

Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.7	37.1

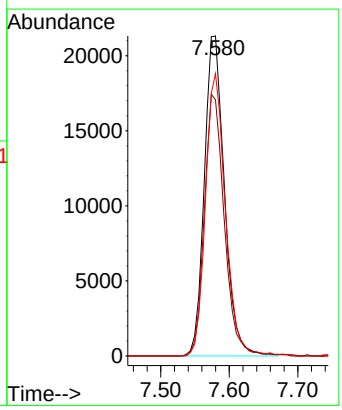


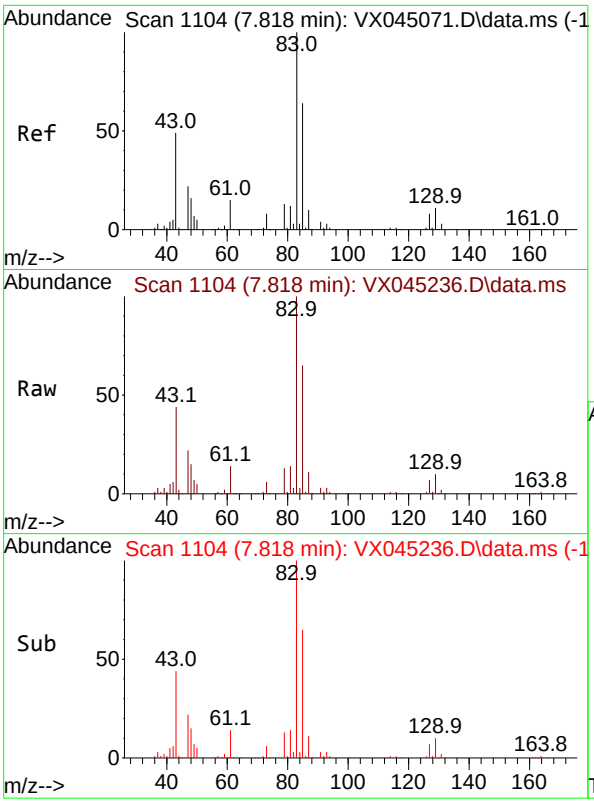


#46
Dibromomethane
Concen: 50.517 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 93 Resp: 43556

Ion	Ratio	Lower	Upper
93	100		
95	81.6	65.8	98.8
174	86.9	72.2	108.2



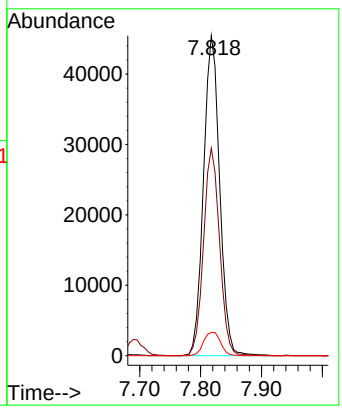


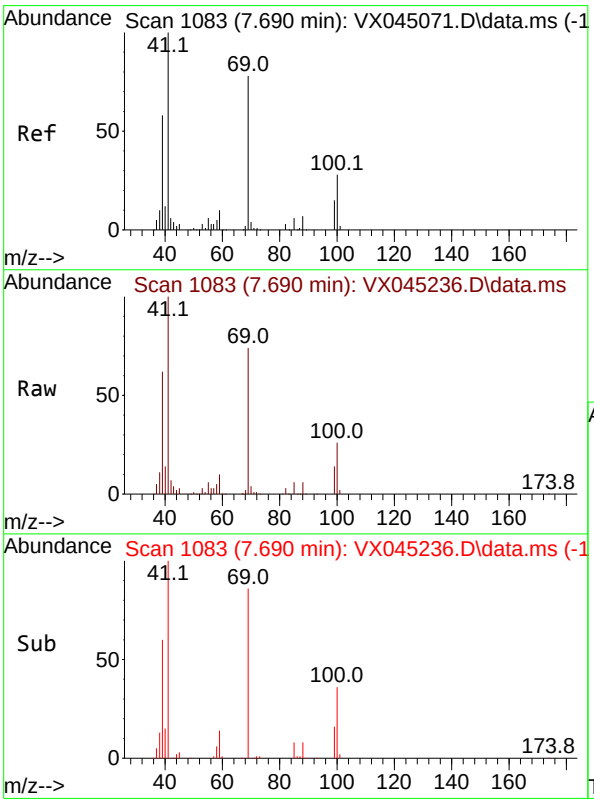
#47
Bromodichloromethane
Concen: 49.493 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 83702

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.1	76.7
127	7.2	6.4	9.6

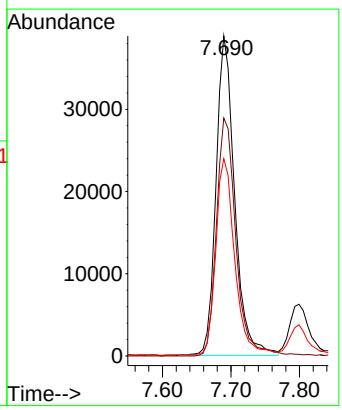


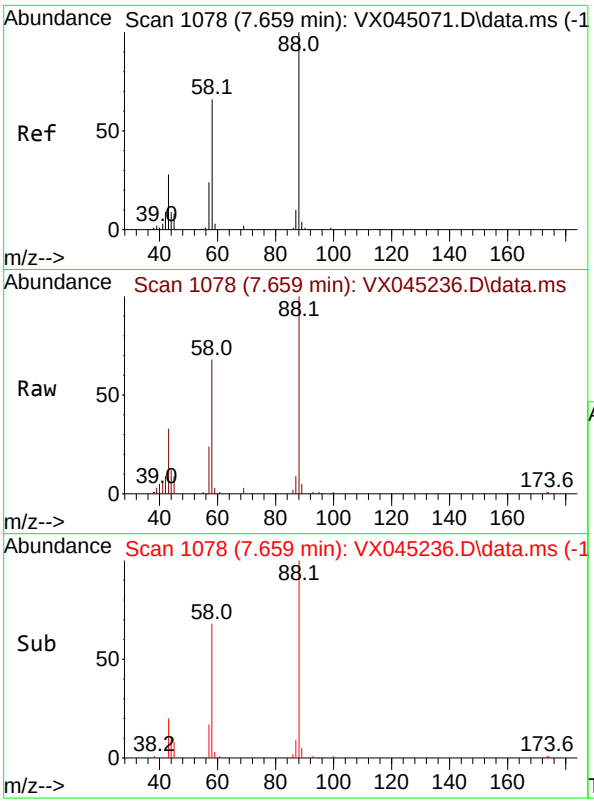


#48
Methyl methacrylate
Concen: 50.982 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 41 Resp: 73223

Ion	Ratio	Lower	Upper
41	100		
69	78.4	63.0	94.6
39	62.1	47.5	71.3



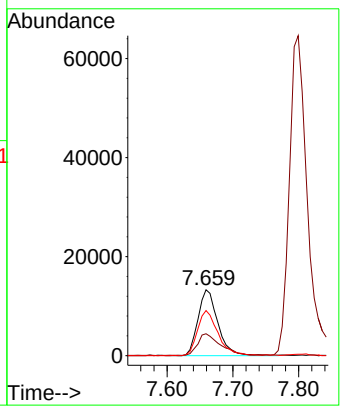


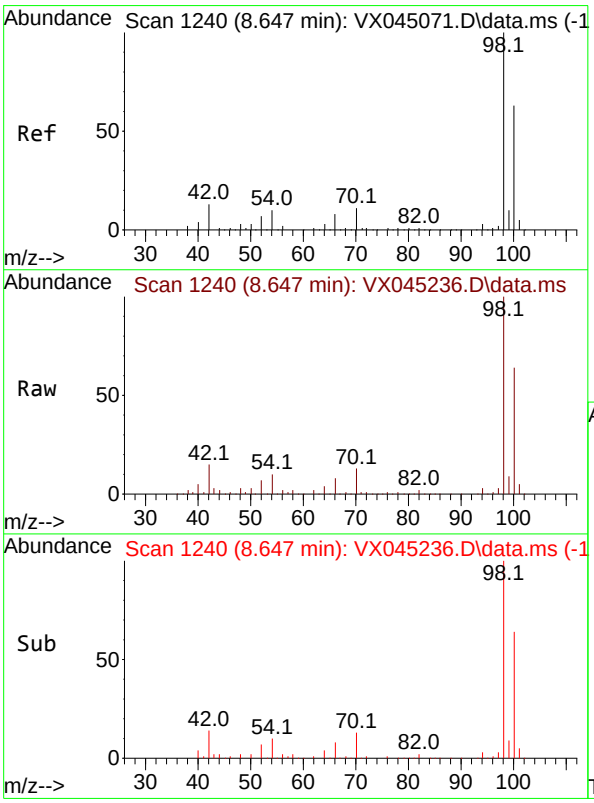
#49
1,4-Dioxane
Concen: 921.987 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 27933

Ion	Ratio	Lower	Upper
88	100		
43	37.4	28.7	43.1
58	70.6	55.8	83.8

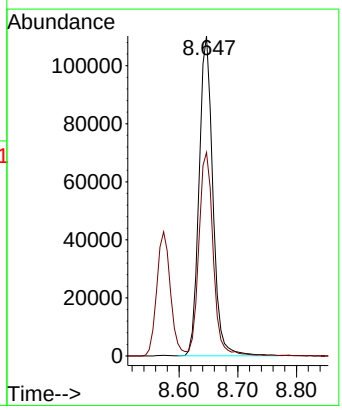


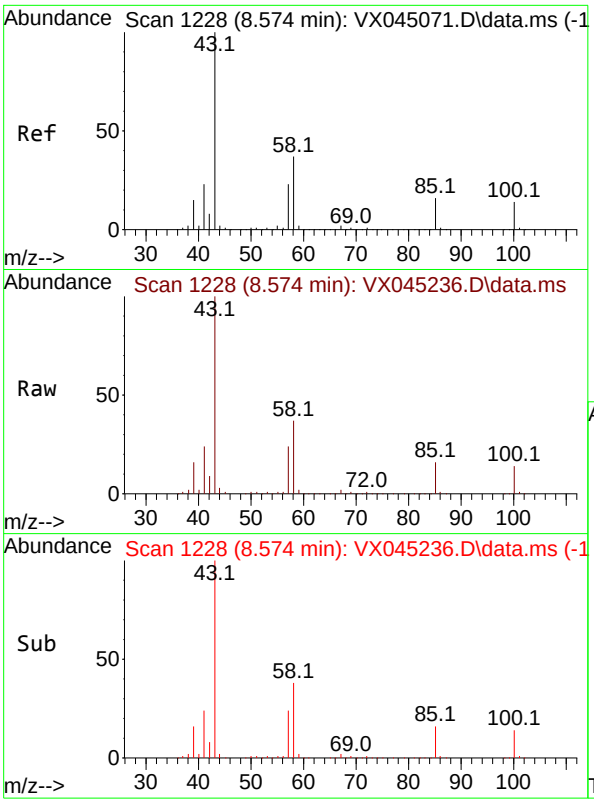


#50
Toluene-d8
Concen: 45.304 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 98 Resp: 179940

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.0	78.0



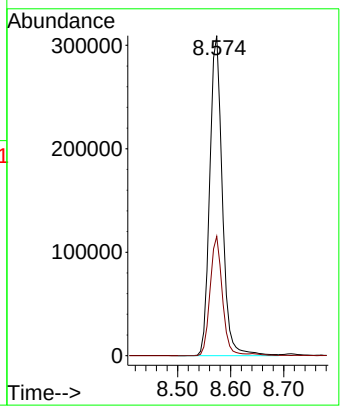


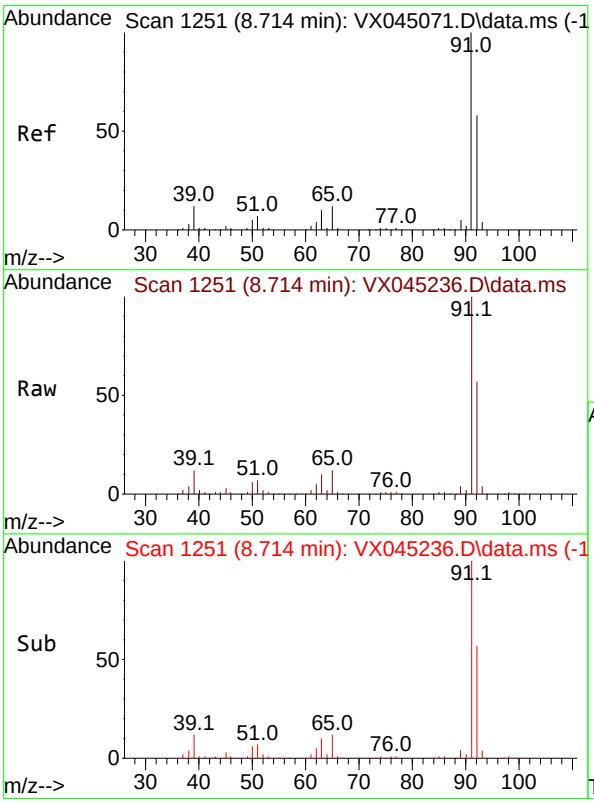
#51
4-Methyl-2-Pentanone
Concen: 265.178 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 509737

Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.2	43.8

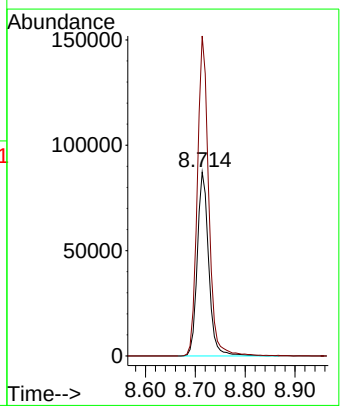


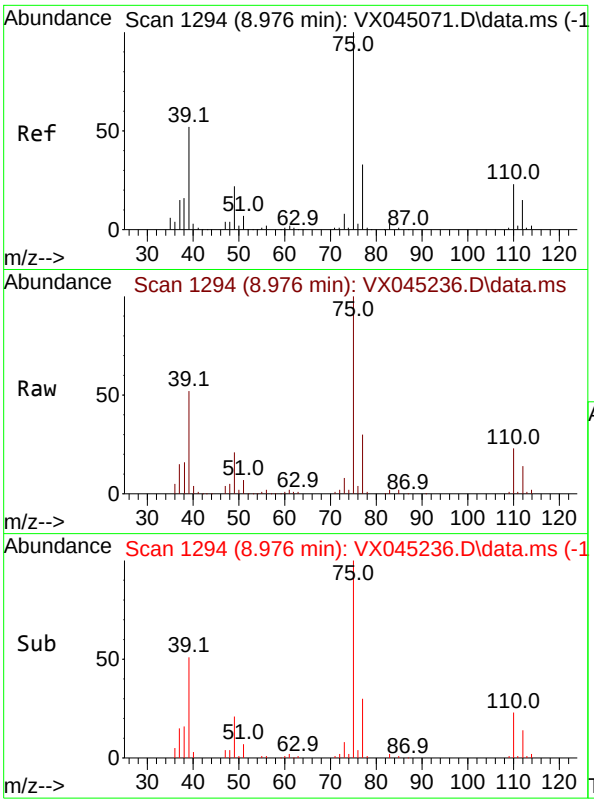


#52
Toluene
Concen: 49.706 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 92 Resp: 138365

Ion	Ratio	Lower	Upper
92	100		
91	173.6	138.9	208.3



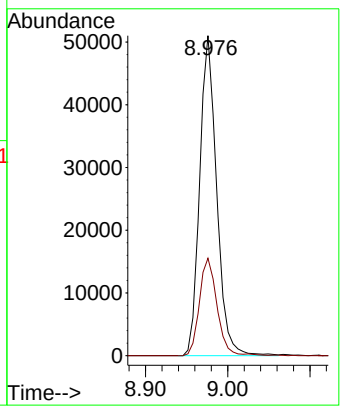


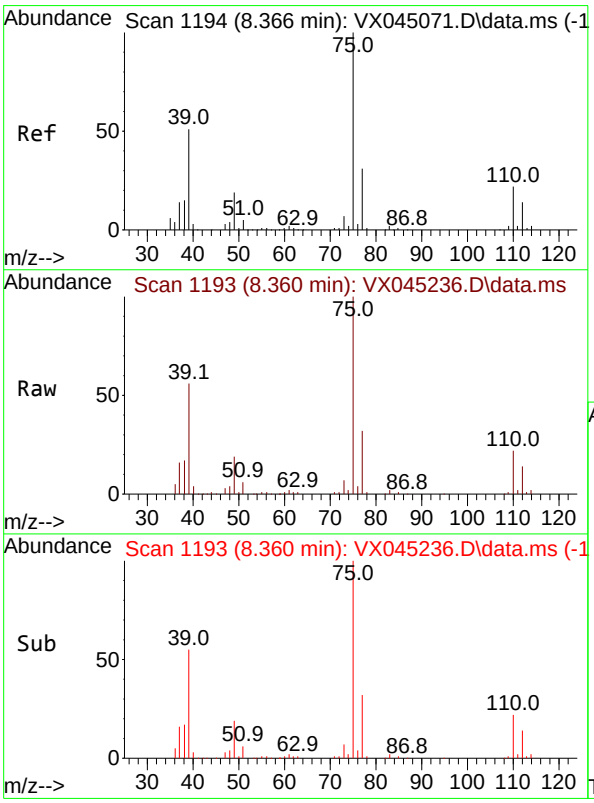
#53
t-1,3-Dichloropropene
Concen: 51.776 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 73204

Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.5	39.7

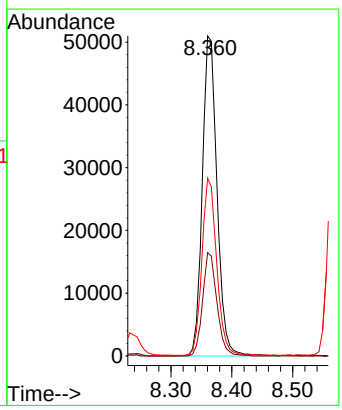


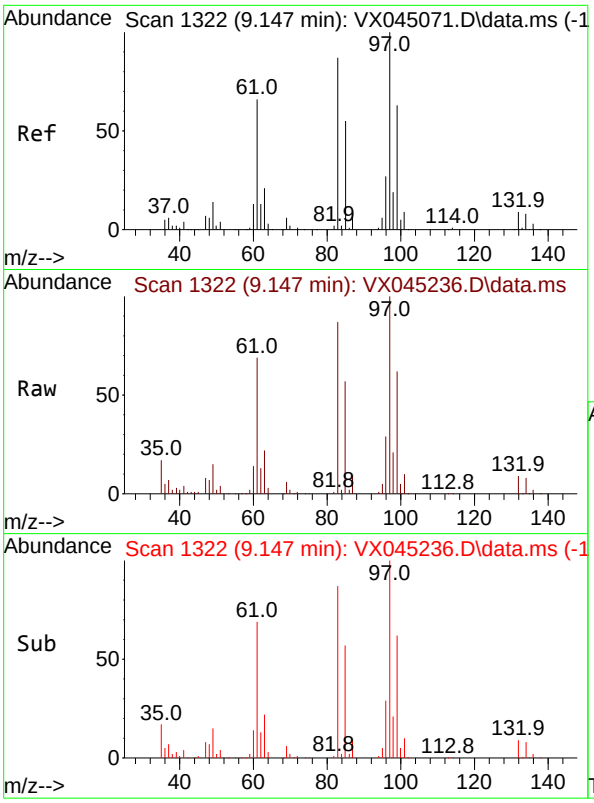


#54
cis-1,3-Dichloropropene
Concen: 51.871 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 75 Resp: 85519

Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.7	37.1
39	55.3	40.7	61.1



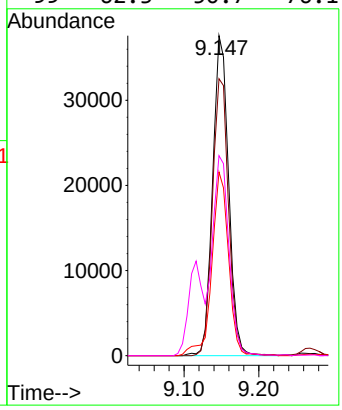


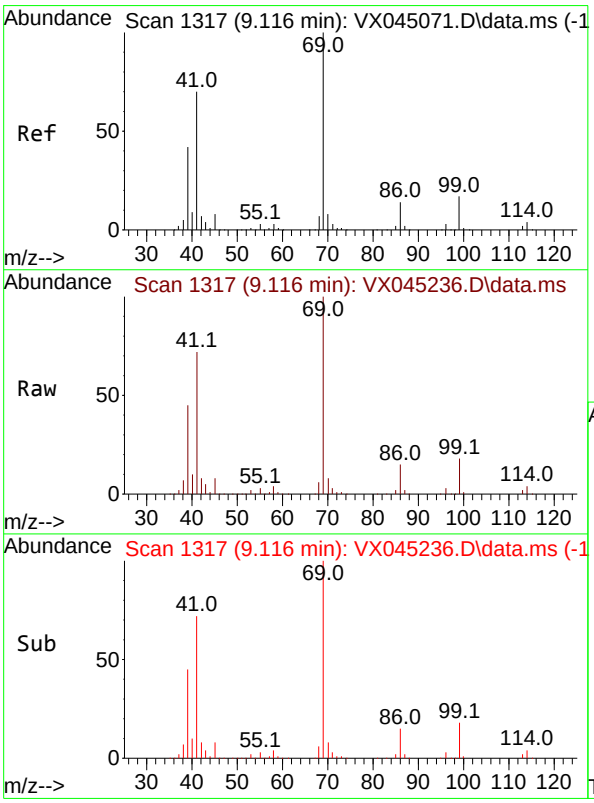
#55
1,1,2-Trichloroethane
Concen: 48.779 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 55900

Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.4	104.2
85	57.4	44.1	66.1
99	62.3	50.7	76.1

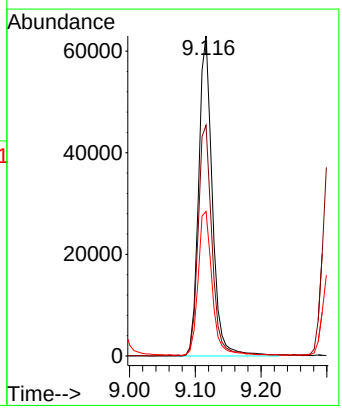


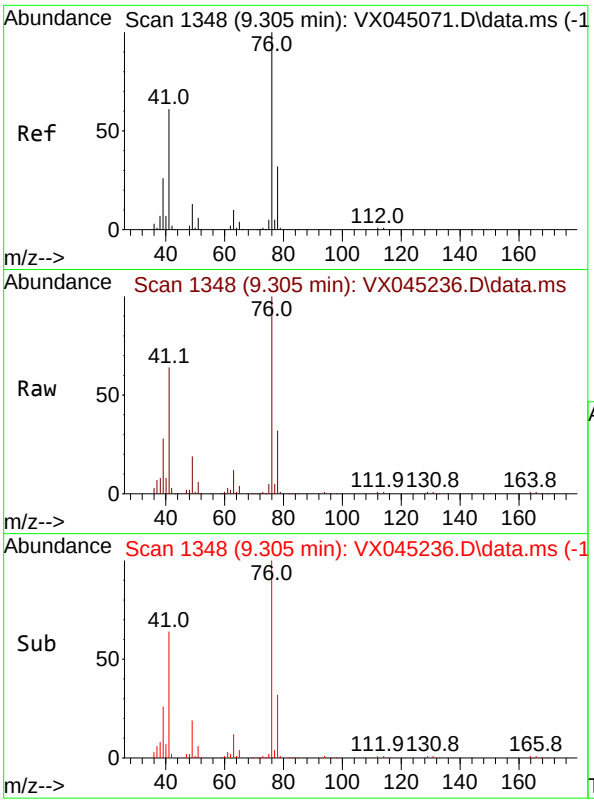


#56
Ethyl methacrylate
Concen: 52.366 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 69 Resp: 91220

Ion	Ratio	Lower	Upper
69	100		
41	73.8	57.0	85.4
39	46.4	34.2	51.4



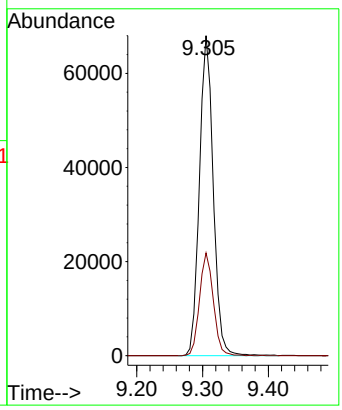


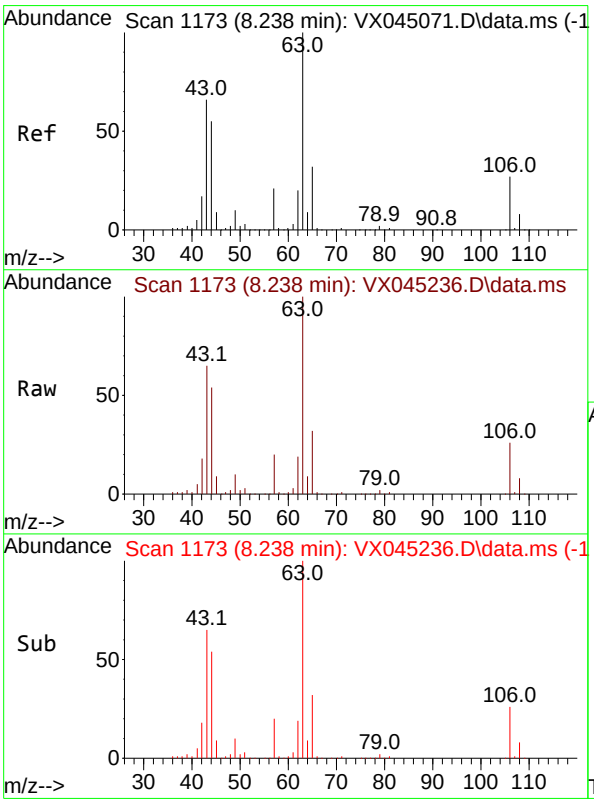
#57
1,3-Dichloropropane
Concen: 50.051 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 99262

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

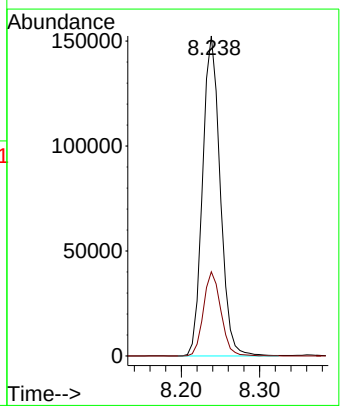


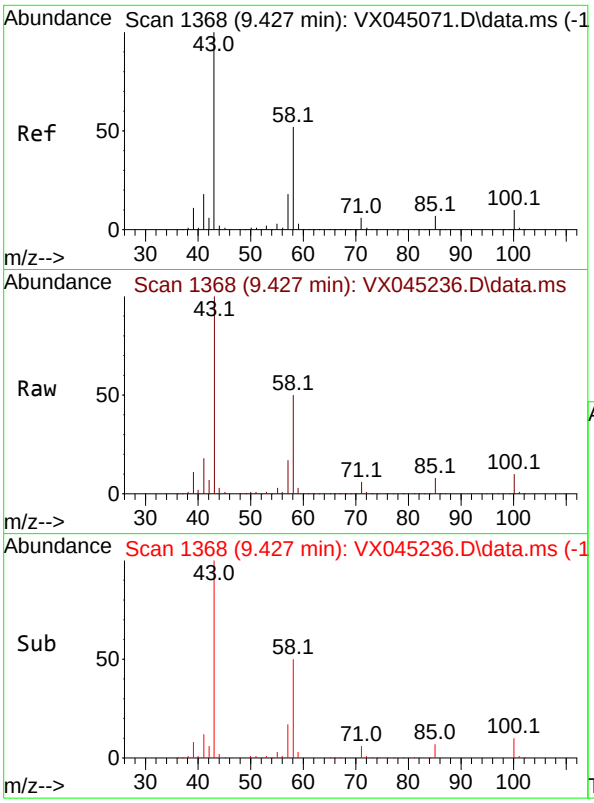


#58
2-Chloroethyl Vinyl ether
Concen: 279.825 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 63 Resp: 237779

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3



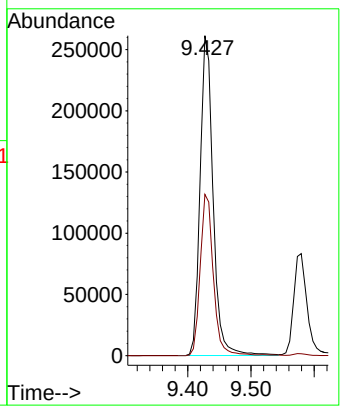


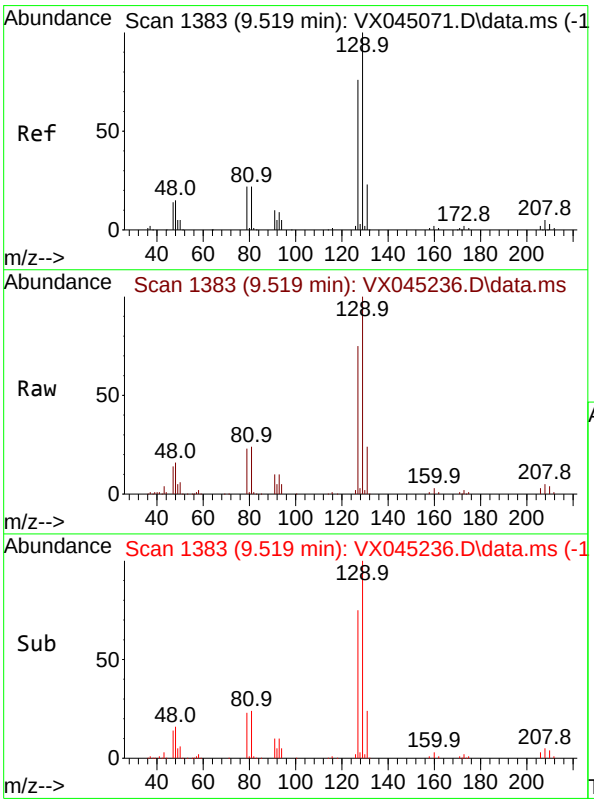
#59
2-Hexanone
Concen: 269.459 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 375289

Ion	Ratio	Lower	Upper
43	100		
58	50.8	25.9	77.6

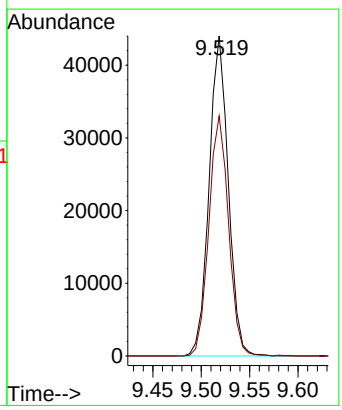


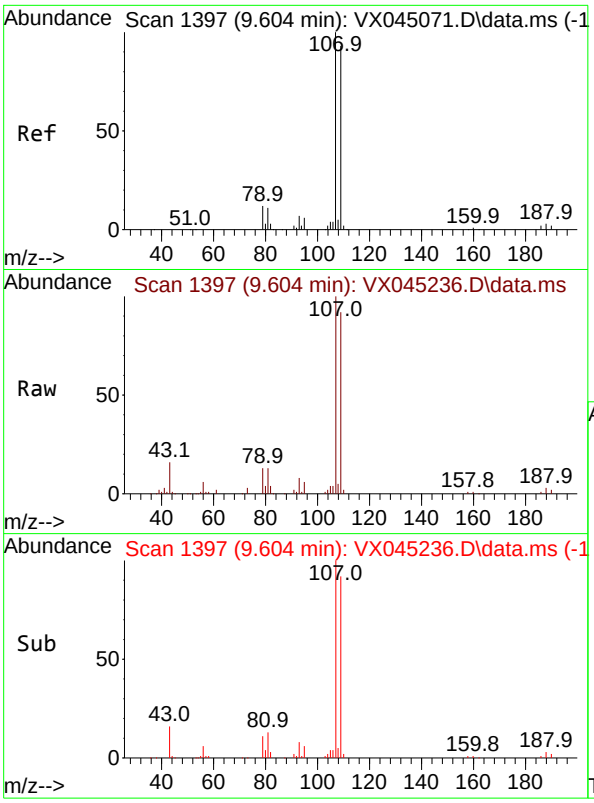


#60
Dibromochloromethane
Concen: 50.586 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:129 Resp: 60613

Ion	Ratio	Lower	Upper
129	100		
127	77.0	38.5	115.5



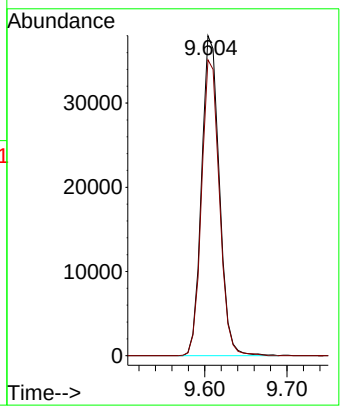


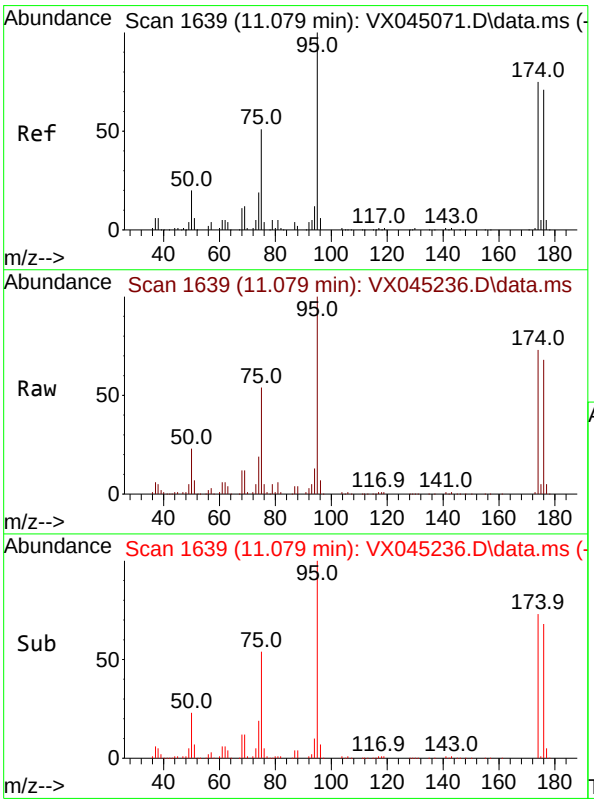
#61
1,2-Dibromoethane
Concen: 49.904 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 57091

Ion	Ratio	Lower	Upper
107	100		
109	92.8	76.1	114.1

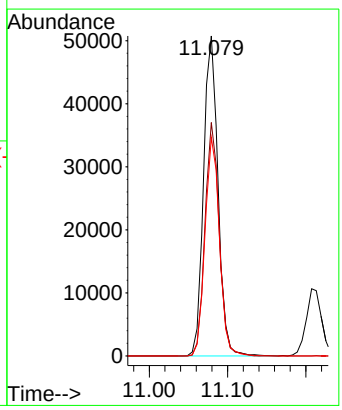


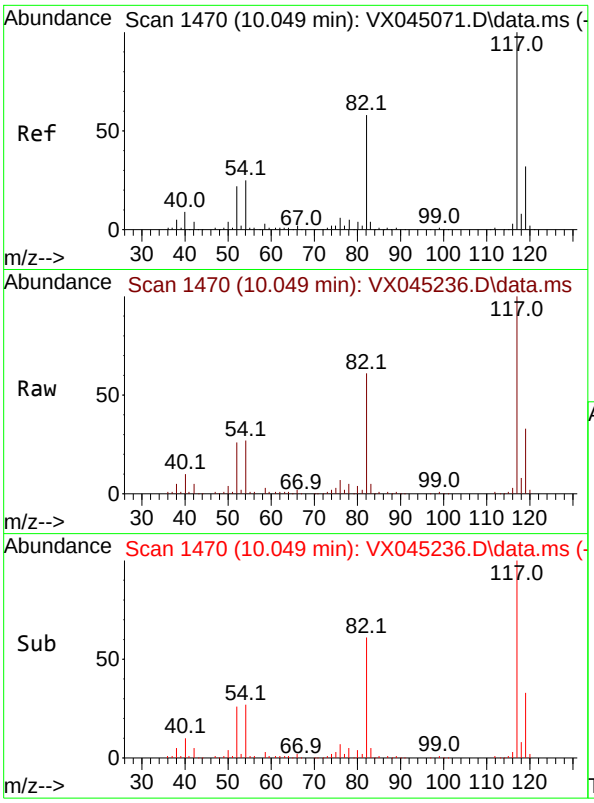


#62
4-Bromofluorobenzene
Concen: 49.251 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 95 Resp: 64822

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	148.2
176	68.2	0.0	141.4



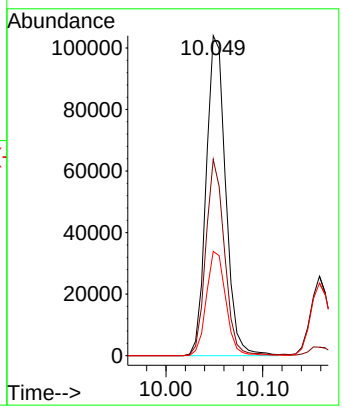


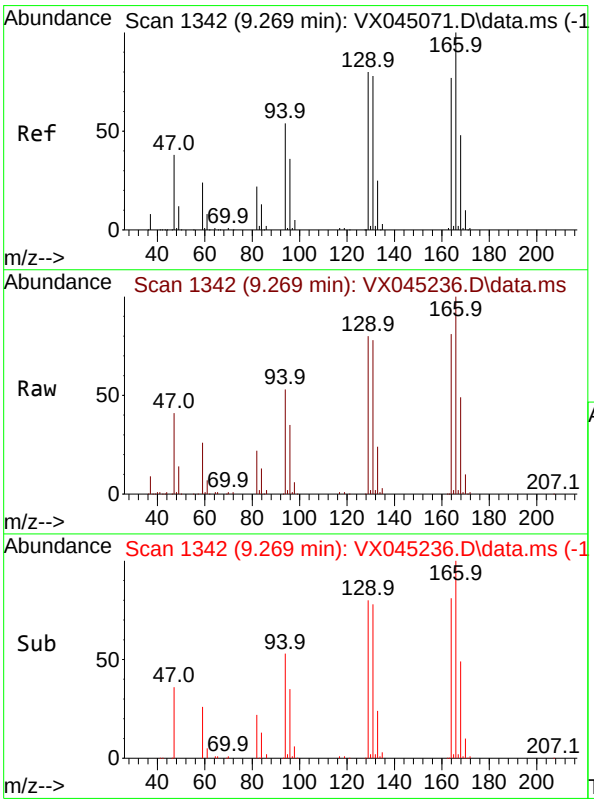
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 145456

Ion	Ratio	Lower	Upper
117	100		
82	61.4	46.3	69.5
119	32.6	25.7	38.5

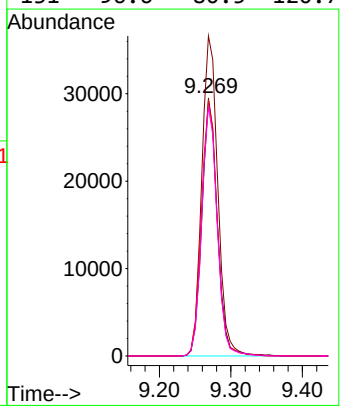


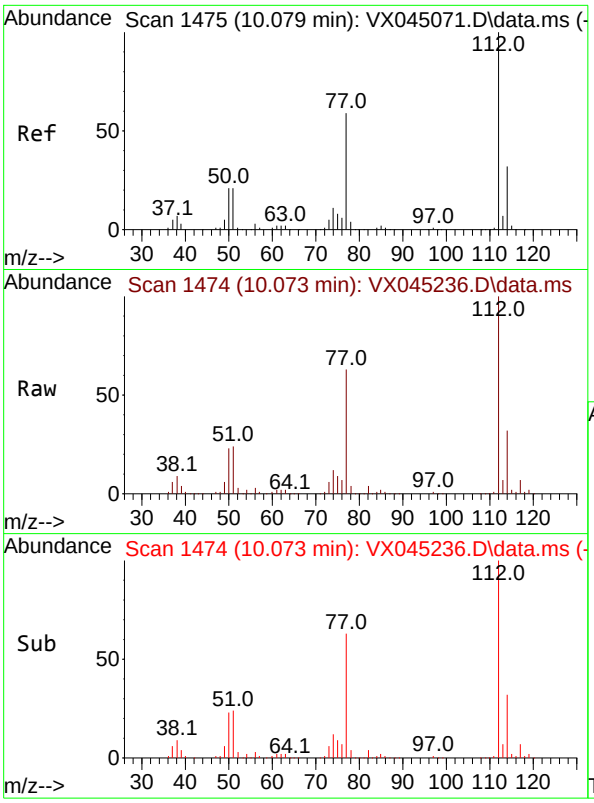


#64
Tetrachloroethene
Concen: 47.383 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:164 Resp: 44141

Ion	Ratio	Lower	Upper
164	100		
166	124.2	103.6	155.4
129	99.0	82.7	124.1
131	96.6	80.5	120.7



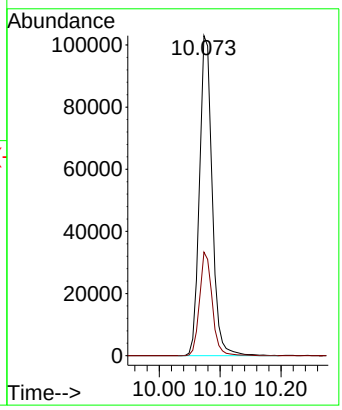


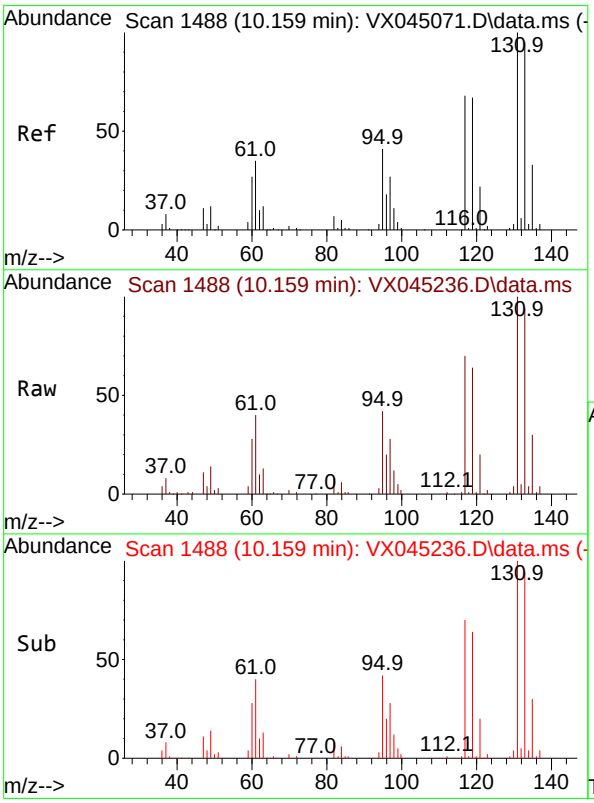
#65
Chlorobenzene
Concen: 48.585 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 149536

Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.0	39.0

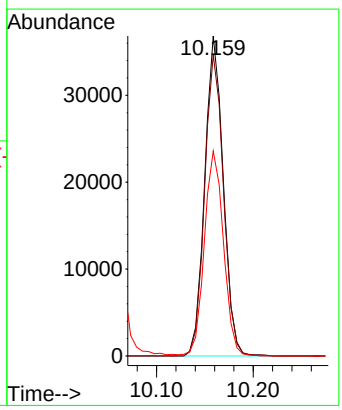


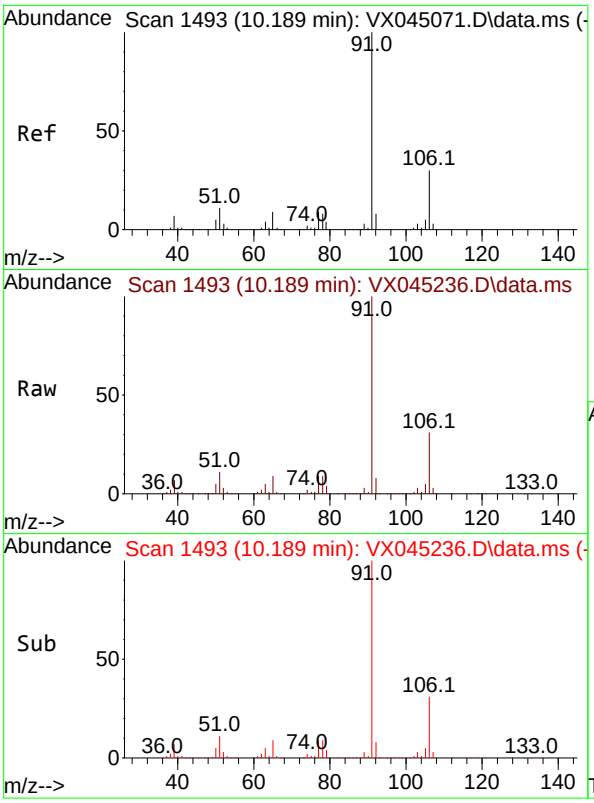


#66
1,1,1,2-Tetrachloroethane
Concen: 47.936 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:131 Resp: 49133

Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.6	145.9
119	66.2	33.9	101.7



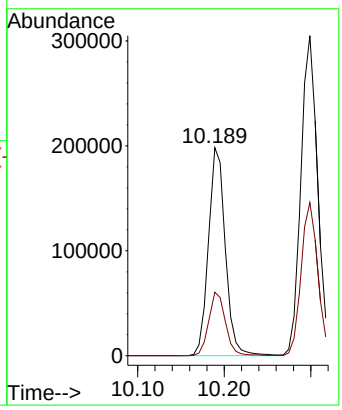


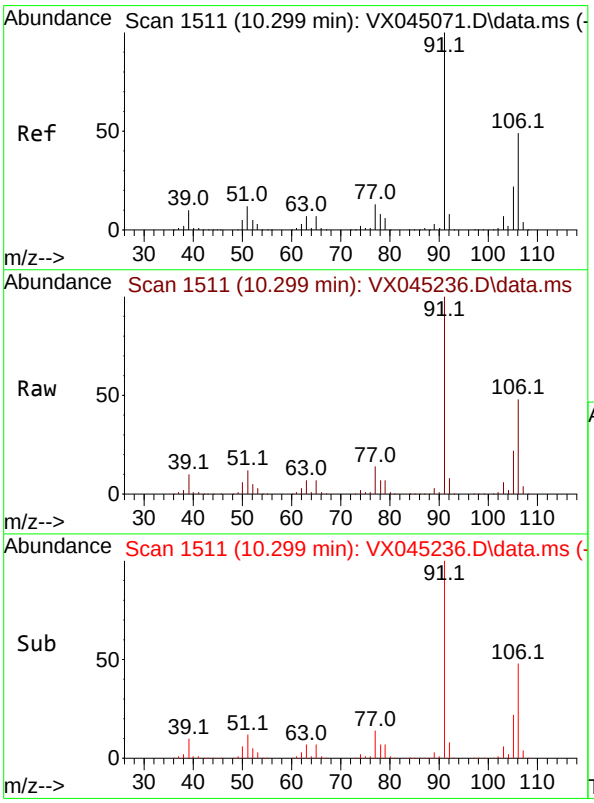
#67
Ethyl Benzene
Concen: 50.100 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 268680

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9

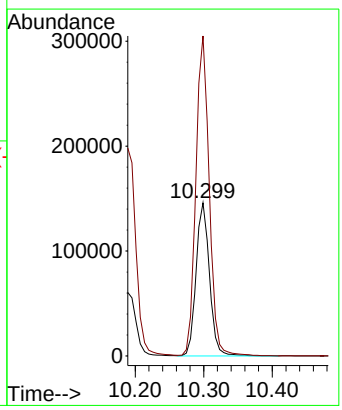


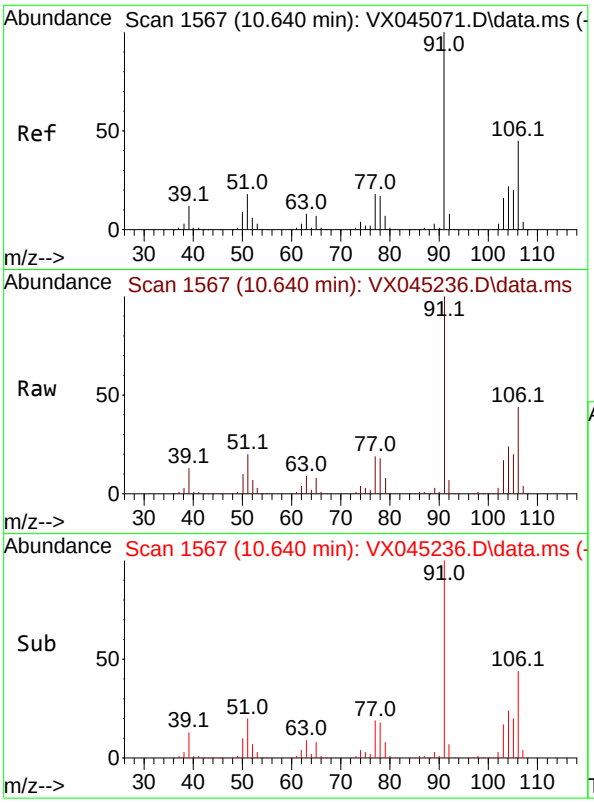


#68
m/p-Xylenes
Concen: 101.160 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:106 Resp: 198600

Ion	Ratio	Lower	Upper
106	100		
91	209.1	165.4	248.0



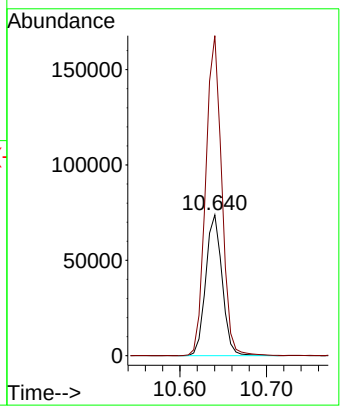


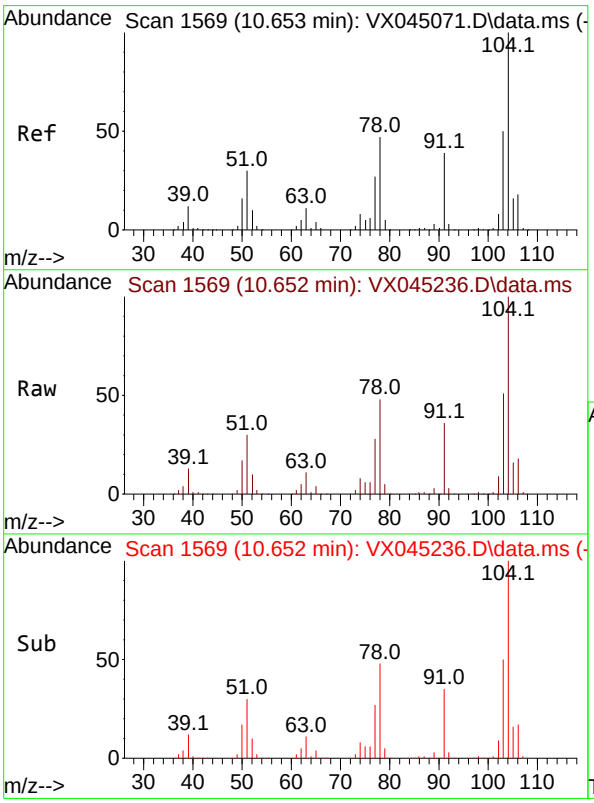
#69
o-Xylene
Concen: 49.018 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 97058

Ion	Ratio	Lower	Upper
106	100		
91	222.9	109.9	329.6

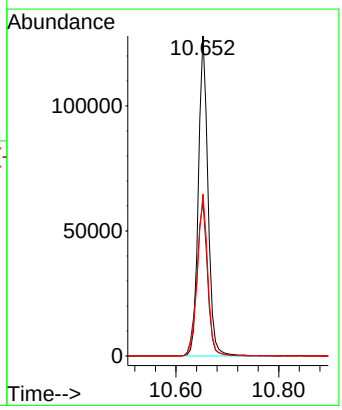


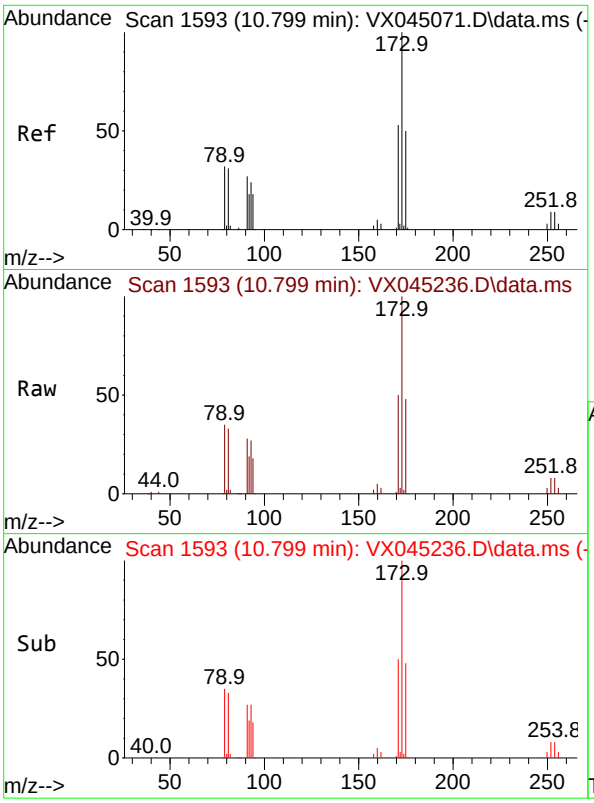


#70
Styrene
Concen: 51.703 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:104 Resp: 165647

Ion	Ratio	Lower	Upper
104	100		
78	53.8	42.2	63.4
103	54.6	43.8	65.8



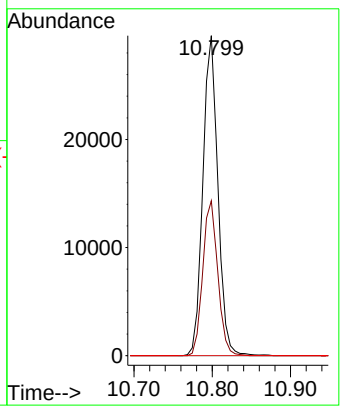


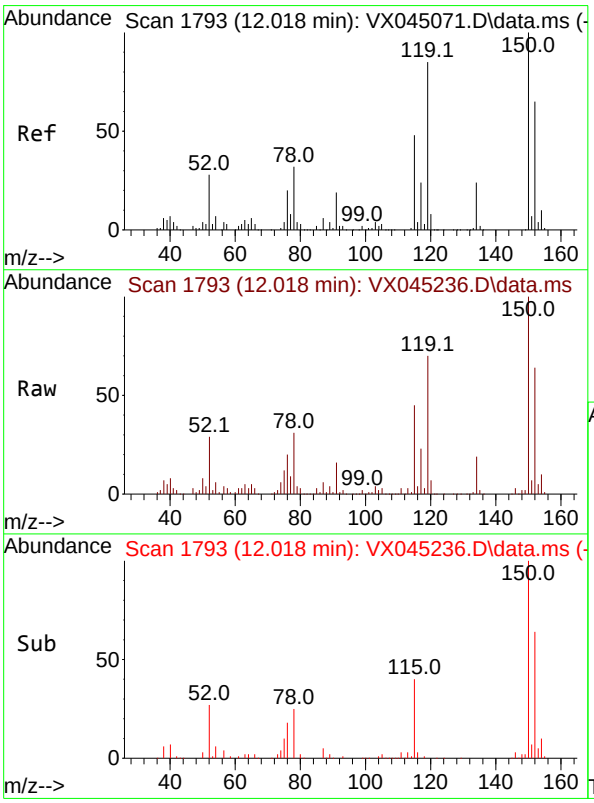
#71
Bromoform
Concen: 50.775 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 39245

Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	73.6
254	0.0	0.0	0.0

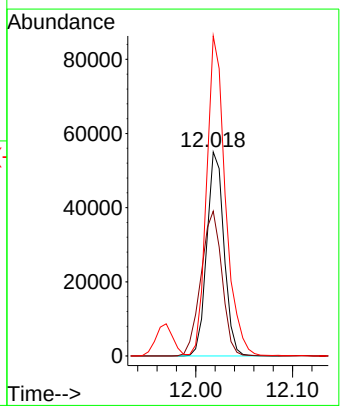


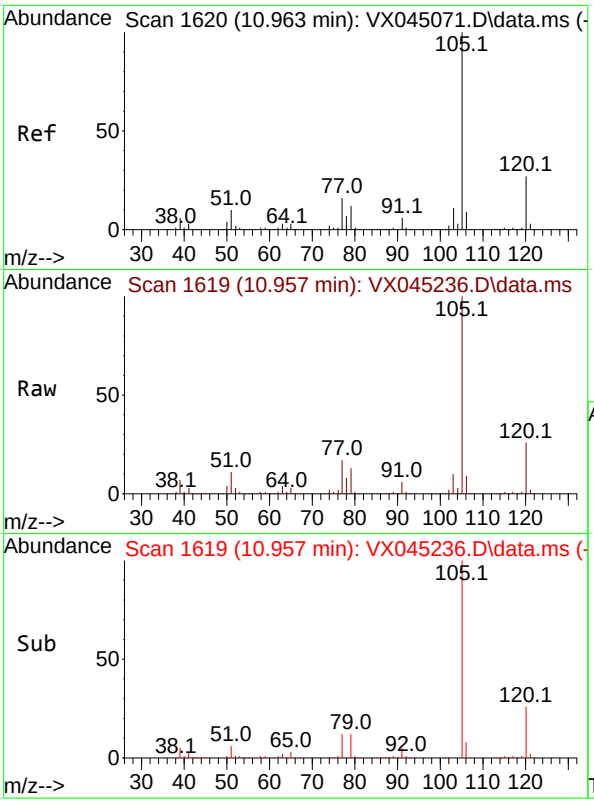


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:152 Resp: 68174

Ion	Ratio	Lower	Upper
152	100		
115	86.3	44.2	132.6
150	171.5	0.0	349.0



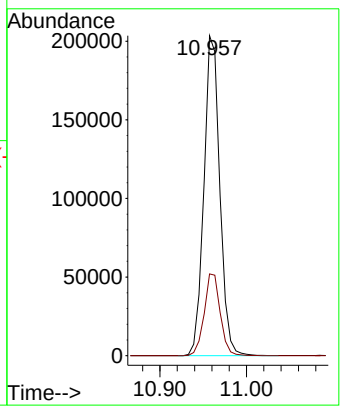


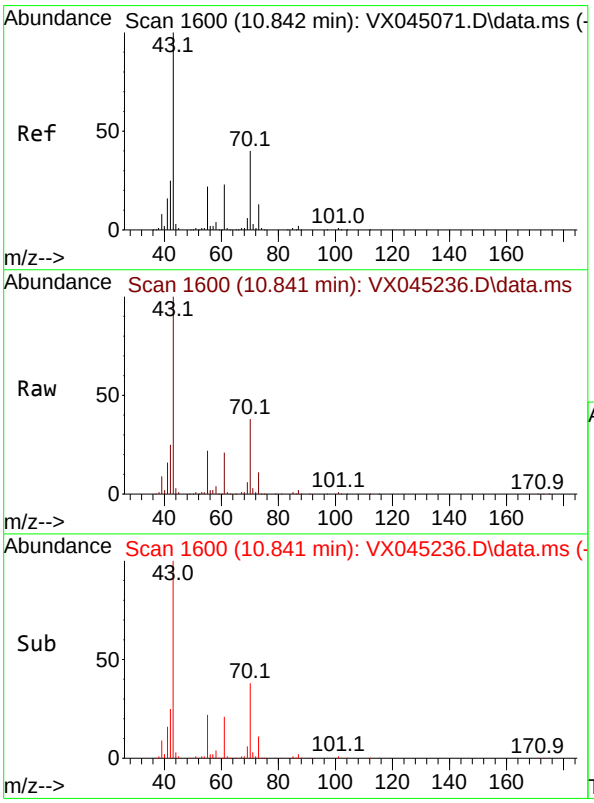
#73
Isopropylbenzene
Concen: 48.697 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 259125

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.2	39.5

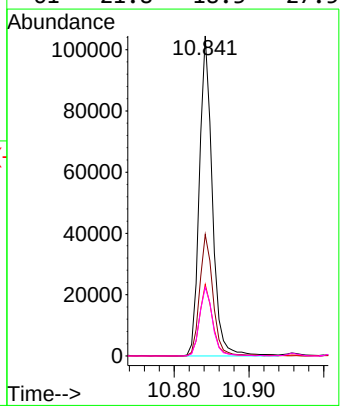


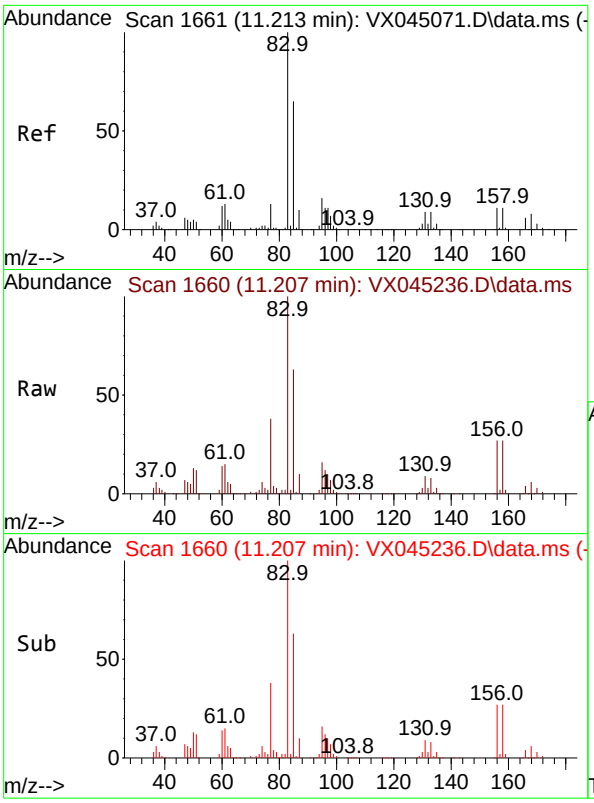


#74
N-amyl acetate
Concen: 50.273 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 43 Resp: 125524

Ion	Ratio	Lower	Upper
43	100		
70	38.8	31.8	47.6
55	22.5	18.3	27.5
61	21.8	18.3	27.5



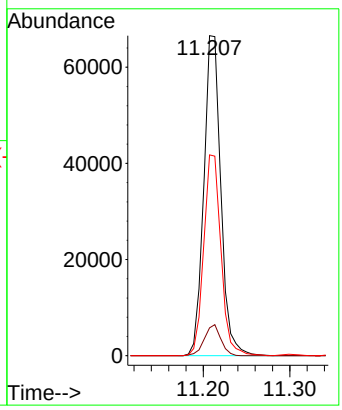


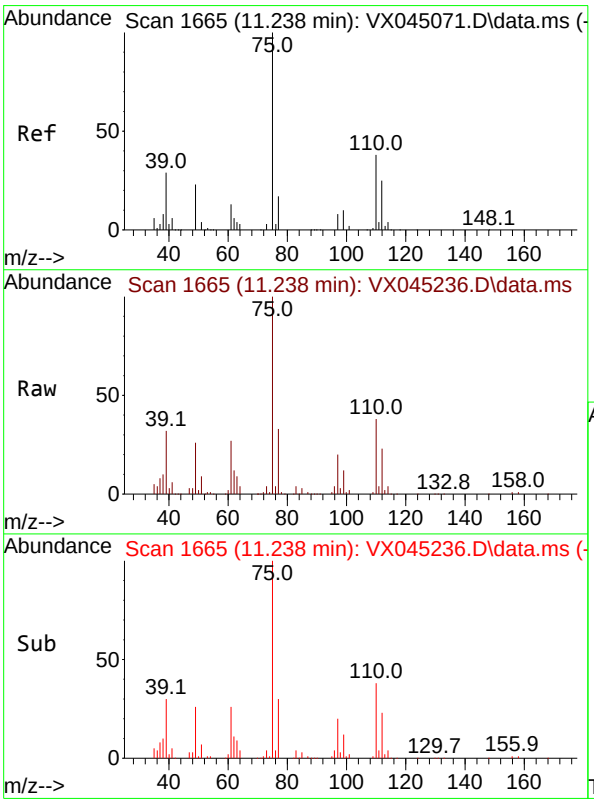
#75
1,1,2,2-Tetrachloroethane
Concen: 46.625 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 91044

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.5	13.4
85	63.3	31.7	95.1

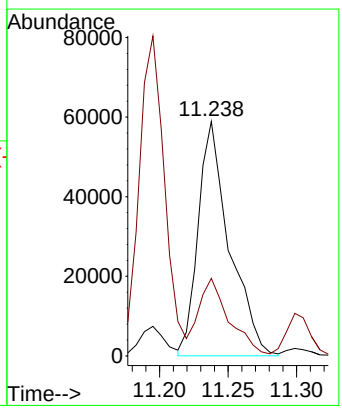


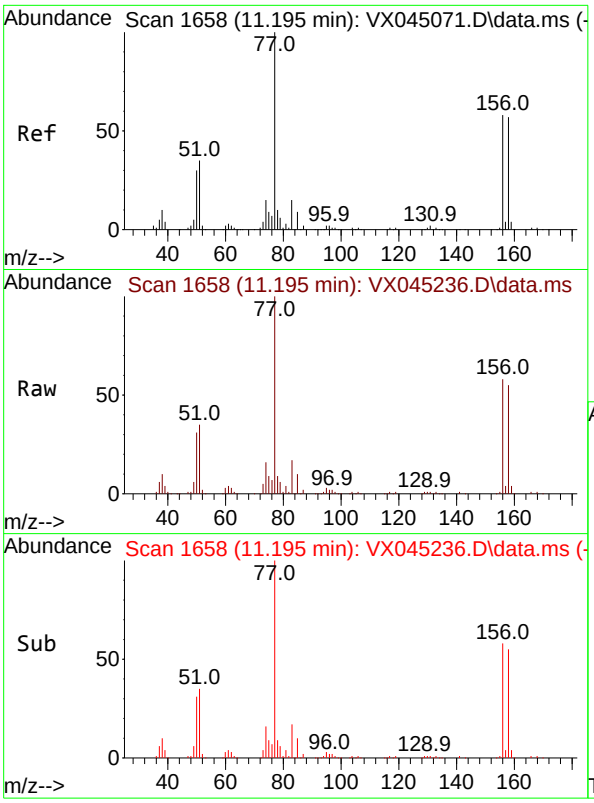


#76
1,2,3-Trichloropropane
Concen: 58.978 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 75 Resp: 93583

Ion	Ratio	Lower	Upper
75	100		
77	32.4	20.7	62.1



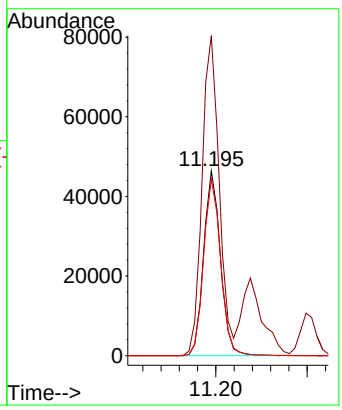


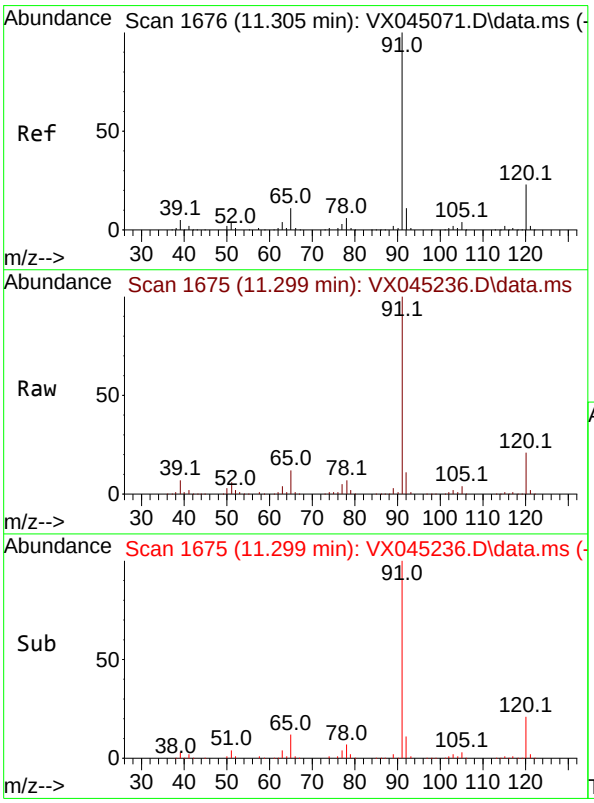
#77
Bromobenzene
Concen: 46.980 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 58983

Ion	Ratio	Lower	Upper
156	100		
77	177.0	85.8	257.4
158	97.4	48.4	145.2

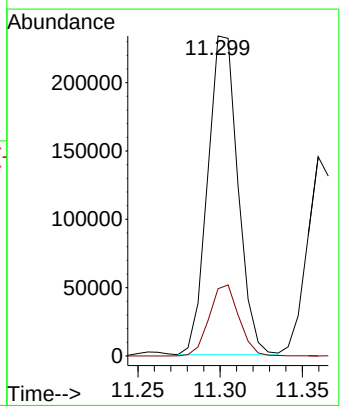


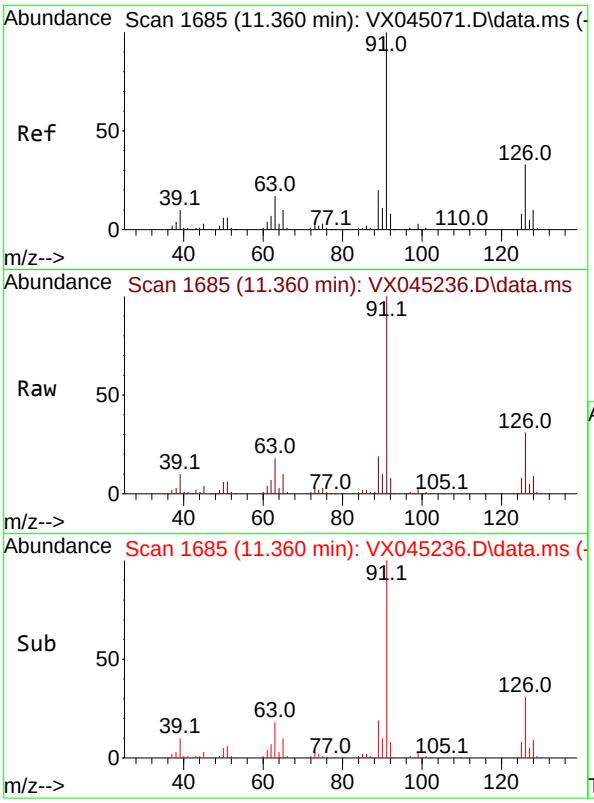


#78
n-propylbenzene
Concen: 49.745 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 91 Resp: 299014

Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.2	33.6



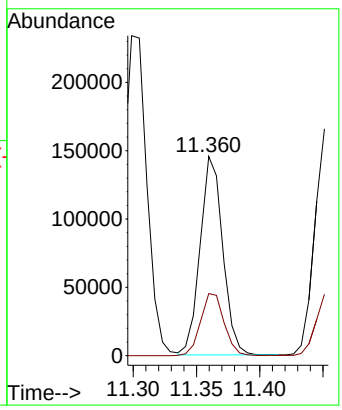


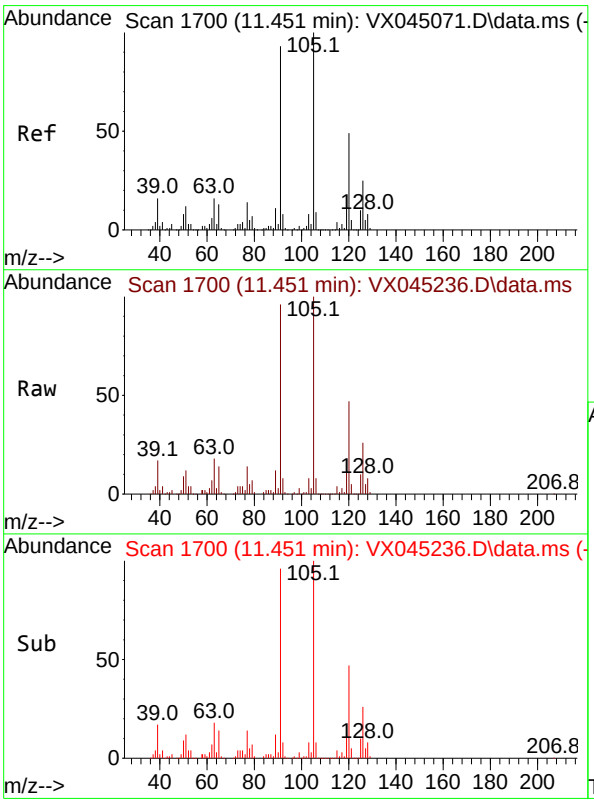
#79
2-Chlorotoluene
Concen: 47.340 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 181227

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4

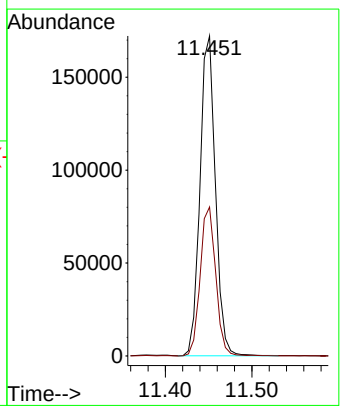


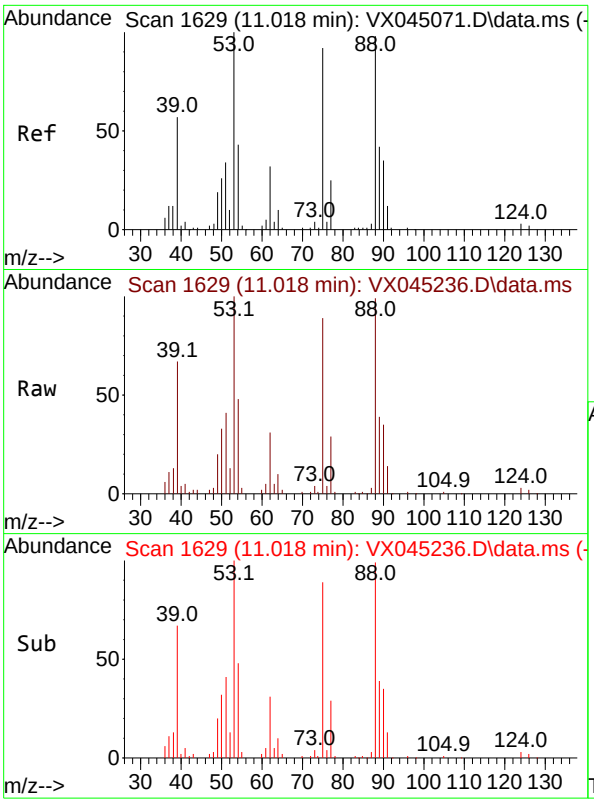


#80
1,3,5-Trimethylbenzene
Concen: 49.457 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:105 Resp: 212792

Ion	Ratio	Lower	Upper
105	100		
120	47.2	24.1	72.2



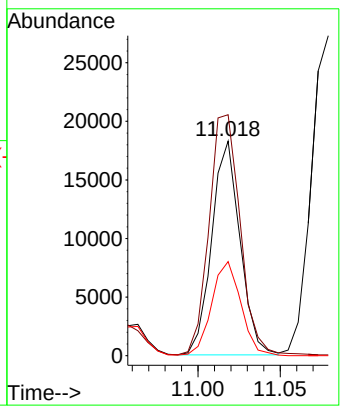


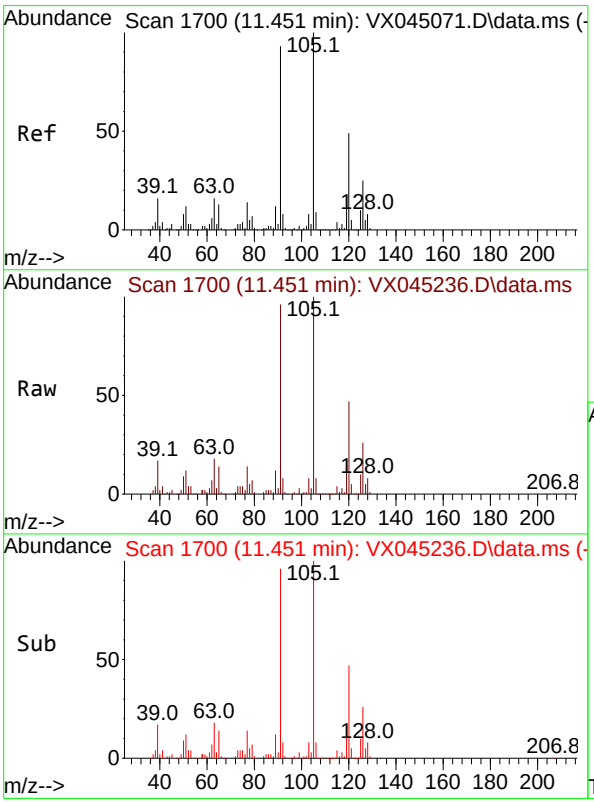
#81
trans-1,4-Dichloro-2-butene
Concen: 47.228 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 21898

Ion	Ratio	Lower	Upper
75	100		
53	125.0	88.5	132.7
89	45.5	36.2	54.4

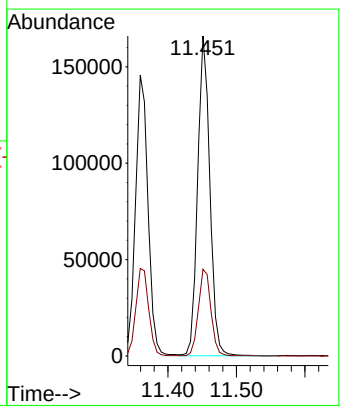


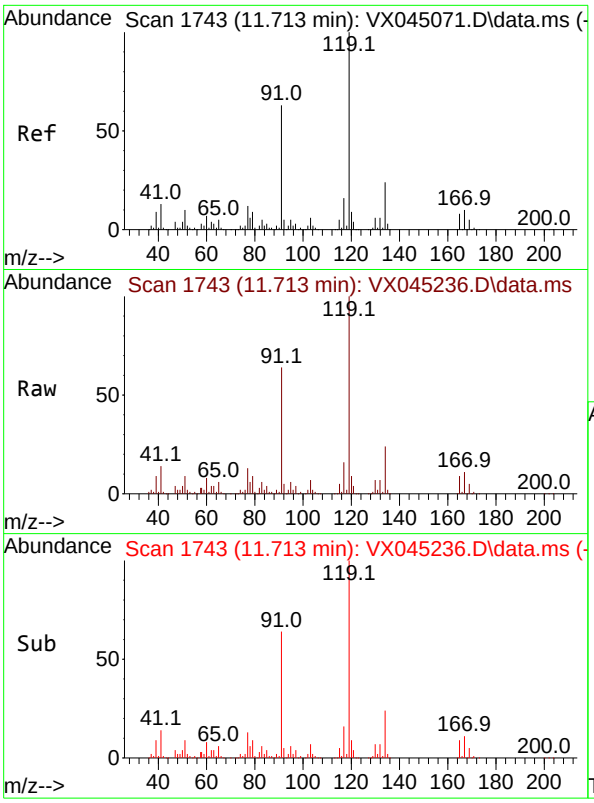


#82
4-Chlorotoluene
Concen: 49.191 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 91 Resp: 205234

Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.1	42.4



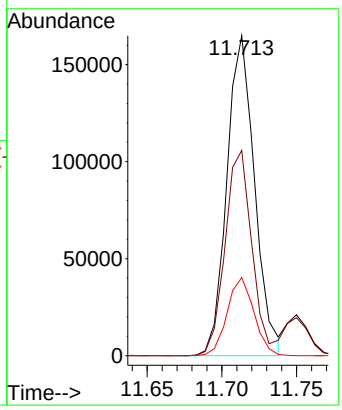


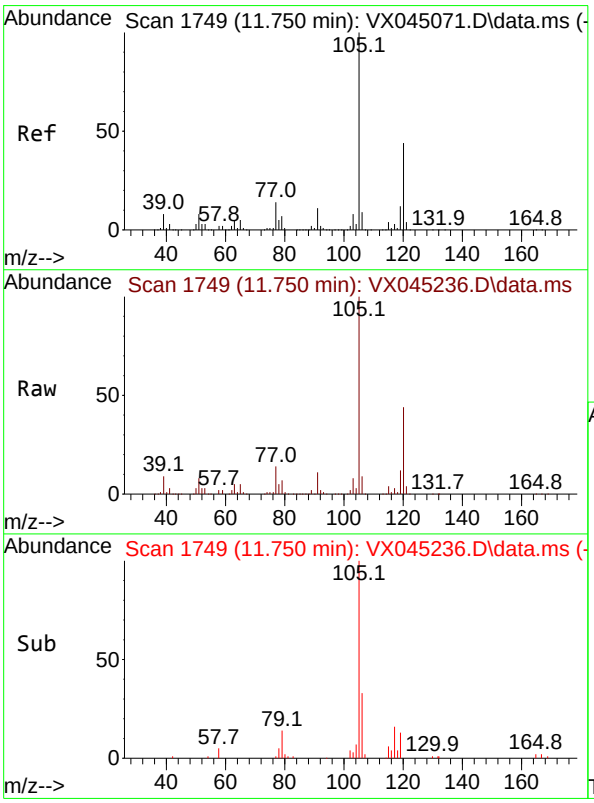
#83
tert-Butylbenzene
Concen: 48.200 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 213082

Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.7	92.1
134	23.5	11.7	35.0

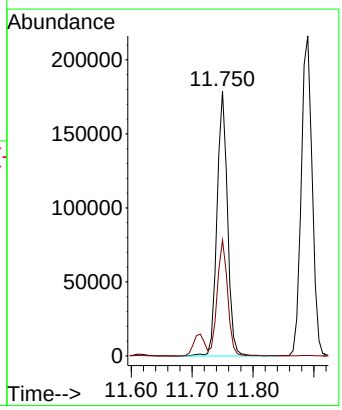


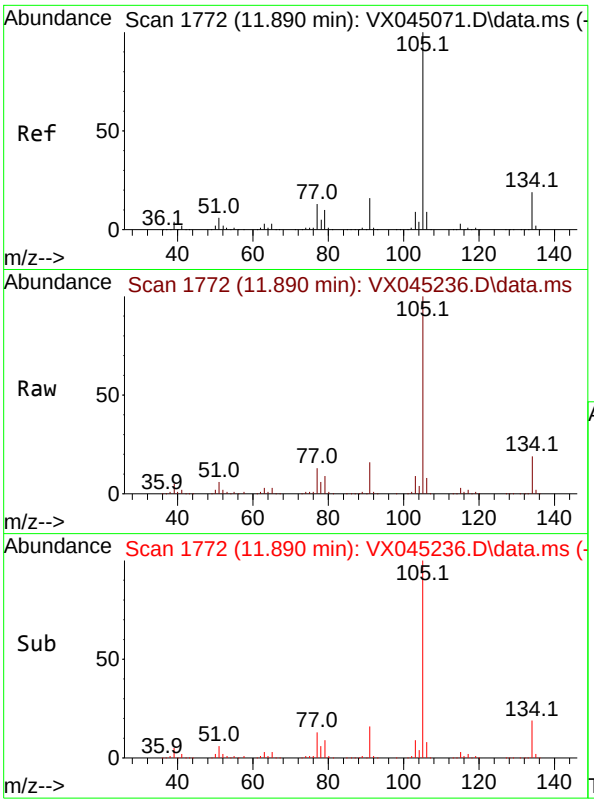


#84
1,2,4-Trimethylbenzene
Concen: 49.489 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:105 Resp: 214250

Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.1	66.1



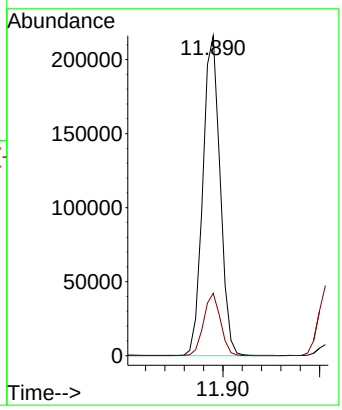


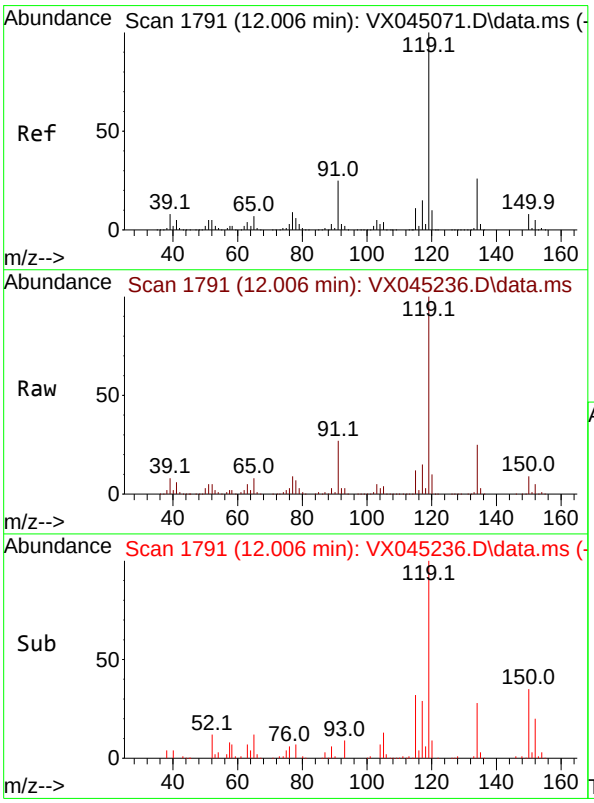
#85
sec-Butylbenzene
Concen: 50.727 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 268624

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.8	29.4

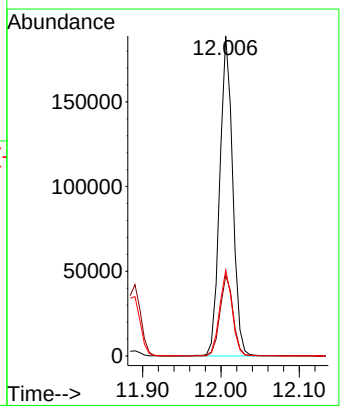


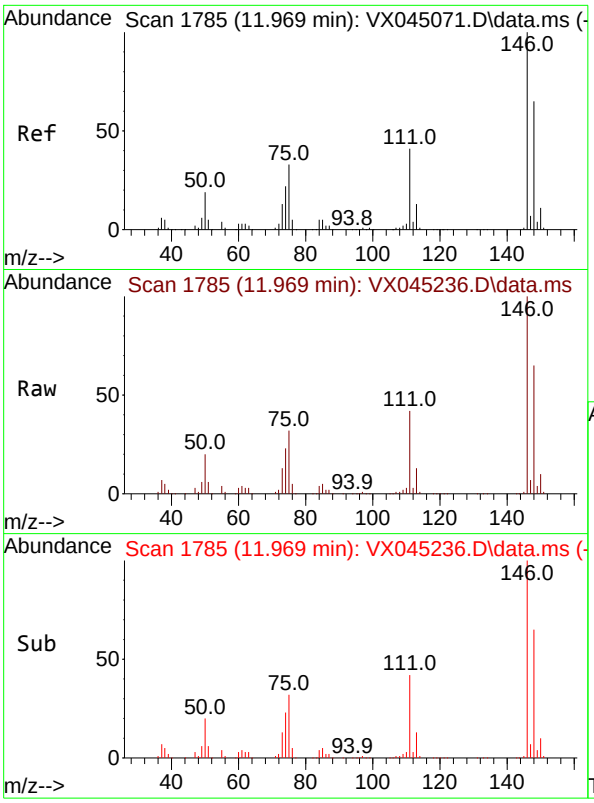


#86
p-Isopropyltoluene
Concen: 50.842 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:119 Resp: 217580

Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.6
91	26.3	12.7	38.0



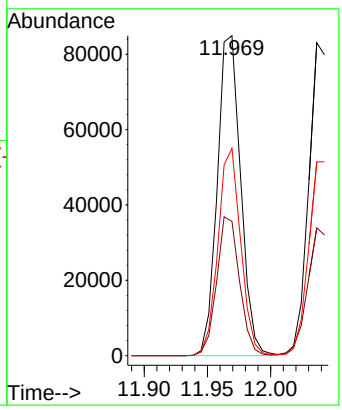


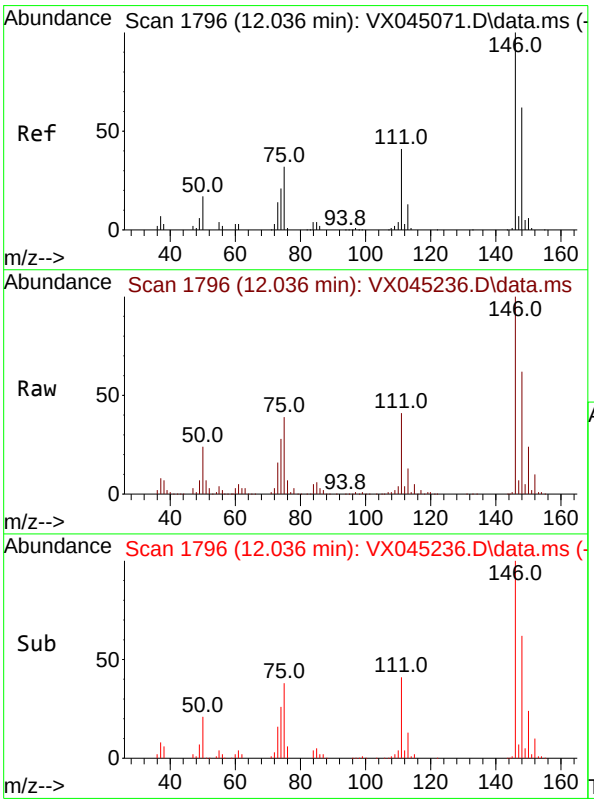
#87
1,3-Dichlorobenzene
Concen: 48.804 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 109308

Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.1	63.4
148	63.0	31.9	95.7

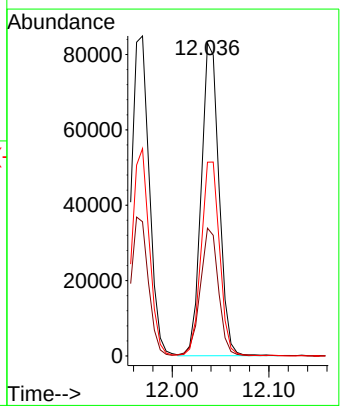


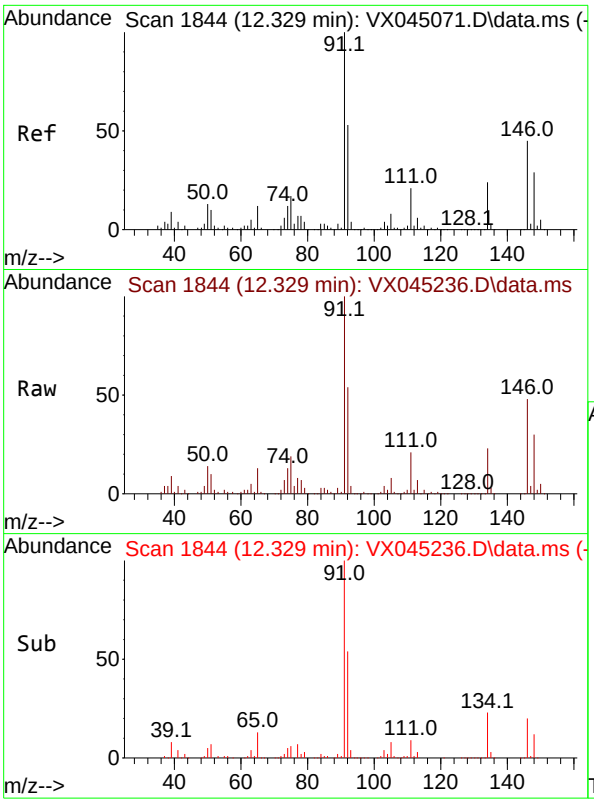


#88
1,4-Dichlorobenzene
Concen: 46.916 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:146 Resp: 106308

Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.2	60.5
148	64.1	31.9	95.9



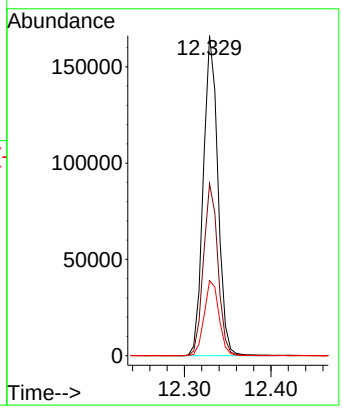


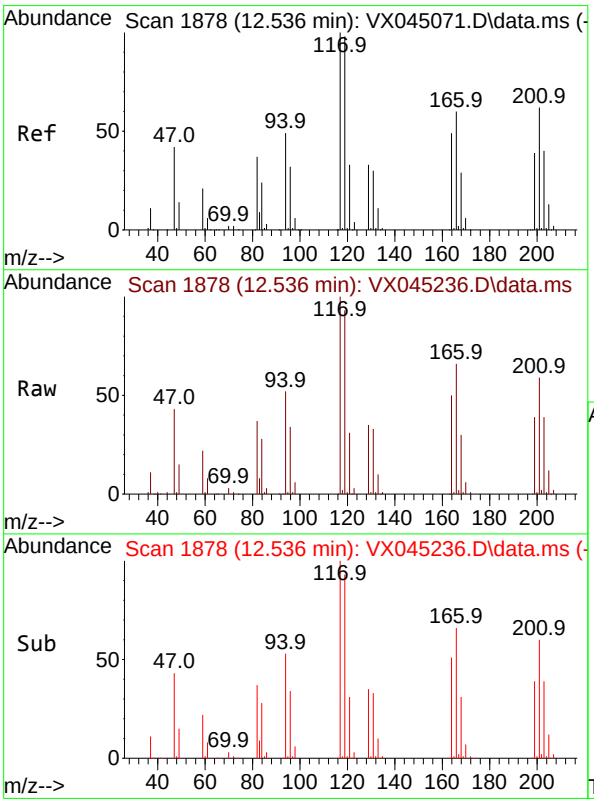
#89
n-Butylbenzene
Concen: 52.732 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 194364

Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.7	80.0
134	23.8	12.2	36.6

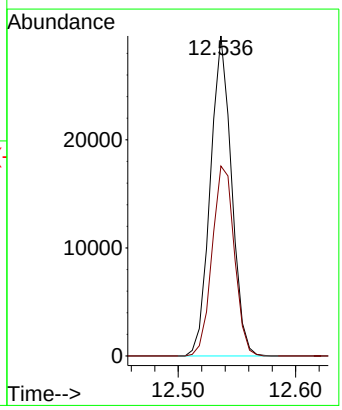


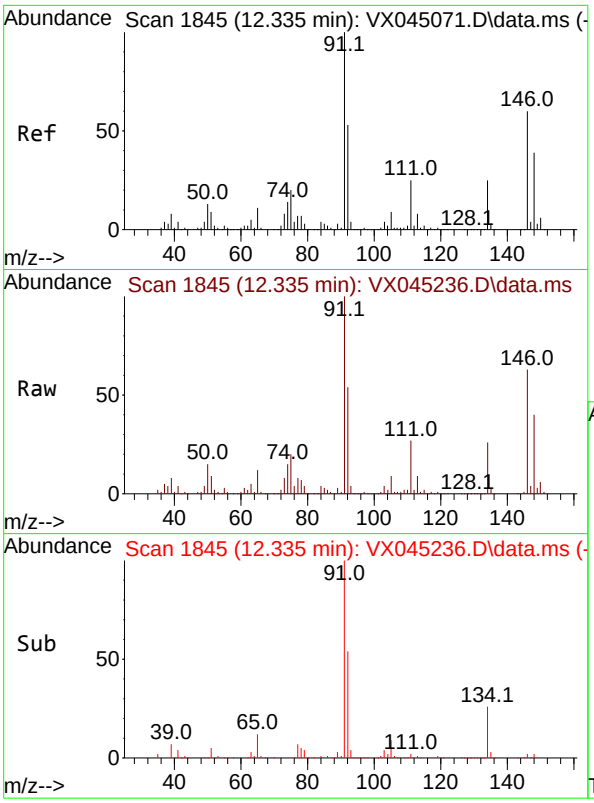


#90
Hexachloroethane
Concen: 47.931 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:117 Resp: 37102

Ion	Ratio	Lower	Upper
117	100		
201	62.3	31.9	95.9



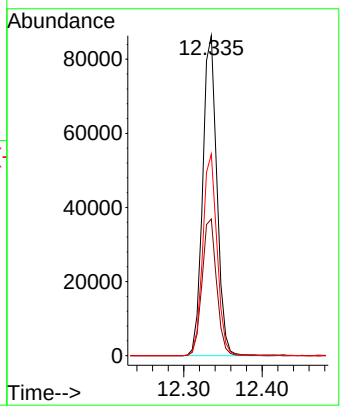


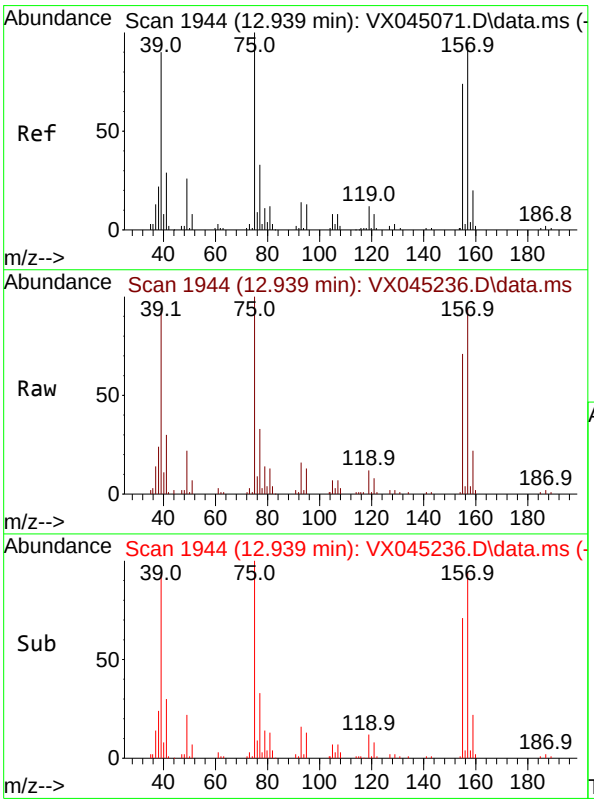
#91
1,2-Dichlorobenzene
Concen: 48.396 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 108734

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	65.0
148	63.2	31.9	95.9

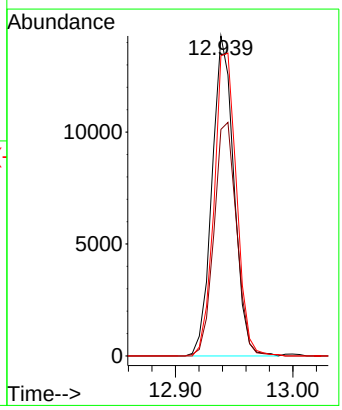


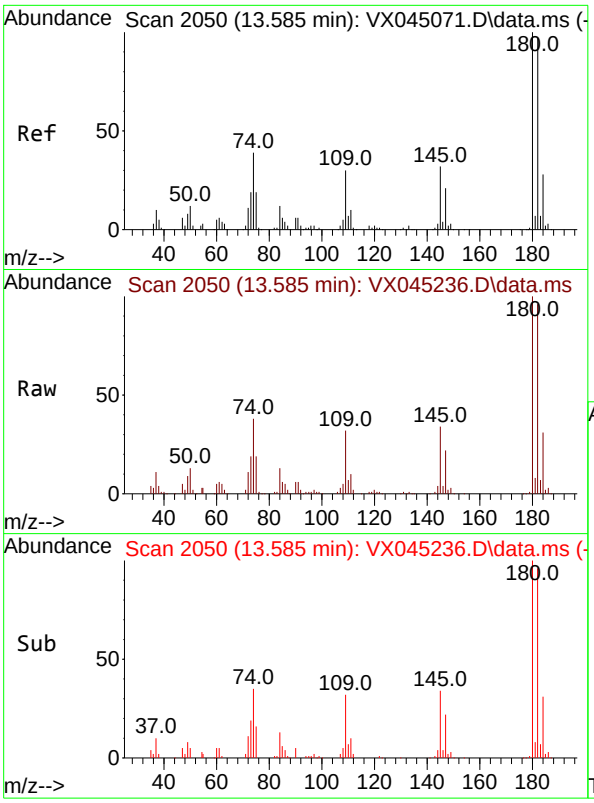


#92
1,2-Dibromo-3-Chloropropane
Concen: 48.649 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion: 75 Resp: 18507

Ion	Ratio	Lower	Upper
75	100		
155	75.5	39.6	118.7
157	97.1	51.1	153.4



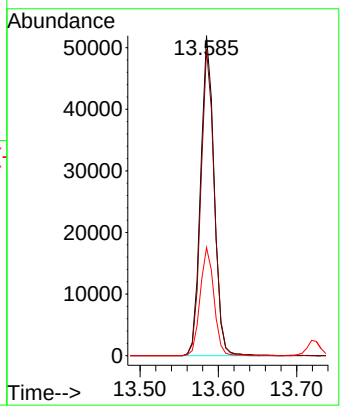


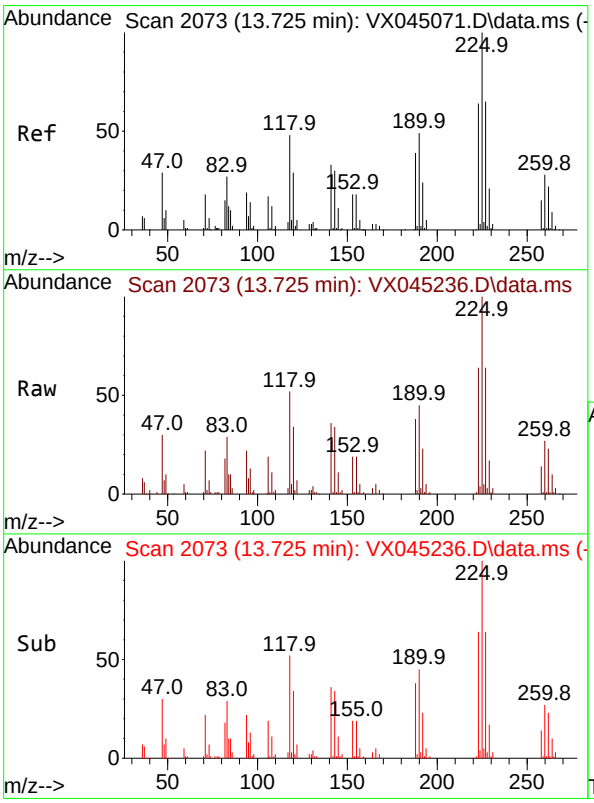
#93
1,2,4-Trichlorobenzene
Concen: 48.452 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 61986

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	141.9
145	34.5	16.3	48.9

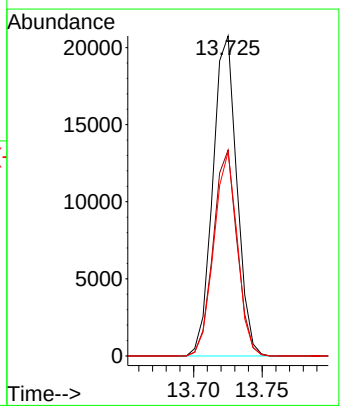


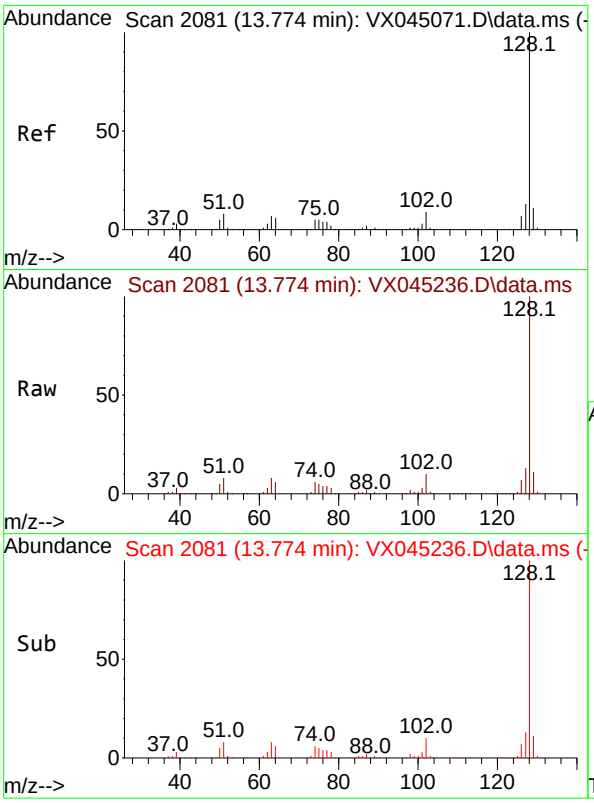


#94
Hexachlorobutadiene
Concen: 48.218 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:225 Resp: 25290

Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.9	95.7
227	62.2	31.4	94.0



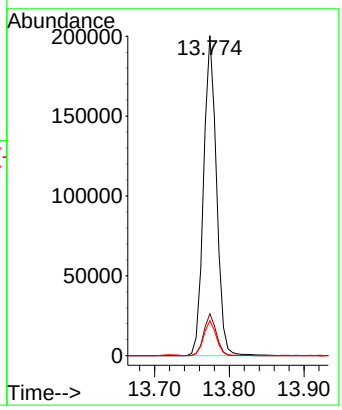


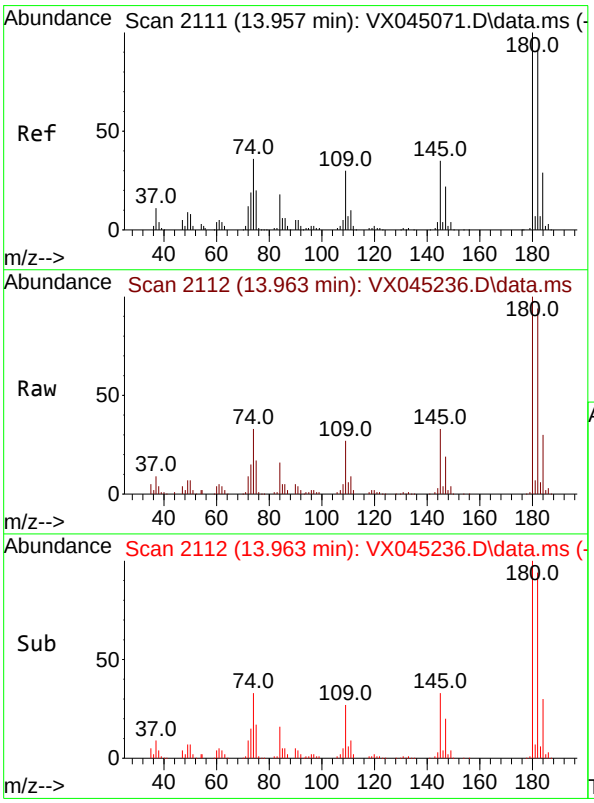
#95
Naphthalene
Concen: 48.828 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 240005

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: 48.282 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045236.D
Acq: 11 Mar 2025 19:49

Tgt Ion:180 Resp: 65162

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.5	142.6
145	34.7	17.0	50.9

