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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : NWIRP BETHPAGE 112G08005-WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : Q2082

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2082

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q2082-01	BP-VPB-182-TB-20250515
Q2082-02	BP-VPB-182-GW-260-262
Q2082-03	BP-VPB-182-GW-280-282
Q2082-04	BP-VPB-182-GW-300-302
Q2082-05	BP-VPB-182-GW-320-322
Q2082-06	BP-VPB-182-GW-340-342
Q2082-07	BP-VPB-182-GW-360-362
Q2082-08	BP-VPB-182-GW-390-392
Q2082-09	BP-VPB-182-GW-400-402
Q2082-10	BP-VPB-182-GW-400-402MS
Q2082-11	BP-VPB-182-GW-400-402MSD
Q2082-12	VPB182-HYD-20250516

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: 5/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager # Ernie Wu
Order ID # Q2082
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
12 Water samples were received on 05/19/2025.

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 MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD met criteria.
The Blank Spike 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.

E. Additional Comments:
The not QT review data is reported in the Miscellaneous.

The laboratory certifies that the all-electronic diskette deliverable exactly match the data Summary forms (i.e. Form Is)."

VIAL A and B combined to run sample # 04 as both having much sediment and not possible to run separately.

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

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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

ORDER ID: Q2082 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 MS recoveries met the requirements for all compounds. The MSD recoveries met the acceptable requirements.			✓
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:

The not QT review data is reported in the Miscellaneous.

VIAL A and B combined to run sample # 04 as both having much sediment and not possible to run separately.

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

NA NO YES

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

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 #: Q2082

	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:** 05/30/2025

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LAB CHRONICLE

OrderID:	Q2082	**OrderDate:**	5/19/2025 4:13:00 PM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2082-01	**BP-VPB-182-TB-20250515**	**Water**			**05/15/25**			**05/19/25**
			VOCMS Group1	8260-Low			05/21/25	
Q2082-02	**BP-VPB-182-GW-260-262**	**Water**			**05/15/25**			**05/19/25**
			VOCMS Group1	8260-Low			05/21/25	
Q2082-03	**BP-VPB-182-GW-280-282**	**Water**			**05/15/25**			**05/19/25**
			VOCMS Group1	8260-Low			05/21/25	
Q2082-04	**BP-VPB-182-GW-300-302**	**Water**			**05/15/25**			**05/19/25**
			VOCMS Group1	8260-Low			05/21/25	
Q2082-05	**BP-VPB-182-GW-320-322**	**Water**			**05/16/25**			**05/19/25**
			VOCMS Group1	8260-Low			05/21/25	
Q2082-07	**BP-VPB-182-GW-360-362**	**Water**			**05/16/25**			**05/19/25**
			VOCMS Group1	8260-Low			05/21/25	
Q2082-08	**BP-VPB-182-GW-390-392**	**Water**			**05/19/25**			**05/19/25**
			VOCMS Group1	8260-Low			05/21/25	
Q2082-09	**BP-VPB-182-GW-400-402**	**Water**			**05/19/25**			**05/19/25**
			VOCMS Group1	8260-Low			05/21/25	
Q2082-12	**VPB182-HYD-20250516**	**Water**			**05/16/25**			**05/19/25**
			VOCMS Group1	8260-Low			05/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2082

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**BP-VPB-182-GW-260-262**								
Q2082-02	BP-VPB-182-GW-2	Water	Acetone	4.50	J	1.50	3.80	5.00	ug/L
			Total Voc :	4.50					
			Total Concentration:	4.50					
Client ID:	**BP-VPB-182-GW-280-282**								
Q2082-03	BP-VPB-182-GW-2	Water	Chloromethane	0.86	J	0.32	0.50	1.00	ug/L
Q2082-03	BP-VPB-182-GW-2	Water	Acetone	5.90		1.50	3.80	5.00	ug/L
Q2082-03	BP-VPB-182-GW-2	Water	Carbon Disulfide	0.80	J	0.21	0.75	1.00	ug/L
			Total Voc :	7.56					
			Total Concentration:	7.56					
Client ID:	**BP-VPB-182-GW-300-302**								
Q2082-04	BP-VPB-182-GW-3	Water	Acetone	7.70		1.50	3.80	5.00	ug/L
			Total Voc :	7.70					
			Total Concentration:	7.70					
Client ID:	**BP-VPB-182-GW-320-322**								
Q2082-05	BP-VPB-182-GW-3	Water	Acetone	6.40		1.50	3.80	5.00	ug/L
			Total Voc :	6.40					
			Total Concentration:	6.40					
Client ID:	**BP-VPB-182-GW-360-362**								
Q2082-07	BP-VPB-182-GW-3	Water	Acetone	2.60	J	1.50	3.80	5.00	ug/L
			Total Voc :	2.60					
			Total Concentration:	2.60					
Client ID:	**BP-VPB-182-GW-390-392**								
Q2082-08	BP-VPB-182-GW-3	Water	Acetone	2.50	J	1.50	3.80	5.00	ug/L
Q2082-08	BP-VPB-182-GW-3	Water	Carbon Disulfide	0.49	J	0.21	0.75	1.00	ug/L
			Total Voc :	2.99					
			Total Concentration:	2.99					
Client ID:	**BP-VPB-182-GW-400-402**								
Q2082-09	BP-VPB-182-GW-4	Water	Acetone	2.70	J	1.50	3.80	5.00	ug/L
			Total Voc :	2.70					
			Total Concentration:	2.70					
Client ID:	**VPB182-HYD-20250516**								
Q2082-12	VPB182-HYD-2025	Water	Acetone	3.60	J	1.50	3.80	5.00	ug/L
Q2082-12	VPB182-HYD-2025	Water	Bromodichloromethane	0.62	J	0.22	0.50	1.00	ug/L
Q2082-12	VPB182-HYD-2025	Water	Dibromochloromethane	1.20		0.18	0.50	1.00	ug/L
			Total Voc :	5.42					
			Total Concentration:	5.42					

QC SUMMARY

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Surrogate Summary

SDG No.: Q2082

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2082-01	BP-VPB-182-TB-20250515	1,2-Dichloroethane-d4	50	51.5	103	81	118
		Dibromofluoromethane	50	50.0	100	80	119
		Toluene-d8	50	50.7	101	89	112
		4-Bromofluorobenzene	50	52.3	105	85	114
Q2082-02	BP-VPB-182-GW-260-262	1,2-Dichloroethane-d4	50	53.6	107	81	118
		Dibromofluoromethane	50	50.2	100	80	119
		Toluene-d8	50	50.5	101	89	112
		4-Bromofluorobenzene	50	50.5	101	85	114
Q2082-03	BP-VPB-182-GW-280-282	1,2-Dichloroethane-d4	50	52.4	105	81	118
		Dibromofluoromethane	50	50.1	100	80	119
		Toluene-d8	50	49.4	99	89	112
		4-Bromofluorobenzene	50	48.3	96	85	114
Q2082-04	BP-VPB-182-GW-300-302	1,2-Dichloroethane-d4	50	52.7	105	81	118
		Dibromofluoromethane	50	50.1	100	80	119
		Toluene-d8	50	50.4	101	89	112
		4-Bromofluorobenzene	50	51.0	102	85	114
Q2082-05	BP-VPB-182-GW-320-322	1,2-Dichloroethane-d4	50	53.3	107	81	118
		Dibromofluoromethane	50	51.0	102	80	119
		Toluene-d8	50	51.0	102	89	112
		4-Bromofluorobenzene	50	50.1	100	85	114
Q2082-07	BP-VPB-182-GW-360-362	1,2-Dichloroethane-d4	50	53.2	106	81	118
		Dibromofluoromethane	50	50.0	100	80	119
		Toluene-d8	50	49.3	99	89	112
		4-Bromofluorobenzene	50	49.0	98	85	114
Q2082-08	BP-VPB-182-GW-390-392	1,2-Dichloroethane-d4	50	54.1	108	81	118
		Dibromofluoromethane	50	50.9	102	80	119
		Toluene-d8	50	50.8	102	89	112
		4-Bromofluorobenzene	50	51.6	103	85	114
Q2082-09	BP-VPB-182-GW-400-402	1,2-Dichloroethane-d4	50	53.6	107	81	118
		Dibromofluoromethane	50	50.5	101	80	119
		Toluene-d8	50	50.3	101	89	112
		4-Bromofluorobenzene	50	49.7	99	85	114
Q2082-10MS	BP-VPB-182-GW-400-402MS	1,2-Dichloroethane-d4	50	53.2	106	81	118
		Dibromofluoromethane	50	52.6	105	80	119
		Toluene-d8	50	51.3	103	89	112
		4-Bromofluorobenzene	50	52.1	104	85	114
Q2082-11MSD	BP-VPB-182-GW-400-402MSD	1,2-Dichloroethane-d4	50	50.6	101	81	118
		Dibromofluoromethane	50	49.2	98	80	119
		Toluene-d8	50	48.7	97	89	112
		4-Bromofluorobenzene	50	49.9	100	85	114
Q2082-12	VPB182-HYD-20250516	1,2-Dichloroethane-d4	50	52.4	105	81	118
		Dibromofluoromethane	50	50.2	100	80	119
		Toluene-d8	50	49.5	99	89	112
		4-Bromofluorobenzene	50	51.8	104	85	114
VX0521WBL01	VX0521WBL01	1,2-Dichloroethane-d4	50	53.5	107	81	118
		Dibromofluoromethane	50	50.9	102	80	119
		Toluene-d8	50	50.8	102	89	112
		4-Bromofluorobenzene	50	50.7	101	85	114
VX0521WBS01	VX0521WBS01	1,2-Dichloroethane-d4	50	53.6	107	81	118
		Dibromofluoromethane	50	54.3	109	80	119

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Surrogate Summary

SDG No.: Q2082

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VX0521WBS01	VX0521WBS01	Toluene-d8	50	52.4	105	89	112
		4-Bromofluorobenzene	50	55.0	110	85	114

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2082

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q2082-10MS		**Client Sample ID : BP-VPB-182-GW-400-402MS**						**Datafile :** VX046307.D			
Chloromethane	50	0	55.3	ug/L	111				50	139	
Vinyl chloride	50	0	52.6	ug/L	105				58	137	
Bromomethane	50	0	51.2	ug/L	102				53	141	
Chloroethane	50	0	57.8	ug/L	116				60	138	
Trichlorofluoromethane	50	0	53.7	ug/L	107				65	141	
1,1,2-Trichlorotrifluoroethane	50	0	48.2	ug/L	96				70	136	
1,1-Dichloroethene	50	0	54.3	ug/L	109				71	131	
Acetone	250	2.70	290	ug/L	115				39	160	
Carbon disulfide	50	0	49.8	ug/L	100				64	133	
Methyl tert-butyl Ether	50	0	56.9	ug/L	114				71	124	
Methylene Chloride	50	0	53.0	ug/L	106				74	124	
trans-1,2-Dichloroethene	50	0	54.4	ug/L	109				75	124	
1,1-Dichloroethane	50	0	57.1	ug/L	114				77	125	
2-Butanone	250	0	300	ug/L	120				56	143	
Carbon Tetrachloride	50	0	53.3	ug/L	107				72	136	
cis-1,2-Dichloroethene	50	0	55.2	ug/L	110				78	123	
Chloroform	50	0	56.9	ug/L	114				79	124	
1,1,1-Trichloroethane	50	0	55.5	ug/L	111				74	131	
Methylcyclohexane	50	0	45.9	ug/L	92				72	132	
Benzene	50	0	55.3	ug/L	111				79	120	
1,2-Dichloroethane	50	0	55.9	ug/L	112				73	128	
Trichloroethene	50	0	53.8	ug/L	108				79	123	
1,2-Dichloropropane	50	0	57.0	ug/L	114				78	122	
Bromodichloromethane	50	0	56.9	ug/L	114				79	125	
4-Methyl-2-Pentanone	250	0	300	ug/L	120				67	130	
Toluene	50	0	55.4	ug/L	111				80	121	
t-1,3-Dichloropropene	50	0	54.2	ug/L	108				73	127	
cis-1,3-Dichloropropene	50	0	54.4	ug/L	109				75	124	
1,1,2-Trichloroethane	50	0	55.9	ug/L	112				80	119	
2-Hexanone	250	0	300	ug/L	120				57	139	
Dibromochloromethane	50	0	57.4	ug/L	115				74	126	
Tetrachloroethene	50	0	52.3	ug/L	105				74	129	
Chlorobenzene	50	0	52.5	ug/L	105				82	118	
Ethyl Benzene	50	0	54.3	ug/L	109				79	121	
m/p-Xylenes	100	0	110	ug/L	110				80	121	
o-Xylene	50	0	54.7	ug/L	109				78	122	
Styrene	50	0	54.6	ug/L	109				78	123	
Bromoform	50	0	53.4	ug/L	107				66	130	
Isopropylbenzene	50	0	56.3	ug/L	113				72	131	
1,1,2,2-Tetrachloroethane	50	0	53.7	ug/L	107				71	121	
1,3-Dichlorobenzene	50	0	54.1	ug/L	108				80	119	
1,4-Dichlorobenzene	50	0	52.5	ug/L	105				79	118	
1,2-Dichlorobenzene	50	0	53.9	ug/L	108				80	119	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2082

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q2082-11MSD	**Client Sample ID :** BP-VPB-182-GW-400-402MSD							**Datafile :** VX046308.D			
Chloromethane	50	0	52.6	ug/L	105		5		50	139	20
Vinyl chloride	50	0	50.7	ug/L	101		4		58	137	20
Bromomethane	50	0	51.2	ug/L	102		0		53	141	20
Chloroethane	50	0	55.1	ug/L	110		5		60	138	20
Trichlorofluoromethane	50	0	52.4	ug/L	105		2		65	141	20
1,1,2-Trichlorotrifluoroethane	50	0	45.7	ug/L	91		5		70	136	20
1,1-Dichloroethene	50	0	52.0	ug/L	104		4		71	131	20
Acetone	250	2.70	280	ug/L	111		4		39	160	20
Carbon disulfide	50	0	49.0	ug/L	98		2		64	133	20
Methyl tert-butyl Ether	50	0	55.9	ug/L	112		2		71	124	20
Methylene Chloride	50	0	51.1	ug/L	102		4		74	124	20
trans-1,2-Dichloroethene	50	0	52.5	ug/L	105		4		75	124	20
1,1-Dichloroethane	50	0	55.7	ug/L	111		2		77	125	20
2-Butanone	250	0	290	ug/L	116		3		56	143	20
Carbon Tetrachloride	50	0	51.4	ug/L	103		4		72	136	20
cis-1,2-Dichloroethene	50	0	54.4	ug/L	109		1		78	123	20
Chloroform	50	0	55.5	ug/L	111		2		79	124	20
1,1,1-Trichloroethane	50	0	55.0	ug/L	110		1		74	131	20
Methylcyclohexane	50	0	43.2	ug/L	86		6		72	132	20
Benzene	50	0	52.4	ug/L	105		5		79	120	20
1,2-Dichloroethane	50	0	52.6	ug/L	105		6		73	128	20
Trichloroethene	50	0	51.2	ug/L	102		5		79	123	20
1,2-Dichloropropane	50	0	53.2	ug/L	106		7		78	122	20
Bromodichloromethane	50	0	54.6	ug/L	109		4		79	125	20
4-Methyl-2-Pentanone	250	0	290	ug/L	116		3		67	130	20
Toluene	50	0	52.8	ug/L	106		5		80	121	20
t-1,3-Dichloropropene	50	0	53.0	ug/L	106		2		73	127	20
cis-1,3-Dichloropropene	50	0	53.1	ug/L	106		2		75	124	20
1,1,2-Trichloroethane	50	0	54.4	ug/L	109		3		80	119	20
2-Hexanone	250	0	290	ug/L	116		3		57	139	20
Dibromochloromethane	50	0	55.9	ug/L	112		3		74	126	20
Tetrachloroethene	50	0	49.5	ug/L	99		6		74	129	20
Chlorobenzene	50	0	52.2	ug/L	104		1		82	118	20
Ethyl Benzene	50	0	53.5	ug/L	107		1		79	121	20
m/p-Xylenes	100	0	110	ug/L	110		0		80	121	20
o-Xylene	50	0	54.3	ug/L	109		1		78	122	20
Styrene	50	0	52.8	ug/L	106		3		78	123	20
Bromoform	50	0	54.1	ug/L	108		1		66	130	20
Isopropylbenzene	50	0	54.4	ug/L	109		3		72	131	20
1,1,2,2-Tetrachloroethane	50	0	53.2	ug/L	106		1		71	121	20
1,3-Dichlorobenzene	50	0	52.3	ug/L	105		3		80	119	20
1,4-Dichlorobenzene	50	0	51.1	ug/L	102		3		79	118	20
1,2-Dichlorobenzene	50	0	52.1	ug/L	104		3		80	119	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2082

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260-Low **Datafile :** VX046287.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0521WBS01	Chloromethane	20	19.7	ug/L	99			50	139	
	Vinyl chloride	20	19.0	ug/L	95			58	137	
	Bromomethane	20	19.6	ug/L	98			53	141	
	Chloroethane	20	20.8	ug/L	104			60	138	
	Trichlorofluoromethane	20	20.1	ug/L	101			65	141	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			70	136	
	1,1-Dichloroethene	20	18.8	ug/L	94			71	131	
	Acetone	100	100	ug/L	100			39	160	
	Carbon disulfide	20	15.6	ug/L	78			64	133	
	Methyl tert-butyl Ether	20	20.6	ug/L	103			71	124	
	Methylene Chloride	20	19.7	ug/L	99			74	124	
	trans-1,2-Dichloroethene	20	19.5	ug/L	98			75	124	
	1,1-Dichloroethane	20	20.8	ug/L	104			77	125	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	20.4	ug/L	102			72	136	
	cis-1,2-Dichloroethene	20	19.9	ug/L	100			78	123	
	Chloroform	20	20.9	ug/L	104			79	124	
	1,1,1-Trichloroethane	20	20.5	ug/L	103			74	131	
	Methylcyclohexane	20	18.2	ug/L	91			72	132	
	Benzene	20	20.3	ug/L	102			79	120	
	1,2-Dichloroethane	20	21.0	ug/L	105			73	128	
	Trichloroethene	20	20.1	ug/L	101			79	123	
	1,2-Dichloropropane	20	20.7	ug/L	104			78	122	
	Bromodichloromethane	20	20.9	ug/L	104			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.5	ug/L	103			80	121	
	t-1,3-Dichloropropene	20	19.9	ug/L	100			73	127	
	cis-1,3-Dichloropropene	20	20.4	ug/L	102			75	124	
	1,1,2-Trichloroethane	20	21.6	ug/L	108			80	119	
	2-Hexanone	100	110	ug/L	110			57	139	
	Dibromochloromethane	20	21.5	ug/L	108			74	126	
	Tetrachloroethene	20	20.5	ug/L	103			74	129	
	Chlorobenzene	20	19.8	ug/L	99			82	118	
	Ethyl Benzene	20	20.1	ug/L	101			79	121	
	m/p-Xylenes	40	40.3	ug/L	101			80	121	
	o-Xylene	20	20.9	ug/L	104			78	122	
	Styrene	20	21.2	ug/L	106			78	123	
	Bromoform	20	19.9	ug/L	100			66	130	
	Isopropylbenzene	20	20.4	ug/L	102			72	131	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102			71	121	
	1,3-Dichlorobenzene	20	20.5	ug/L	103			80	119	
	1,4-Dichlorobenzene	20	19.8	ug/L	99			79	118	
	1,2-Dichlorobenzene	20	20.5	ug/L	103			80	119	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0521WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2082 SAS No.: Q2082 SDG NO.: Q2082

Lab File ID: VX046286.D Lab Sample ID: VX0521WBL01

Date Analyzed: 05/21/2025 Time Analyzed: 10:46

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
VX0521WBS01	VX0521WBS01	VX046287.D	05/21/2025
BP-VPB-182-TB-20250515	Q2082-01	VX046294.D	05/21/2025
BP-VPB-182-GW-300-302	Q2082-04	VX046295.D	05/21/2025
VPB182-HYD-20250516	Q2082-12	VX046296.D	05/21/2025
BP-VPB-182-GW-260-262	Q2082-02	VX046297.D	05/21/2025
BP-VPB-182-GW-280-282	Q2082-03	VX046298.D	05/21/2025
BP-VPB-182-GW-320-322	Q2082-05	VX046299.D	05/21/2025
BP-VPB-182-GW-360-362	Q2082-07	VX046300.D	05/21/2025
BP-VPB-182-GW-390-392	Q2082-08	VX046301.D	05/21/2025
BP-VPB-182-GW-400-402	Q2082-09	VX046306.D	05/21/2025
BP-VPB-182-GW-400-402MS	Q2082-10MS	VX046307.D	05/21/2025
BP-VPB-182-GW-400-402MSD	Q2082-11MSD	VX046308.D	05/21/2025

COMMENTS:

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

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2082 SAS No.: Q2082 SDG NO.: Q2082

Lab File ID: VX046038.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 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
VSTDICC020	VSTDICC020	VX046041.D	05/05/2025	11:35
VSTDICCC050	VSTDICCC050	VX046042.D	05/05/2025	11:58
VSTDICC100	VSTDICC100	VX046043.D	05/05/2025	12:21
VSTDICC150	VSTDICC150	VX046044.D	05/05/2025	12:45
VSTDICC005	VSTDICC005	VX046046.D	05/05/2025	16:04
VSTDICC001	VSTDICC001	VX046047.D	05/05/2025	16:27

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2082 SAS No.: Q2082 SDG NO.: Q2082

Lab File ID: VX046283.D BFB Injection Date: 05/21/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:13

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	21.4
75	30.0 - 60.0% of mass 95	56.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	70.1
175	5.0 - 9.0% of mass 174	5.4 (7.7) 1
176	95.0 - 101.0% of mass 174	67.1 (95.7) 1
177	5.0 - 9.0% of mass 176	4.3 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046284.D	05/21/2025	09:55
VX0521WBL01	VX0521WBL01	VX046286.D	05/21/2025	10:46
VX0521WBS01	VX0521WBS01	VX046287.D	05/21/2025	11:09
BP-VPB-182-TB-20250515	Q2082-01	VX046294.D	05/21/2025	13:56
BP-VPB-182-GW-300-302	Q2082-04	VX046295.D	05/21/2025	14:19
VPB182-HYD-20250516	Q2082-12	VX046296.D	05/21/2025	14:42
BP-VPB-182-GW-260-262	Q2082-02	VX046297.D	05/21/2025	15:05
BP-VPB-182-GW-280-282	Q2082-03	VX046298.D	05/21/2025	15:29
BP-VPB-182-GW-320-322	Q2082-05	VX046299.D	05/21/2025	15:52
BP-VPB-182-GW-360-362	Q2082-07	VX046300.D	05/21/2025	16:15
BP-VPB-182-GW-390-392	Q2082-08	VX046301.D	05/21/2025	16:39
BP-VPB-182-GW-400-402	Q2082-09	VX046306.D	05/21/2025	18:35
BP-VPB-182-GW-400-402MS	Q2082-10MS	VX046307.D	05/21/2025	18:58
BP-VPB-182-GW-400-402MSD	Q2082-11MSD	VX046308.D	05/21/2025	19:21
VSTDCCC050EC	VSTDCCC050	VX046309.D	05/21/2025	19:44

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2082 SAS No.: Q2082 SDG NO.: Q2082

Lab File ID: VX046284.D Date Analyzed: 05/21/2025

Instrument ID: MSVOA_X Time Analyzed: 09:55

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	95080	5.54	161730	6.75	140445	10.05
UPPER LIMIT	190160	6.037	323460	7.251	280890	10.549
LOWER LIMIT	47540	5.037	80865	6.251	70222.5	9.549
EPA SAMPLE NO.						
BP-VPB-182-TB-20250515	71541	5.55	139675	6.76	131819	10.05
BP-VPB-182-GW-260-262	65017	5.54	131648	6.76	122793	10.05
BP-VPB-182-GW-280-282	65611	5.55	130055	6.76	119143	10.06
BP-VPB-182-GW-300-302	76265	5.54	151412	6.76	140047	10.05
BP-VPB-182-GW-320-322	64755	5.55	127417	6.76	119598	10.05
BP-VPB-182-GW-360-362	65131	5.55	131317	6.76	119664	10.05
BP-VPB-182-GW-390-392	65898	5.55	130017	6.76	123419	10.05
BP-VPB-182-GW-400-402	68861	5.55	136083	6.76	127972	10.05
BP-VPB-182-GW-400-402MS	78978	5.54	141460	6.76	126683	10.05
BP-VPB-182-GW-400-402MSD	79940	5.55	146227	6.76	127394	10.05
VPB182-HYD-20250516	67553	5.54	134394	6.76	128060	10.05
VX0521WBL01	66690	5.54	132814	6.76	124685	10.05
VX0521WBS01	83102	5.54	146697	6.76	130479	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: TETR06

Lab Code: CHEM Case No.: Q2082 SAS No.: Q2082 SDG NO.: Q2082

Lab File ID: VX046284.D Date Analyzed: 05/21/2025

Instrument ID: MSVOA_X Time Analyzed: 09:55

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

	IS4 AREA #	RT #				
12 HOUR STD	67683	12.018				
UPPER LIMIT	135366	12.518				
LOWER LIMIT	33841.5	11.518				
EPA SAMPLE NO.						
BP-VPB-182-TB-20250515	60241	12.02				
BP-VPB-182-GW-260-262	51747	12.02				
BP-VPB-182-GW-280-282	47547	12.02				
BP-VPB-182-GW-300-302	58719	12.02				
BP-VPB-182-GW-320-322	48477	12.02				
BP-VPB-182-GW-360-362	50238	12.02				
BP-VPB-182-GW-390-392	52601	12.02				
BP-VPB-182-GW-400-402	53505	12.02				
BP-VPB-182-GW-400-402MS	57803	12.02				
BP-VPB-182-GW-400-402MSD	59572	12.02				
VPB182-HYD-20250516	54802	12.02				
VX0521WBL01	53099	12.02				
VX0521WBS01	62651	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-TB-20250515	SDG No.:	Q2082
Lab Sample ID:	Q2082-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046294.D	1		05/21/25 13:56	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-TB-20250515	SDG No.:	Q2082
Lab Sample ID:	Q2082-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046294.D	1		05/21/25 13:56	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.5		81 - 118		103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	50.7		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		85 - 114		105%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	71500	5.55				
540-36-3	1,4-Difluorobenzene	140000	6.757				
3114-55-4	Chlorobenzene-d5	132000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	60200	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-TB-20250515	SDG No.:	Q2082
Lab Sample ID:	Q2082-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046294.D	1		05/21/25 13:56	VX052125

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\VX052125\
Data File : VX046294.D
Acq On : 21 May 2025 13:56
Operator : JC/MD
Sample : Q2082-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250515

Quant Time: May 22 01:49:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

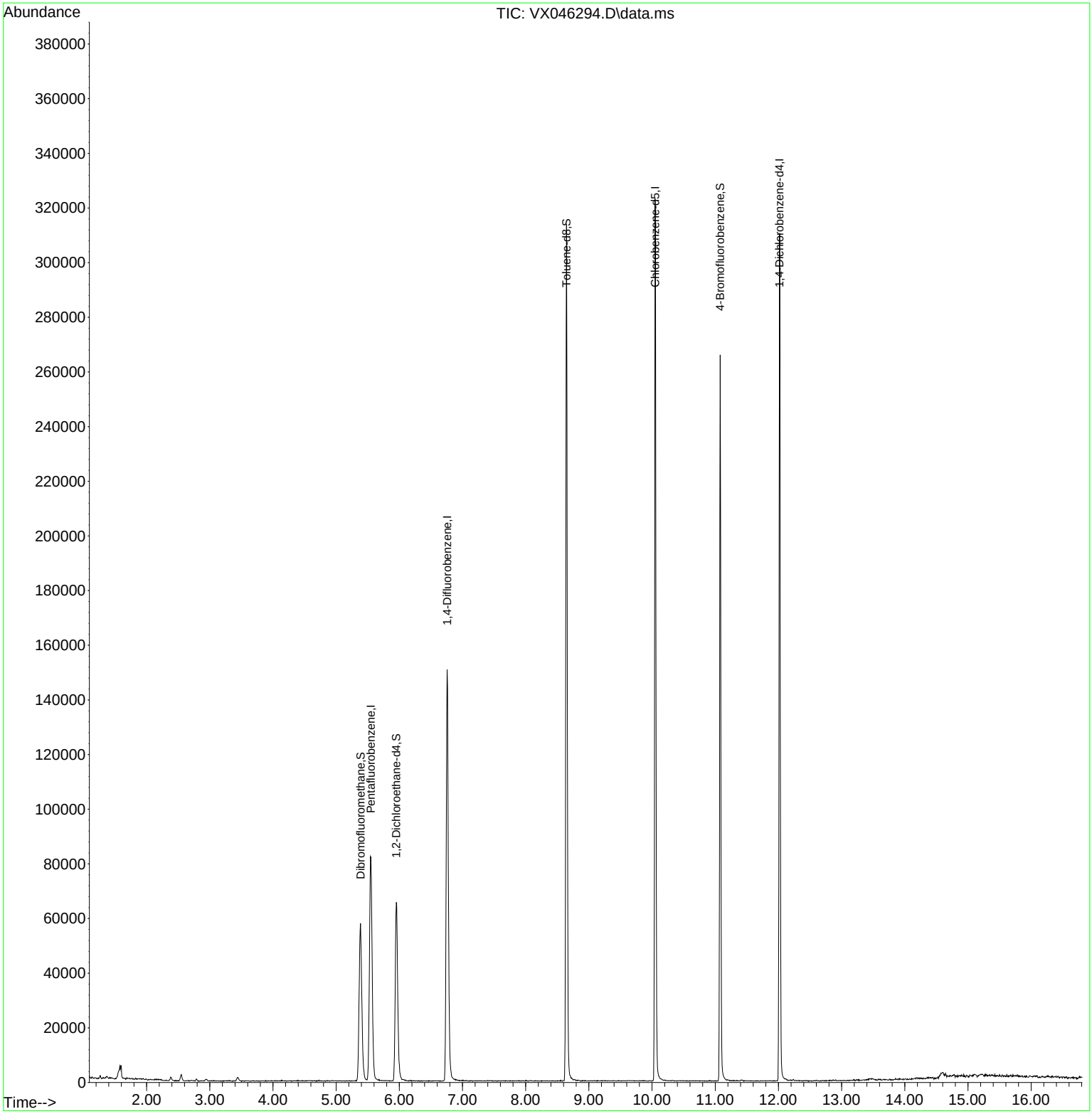
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	71541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139675	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68716	51.521	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.040%			
35) Dibromofluoromethane	5.385	113	50304	50.014	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.020%			
50) Toluene-d8	8.647	98	176587	50.725	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.460%			
62) 4-Bromofluorobenzene	11.079	95	69889	52.338	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.680%			
Target Compounds						Qvalue

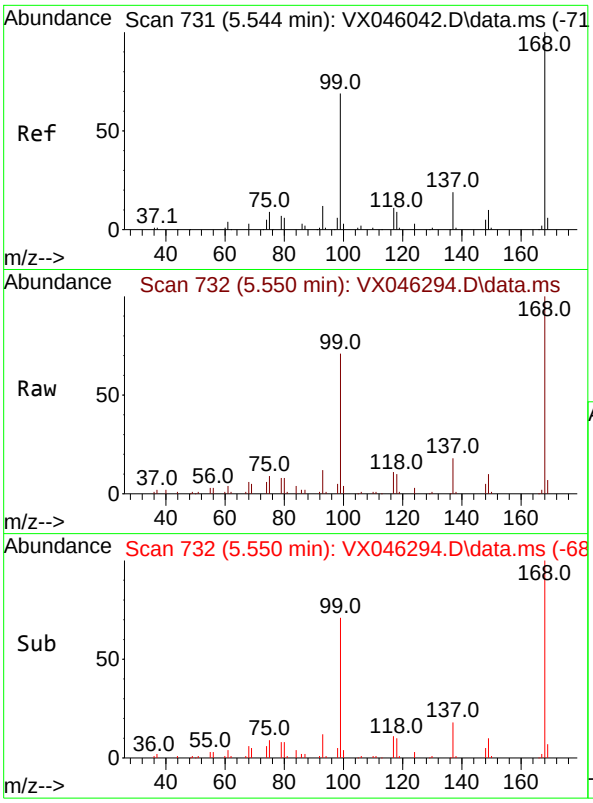
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046294.D
Acq On : 21 May 2025 13:56
Operator : JC/MD
Sample : Q2082-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250515

Quant Time: May 22 01:49:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



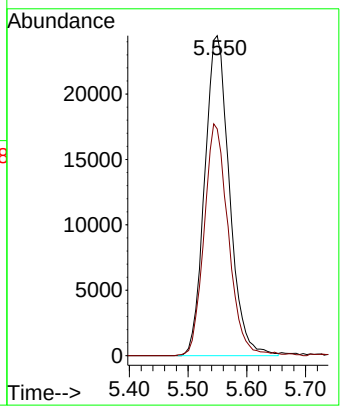


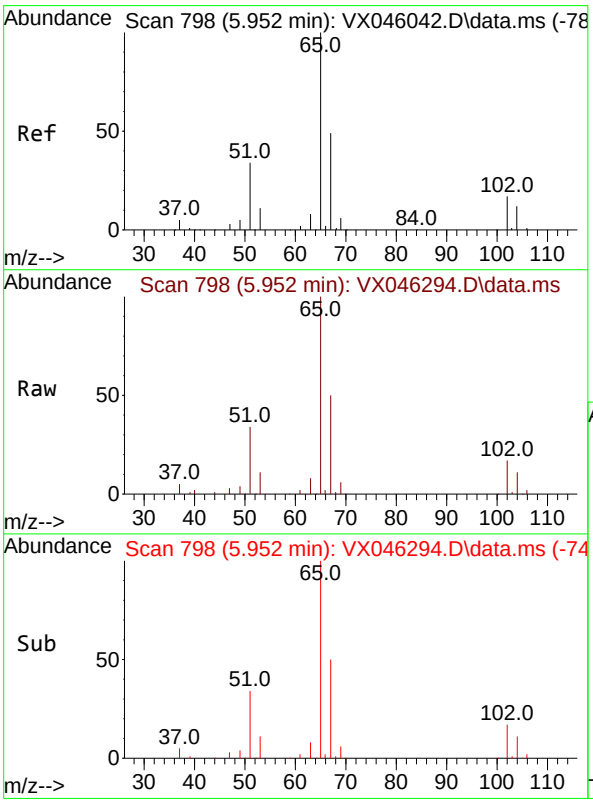
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046294.D
Acq: 21 May 2025 13:56

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250515

Tgt Ion:168 Resp: 71541

Ion	Ratio	Lower	Upper
168	100		
99	70.6	54.9	82.3

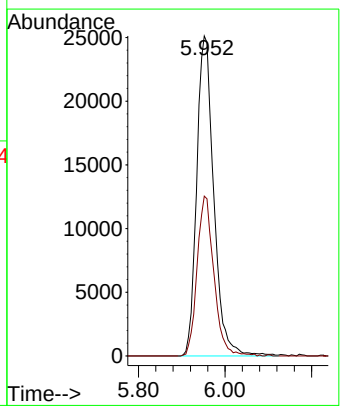


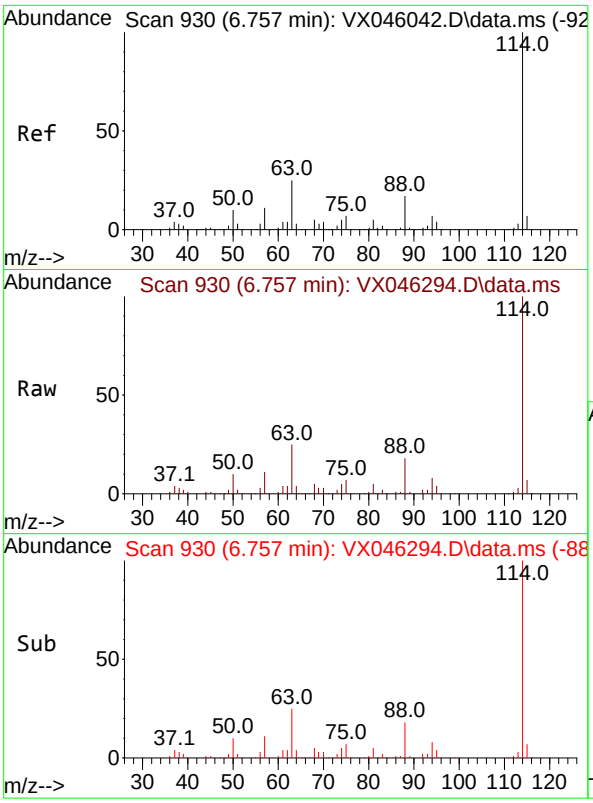


#33
1,2-Dichloroethane-d4
Concen: 51.521 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046294.D
Acq: 21 May 2025 13:56

Tgt Ion: 65 Resp: 68716

Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	99.0



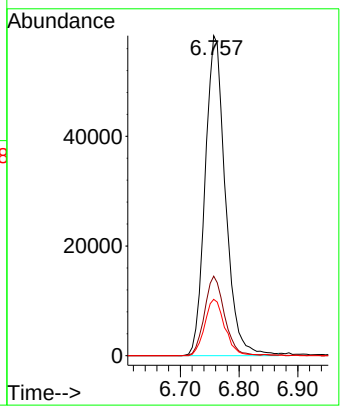


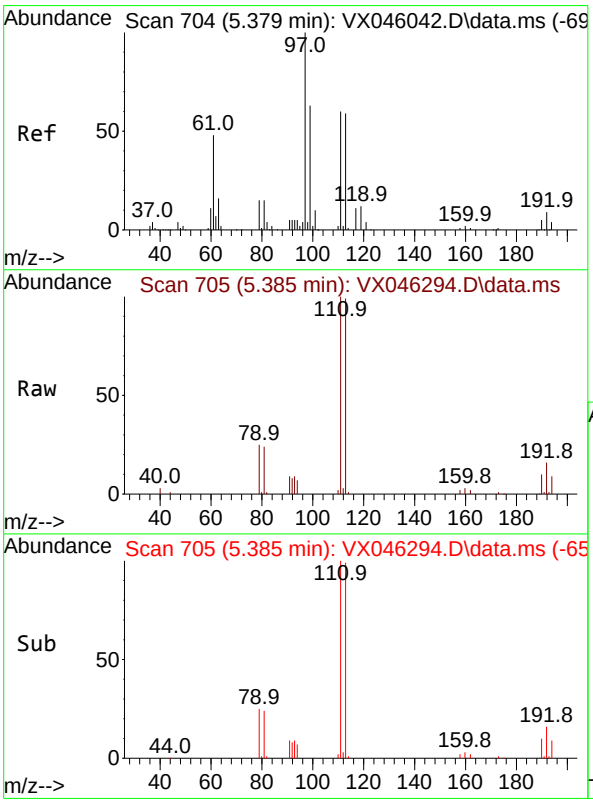
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046294.D
Acq: 21 May 2025 13:56

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250515

Tgt Ion:114 Resp: 139675

Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	49.2
88	17.6	0.0	33.6

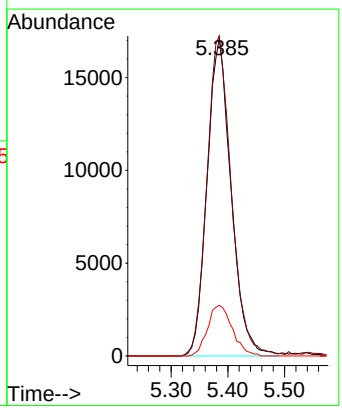


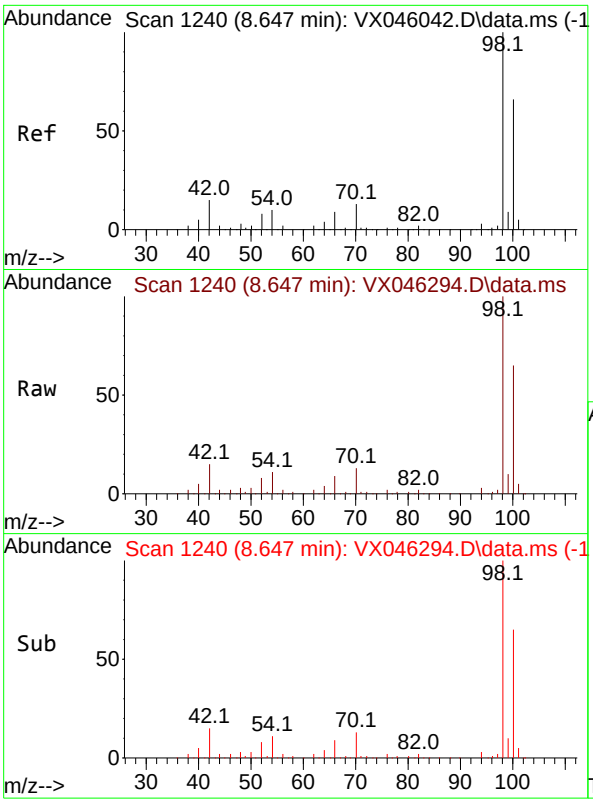


#35
Dibromofluoromethane
Concen: 50.014 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046294.D
Acq: 21 May 2025 13:56

Tgt Ion:113 Resp: 50304

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.1	124.7
192	16.5	13.3	19.9



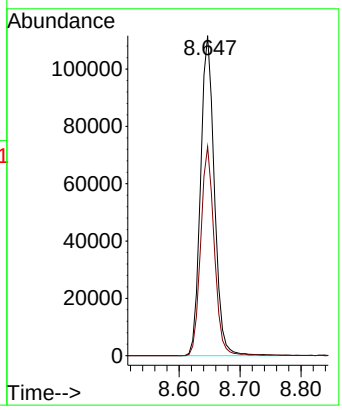


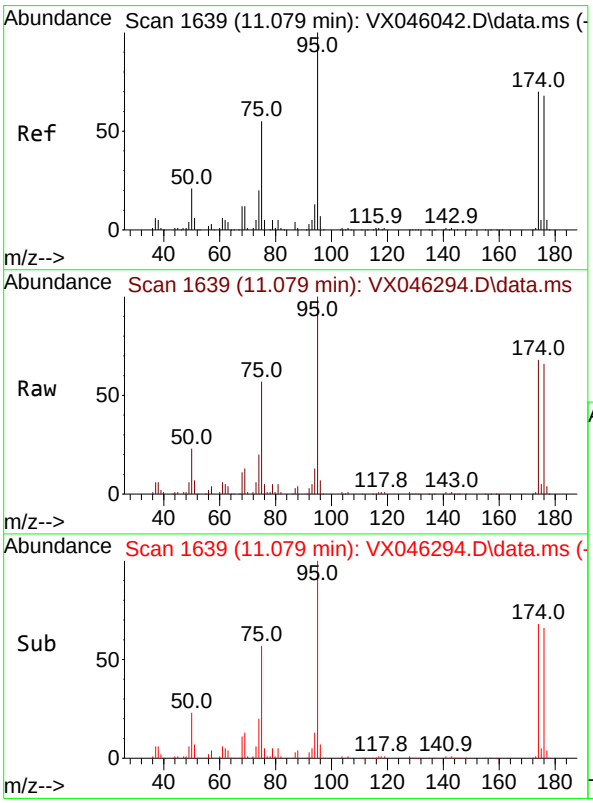
#50
Toluene-d8
Concen: 50.725 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046294.D
Acq: 21 May 2025 13:56

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250515

Tgt Ion: 98 Resp: 176587

Ion	Ratio	Lower	Upper
98	100		
100	63.9	53.5	80.3

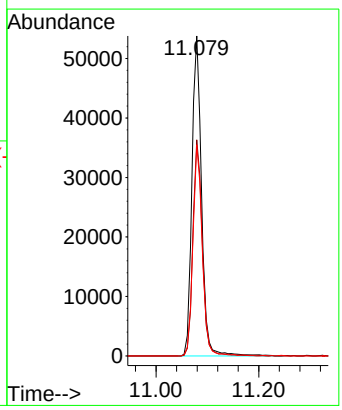


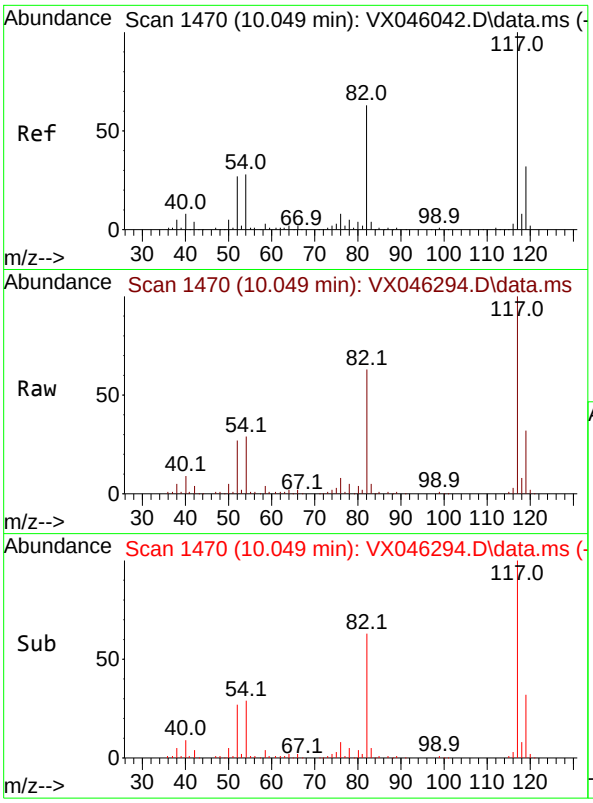


#62
4-Bromofluorobenzene
Concen: 52.338 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046294.D
Acq: 21 May 2025 13:56

Tgt Ion: 95 Resp: 69889

Ion	Ratio	Lower	Upper
95	100		
174	66.2	0.0	135.8
176	64.3	0.0	131.4



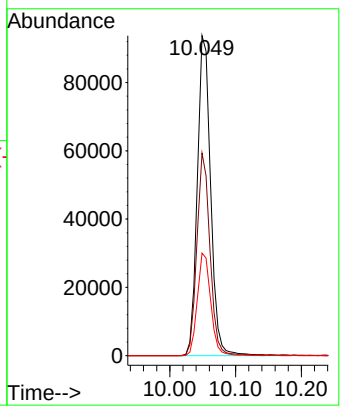


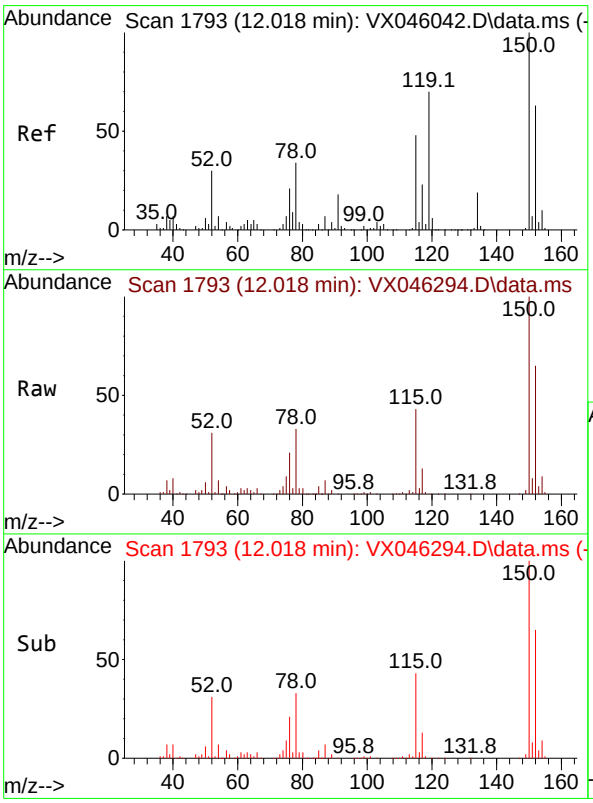
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046294.D
Acq: 21 May 2025 13:56

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250515

Tgt Ion:117 Resp: 131819

Ion	Ratio	Lower	Upper
117	100		
82	63.3	50.6	76.0
119	32.1	25.8	38.6

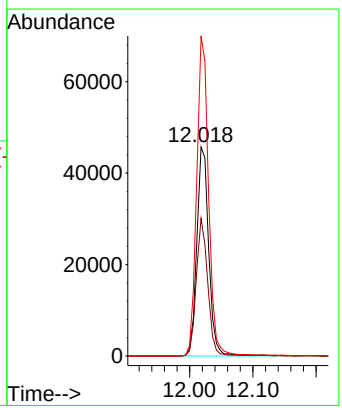




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046294.D
Acq: 21 May 2025 13:56

Tgt Ion:152 Resp: 60241

Ion	Ratio	Lower	Upper
152	100		
115	62.8	46.9	140.7
150	152.2	0.0	351.0



Sample Results: **VX046294.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046294.D
Acq On : 21 May 2025 13:56
Operator : JC/MD
Sample : Q2082-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250515

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046294.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.575	70	80	81	rBV2	4534	8743	1.78%	0.333%
2	5.385	694	705	722	rBV	57683	170526	34.69%	6.490%
3	5.544	722	731	752	rVB	81863	238605	48.54%	9.081%
4	5.952	789	798	813	rBV	65354	176825	35.97%	6.730%
5	6.757	922	930	947	rBV	150410	356651	72.55%	13.573%
6	8.647	1233	1240	1254	rBV	313488	491596	100.00%	18.709%
7	10.049	1465	1470	1484	rBV	322627	449316	91.40%	17.100%
8	11.079	1634	1639	1655	rBV	265618	337640	68.68%	12.850%
9	12.018	1788	1793	1807	rBV	310177	397698	80.90%	15.135%

Sum of corrected areas: 2627600

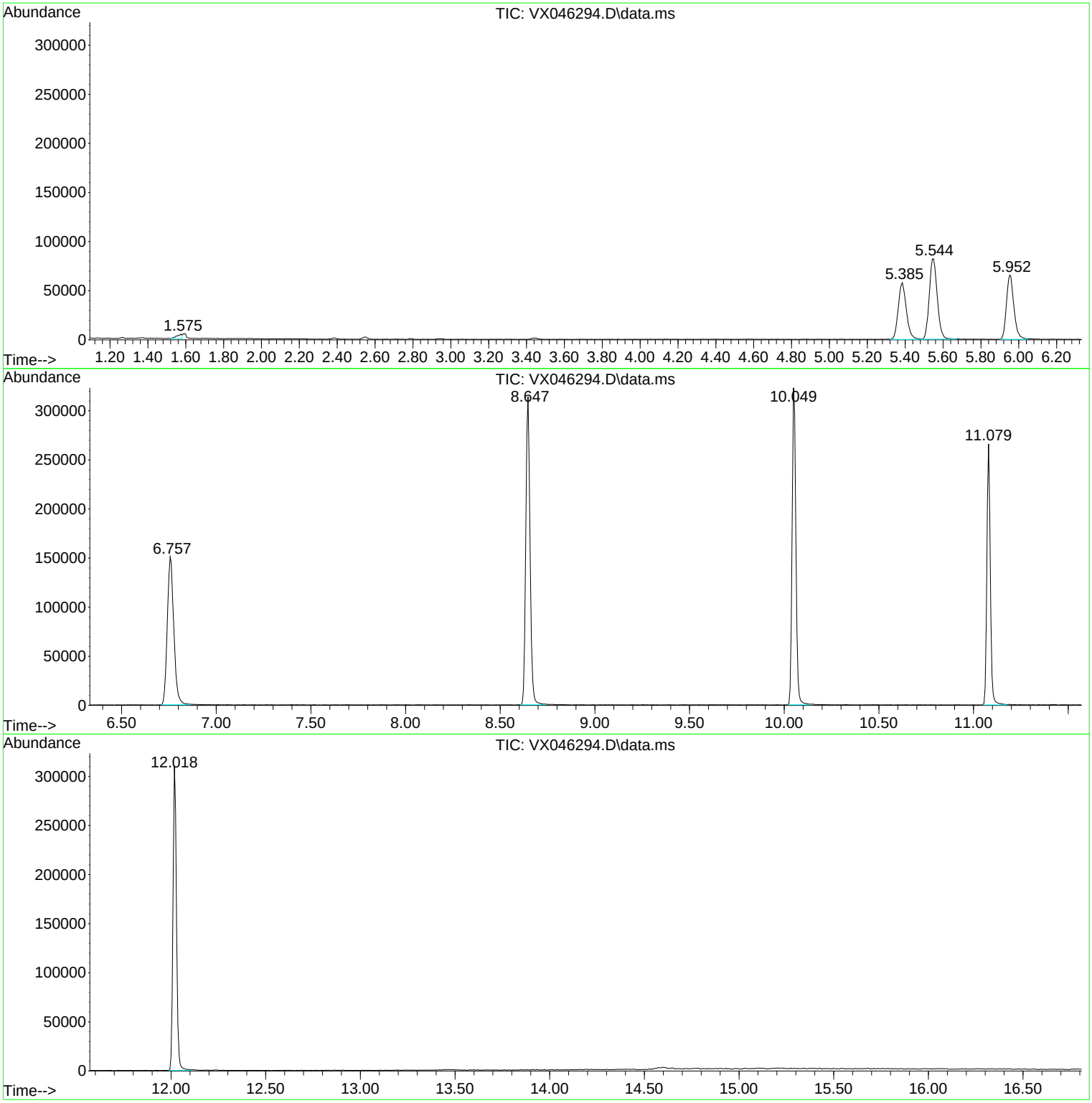
Sample Results: **VX046294.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046294.D
Acq On : 21 May 2025 13:56
Operator : JC/MD
Sample : Q2082-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250515

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046294.D
Acq On : 21 May 2025 13:56
Operator : JC/MD
Sample : Q2082-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250515

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046294.D
Acq On : 21 May 2025 13:56
Operator : JC/MD
Sample : Q2082-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-TB-20250515

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-260-262	SDG No.:	Q2082
Lab Sample ID:	Q2082-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046297.D	1		05/21/25 15:05	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	4.50	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-260-262	SDG No.:	Q2082
Lab Sample ID:	Q2082-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046297.D	1		05/21/25 15:05	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	50.5		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	65000	5.544				
540-36-3	1,4-Difluorobenzene	132000	6.757				
3114-55-4	Chlorobenzene-d5	123000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	51700	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-260-262	SDG No.:	Q2082
Lab Sample ID:	Q2082-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046297.D	1		05/21/25 15:05	VX052125

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\VX052125\
Data File : VX046297.D
Acq On : 21 May 2025 15:05
Operator : JC/MD
Sample : Q2082-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-260-262

Quant Time: May 22 01:50:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

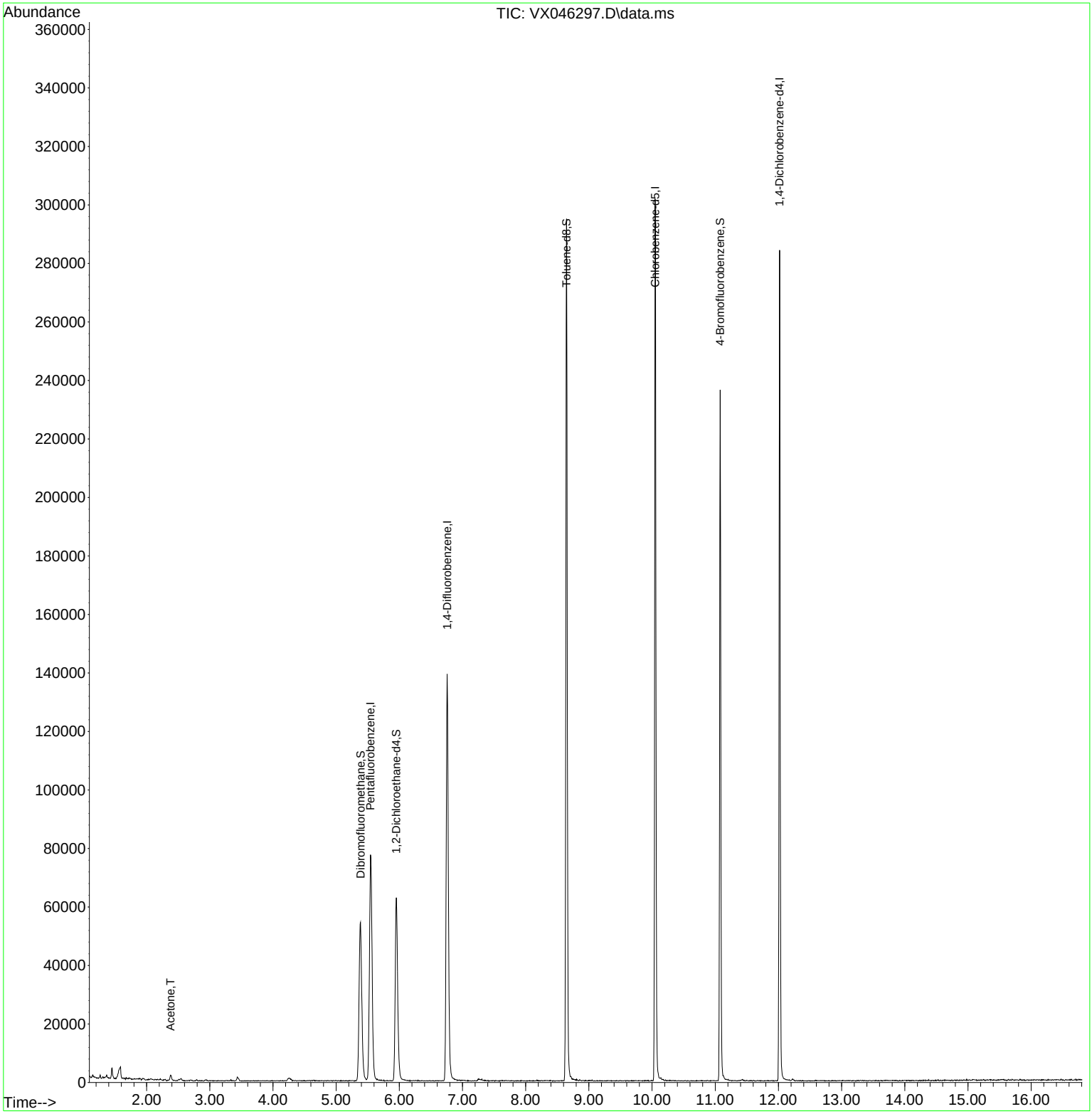
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	65017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131648	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64983	53.611	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.220%			
35) Dibromofluoromethane	5.385	113	47599	50.210	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.420%			
50) Toluene-d8	8.647	98	165709	50.503	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.000%			
62) 4-Bromofluorobenzene	11.079	95	63624	50.551	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.100%			
Target Compounds						Qvalue
16) Acetone	2.380	43	2182	4.490	ug/l	99

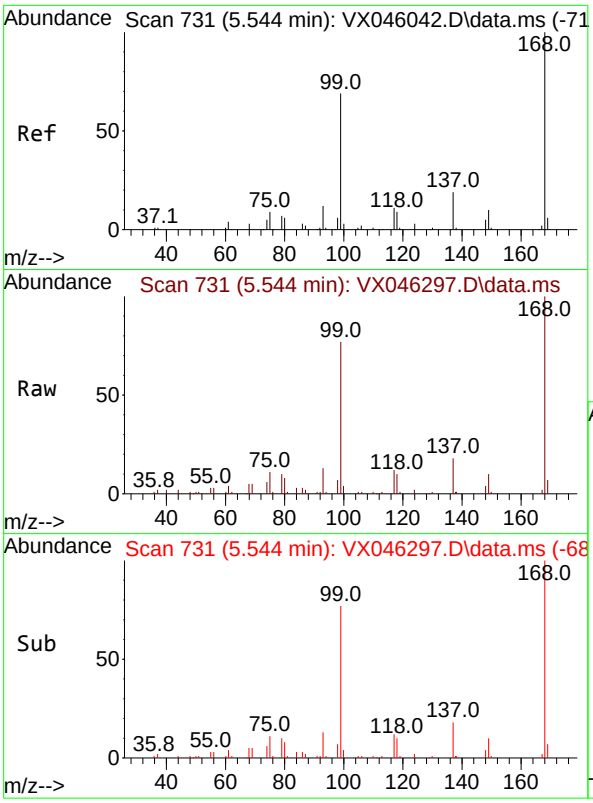
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046297.D
Acq On : 21 May 2025 15:05
Operator : JC/MD
Sample : Q2082-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-260-262

Quant Time: May 22 01:50:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



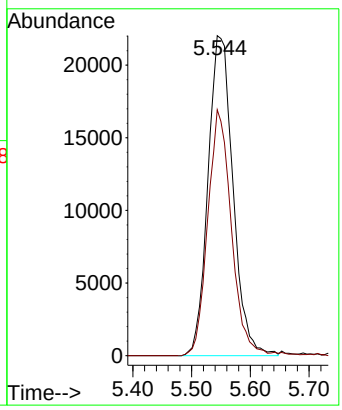


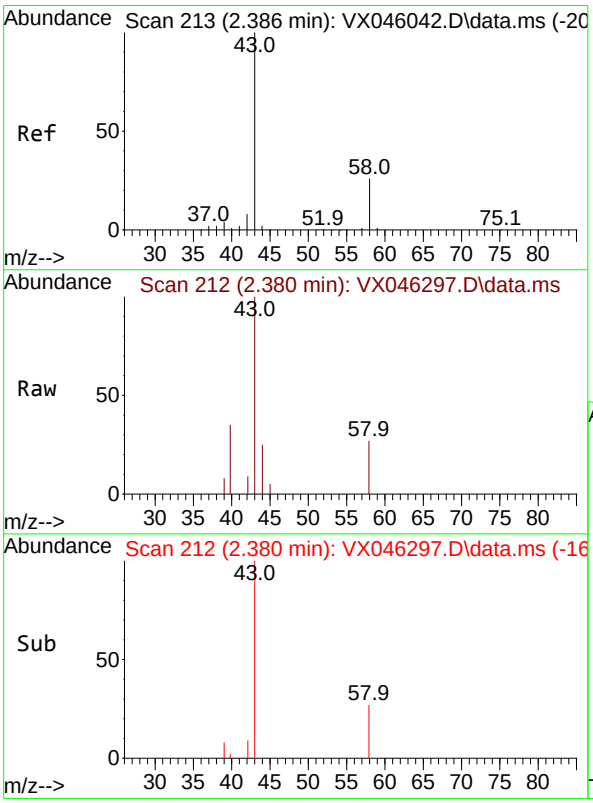
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046297.D
Acq: 21 May 2025 15:05

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-260-262

Tgt Ion:168 Resp: 65017

Ion	Ratio	Lower	Upper
168	100		
99	76.9	54.9	82.3

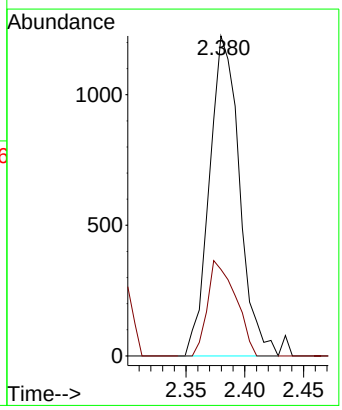


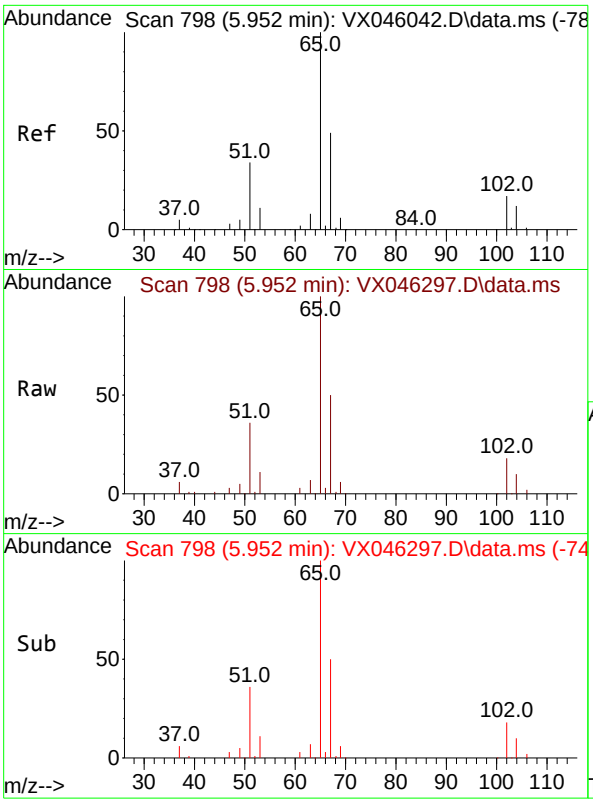


#16
Acetone
Concen: 4.490 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046297.D
Acq: 21 May 2025 15:05

Tgt Ion: 43 Resp: 2182

Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.2	31.8



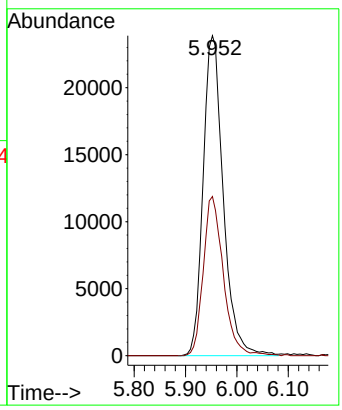


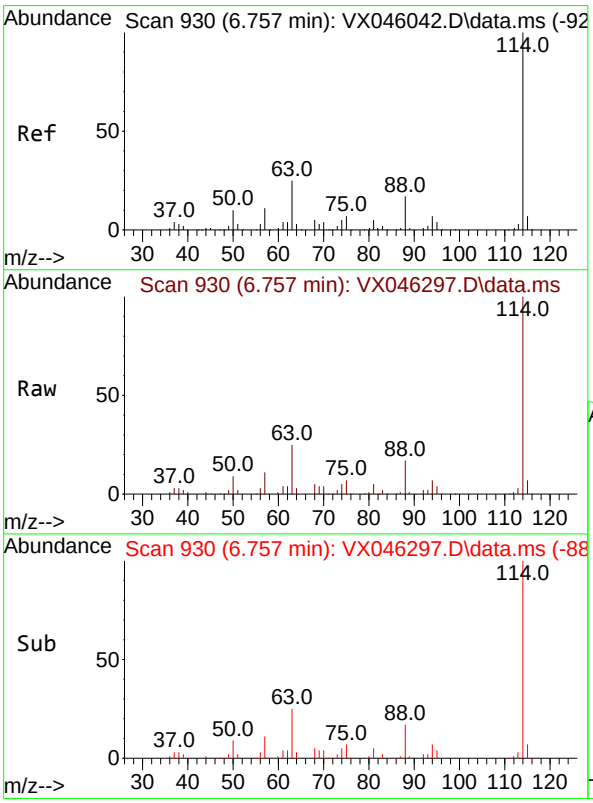
#33
1,2-Dichloroethane-d4
Concen: 53.611 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046297.D
Acq: 21 May 2025 15:05

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-260-262

Tgt Ion: 65 Resp: 64983

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0

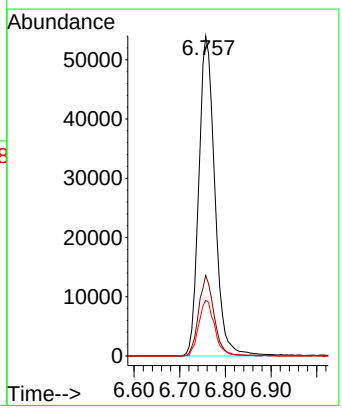


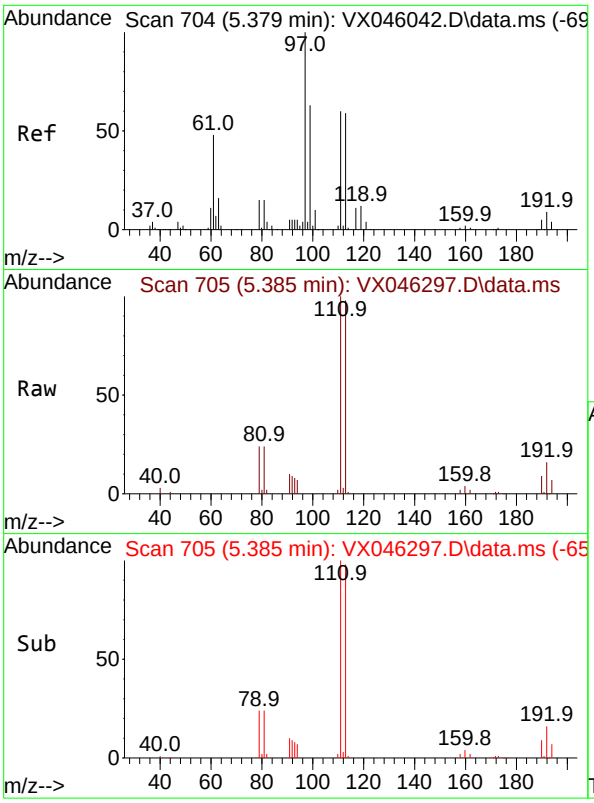


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046297.D
Acq: 21 May 2025 15:05

Tgt Ion:114 Resp: 131648

Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.2
88	17.4	0.0	33.6



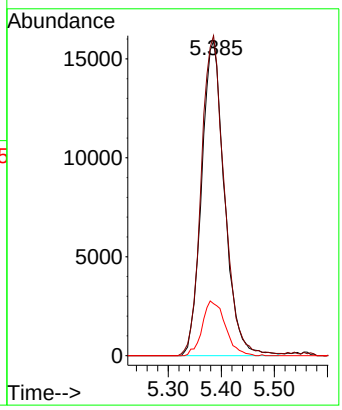


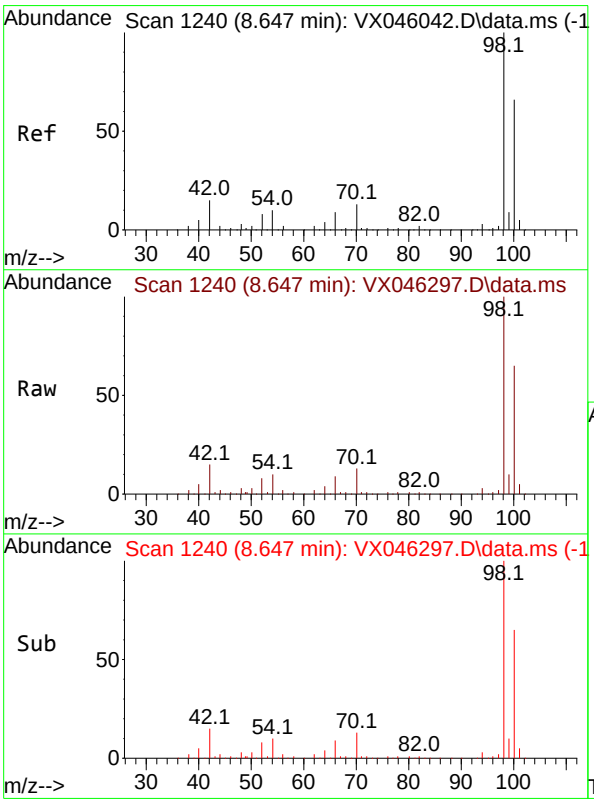
#35
Dibromofluoromethane
Concen: 50.210 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046297.D
Acq: 21 May 2025 15:05

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-260-262

Tgt Ion:113 Resp: 47599

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.1	124.7
192	17.6	13.3	19.9

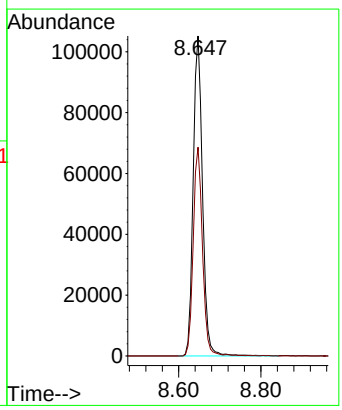


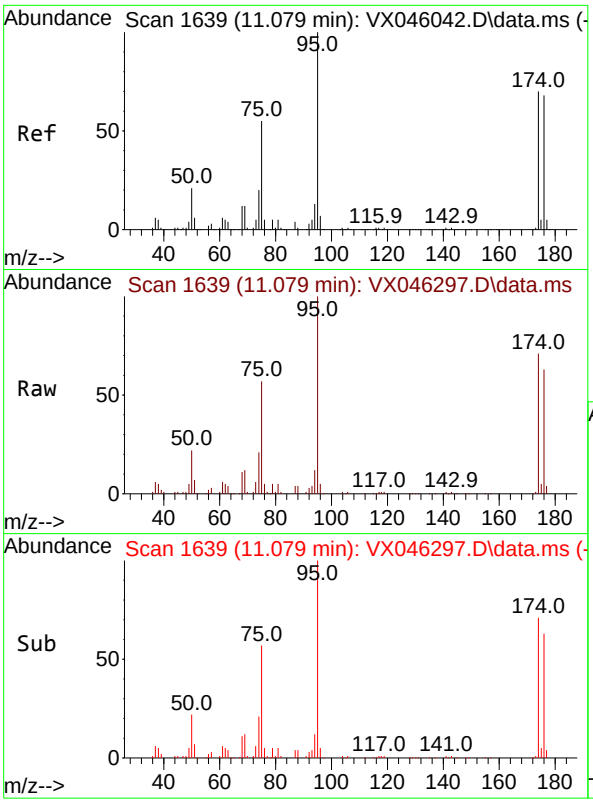


#50
Toluene-d8
Concen: 50.503 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046297.D
Acq: 21 May 2025 15:05

Tgt Ion: 98 Resp: 165709

Ion	Ratio	Lower	Upper
98	100		
100	64.9	53.5	80.3



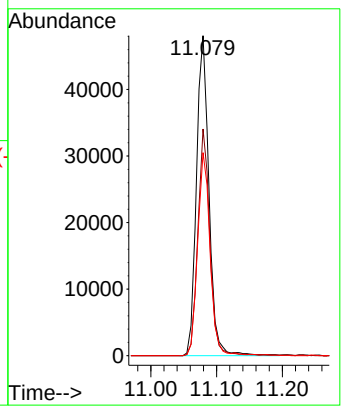


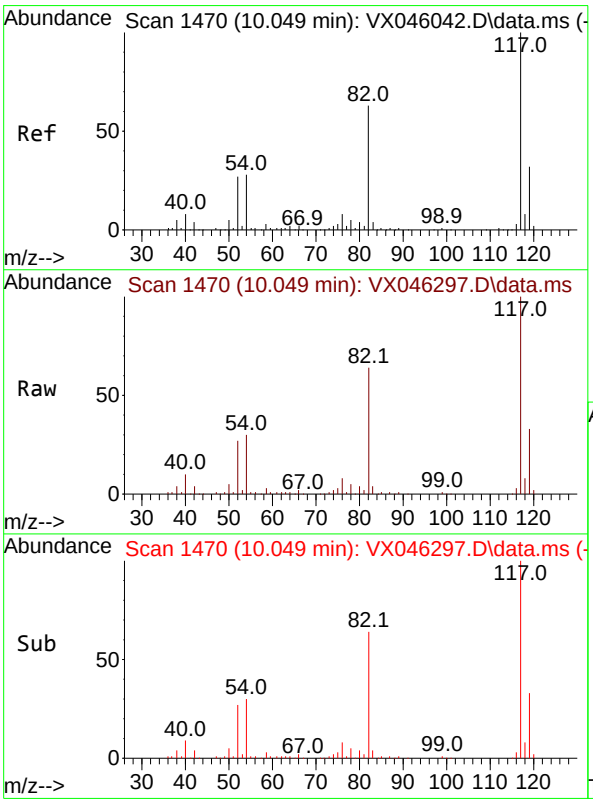
#62
4-Bromofluorobenzene
Concen: 50.551 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046297.D
Acq: 21 May 2025 15:05

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-260-262

Tgt Ion: 95 Resp: 63624

Ion	Ratio	Lower	Upper
95	100		
174	68.2	0.0	135.8
176	62.9	0.0	131.4

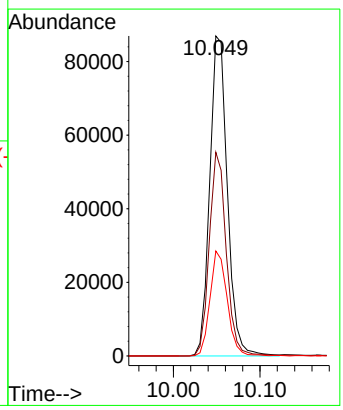


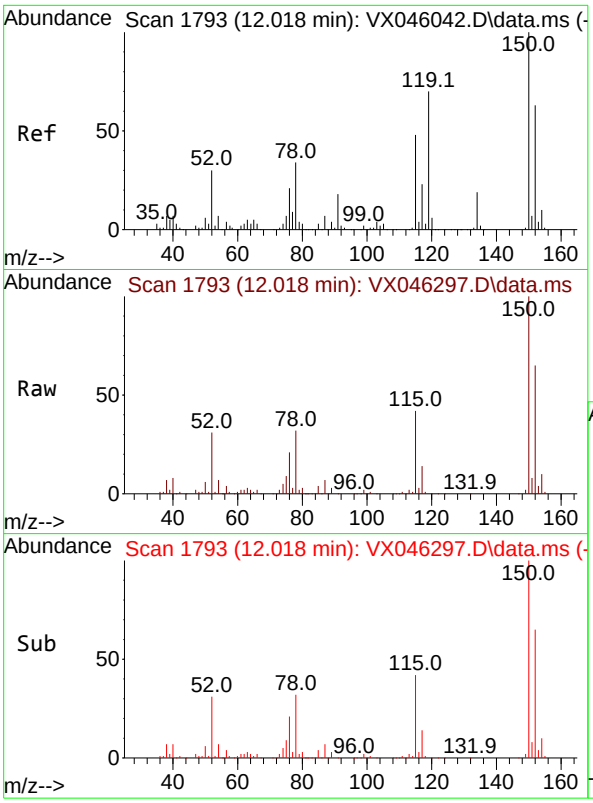


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046297.D
Acq: 21 May 2025 15:05

Tgt Ion:117 Resp: 122793

Ion	Ratio	Lower	Upper
117	100		
82	63.7	50.6	76.0
119	32.8	25.8	38.6



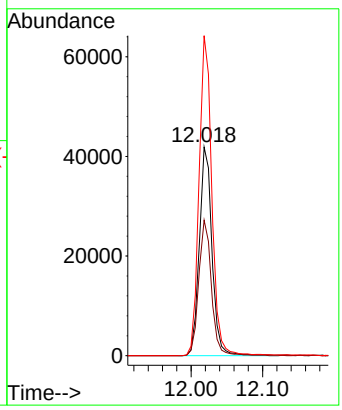


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046297.D
Acq: 21 May 2025 15:05

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-260-262

Tgt Ion:152 Resp: 51747

Ion	Ratio	Lower	Upper
152	100		
115	64.9	46.9	140.7
150	154.4	0.0	351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046297.D
Acq On : 21 May 2025 15:05
Operator : JC/MD
Sample : Q2082-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-260-262

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046297.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.453	55	60	67	rVB	3667	4982	1.08%	0.205%
2	1.587	70	82	86	rBV2	4095	10904	2.36%	0.449%
3	5.385	694	705	720	rBV2	54137	161551	34.98%	6.648%
4	5.544	720	731	746	rVV2	76942	218415	47.29%	8.987%
5	5.952	787	798	813	rBV	62659	168531	36.49%	6.935%
6	6.757	920	930	944	rBV	139034	330892	71.64%	13.616%
7	8.647	1233	1240	1250	rBV	294711	461858	100.00%	19.005%
8	10.049	1465	1470	1483	rBV	301462	419567	90.84%	17.264%
9	11.079	1634	1639	1646	rBV	236195	306484	66.36%	12.611%
10	12.018	1788	1793	1805	rBV	283919	347054	75.14%	14.281%

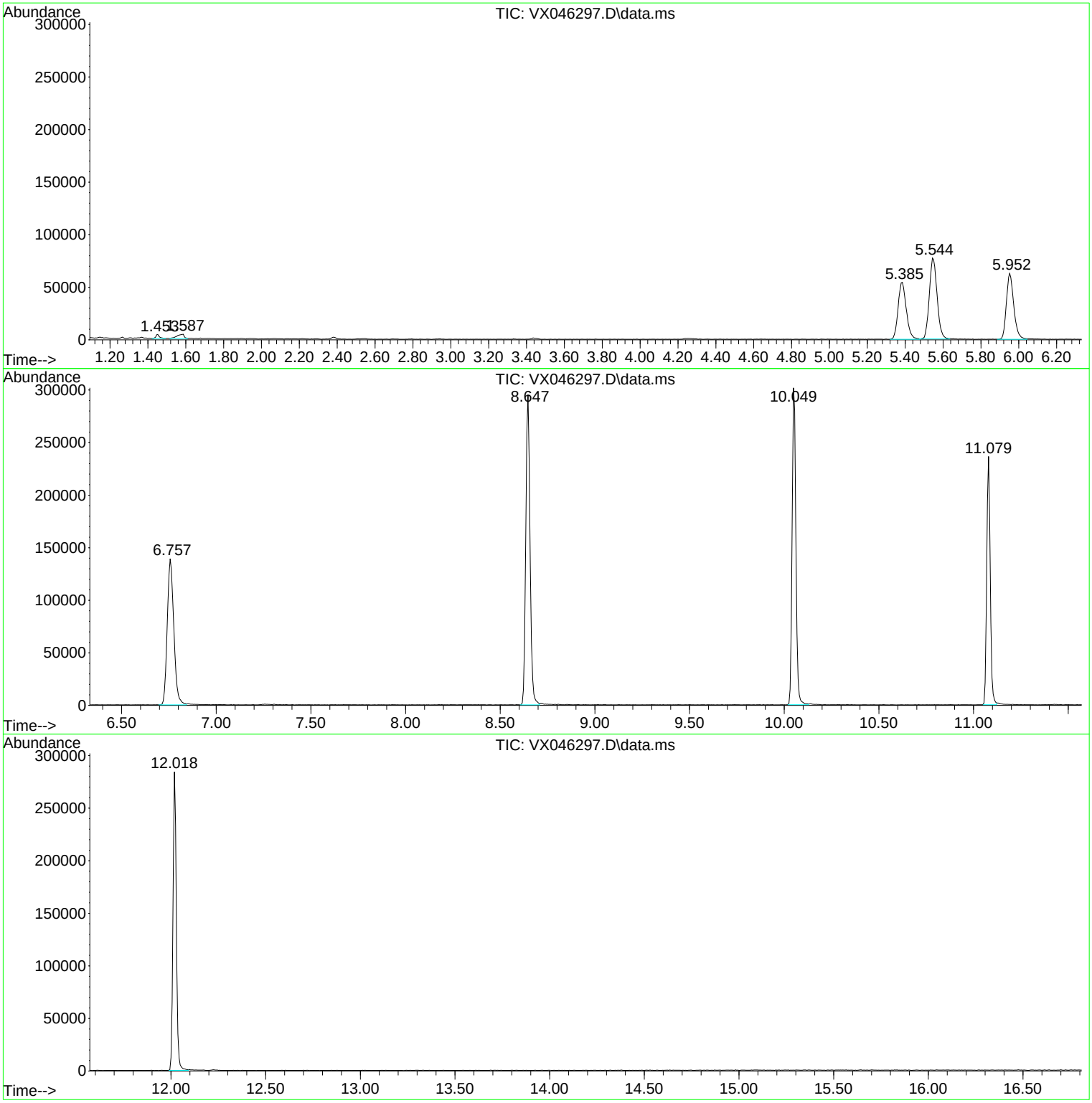
Sum of corrected areas: 2430238

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046297.D
Acq On : 21 May 2025 15:05
Operator : JC/MD
Sample : Q2082-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-260-262

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046297.D
Acq On : 21 May 2025 15:05
Operator : JC/MD
Sample : Q2082-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-260-262

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046297.D
Acq On : 21 May 2025 15:05
Operator : JC/MD
Sample : Q2082-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-260-262

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-280-282	SDG No.:	Q2082
Lab Sample ID:	Q2082-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046298.D	1		05/21/25 15:29	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.86	J	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	5.90		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.80	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-280-282	SDG No.:	Q2082
Lab Sample ID:	Q2082-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046298.D	1		05/21/25 15:29	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.4		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.4		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	65600	5.55				
540-36-3	1,4-Difluorobenzene	130000	6.757				
3114-55-4	Chlorobenzene-d5	119000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	47500	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-280-282	SDG No.:	Q2082
Lab Sample ID:	Q2082-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046298.D	1		05/21/25 15:29	VX052125

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\VX052125\
Data File : VX046298.D
Acq On : 21 May 2025 15:29
Operator : JC/MD
Sample : Q2082-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-280-282

Quant Time: May 22 01:50:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

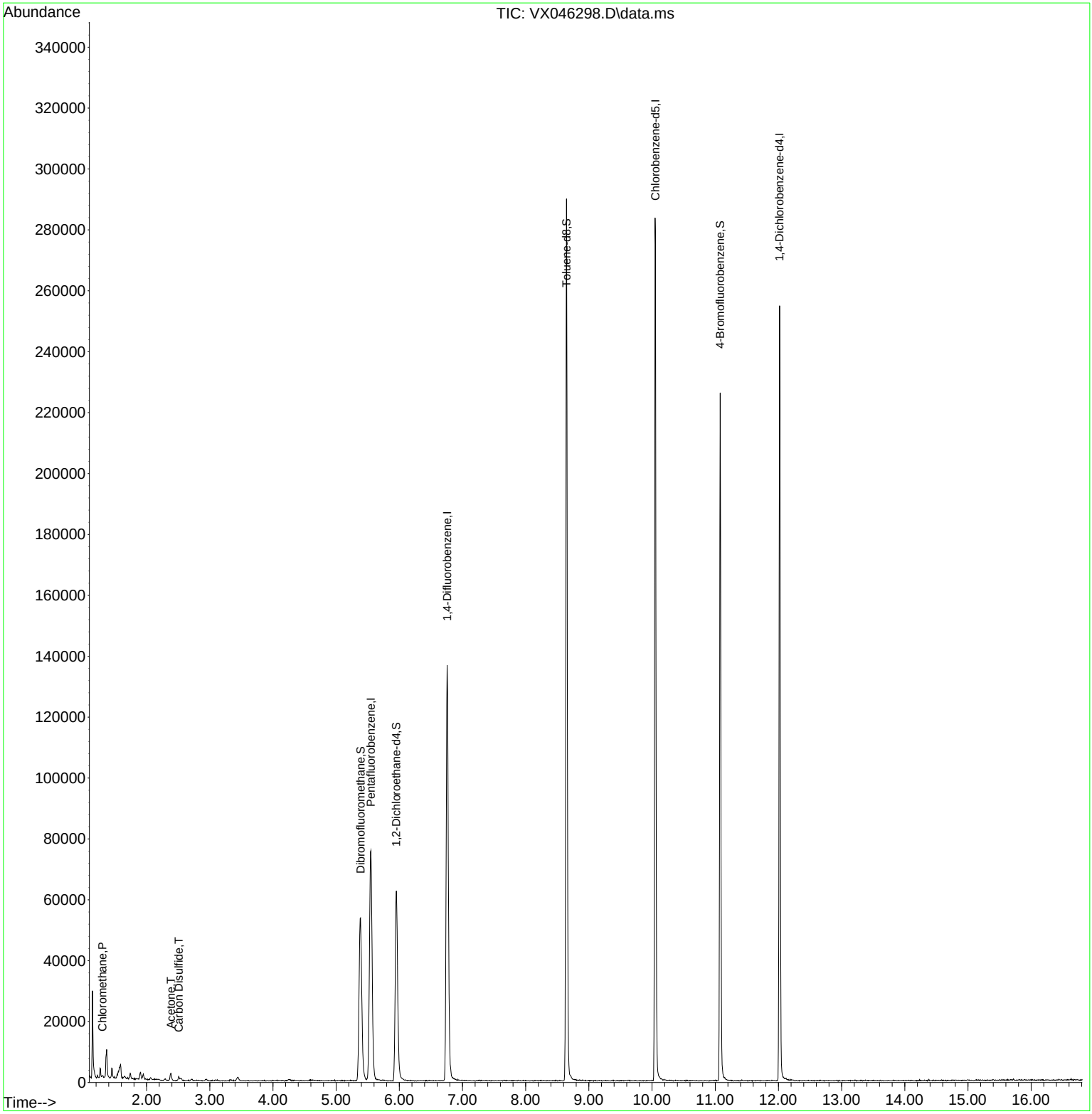
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	65611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130055	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64089	52.395	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.780%			
35) Dibromofluoromethane	5.385	113	46926	50.106	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.220%			
50) Toluene-d8	8.647	98	160017	49.366	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.740%			
62) 4-Bromofluorobenzene	11.079	95	59992	48.249	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.500%			
Target Compounds						Qvalue
3) Chloromethane	1.300	50	841	0.864	ug/l	100
16) Acetone	2.385	43	2915	5.944	ug/l	92
17) Carbon Disulfide	2.507	76	1472	0.798	ug/l #	95

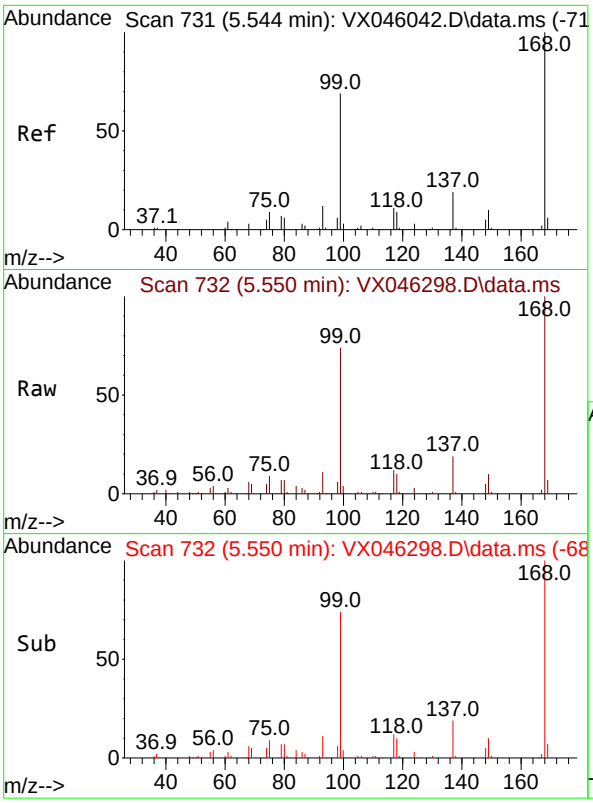
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046298.D
Acq On : 21 May 2025 15:29
Operator : JC/MD
Sample : Q2082-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-280-282

Quant Time: May 22 01:50:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



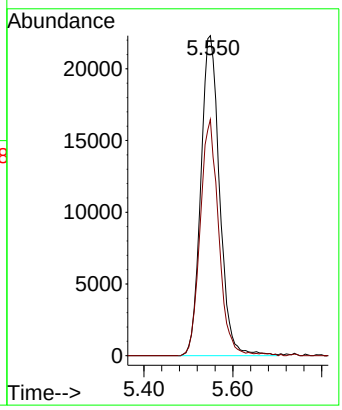


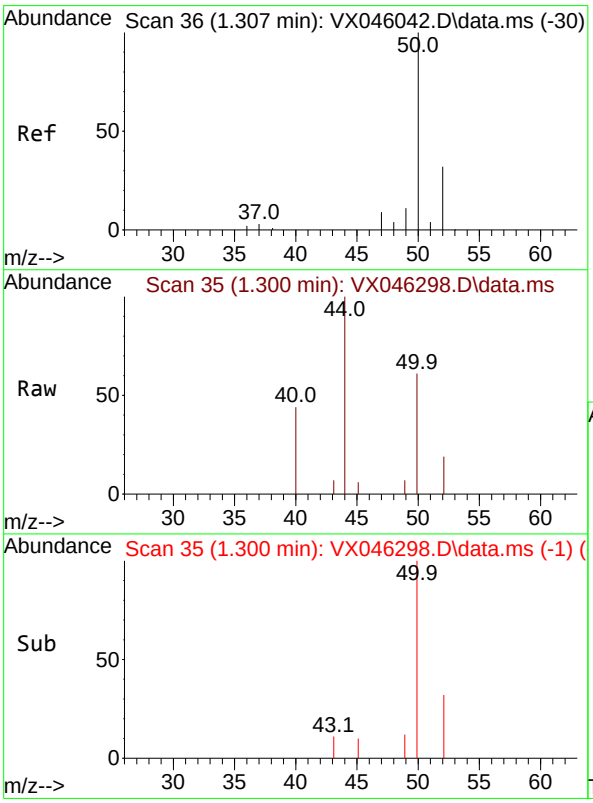
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046298.D
Acq: 21 May 2025 15:29

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-280-282

Tgt Ion:168 Resp: 65611

Ion	Ratio	Lower	Upper
168	100		
99	73.8	54.9	82.3

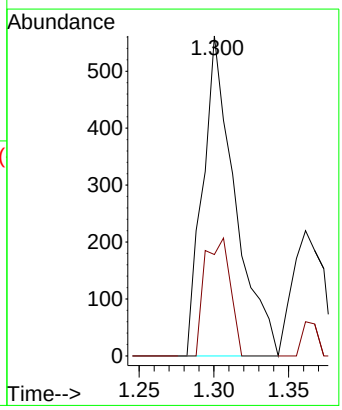


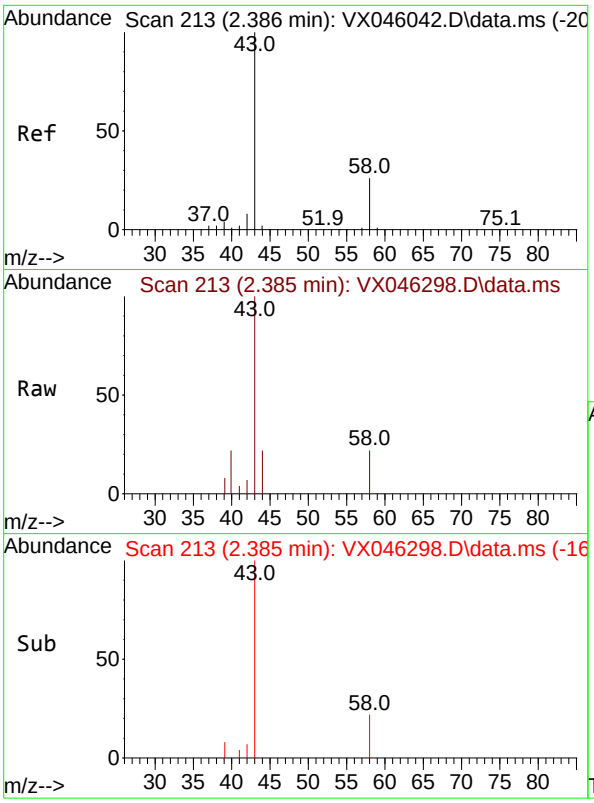


#3
Chloromethane
Concen: 0.864 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX046298.D
Acq: 21 May 2025 15:29

Tgt Ion: 50 Resp: 841

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.4	38.2



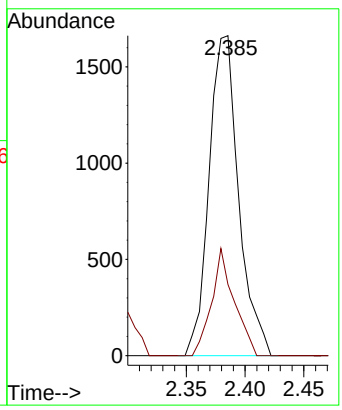


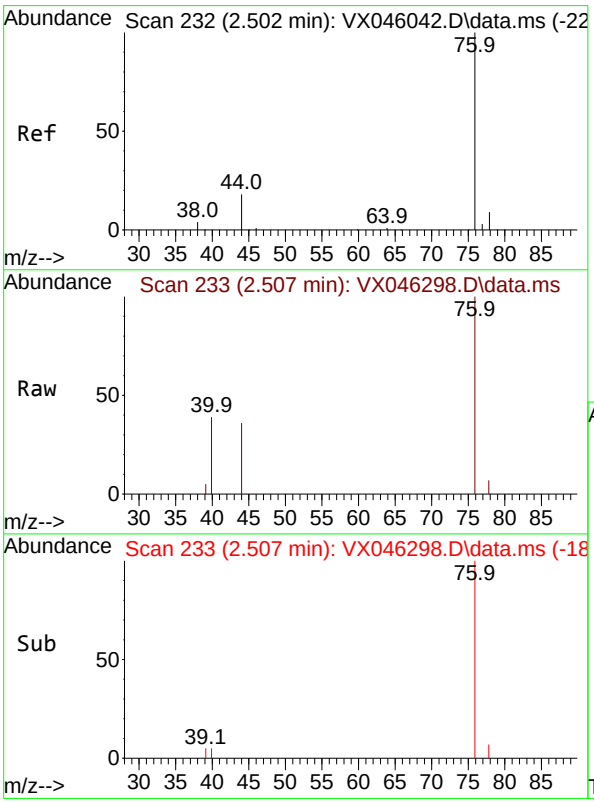
#16
Acetone
Concen: 5.944 ug/l
RT: 2.385 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046298.D
Acq: 21 May 2025 15:29

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-280-282

Tgt Ion: 43 Resp: 2915

Ion	Ratio	Lower	Upper
43	100		
58	22.3	21.2	31.8

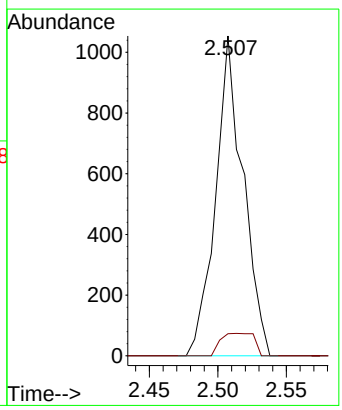


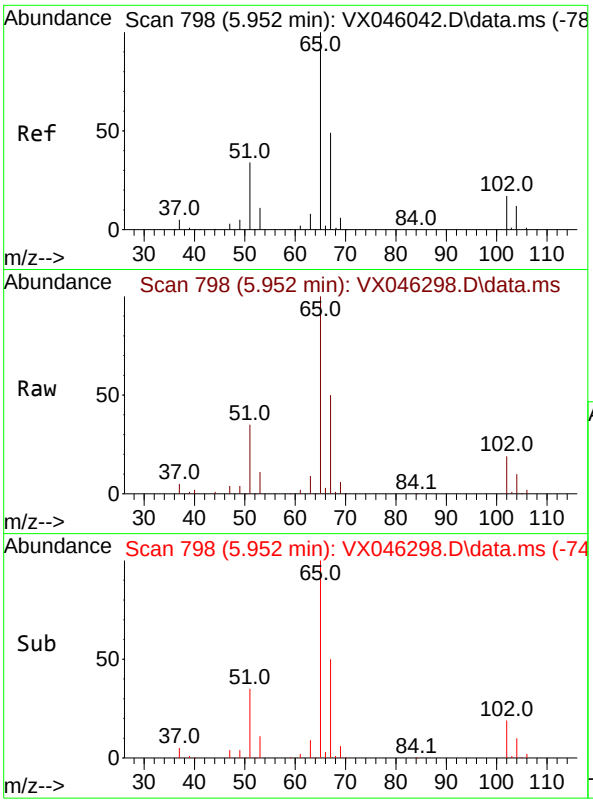


#17
Carbon Disulfide
Concen: 0.798 ug/l
RT: 2.507 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX046298.D
Acq: 21 May 2025 15:29

Tgt Ion: 76 Resp: 1472

Ion	Ratio	Lower	Upper
76	100		
78	6.9	7.0	10.4#



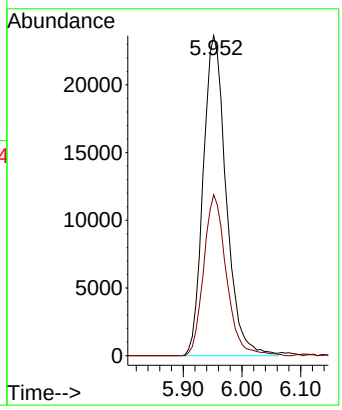


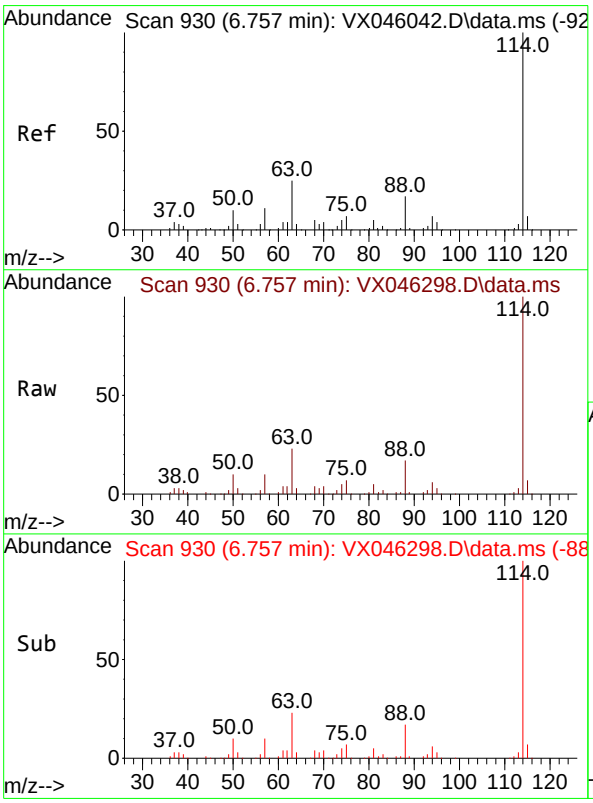
#33
1,2-Dichloroethane-d4
Concen: 52.395 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046298.D
Acq: 21 May 2025 15:29

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-280-282

Tgt Ion: 65 Resp: 64089

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	99.0

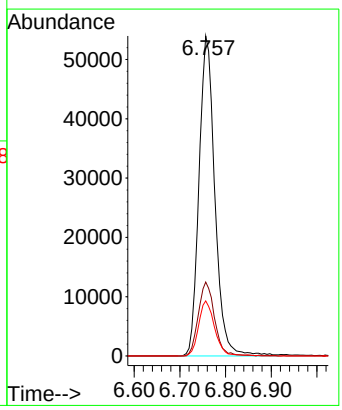


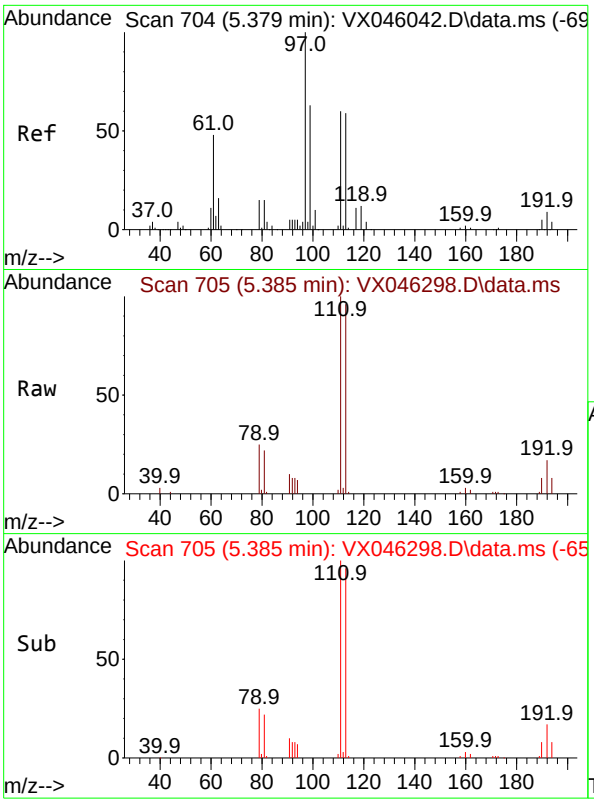


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046298.D
Acq: 21 May 2025 15:29

Tgt Ion:114 Resp: 130055

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	49.2
88	17.2	0.0	33.6



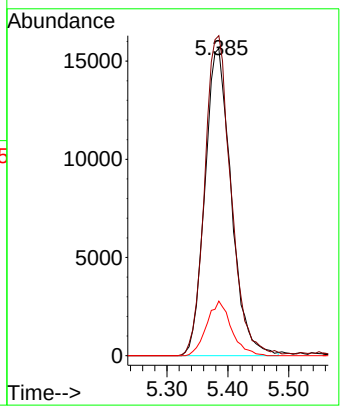


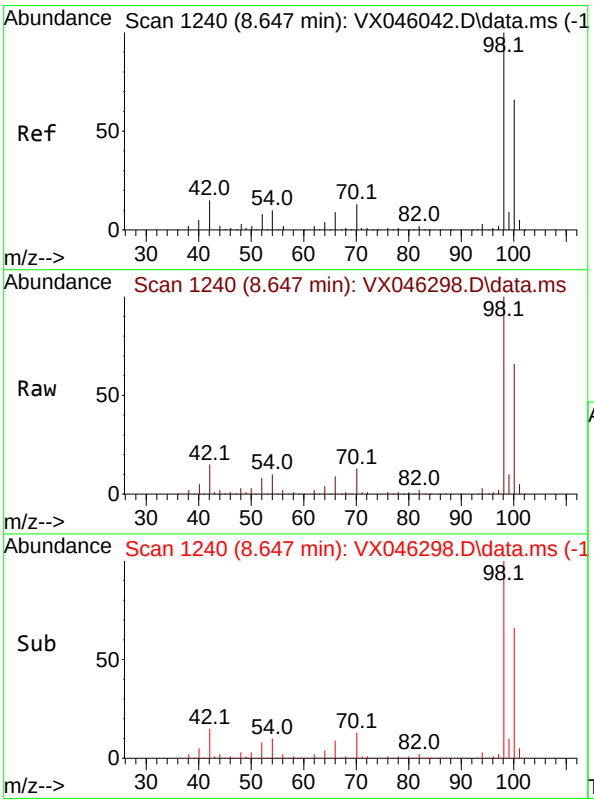
#35
Dibromofluoromethane
Concen: 50.106 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046298.D
Acq: 21 May 2025 15:29

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-280-282

Tgt Ion:113 Resp: 46926

Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.1	124.7
192	16.7	13.3	19.9

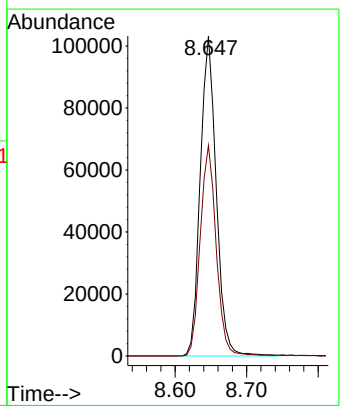


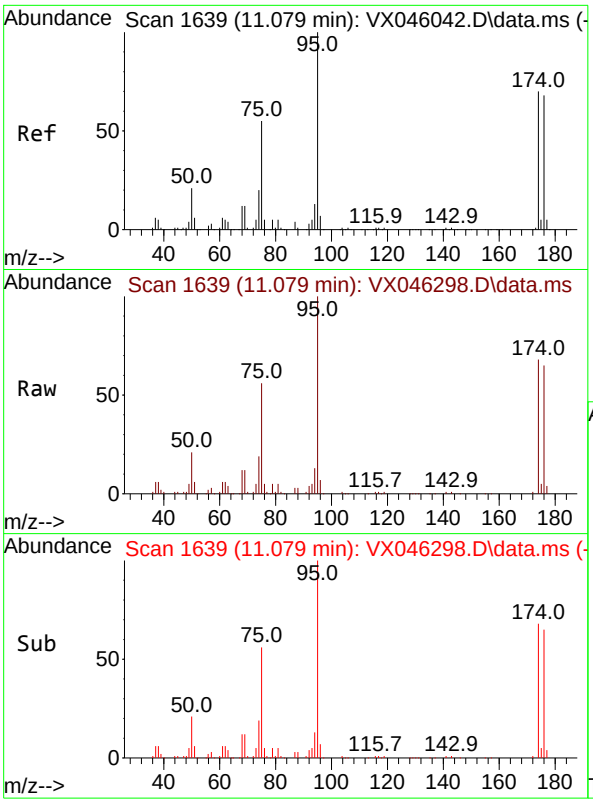


#50
Toluene-d8
Concen: 49.366 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046298.D
Acq: 21 May 2025 15:29

Tgt Ion: 98 Resp: 160017

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.5	80.3



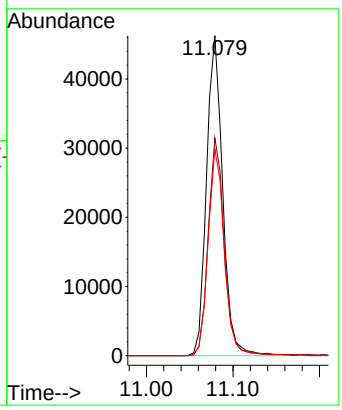


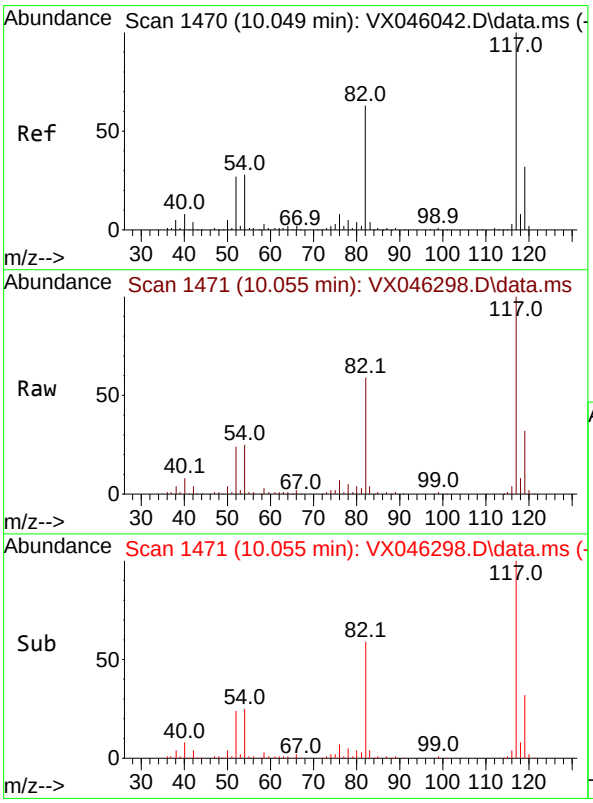
#62
4-Bromofluorobenzene
Concen: 48.249 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046298.D
Acq: 21 May 2025 15:29

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-280-282

Tgt Ion: 95 Resp: 59992

Ion	Ratio	Lower	Upper
95	100		
174	67.7	0.0	135.8
176	64.5	0.0	131.4

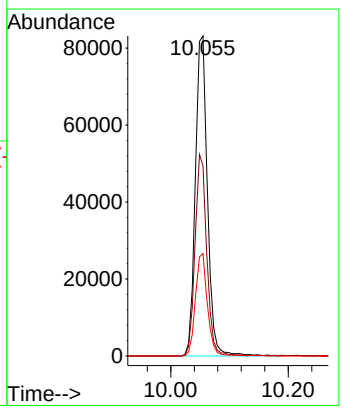


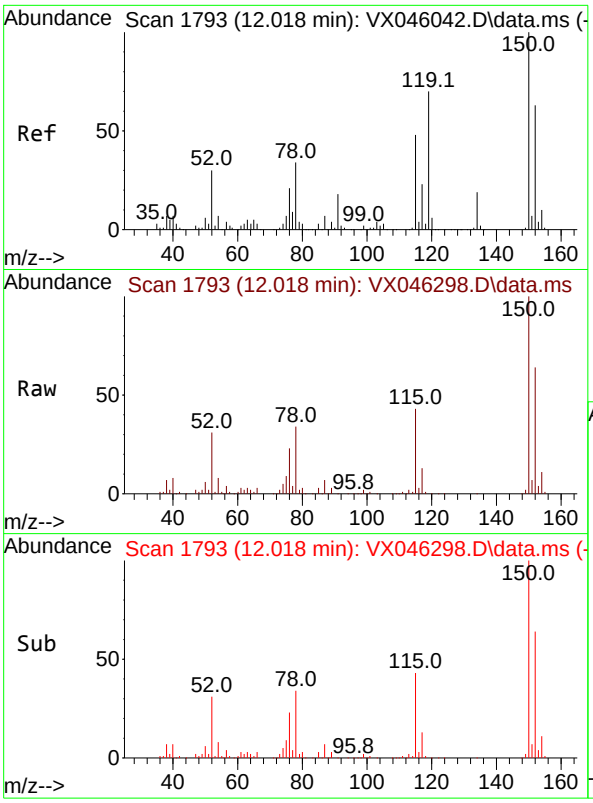


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046298.D
Acq: 21 May 2025 15:29

Tgt Ion:117 Resp: 119143

Ion	Ratio	Lower	Upper
117	100		
82	59.3	50.6	76.0
119	32.0	25.8	38.6



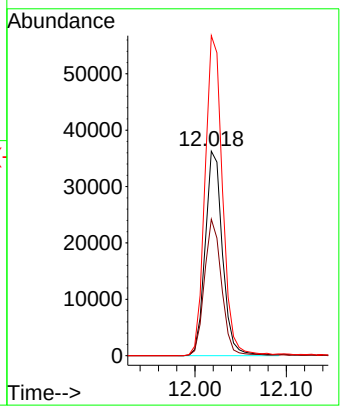


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046298.D
Acq: 21 May 2025 15:29

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-280-282

Tgt Ion:152 Resp: 47547

Ion	Ratio	Lower	Upper
152	100		
115	66.0	46.9	140.7
150	157.8	0.0	351.0



Sample Results: **VX046298.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046298.D
Acq On : 21 May 2025 15:29
Operator : JC/MD
Sample : Q2082-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-280-282

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046298.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	19	rVB	28676	28855	6.41%	1.196%
2	1.367	41	46	54	rVB3	9405	14438	3.21%	0.599%
3	1.587	71	82	86	rVB4	4473	11486	2.55%	0.476%
4	2.385	207	213	220	rVB	2505	4543	1.01%	0.188%
5	5.385	694	705	721	rBV2	53542	160419	35.63%	6.650%
6	5.550	721	732	748	rVB	75317	218616	48.55%	9.063%
7	5.952	789	798	820	rBV	62471	169375	37.62%	7.021%
8	6.757	919	930	944	rBV	136451	328151	72.88%	13.604%
9	8.647	1233	1240	1256	rBV	289583	450249	100.00%	18.665%
10	10.049	1465	1470	1490	rBV	283409	404850	89.92%	16.783%
11	11.079	1634	1639	1657	rBV	225854	295275	65.58%	12.241%
12	12.018	1788	1793	1807	rBV	254509	325994	72.40%	13.514%

Sum of corrected areas: 2412251

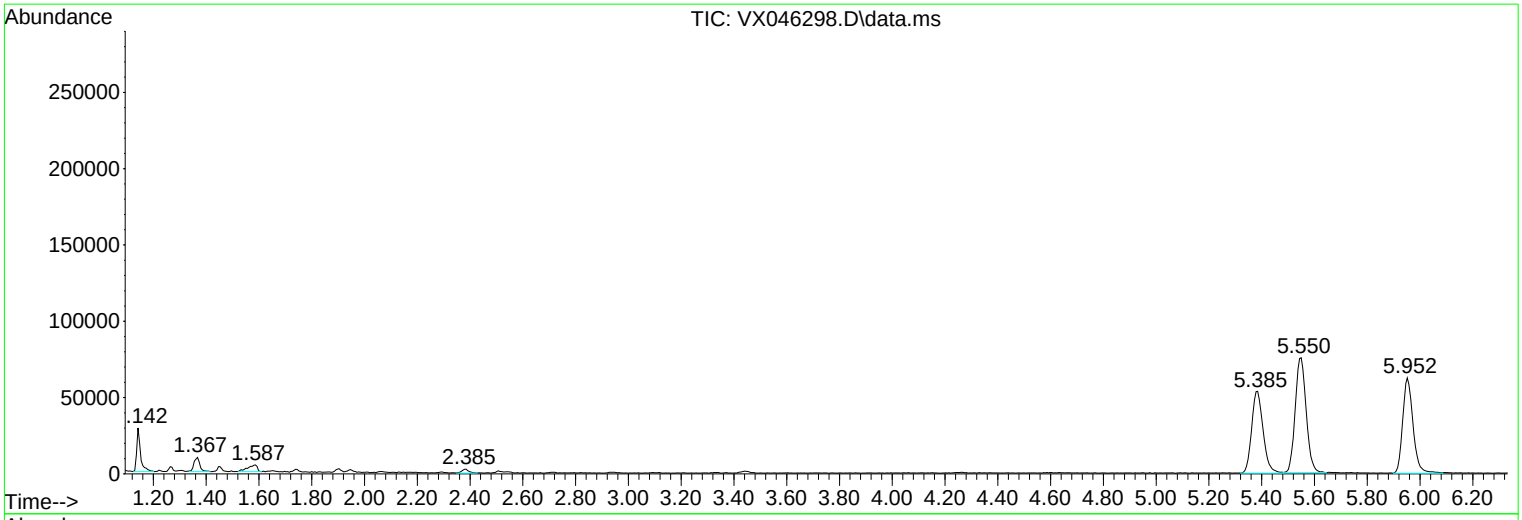
Sample Results: **VX046298.D**

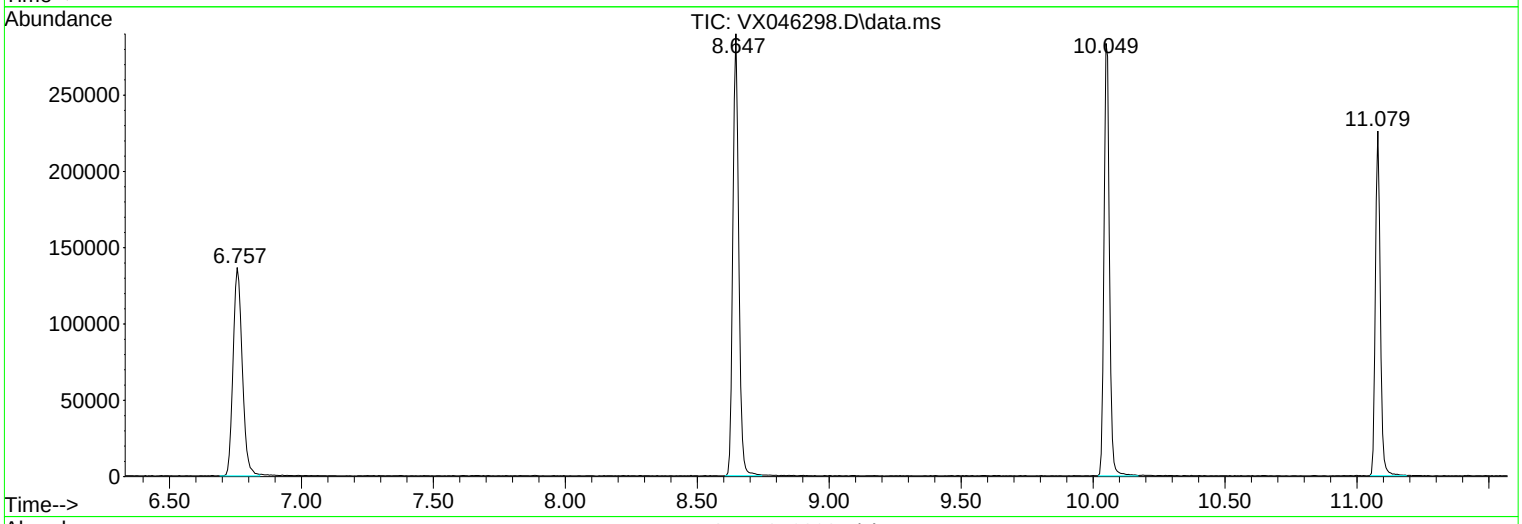
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046298.D
Acq On : 21 May 2025 15:29
Operator : JC/MD
Sample : Q2082-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

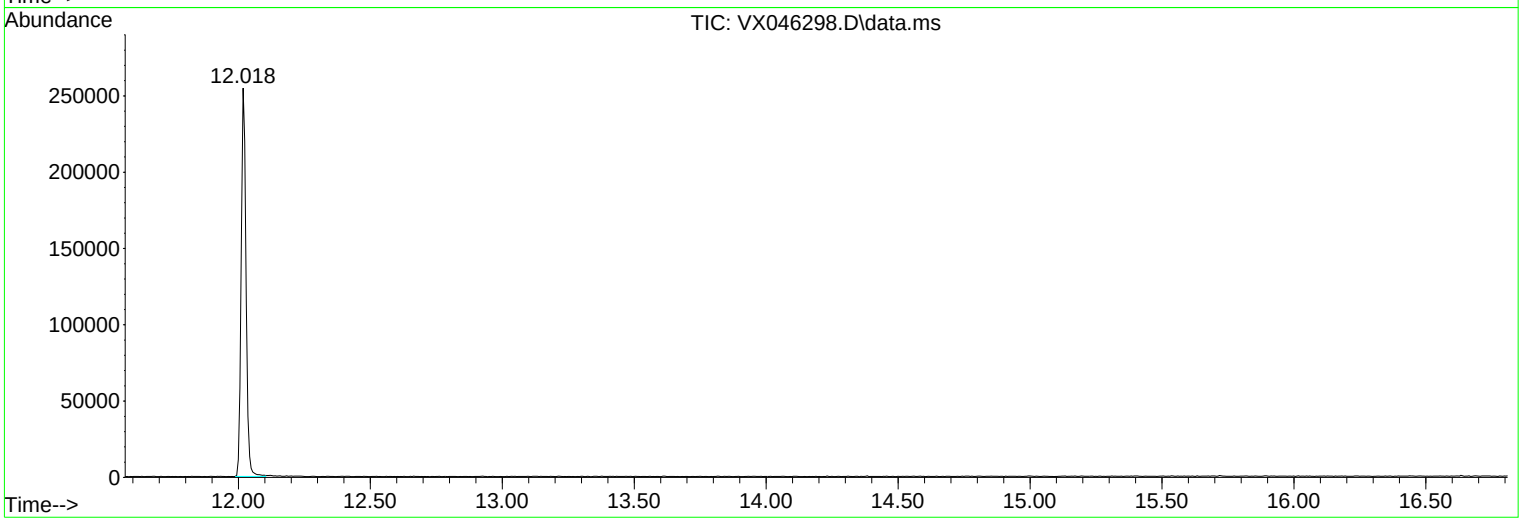
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-280-282

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046298.D
Acq On : 21 May 2025 15:29
Operator : JC/MD
Sample : Q2082-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-280-282

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046298.D
Acq On : 21 May 2025 15:29
Operator : JC/MD
Sample : Q2082-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-280-282

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-300-302	SDG No.:	Q2082
Lab Sample ID:	Q2082-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046295.D	1		05/21/25 14:19	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	7.70		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-300-302	SDG No.:	Q2082
Lab Sample ID:	Q2082-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046295.D	1		05/21/25 14:19	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.7		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	76300	5.544				
540-36-3	1,4-Difluorobenzene	151000	6.757				
3114-55-4	Chlorobenzene-d5	140000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	58700	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/15/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-300-302	SDG No.:	Q2082
Lab Sample ID:	Q2082-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046295.D	1		05/21/25 14:19	VX052125

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\VX052125\
Data File : VX046295.D
Acq On : 21 May 2025 14:19
Operator : JC/MD
Sample : Q2082-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-300-302

Quant Time: May 22 01:49:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

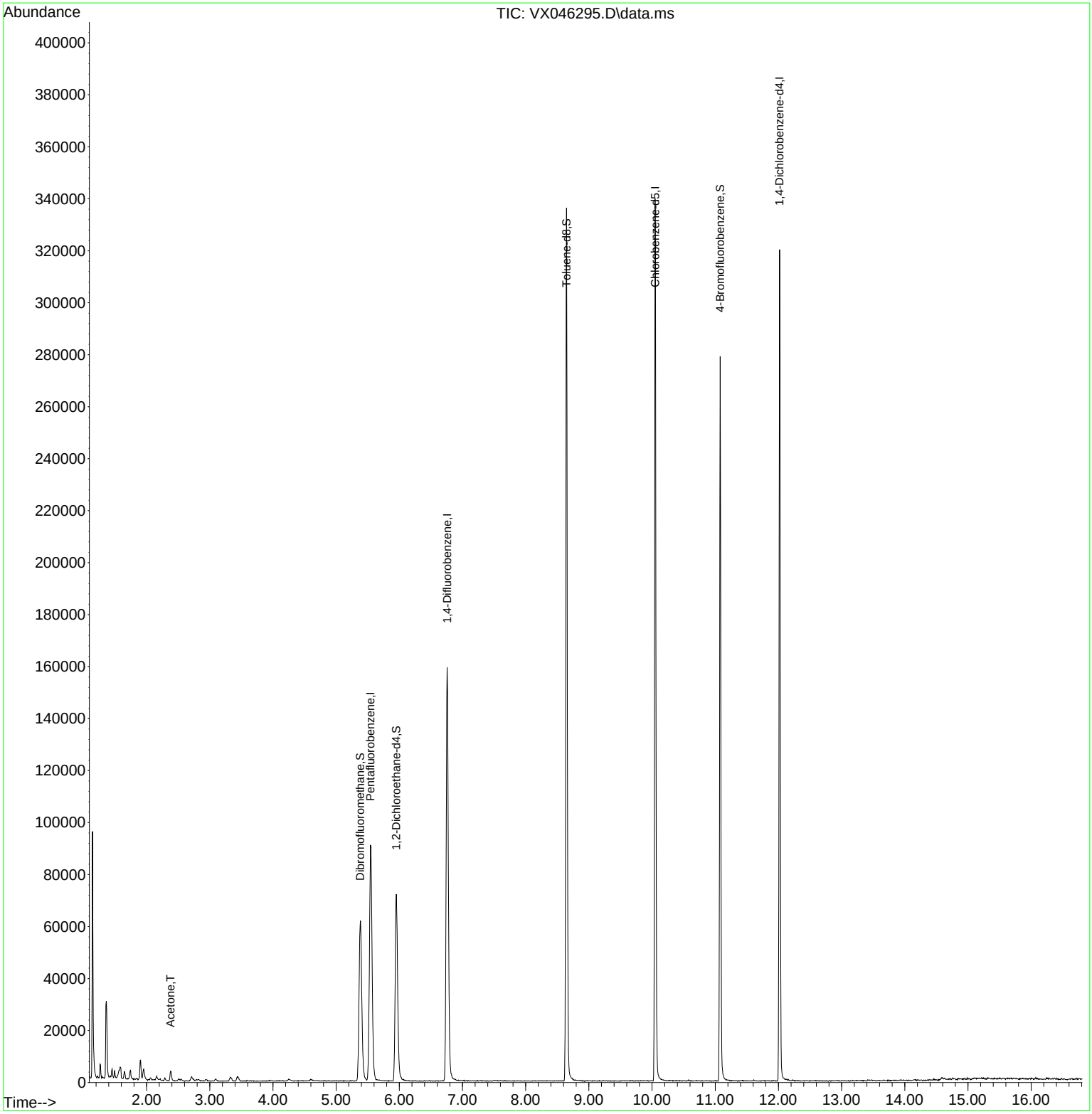
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	76265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	151412	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74947	52.712	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.420%			
35) Dibromofluoromethane	5.379	113	54679	50.149	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.300%			
50) Toluene-d8	8.647	98	190308	50.429	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.860%			
62) 4-Bromofluorobenzene	11.079	95	73804	50.985	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.980%			
Target Compounds						Qvalue
16) Acetone	2.380	43	4409	7.734	ug/l	99

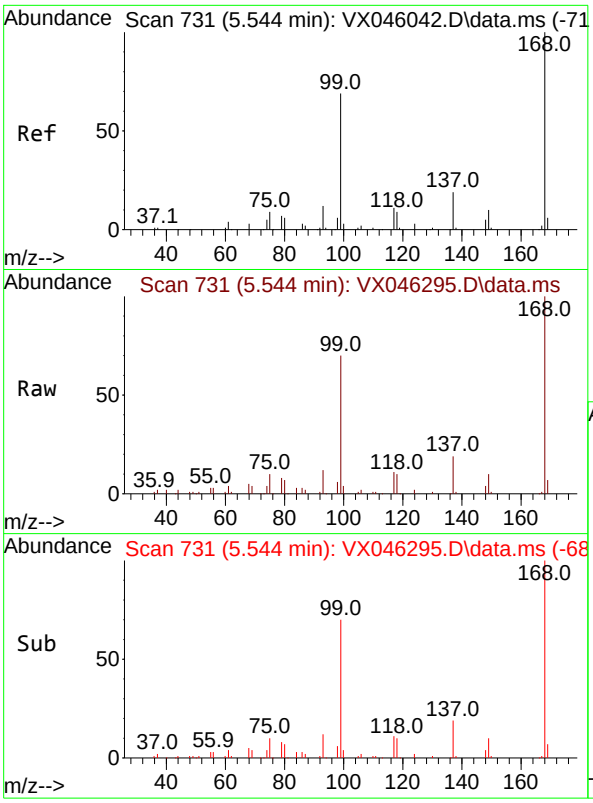
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046295.D
Acq On : 21 May 2025 14:19
Operator : JC/MD
Sample : Q2082-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-300-302

Quant Time: May 22 01:49:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



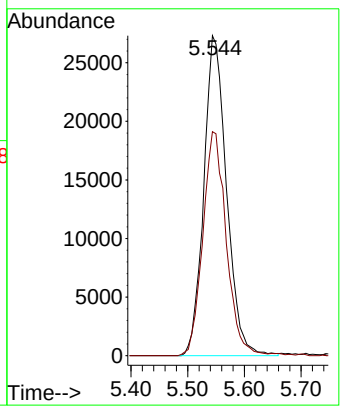


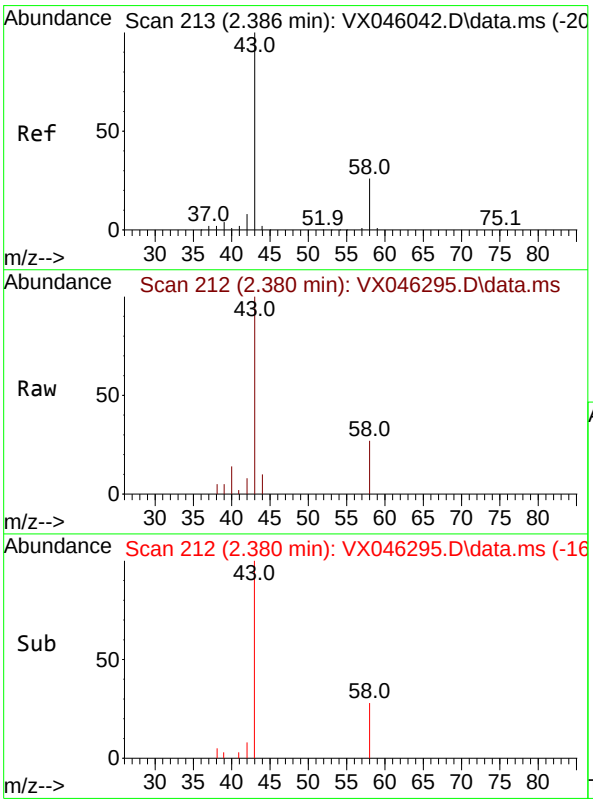
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046295.D
Acq: 21 May 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-300-302

Tgt Ion:168 Resp: 76265

Ion	Ratio	Lower	Upper
168	100		
99	70.0	54.9	82.3

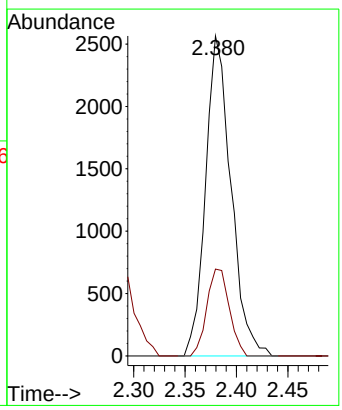


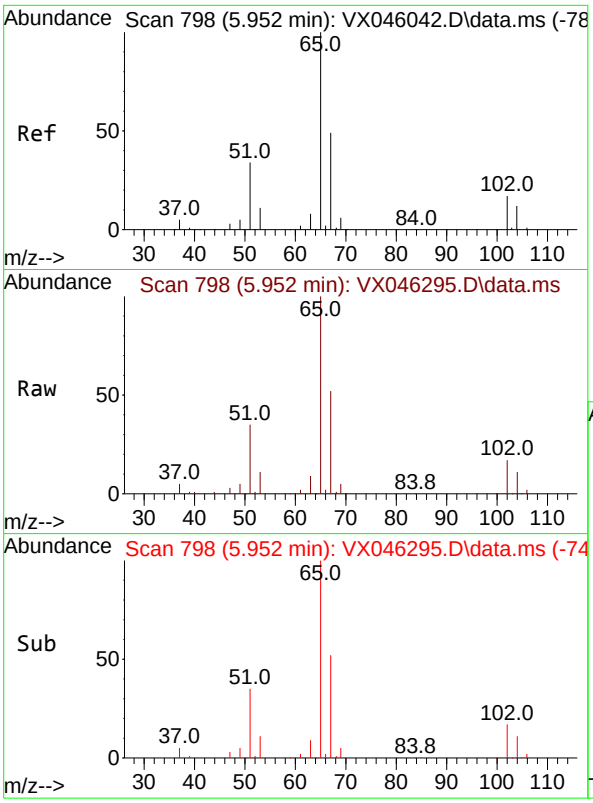


#16
Acetone
Concen: 7.734 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046295.D
Acq: 21 May 2025 14:19

Tgt Ion: 43 Resp: 4409

Ion	Ratio	Lower	Upper
43	100		
58	27.1	21.2	31.8



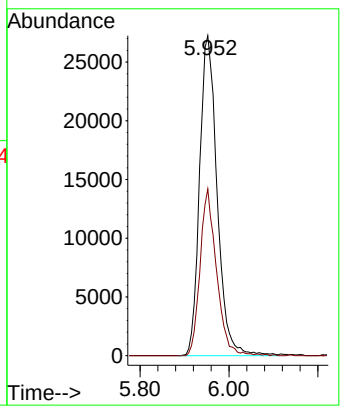


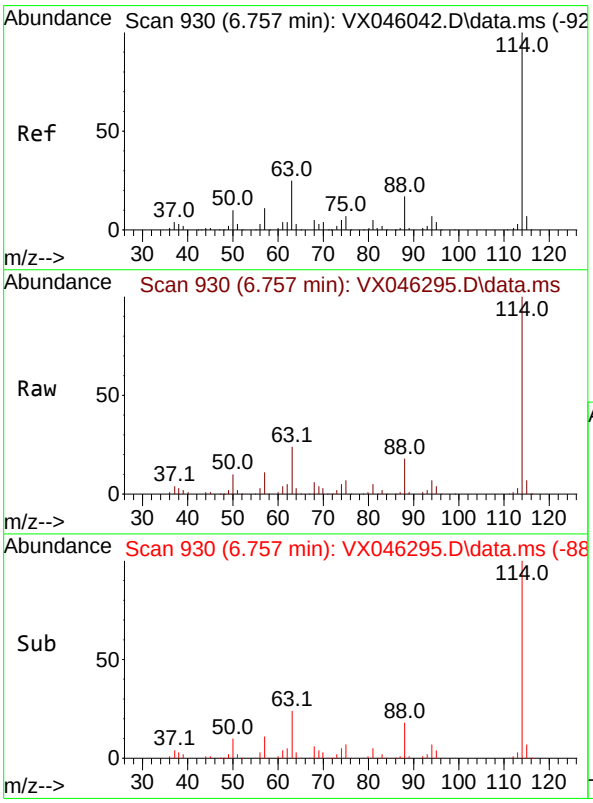
#33
1,2-Dichloroethane-d4
Concen: 52.712 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046295.D
Acq: 21 May 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-300-302

Tgt Ion: 65 Resp: 74947

Ion	Ratio	Lower	Upper
65	100		
67	48.9	0.0	99.0

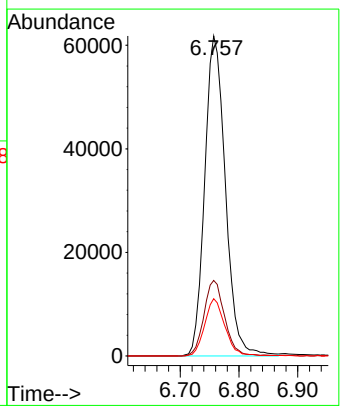


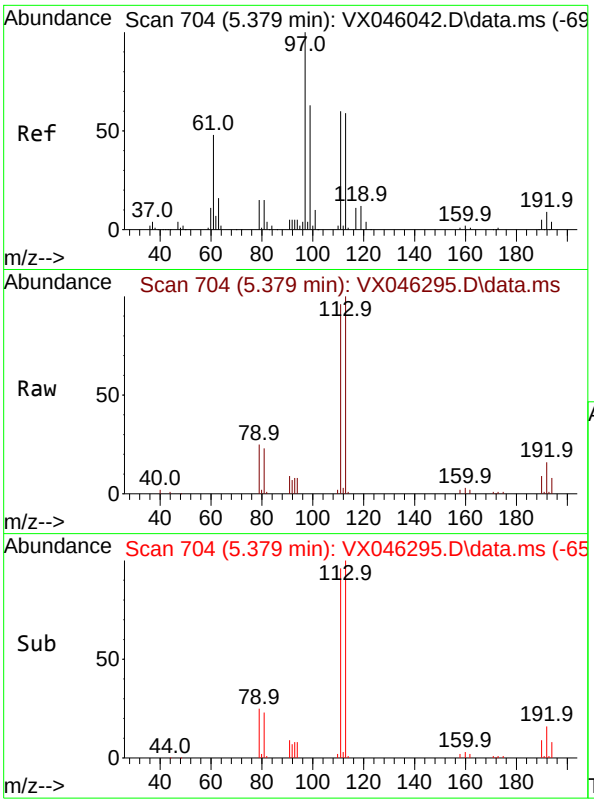


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046295.D
Acq: 21 May 2025 14:19

Tgt Ion:114 Resp: 151412

Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	49.2
88	17.9	0.0	33.6



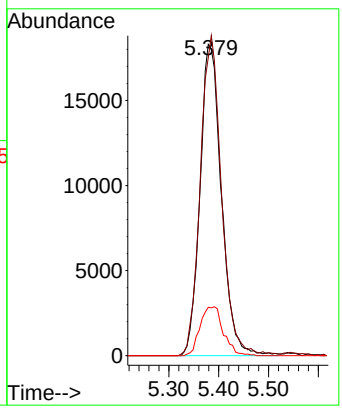


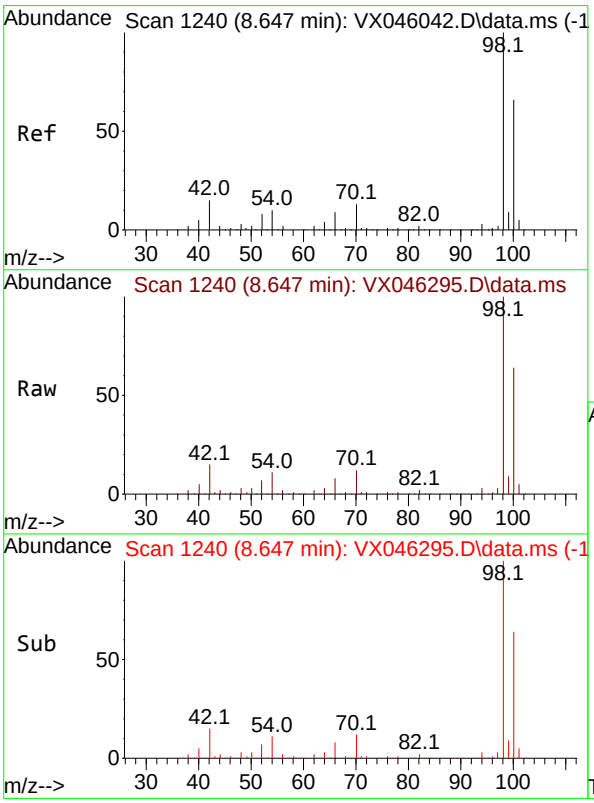
#35
Dibromofluoromethane
Concen: 50.149 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046295.D
Acq: 21 May 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-300-302

Tgt Ion:113 Resp: 54679

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.1	124.7
192	17.1	13.3	19.9

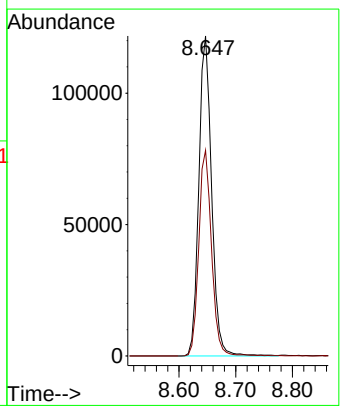


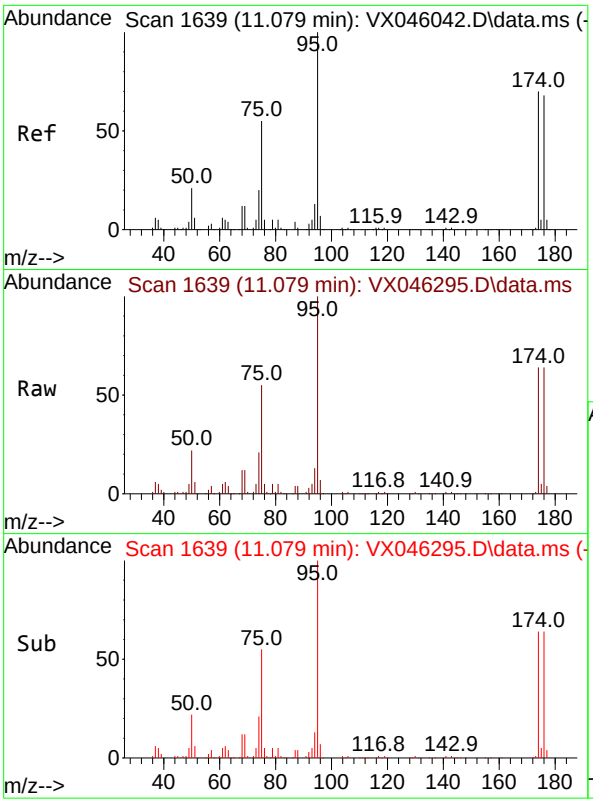


#50
Toluene-d8
Concen: 50.429 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046295.D
Acq: 21 May 2025 14:19

Tgt Ion: 98 Resp: 190308

Ion	Ratio	Lower	Upper
98	100		
100	64.3	53.5	80.3



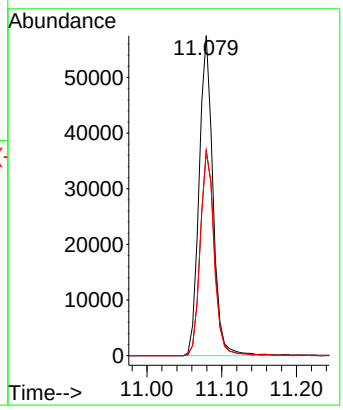


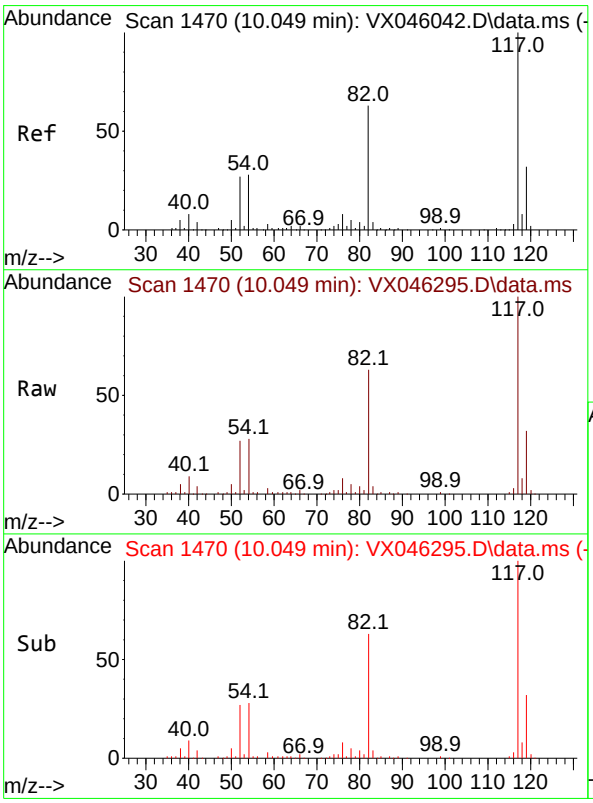
#62
4-Bromofluorobenzene
Concen: 50.985 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046295.D
Acq: 21 May 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-300-302

Tgt Ion: 95 Resp: 73804

Ion	Ratio	Lower	Upper
95	100		
174	65.2	0.0	135.8
176	63.9	0.0	131.4

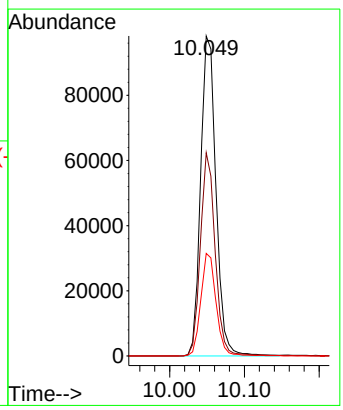


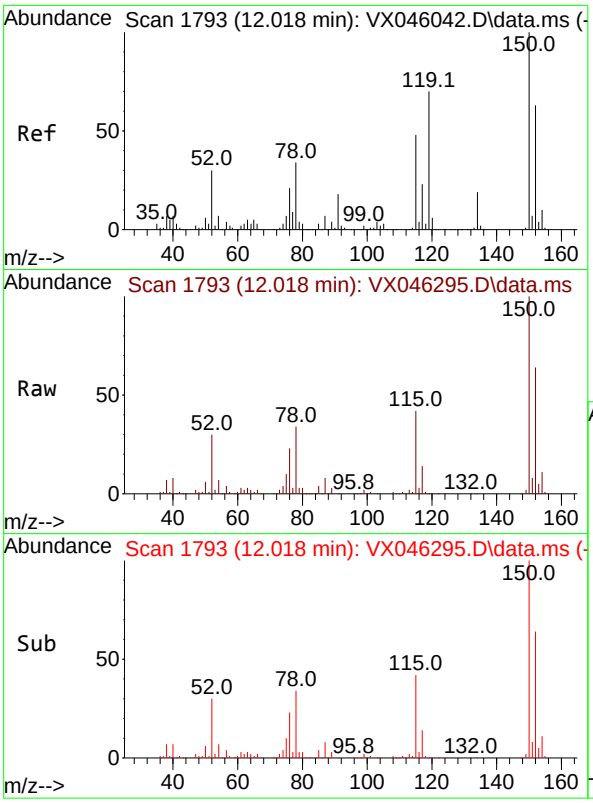


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046295.D
Acq: 21 May 2025 14:19

Tgt Ion:117 Resp: 140047

Ion	Ratio	Lower	Upper
117	100		
82	63.5	50.6	76.0
119	32.0	25.8	38.6



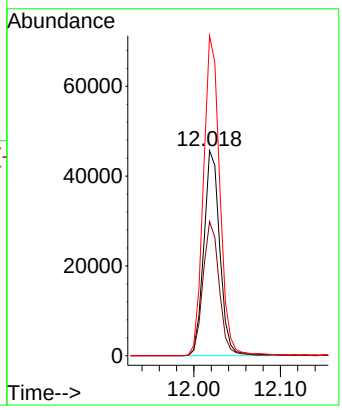


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046295.D
Acq: 21 May 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-300-302

Tgt Ion:152 Resp: 58719

Ion	Ratio	Lower	Upper
152	100		
115	66.3	46.9	140.7
150	159.2	0.0	351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046295.D
Acq On : 21 May 2025 14:19
Operator : JC/MD
Sample : Q2082-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-300-302

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046295.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	20	rVB	94812	91685	17.28%	3.087%
2	1.264	26	29	33	rVB2	5218	5472	1.03%	0.184%
3	1.361	41	45	52	rBV2	29582	45021	8.48%	1.516%
4	1.581	72	81	85	rVV2	4254	10571	1.99%	0.356%
5	1.904	127	134	138	rBV	7672	11614	2.19%	0.391%
6	1.953	138	142	152	rVB4	4372	9100	1.71%	0.306%
7	2.380	208	212	221	rVB	3772	6621	1.25%	0.223%
8	5.385	693	705	721	rBV2	61661	184419	34.75%	6.209%
9	5.544	721	731	745	rVV	90524	256850	48.40%	8.647%
10	5.952	789	798	810	rBV	71889	192831	36.34%	6.492%
11	6.757	921	930	947	rBV	159139	386254	72.79%	13.004%
12	8.647	1233	1240	1257	rBV	335922	530649	100.00%	17.865%
13	10.049	1465	1470	1486	rBV	339410	476662	89.83%	16.048%
14	11.079	1634	1639	1651	rBV	278849	357038	67.28%	12.020%
15	12.018	1788	1793	1808	rBV	319914	405506	76.42%	13.652%

Sum of corrected areas: 2970293

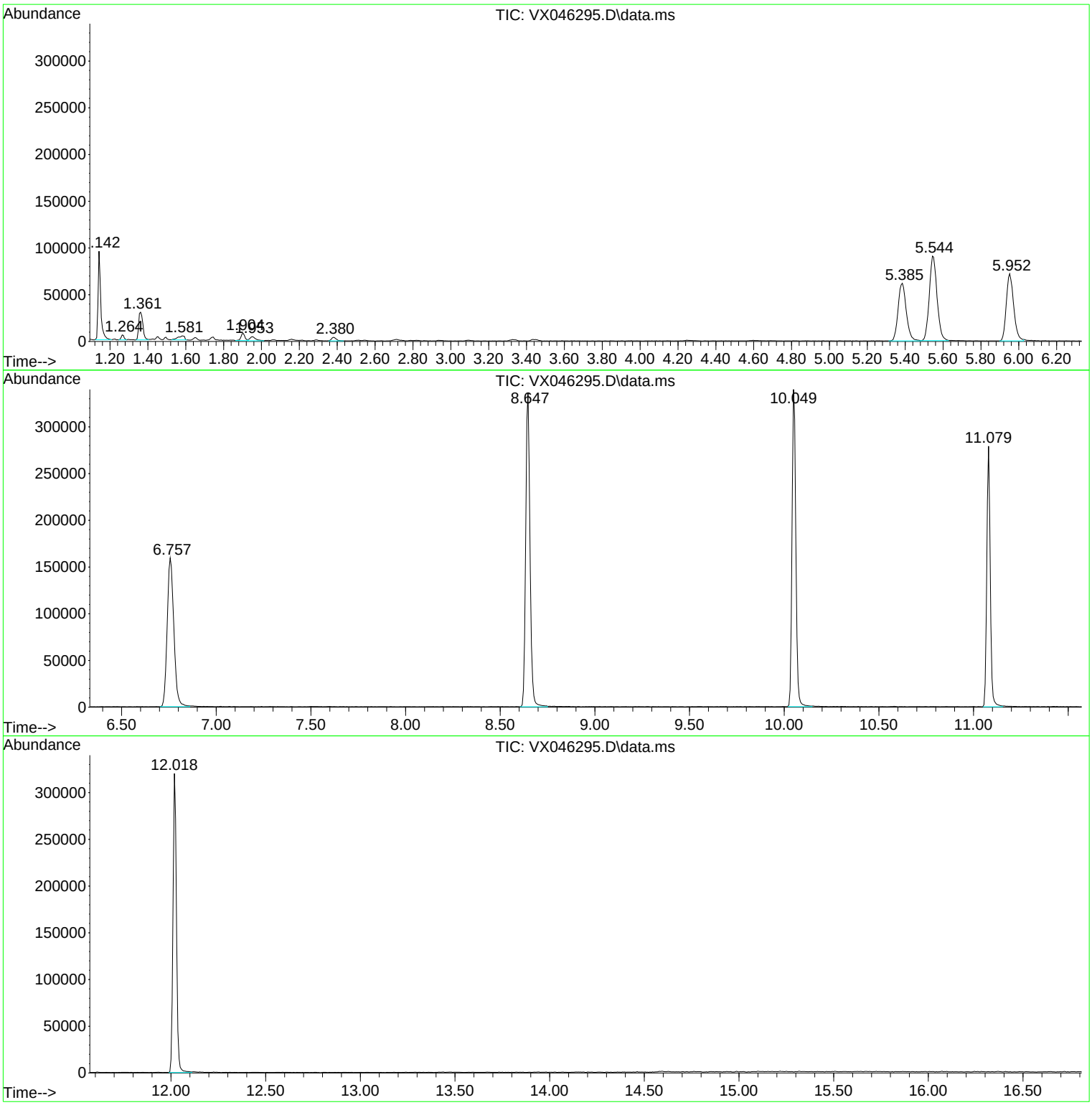
Sample Results: **VX046295.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046295.D
Acq On : 21 May 2025 14:19
Operator : JC/MD
Sample : Q2082-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-300-302

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046295.D
Acq On : 21 May 2025 14:19
Operator : JC/MD
Sample : Q2082-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-300-302

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046295.D
Acq On : 21 May 2025 14:19
Operator : JC/MD
Sample : Q2082-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-300-302

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-320-322	SDG No.:	Q2082
Lab Sample ID:	Q2082-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046299.D	1		05/21/25 15:52	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	6.40		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-320-322	SDG No.:	Q2082
Lab Sample ID:	Q2082-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046299.D	1		05/21/25 15:52	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.3		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	64800	5.55				
540-36-3	1,4-Difluorobenzene	127000	6.757				
3114-55-4	Chlorobenzene-d5	120000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	48500	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-320-322	SDG No.:	Q2082
Lab Sample ID:	Q2082-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046299.D	1		05/21/25 15:52	VX052125

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\VX052125\
Data File : VX046299.D
Acq On : 21 May 2025 15:52
Operator : JC/MD
Sample : Q2082-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-320-322

Quant Time: May 22 01:51:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

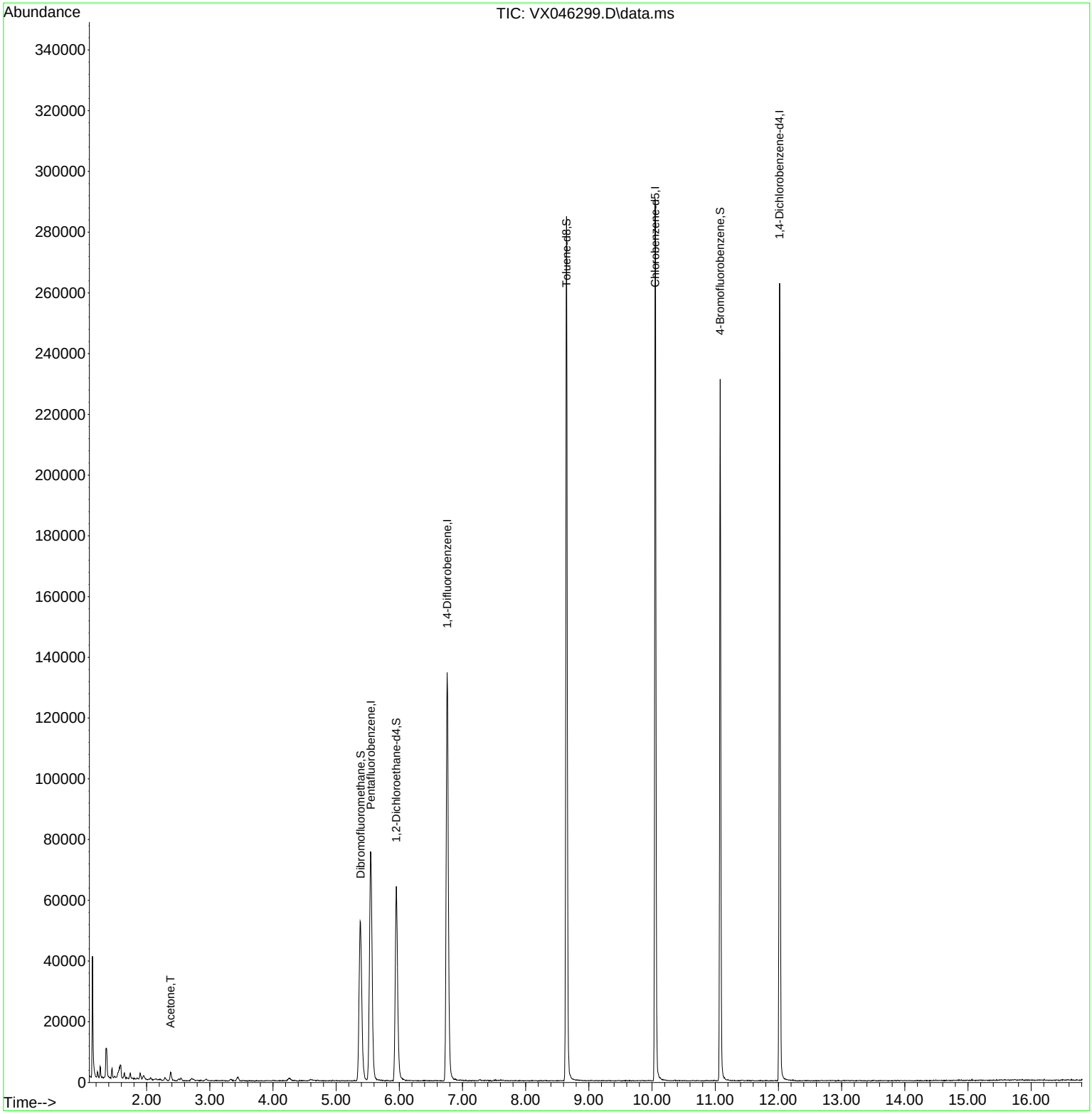
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	64755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127417	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64288	53.252	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.500%			
35) Dibromofluoromethane	5.385	113	46793	50.998	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.000%			
50) Toluene-d8	8.647	98	162006	51.014	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.020%			
62) 4-Bromofluorobenzene	11.079	95	60984	50.062	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.120%			
Target Compounds						Qvalue
16) Acetone	2.380	43	3079	6.361	ug/l	97

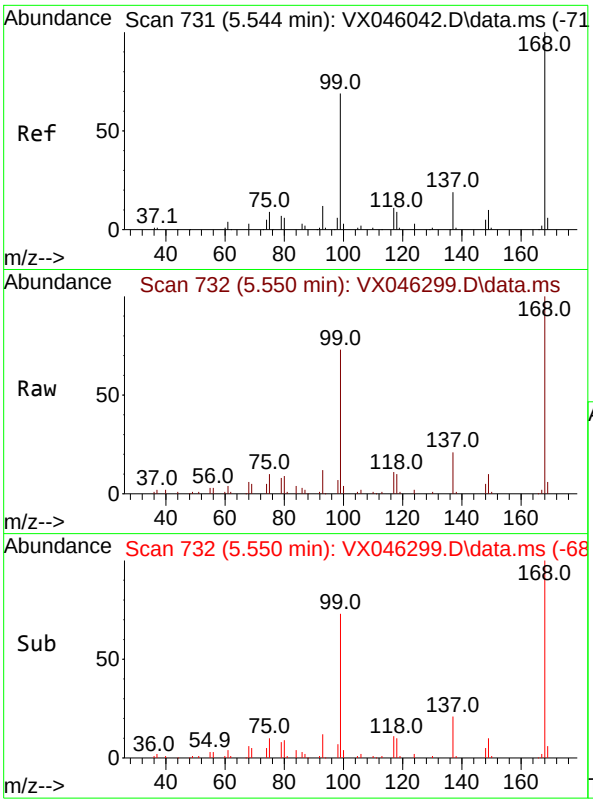
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046299.D
Acq On : 21 May 2025 15:52
Operator : JC/MD
Sample : Q2082-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-320-322

Quant Time: May 22 01:51:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



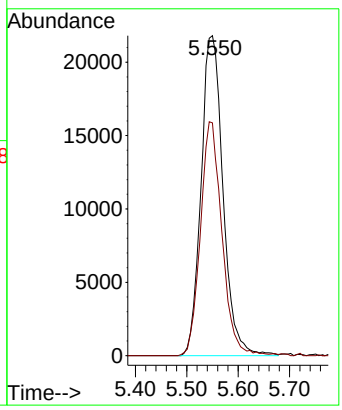


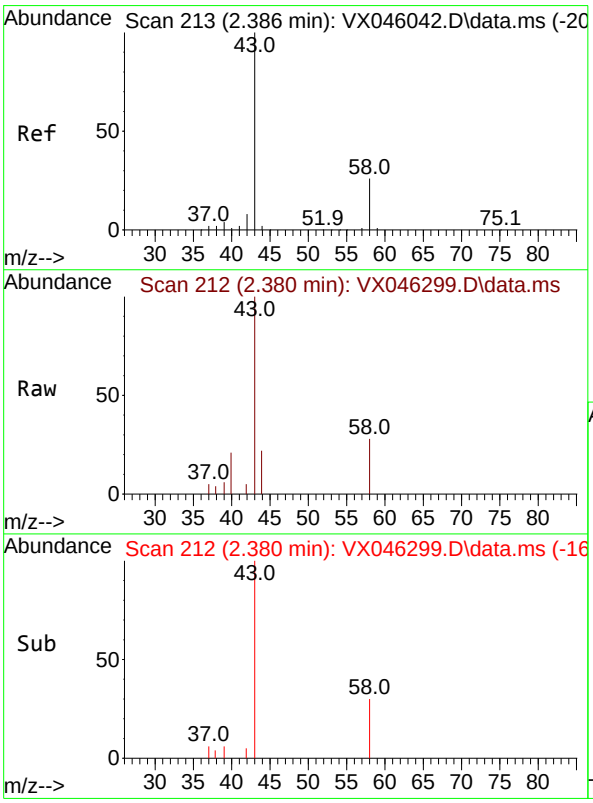
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046299.D
Acq: 21 May 2025 15:52

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-320-322

Tgt Ion:168 Resp: 64755

Ion	Ratio	Lower	Upper
168	100		
99	72.8	54.9	82.3

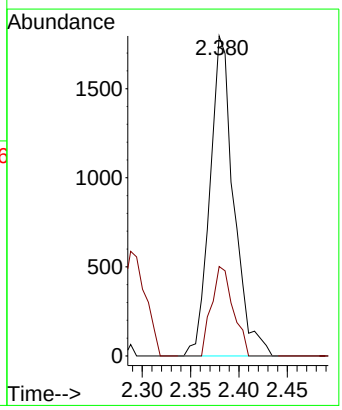


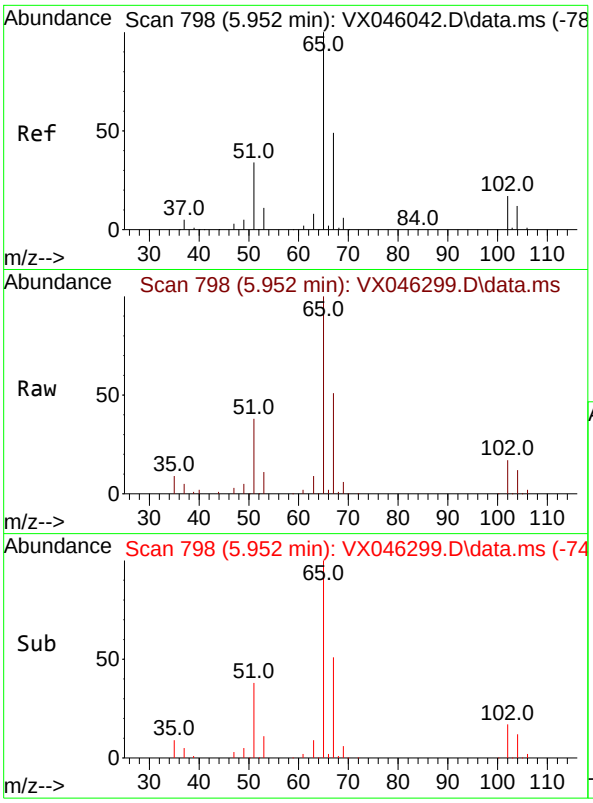


#16
Acetone
Concen: 6.361 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046299.D
Acq: 21 May 2025 15:52

Tgt Ion: 43 Resp: 3079

Ion	Ratio	Lower	Upper
43	100		
58	28.0	21.2	31.8



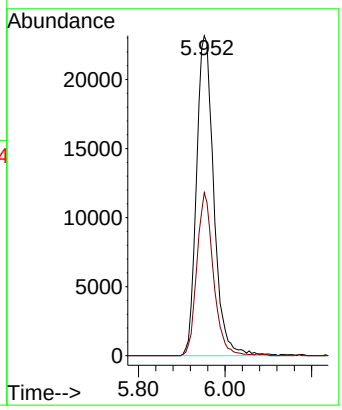


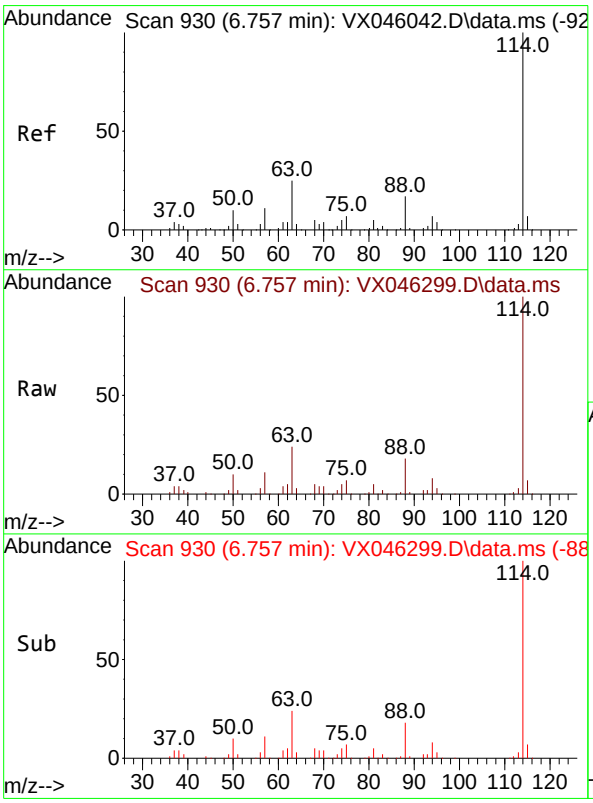
#33
1,2-Dichloroethane-d4
Concen: 53.252 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046299.D
Acq: 21 May 2025 15:52

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-320-322

Tgt Ion: 65 Resp: 64288

Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	99.0

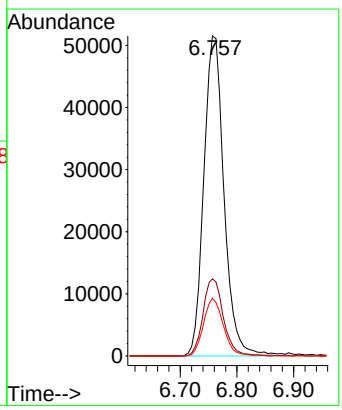


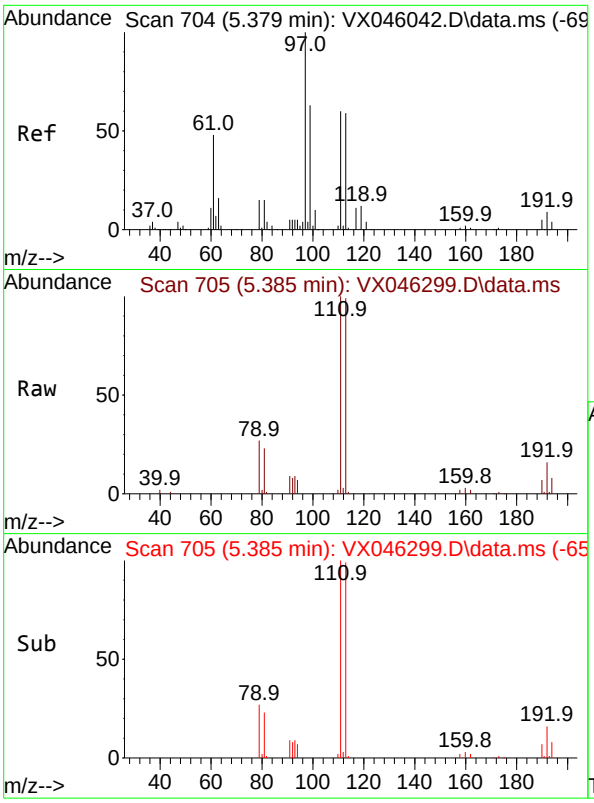


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046299.D
Acq: 21 May 2025 15:52

Tgt Ion:114 Resp: 127417

Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	49.2
88	18.1	0.0	33.6



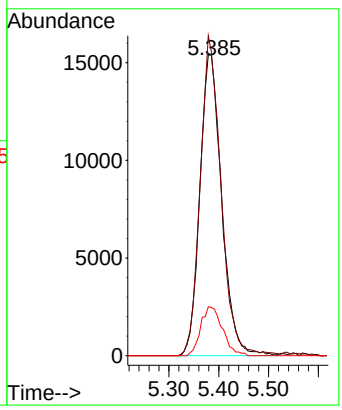


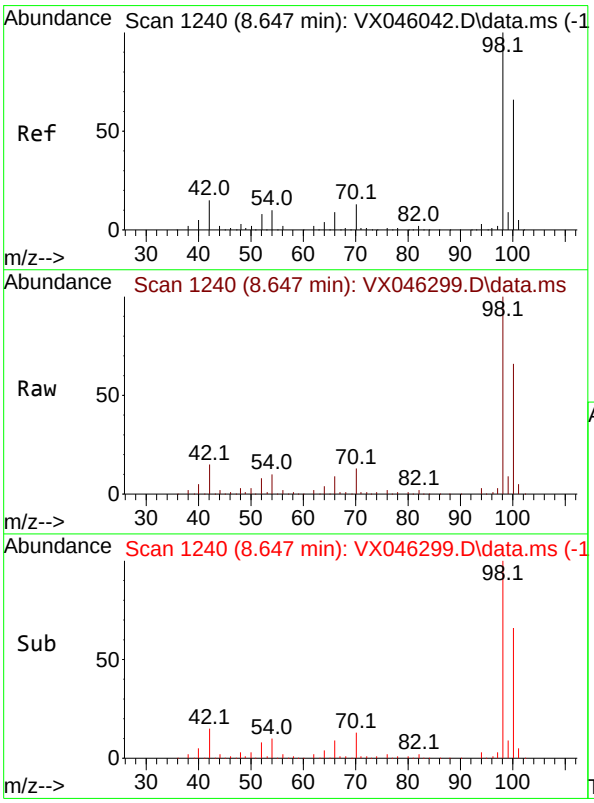
#35
Dibromofluoromethane
Concen: 50.998 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046299.D
Acq: 21 May 2025 15:52

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-320-322

Tgt Ion:113 Resp: 46793

Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.1	124.7
192	16.2	13.3	19.9

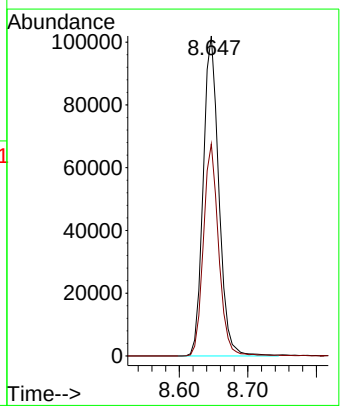


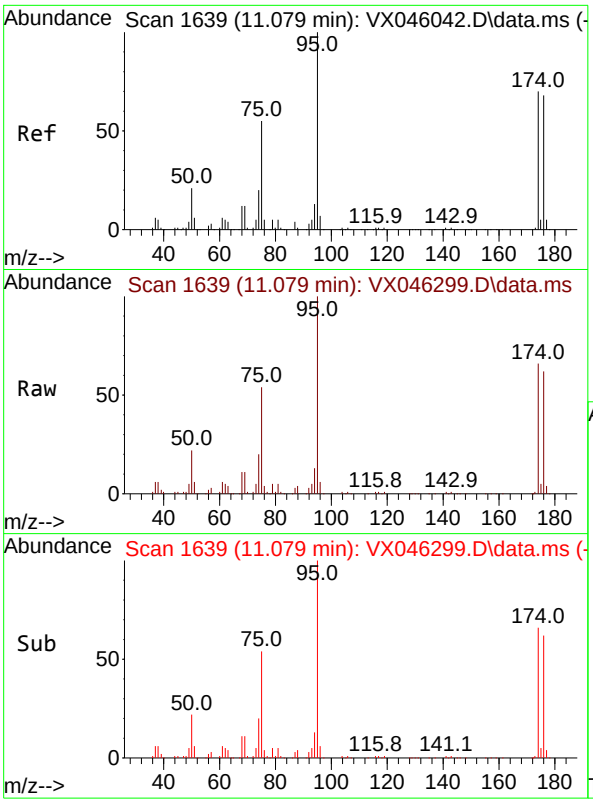


#50
Toluene-d8
Concen: 51.014 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046299.D
Acq: 21 May 2025 15:52

Tgt Ion: 98 Resp: 162006

Ion	Ratio	Lower	Upper
98	100		
100	64.5	53.5	80.3



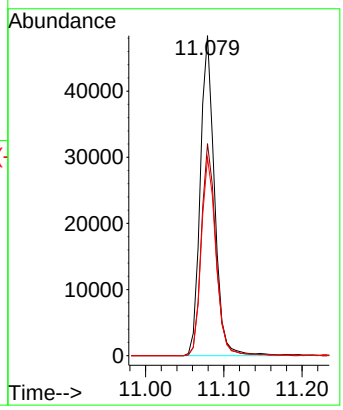


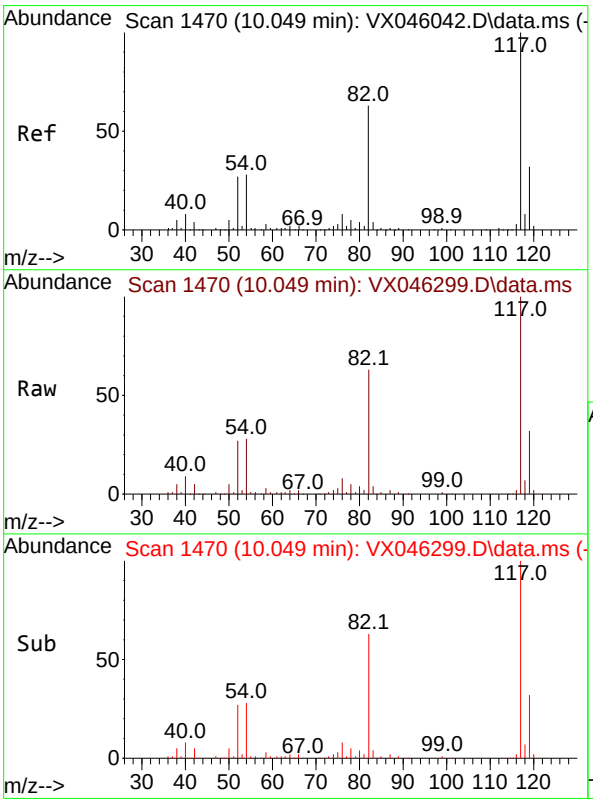
#62
4-Bromofluorobenzene
Concen: 50.062 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046299.D
Acq: 21 May 2025 15:52

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-320-322

Tgt Ion: 95 Resp: 60984

Ion	Ratio	Lower	Upper
95	100		
174	67.6	0.0	135.8
176	64.3	0.0	131.4

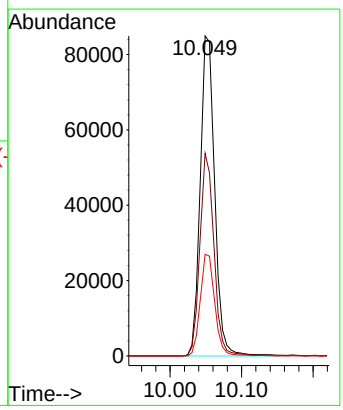


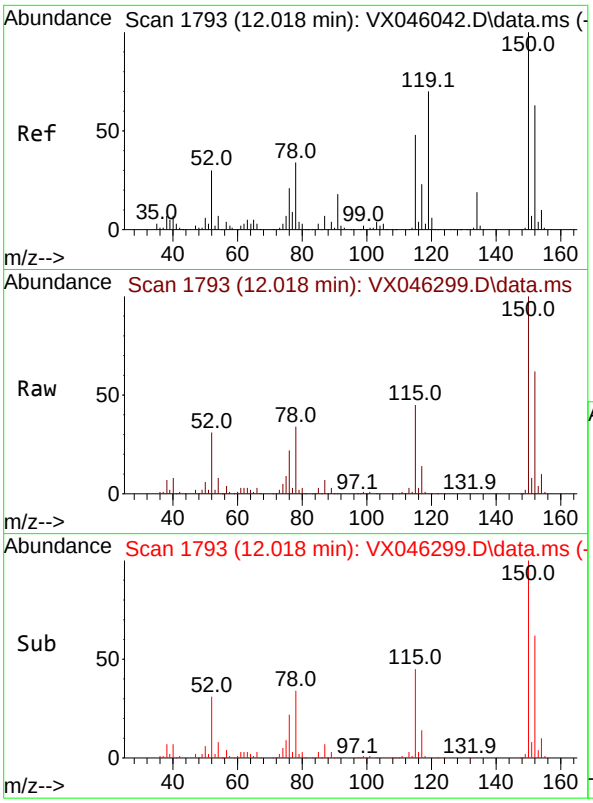


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046299.D
Acq: 21 May 2025 15:52

Tgt Ion:117 Resp: 119598

Ion	Ratio	Lower	Upper
117	100		
82	63.3	50.6	76.0
119	31.7	25.8	38.6



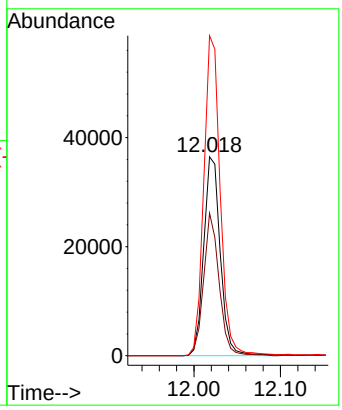


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046299.D
Acq: 21 May 2025 15:52

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-320-322

Tgt Ion:152 Resp: 48477

Ion	Ratio	Lower	Upper
152	100		
115	66.8	46.9	140.7
150	159.1	0.0	351.0



Sample Results: **VX046299.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046299.D
Acq On : 21 May 2025 15:52
Operator : JC/MD
Sample : Q2082-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-320-322

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046299.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	19	rBV	39892	38162	8.45%	1.575%
2	1.361	37	45	52	rBV2	9887	17031	3.77%	0.703%
3	1.581	71	81	86	rVB3	4277	11317	2.51%	0.467%
4	2.380	206	212	217	rBV	2843	4679	1.04%	0.193%
5	5.379	694	704	718	rBV	52597	156565	34.67%	6.463%
6	5.544	721	731	747	rVB	75242	214645	47.53%	8.861%
7	5.952	790	798	812	rBV2	64037	166842	36.94%	6.888%
8	6.757	920	930	946	rBV	134420	325800	72.14%	13.450%
9	8.647	1234	1240	1256	rBV	284298	451596	100.00%	18.643%
10	10.049	1465	1470	1487	rBV	290424	407080	90.14%	16.805%
11	11.079	1634	1639	1649	rBV	230882	294736	65.27%	12.167%
12	12.018	1788	1793	1806	rBV	262623	333912	73.94%	13.785%

Sum of corrected areas: 2422365

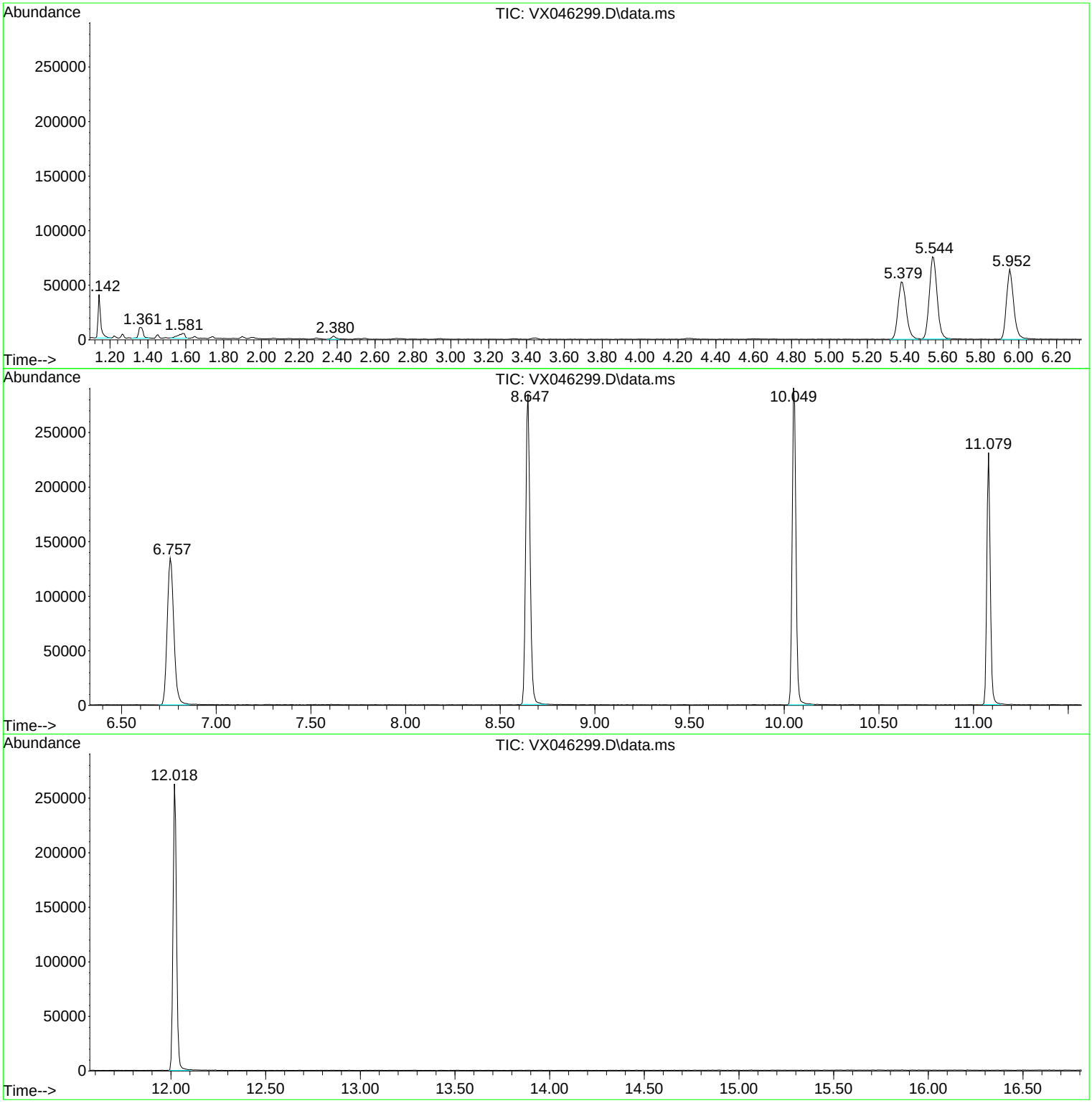
Sample Results: **VX046299.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046299.D
Acq On : 21 May 2025 15:52
Operator : JC/MD
Sample : Q2082-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-320-322

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046299.D
Acq On : 21 May 2025 15:52
Operator : JC/MD
Sample : Q2082-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-320-322

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046299.D
Acq On : 21 May 2025 15:52
Operator : JC/MD
Sample : Q2082-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-320-322

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-360-362	SDG No.:	Q2082
Lab Sample ID:	Q2082-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046300.D	1		05/21/25 16:15	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.60	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-360-362	SDG No.:	Q2082
Lab Sample ID:	Q2082-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046300.D	1		05/21/25 16:15	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.2		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.3		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		85 - 114		98%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	65100	5.55				
540-36-3	1,4-Difluorobenzene	131000	6.757				
3114-55-4	Chlorobenzene-d5	120000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	50200	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-360-362	SDG No.:	Q2082
Lab Sample ID:	Q2082-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046300.D	1		05/21/25 16:15	VX052125

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\VX052125\
Data File : VX046300.D
Acq On : 21 May 2025 16:15
Operator : JC/MD
Sample : Q2082-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-360-362

Quant Time: May 22 01:51:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

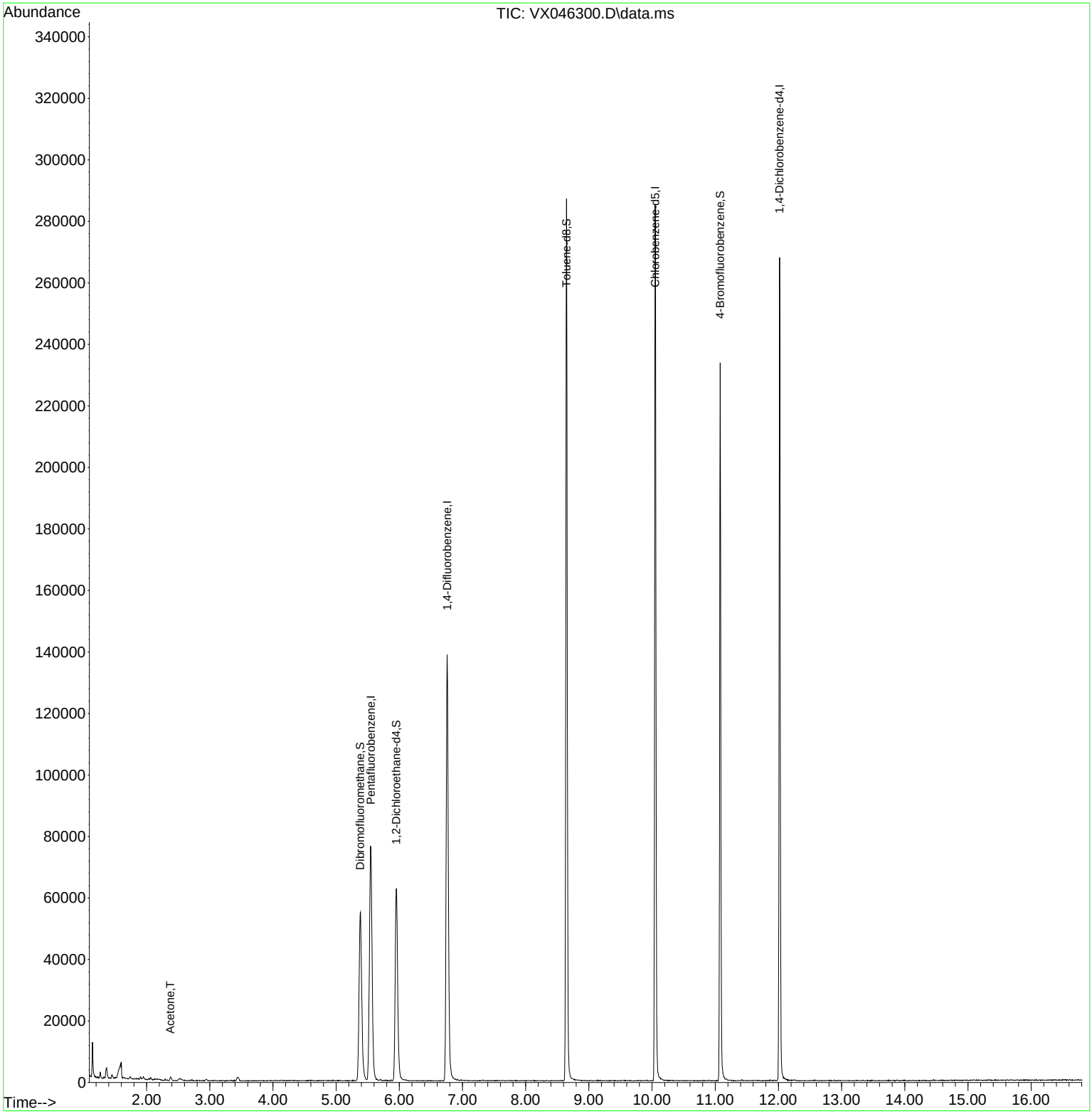
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	65131	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131317	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64595	53.197	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.400%			
35) Dibromofluoromethane	5.379	113	47275	49.994	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.980%			
50) Toluene-d8	8.647	98	161210	49.256	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.520%			
62) 4-Bromofluorobenzene	11.079	95	61552	49.028	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.060%			
Target Compounds						Qvalue
16) Acetone	2.374	43	1268	2.604	ug/l #	75

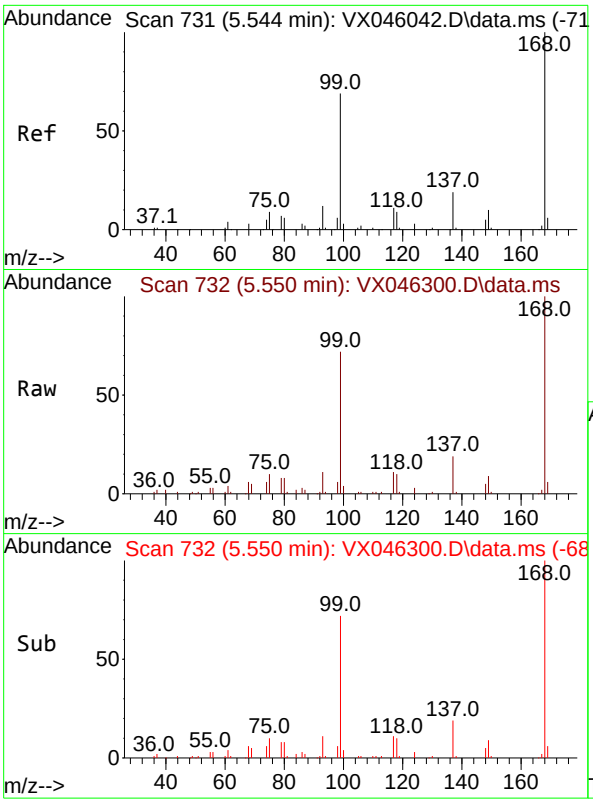
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046300.D
Acq On : 21 May 2025 16:15
Operator : JC/MD
Sample : Q2082-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-360-362

Quant Time: May 22 01:51:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



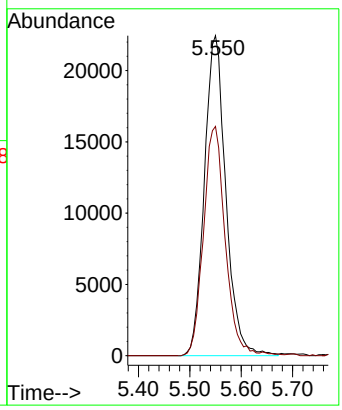


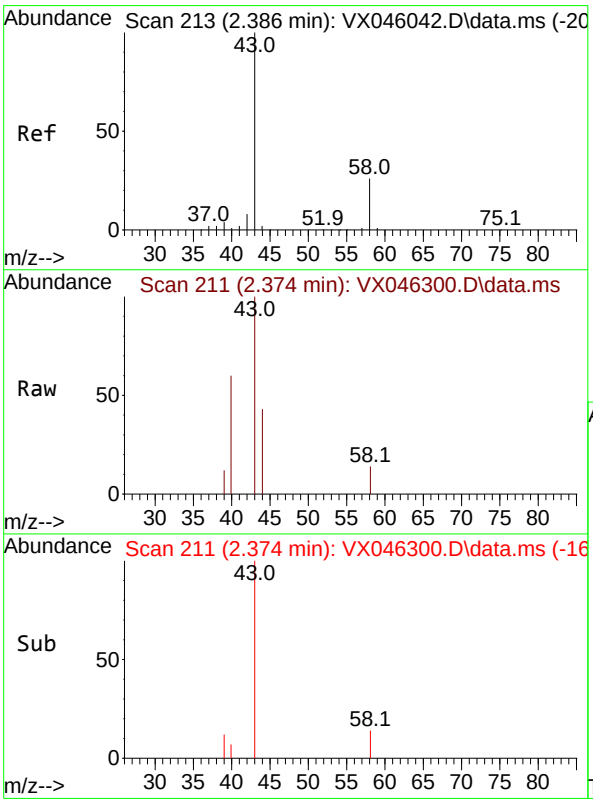
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046300.D
Acq: 21 May 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-360-362

Tgt Ion:168 Resp: 65131

Ion	Ratio	Lower	Upper
168	100		
99	71.6	54.9	82.3

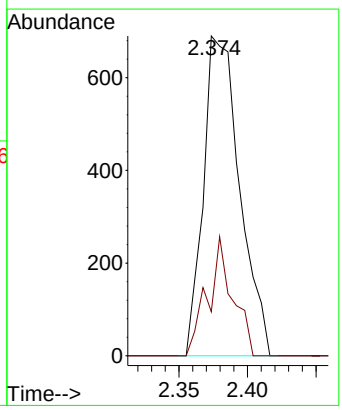


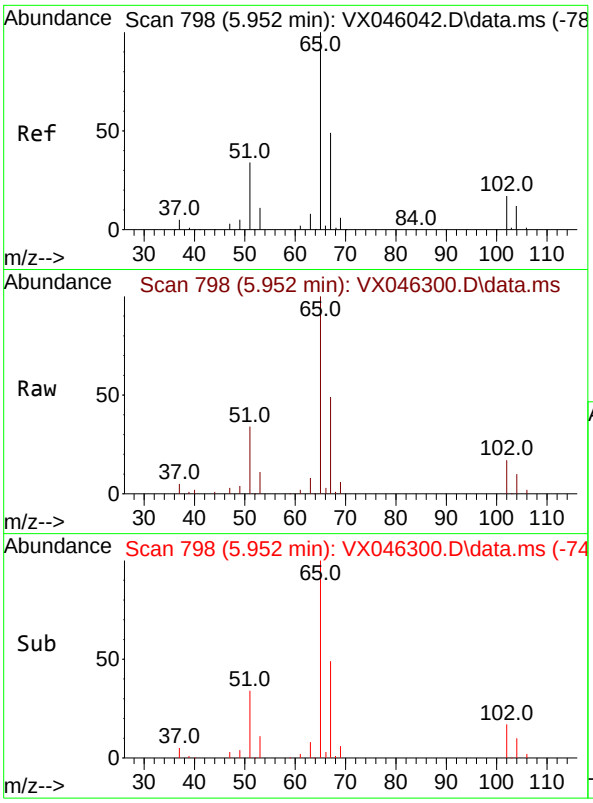


#16
Acetone
Concen: 2.604 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.012 min
Lab File: VX046300.D
Acq: 21 May 2025 16:15

Tgt Ion: 43 Resp: 1268

Ion	Ratio	Lower	Upper
43	100		
58	13.8	21.2	31.8#



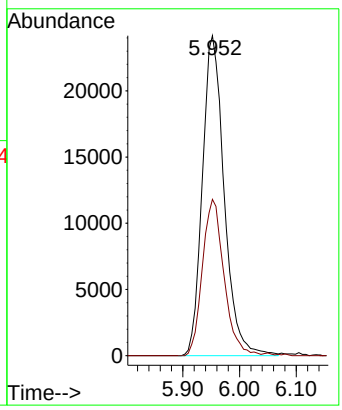


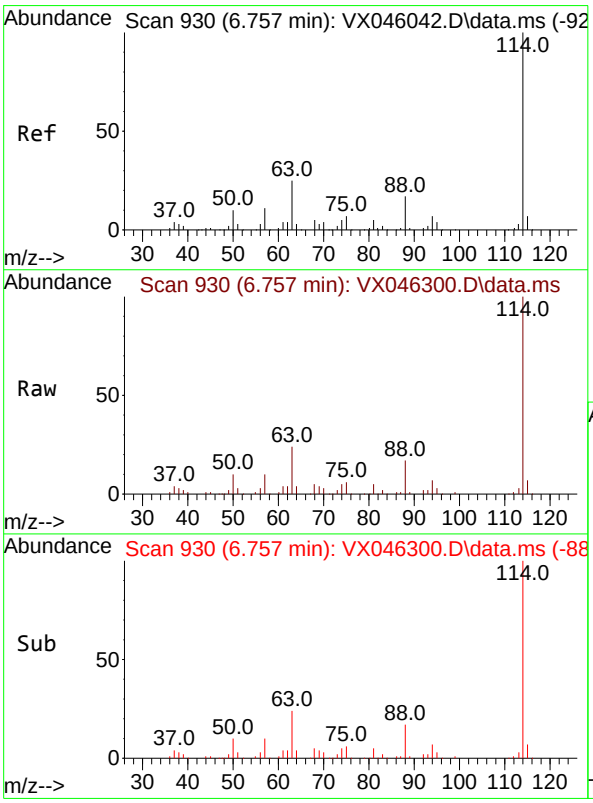
#33
1,2-Dichloroethane-d4
Concen: 53.197 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046300.D
Acq: 21 May 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-360-362

Tgt Ion: 65 Resp: 64595

Ion	Ratio	Lower	Upper
65	100		
67	48.3	0.0	99.0

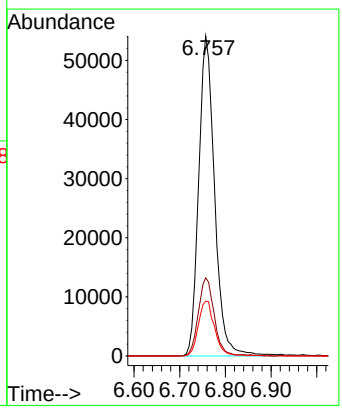


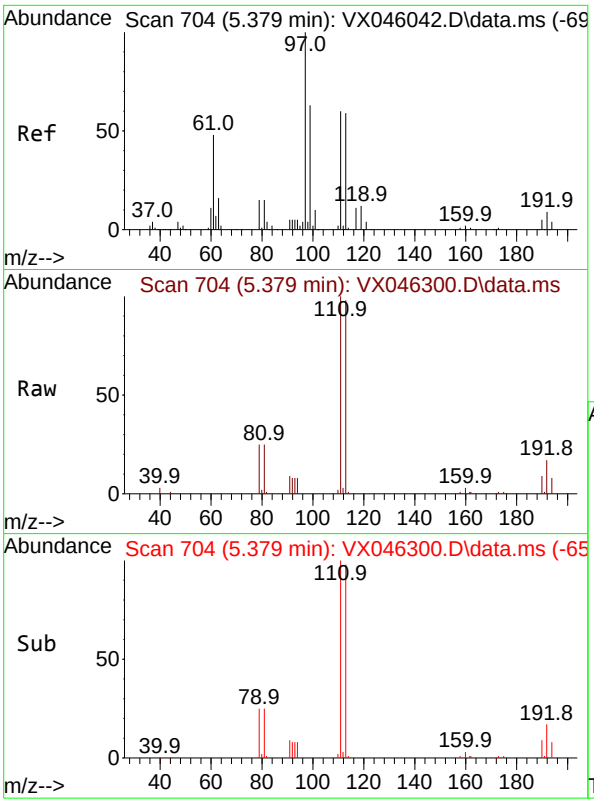


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046300.D
Acq: 21 May 2025 16:15

Tgt Ion:114 Resp: 131317

Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	49.2
88	17.2	0.0	33.6



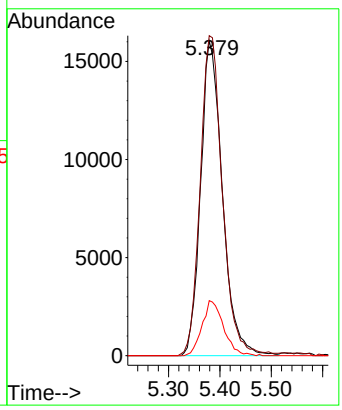


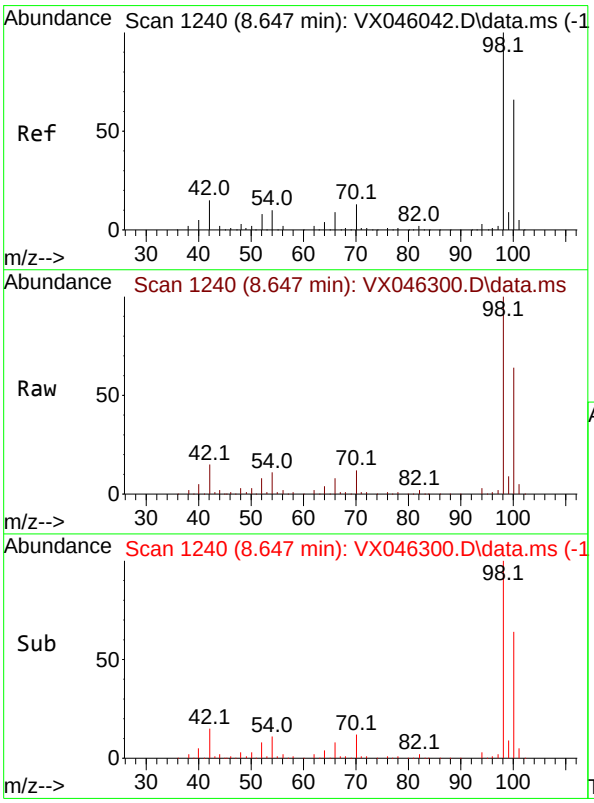
#35
Dibromofluoromethane
Concen: 49.994 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046300.D
Acq: 21 May 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-360-362

Tgt Ion:113 Resp: 47275

Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.1	124.7
192	17.2	13.3	19.9

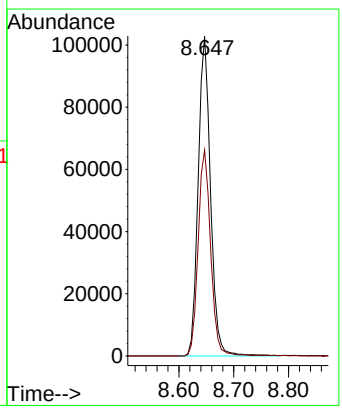


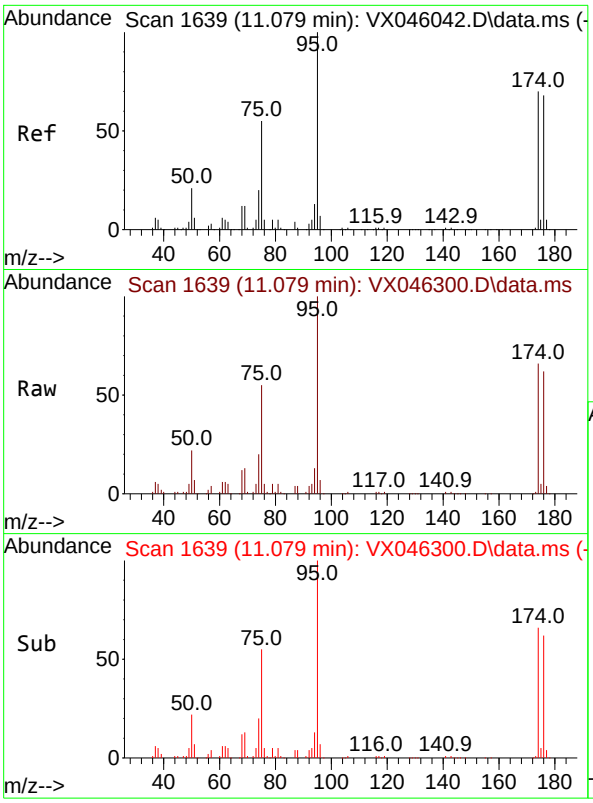


#50
Toluene-d8
Concen: 49.256 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046300.D
Acq: 21 May 2025 16:15

Tgt Ion: 98 Resp: 161210

Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.5	80.3



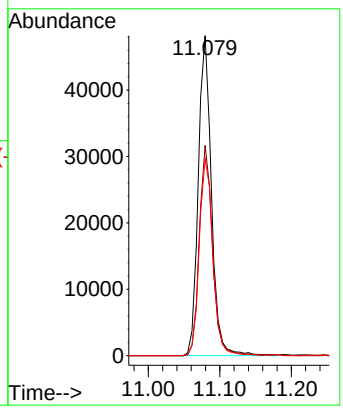


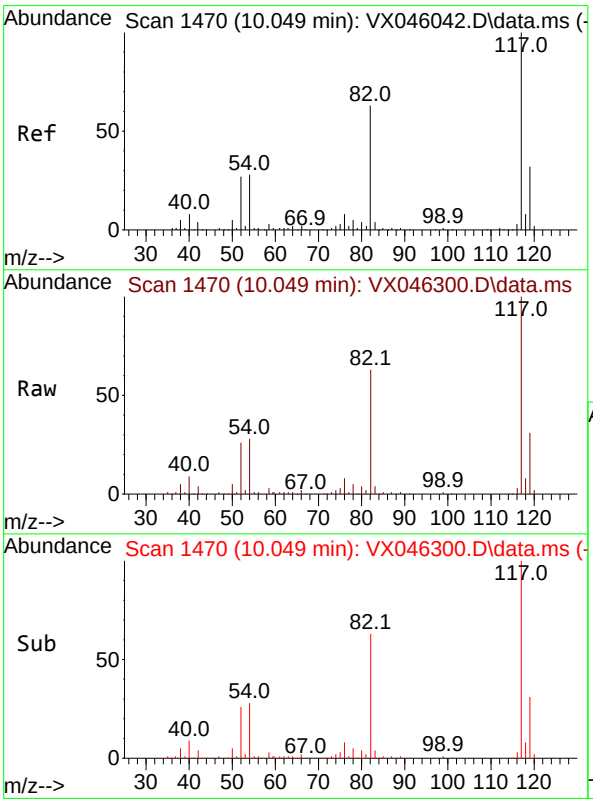
#62
4-Bromofluorobenzene
Concen: 49.028 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046300.D
Acq: 21 May 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-360-362

Tgt Ion: 95 Resp: 61552

Ion	Ratio	Lower	Upper
95	100		
174	66.0	0.0	135.8
176	63.6	0.0	131.4

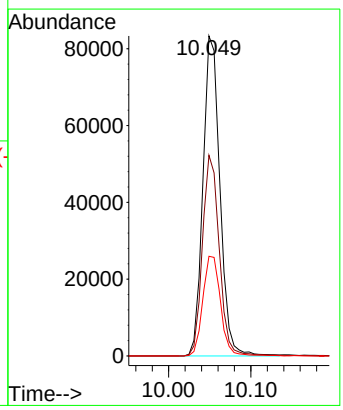


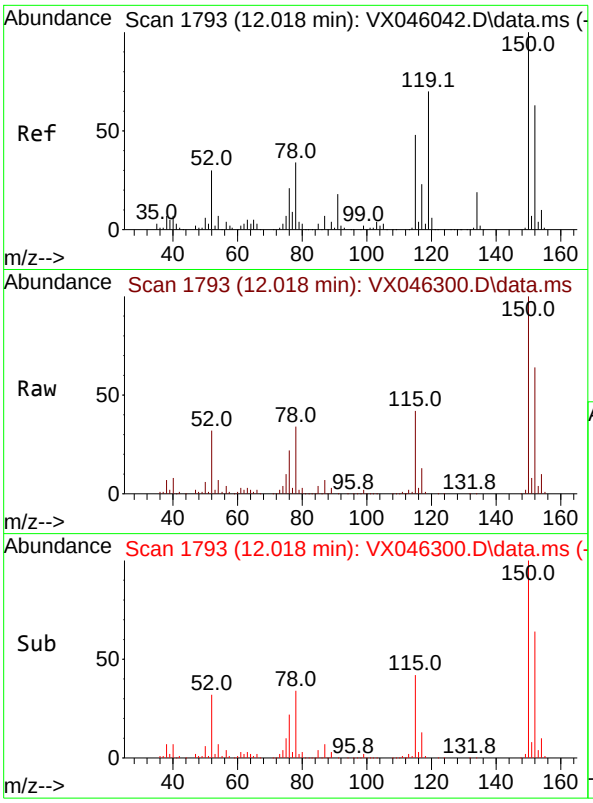


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046300.D
Acq: 21 May 2025 16:15

Tgt Ion:117 Resp: 119664

Ion	Ratio	Lower	Upper
117	100		
82	62.7	50.6	76.0
119	31.1	25.8	38.6



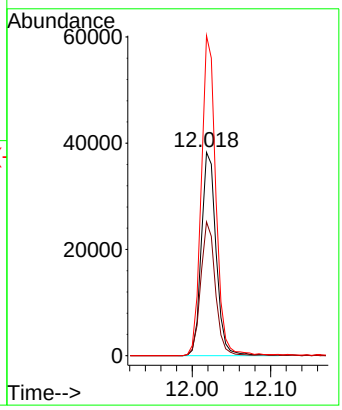


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046300.D
Acq: 21 May 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-360-362

Tgt Ion:152 Resp: 50238

Ion	Ratio	Lower	Upper
152	100		
115	64.9	46.9	140.7
150	154.6	0.0	351.0



Sample Results: **VX046300.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046300.D
Acq On : 21 May 2025 16:15
Operator : JC/MD
Sample : Q2082-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-360-362

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046300.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	19	rVB	11533	11747	2.59%	0.487%
2	1.368	42	46	53	rVB3	3455	5827	1.29%	0.242%
3	1.587	71	82	83	rBV4	4504	10896	2.41%	0.452%
4	5.385	693	705	722	rBV	54707	160706	35.50%	6.662%
5	5.544	722	731	746	rVV	76007	217704	48.09%	9.025%
6	5.952	788	798	816	rBV	62581	170717	37.71%	7.077%
7	6.757	920	930	950	rBV	138599	334291	73.84%	13.859%
8	8.647	1234	1240	1260	rBV	286644	452720	100.00%	18.768%
9	10.049	1465	1470	1484	rBV	285036	412145	91.04%	17.086%
10	11.079	1634	1639	1652	rBV	233467	298159	65.86%	12.361%
11	12.018	1788	1793	1803	rBV	267568	337235	74.49%	13.981%

Sum of corrected areas: 2412147

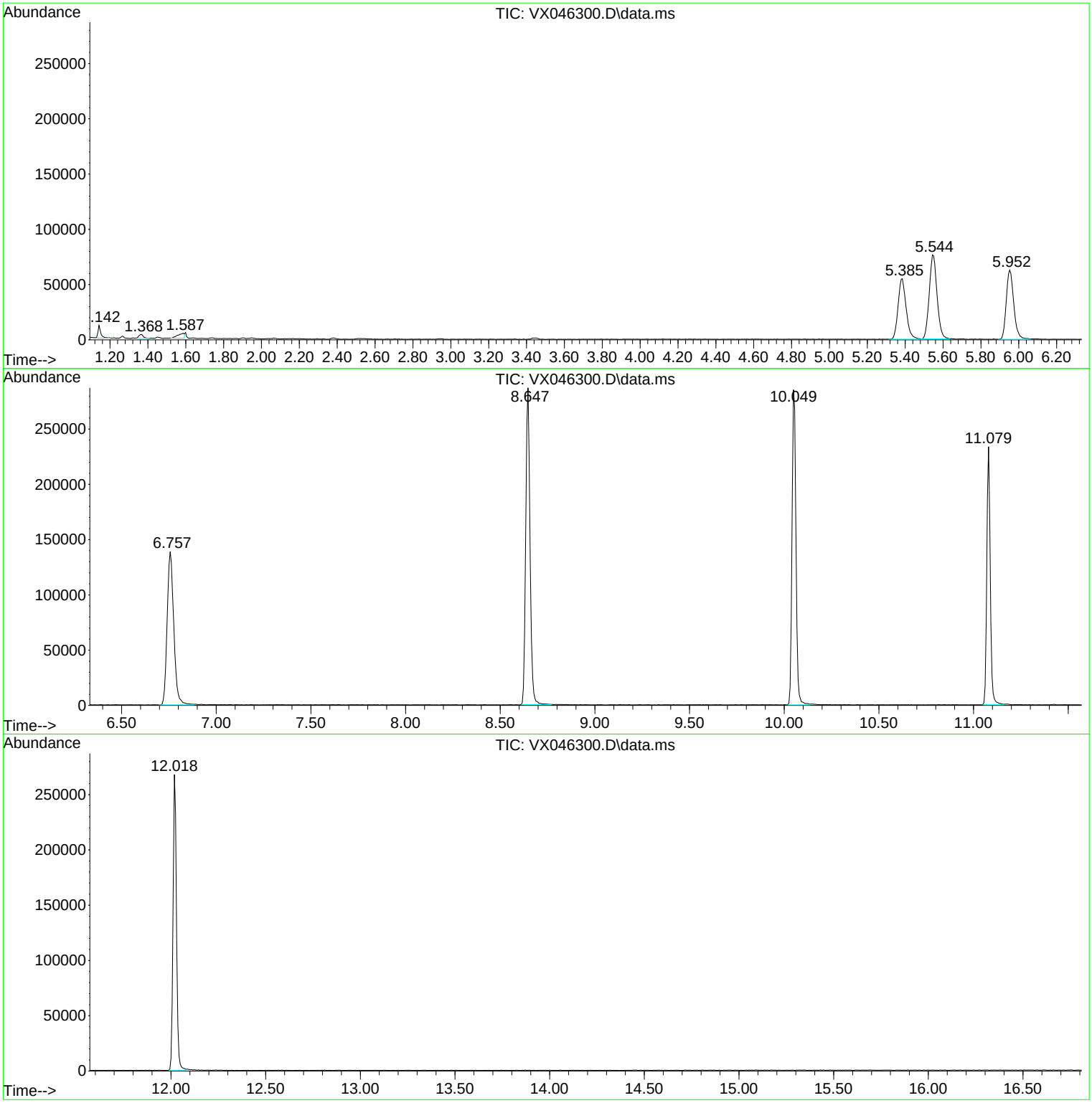
Sample Results: **VX046300.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046300.D
Acq On : 21 May 2025 16:15
Operator : JC/MD
Sample : Q2082-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-360-362

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046300.D
Acq On : 21 May 2025 16:15
Operator : JC/MD
Sample : Q2082-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-360-362

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046300.D
Acq On : 21 May 2025 16:15
Operator : JC/MD
Sample : Q2082-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-360-362

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-390-392	SDG No.:	Q2082
Lab Sample ID:	Q2082-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046301.D	1		05/21/25 16:39	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.50	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.49	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-390-392	SDG No.:	Q2082
Lab Sample ID:	Q2082-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046301.D	1		05/21/25 16:39	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.1		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.8		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	65900	5.55				
540-36-3	1,4-Difluorobenzene	130000	6.757				
3114-55-4	Chlorobenzene-d5	123000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	52600	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-390-392	SDG No.:	Q2082
Lab Sample ID:	Q2082-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046301.D	1		05/21/25 16:39	VX052125

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\VX052125\
Data File : VX046301.D
Acq On : 21 May 2025 16:39
Operator : JC/MD
Sample : Q2082-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-390-392

Quant Time: May 22 01:51:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

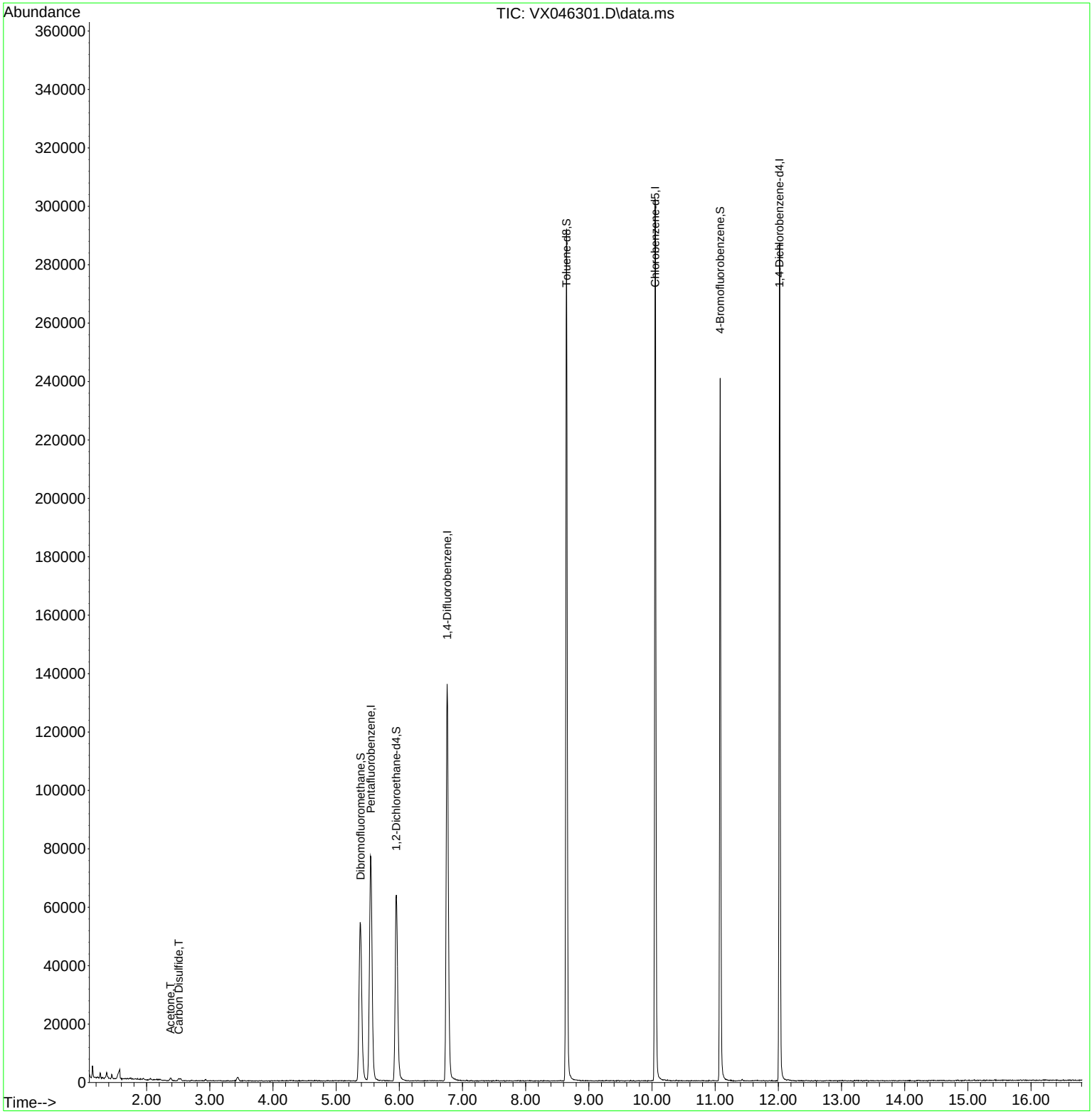
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	65898	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130017	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66464	54.100	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.200%			
35) Dibromofluoromethane	5.385	113	47621	50.863	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.720%			
50) Toluene-d8	8.647	98	164758	50.843	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.680%			
62) 4-Bromofluorobenzene	11.079	95	64090	51.560	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.120%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1249	2.536	ug/l #	86
17) Carbon Disulfide	2.508	76	910	0.491	ug/l	99

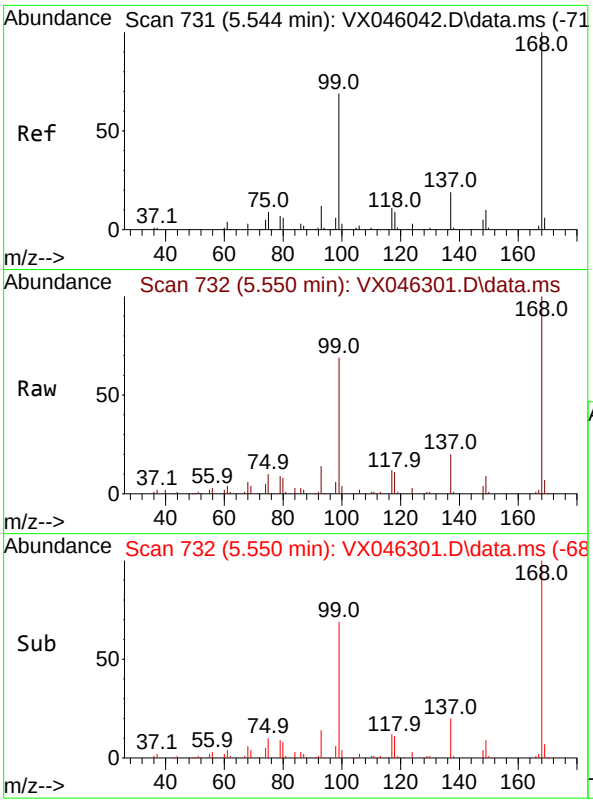
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046301.D
Acq On : 21 May 2025 16:39
Operator : JC/MD
Sample : Q2082-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-390-392

Quant Time: May 22 01:51:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



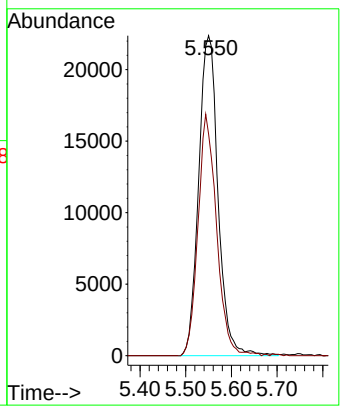


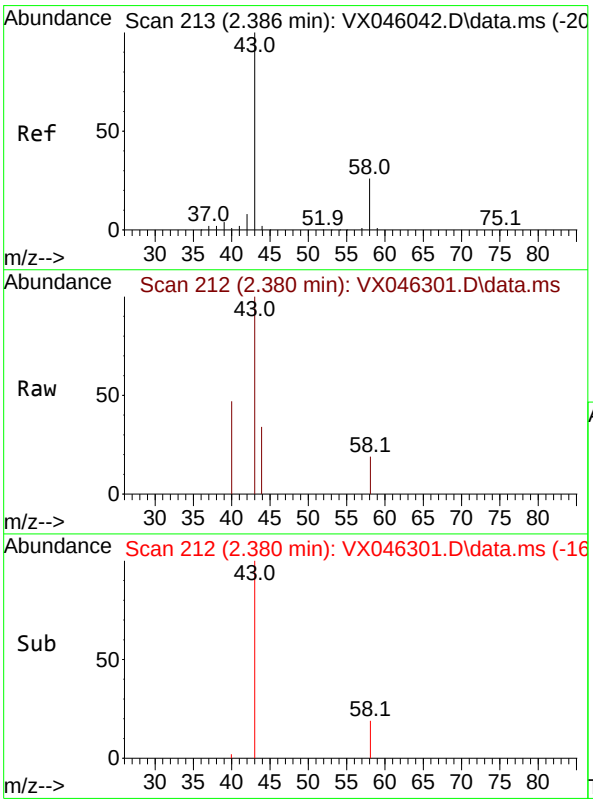
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046301.D
Acq: 21 May 2025 16:39

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-390-392

Tgt Ion:168 Resp: 65898

Ion	Ratio	Lower	Upper
168	100		
99	69.3	54.9	82.3

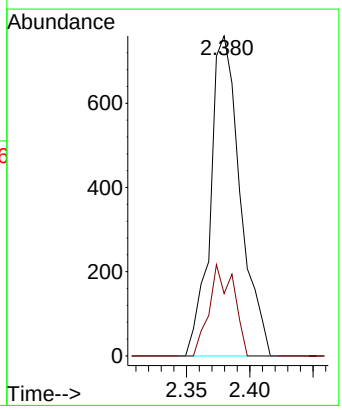


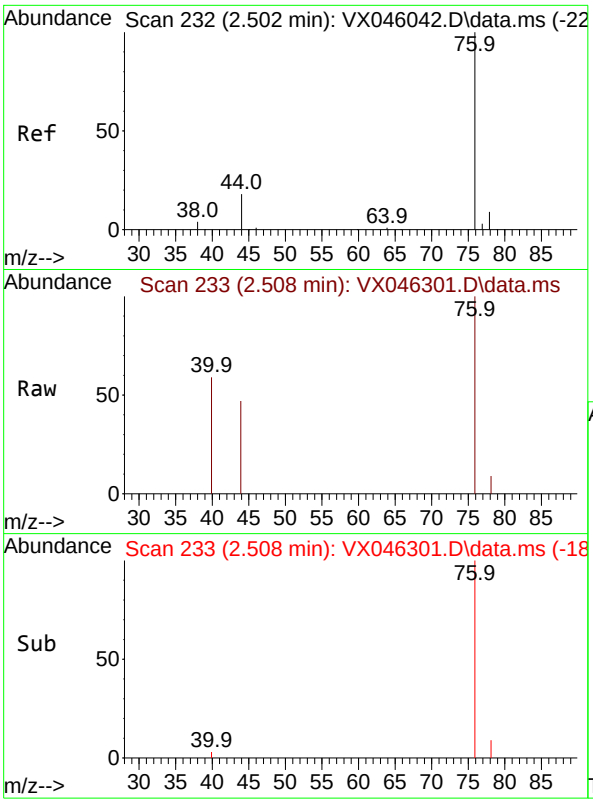


#16
Acetone
Concen: 2.536 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046301.D
Acq: 21 May 2025 16:39

Tgt Ion: 43 Resp: 1249

Ion	Ratio	Lower	Upper
43	100		
58	19.5	21.2	31.8#



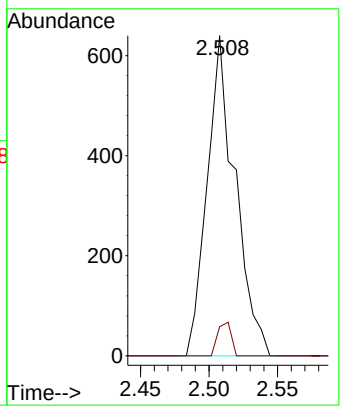


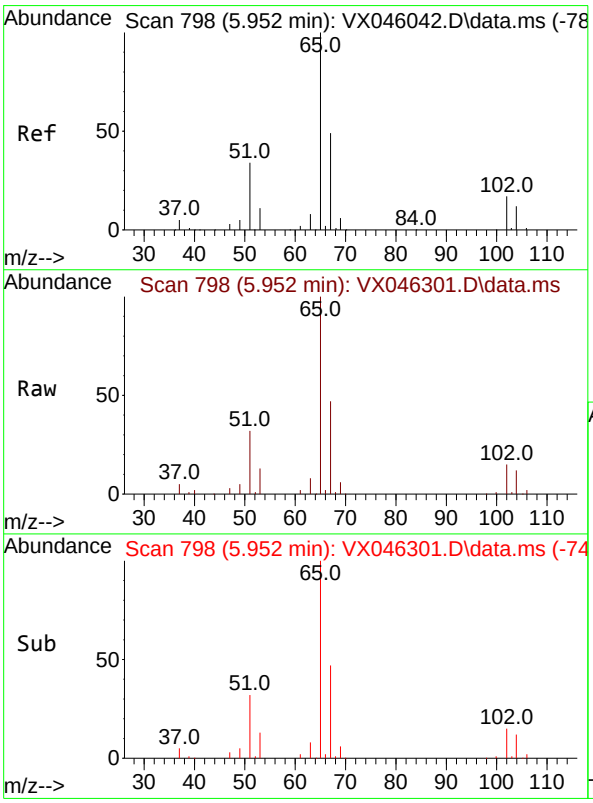
#17
Carbon Disulfide
Concen: 0.491 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046301.D
Acq: 21 May 2025 16:39

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-390-392

Tgt Ion: 76 Resp: 910

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

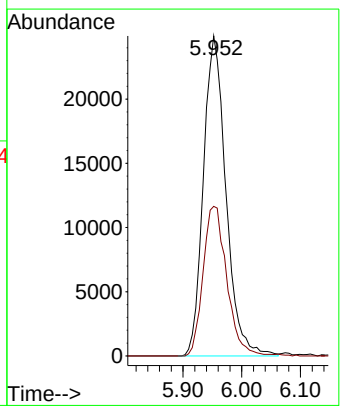


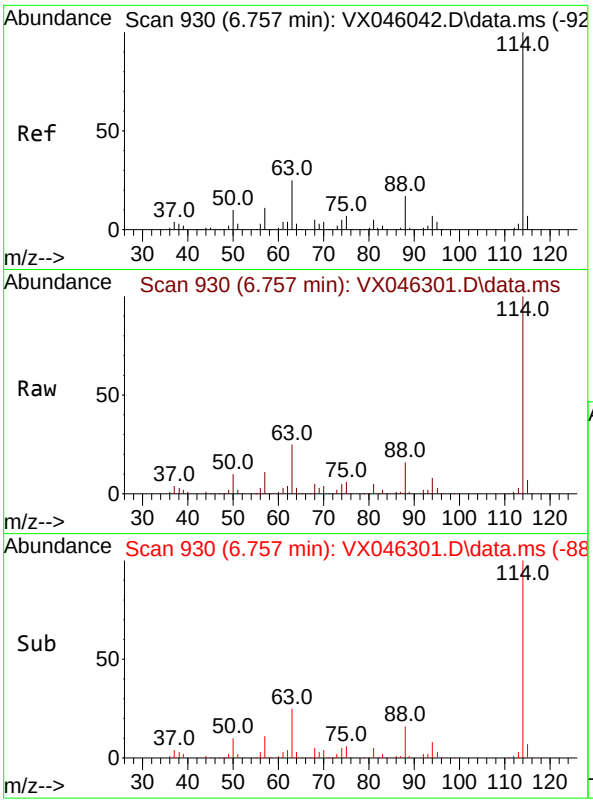


#33
1,2-Dichloroethane-d4
Concen: 54.100 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046301.D
Acq: 21 May 2025 16:39

Tgt Ion: 65 Resp: 66464

Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	99.0



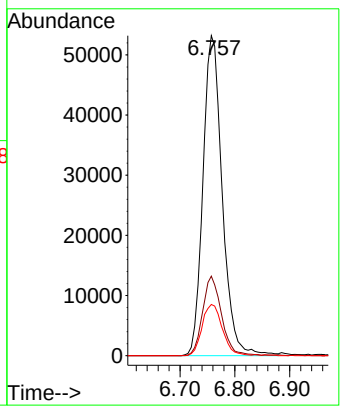


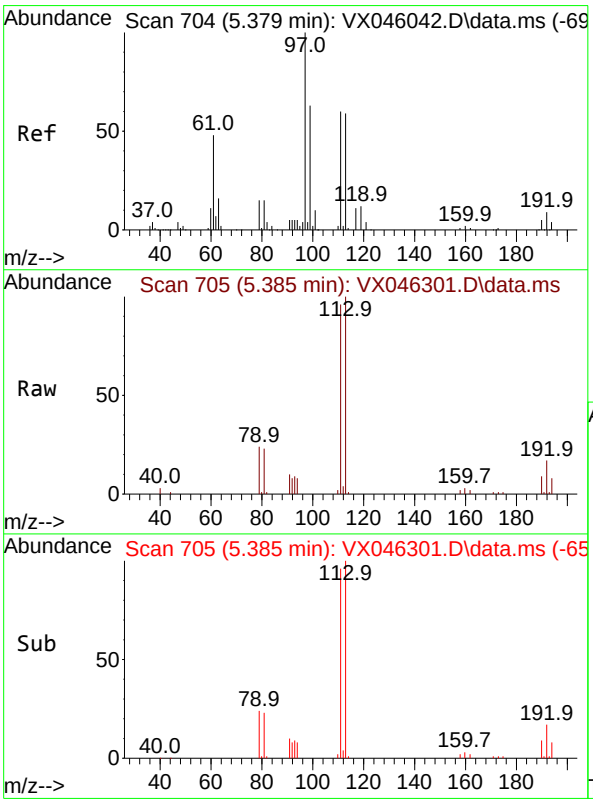
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046301.D
Acq: 21 May 2025 16:39

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-390-392

Tgt Ion:114 Resp: 130017

Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	49.2
88	16.0	0.0	33.6

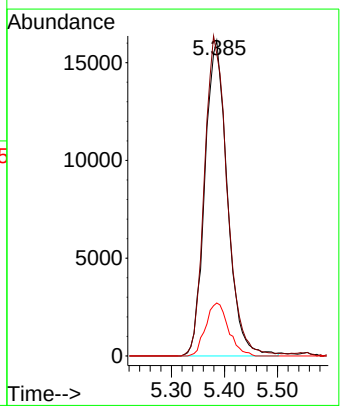


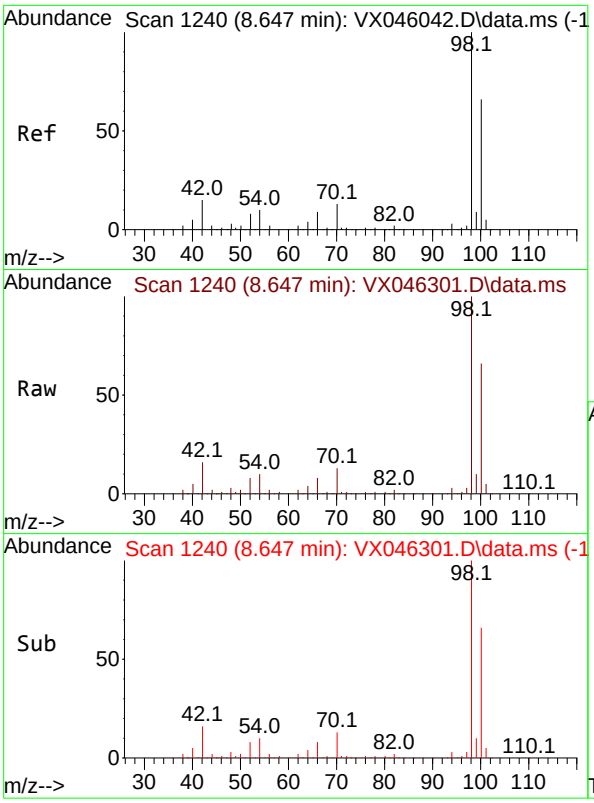


#35
Dibromofluoromethane
Concen: 50.863 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046301.D
Acq: 21 May 2025 16:39

Tgt Ion:113 Resp: 47621

Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.1	124.7
192	17.0	13.3	19.9



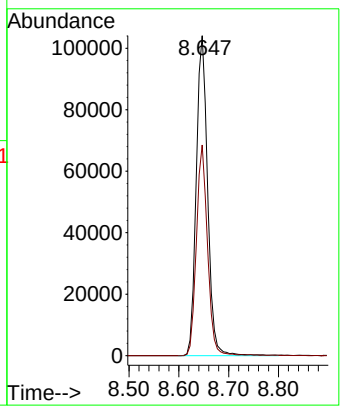


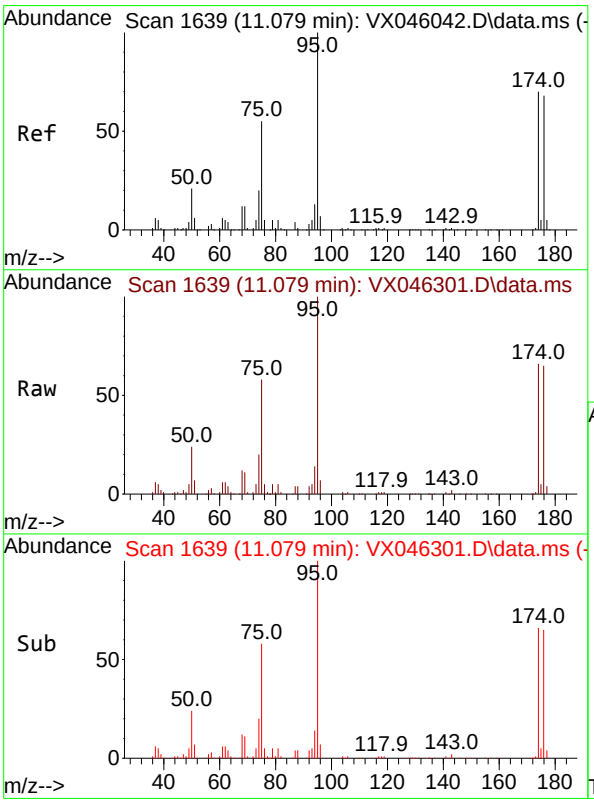
#50
Toluene-d8
Concen: 50.843 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046301.D
Acq: 21 May 2025 16:39

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-390-392

Tgt Ion: 98 Resp: 164758

Ion	Ratio	Lower	Upper
98	100		
100	64.5	53.5	80.3

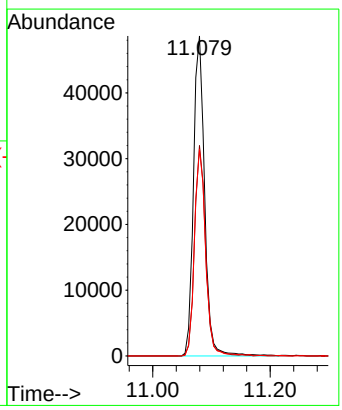


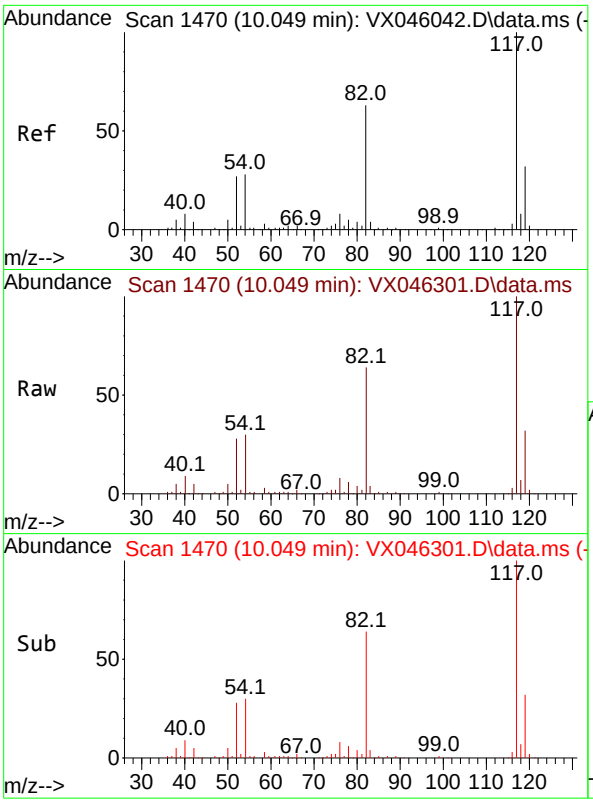


#62
4-Bromofluorobenzene
Concen: 51.560 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046301.D
Acq: 21 May 2025 16:39

Tgt Ion: 95 Resp: 64090

Ion	Ratio	Lower	Upper
95	100		
174	64.7	0.0	135.8
176	64.9	0.0	131.4



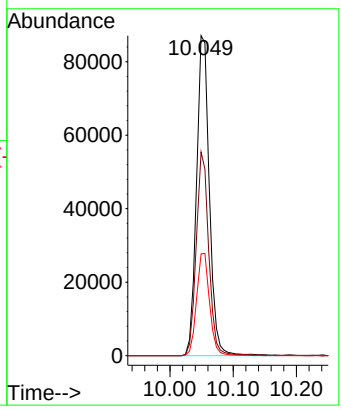


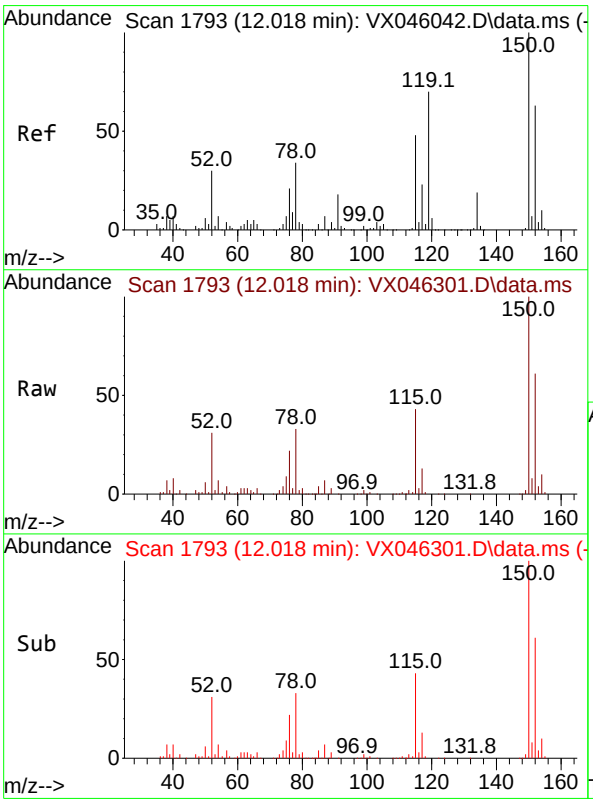
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046301.D
Acq: 21 May 2025 16:39

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-390-392

Tgt Ion:117 Resp: 123419

Ion	Ratio	Lower	Upper
117	100		
82	63.7	50.6	76.0
119	31.8	25.8	38.6

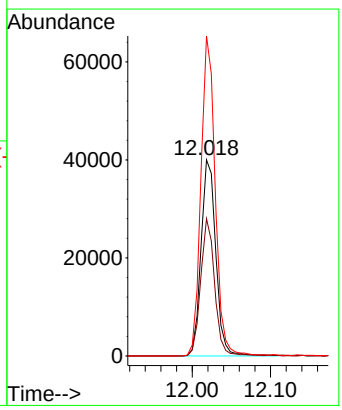




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046301.D
Acq: 21 May 2025 16:39

Tgt Ion:152 Resp: 52601

Ion	Ratio	Lower	Upper
152	100		
115	66.0	46.9	140.7
150	157.3	0.0	351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046301.D
Acq On : 21 May 2025 16:39
Operator : JC/MD
Sample : Q2082-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-390-392

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046301.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.575	71	80	82	rVB2	3110	5693	1.24%	0.233%
2	5.379	694	704	719	rBV3	54247	162582	35.33%	6.657%
3	5.544	722	731	746	rVV	76676	218432	47.47%	8.944%
4	5.952	789	798	814	rBV2	63676	173422	37.69%	7.101%
5	6.757	922	930	946	rBV	135686	327816	71.24%	13.422%
6	8.647	1234	1240	1259	rBV	291550	460180	100.00%	18.842%
7	10.049	1465	1470	1489	rBV	301904	421542	91.60%	17.260%
8	11.079	1634	1639	1655	rBV	240526	313016	68.02%	12.816%
9	12.018	1788	1793	1806	rBV	287032	359616	78.15%	14.724%

Sum of corrected areas: 2442299

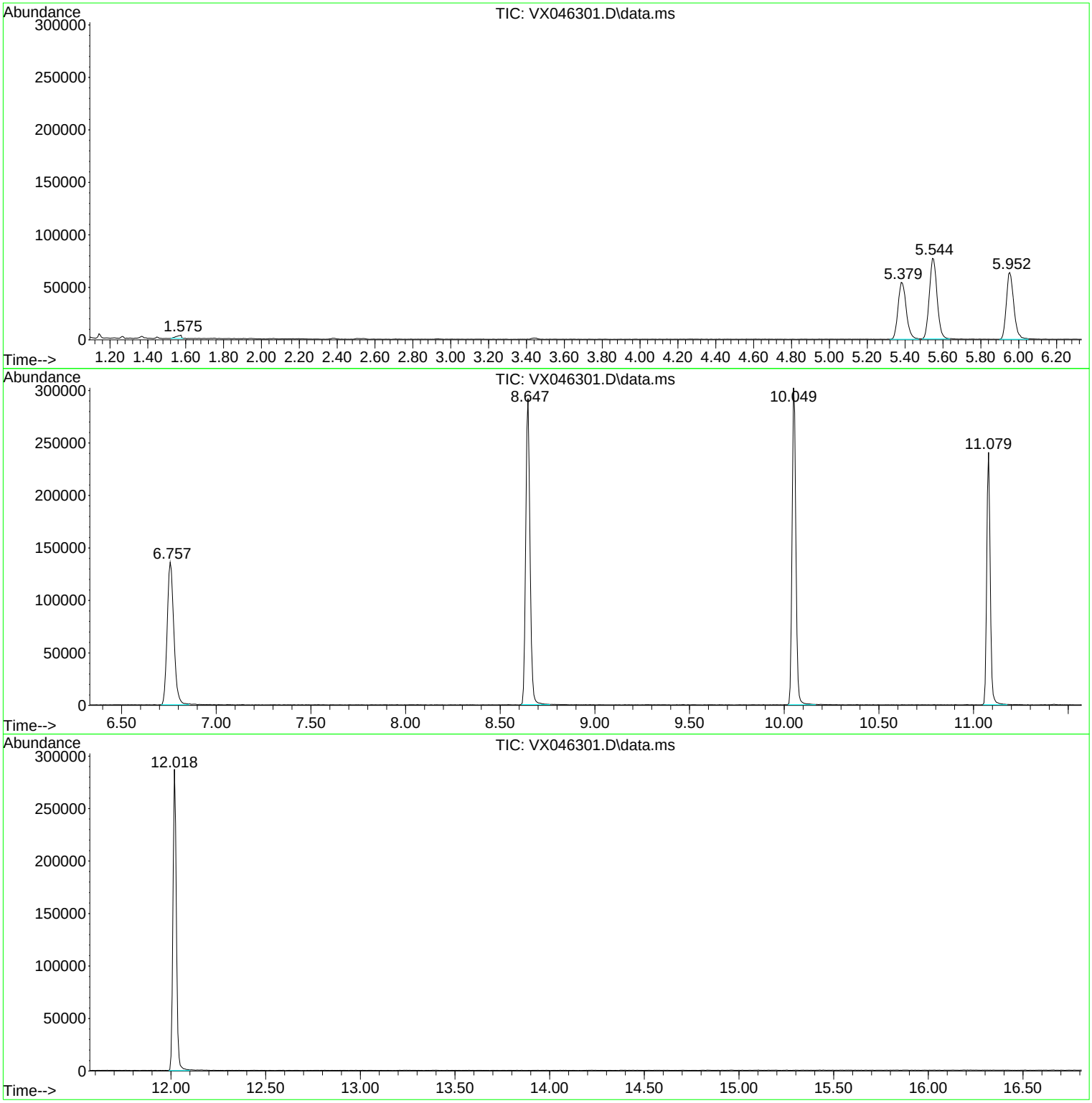
Sample Results: **VX046301.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046301.D
Acq On : 21 May 2025 16:39
Operator : JC/MD
Sample : Q2082-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-390-392

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046301.D
Acq On : 21 May 2025 16:39
Operator : JC/MD
Sample : Q2082-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-390-392

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046301.D
Acq On : 21 May 2025 16:39
Operator : JC/MD
Sample : Q2082-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-390-392

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-400-402	SDG No.:	Q2082
Lab Sample ID:	Q2082-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046306.D	1		05/21/25 18:35	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	2.70	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-400-402	SDG No.:	Q2082
Lab Sample ID:	Q2082-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046306.D	1		05/21/25 18:35	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.6		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.3		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		85 - 114		99%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	68900	5.55				
540-36-3	1,4-Difluorobenzene	136000	6.757				
3114-55-4	Chlorobenzene-d5	128000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	53500	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-400-402	SDG No.:	Q2082
Lab Sample ID:	Q2082-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046306.D	1		05/21/25 18:35	VX052125

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\VX052125\
Data File : VX046306.D
Acq On : 21 May 2025 18:35
Operator : JC/MD
Sample : Q2082-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402

Quant Time: May 22 01:53:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

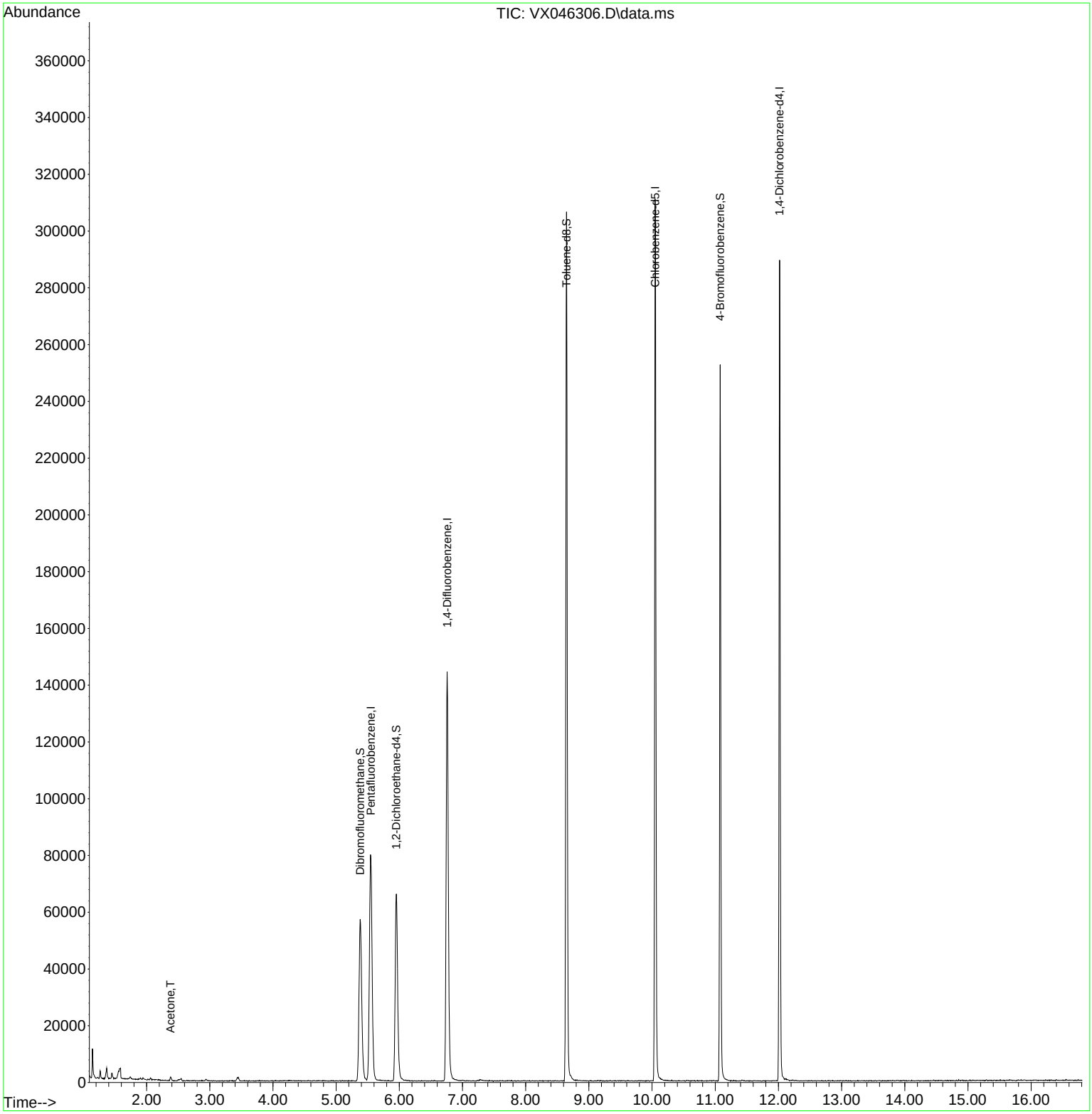
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	68861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136083	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68826	53.612	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.220%			
35) Dibromofluoromethane	5.379	113	49526	50.540	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.080%			
50) Toluene-d8	8.647	98	170460	50.258	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.520%			
62) 4-Bromofluorobenzene	11.079	95	64603	49.656	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.320%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1379	2.679	ug/l	95

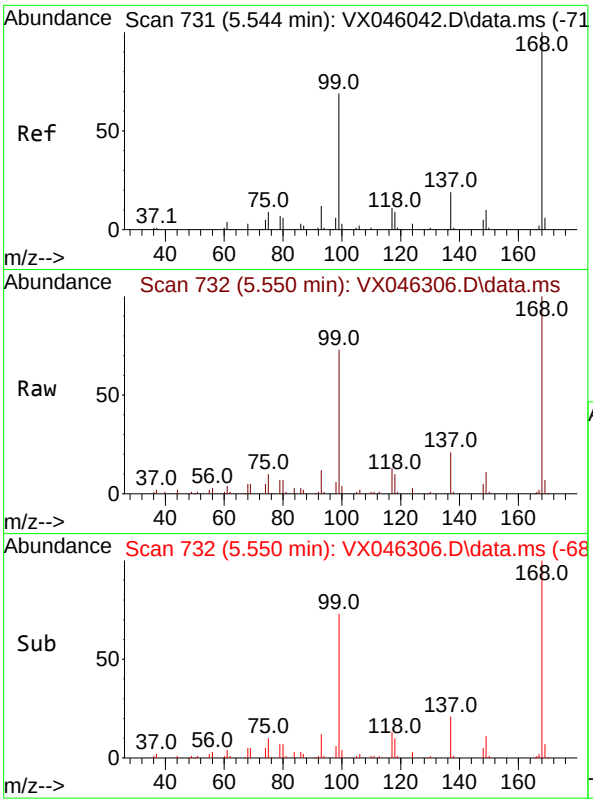
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046306.D
Acq On : 21 May 2025 18:35
Operator : JC/MD
Sample : Q2082-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402

Quant Time: May 22 01:53:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



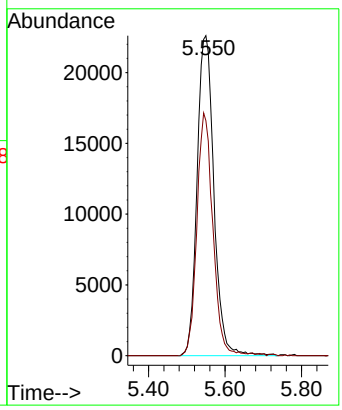


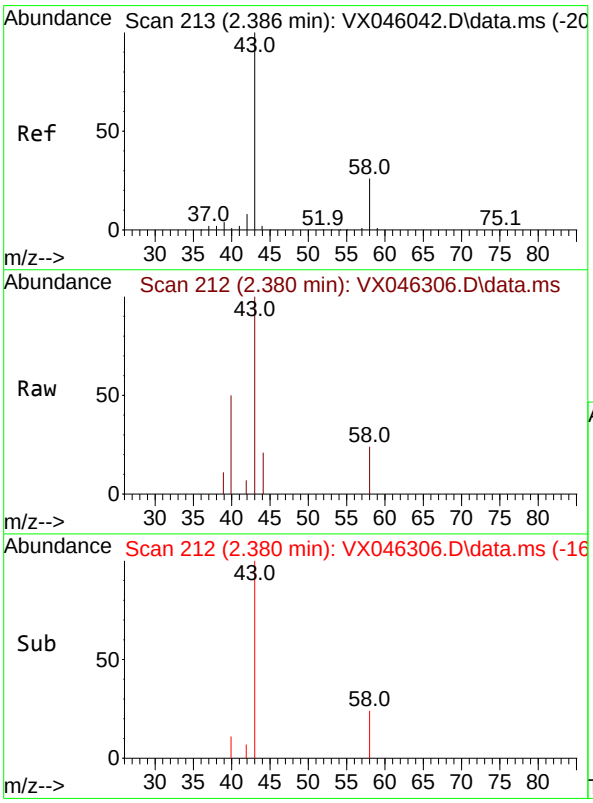
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402

Tgt Ion:168 Resp: 68861

Ion	Ratio	Lower	Upper
168	100		
99	73.5	54.9	82.3

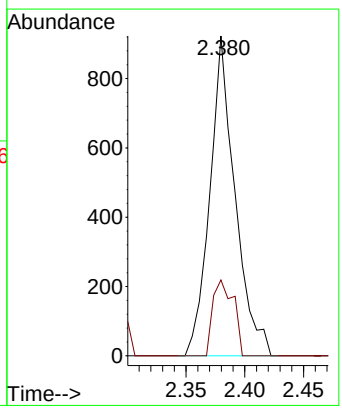


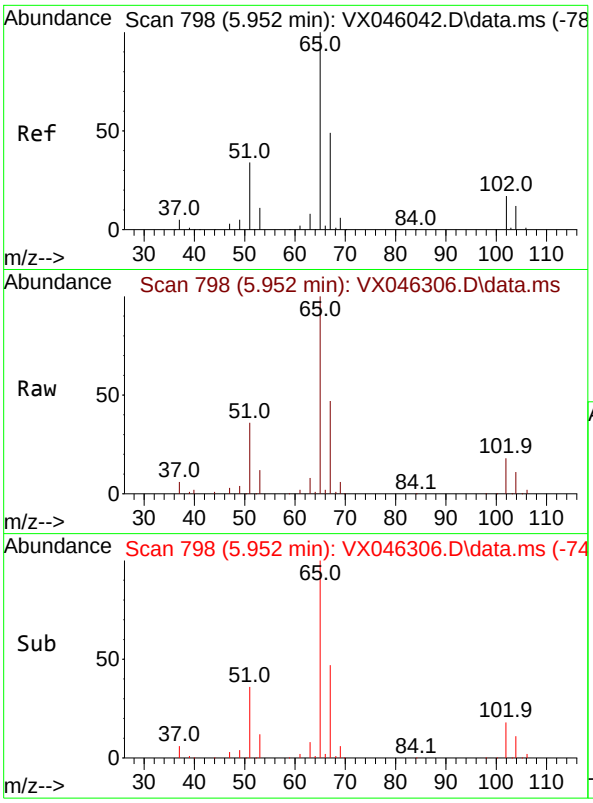


#16
Acetone
Concen: 2.679 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

Tgt Ion: 43 Resp: 1379

Ion	Ratio	Lower	Upper
43	100		
58	23.7	21.2	31.8



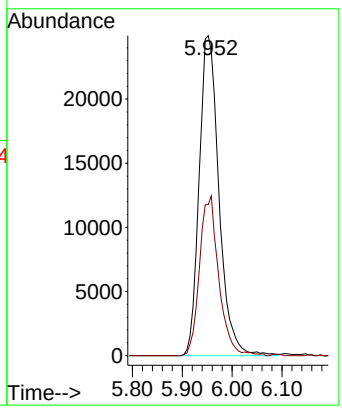


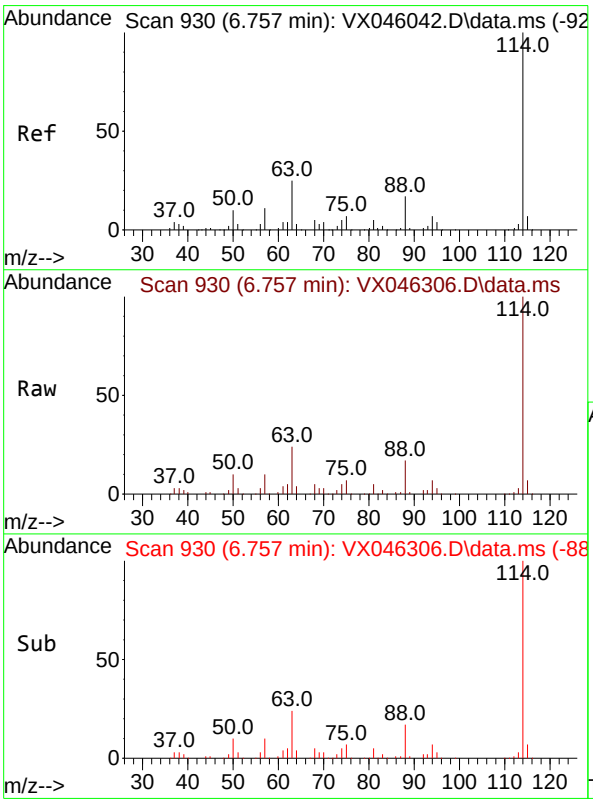
#33
1,2-Dichloroethane-d4
Concen: 53.612 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402

Tgt Ion: 65 Resp: 68826

Ion	Ratio	Lower	Upper
65	100		
67	48.4	0.0	99.0

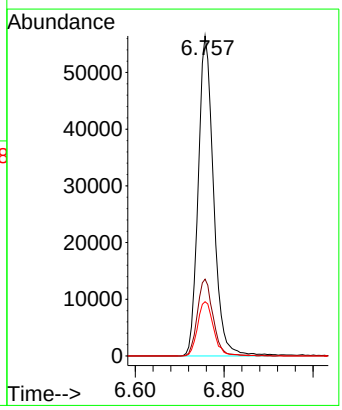


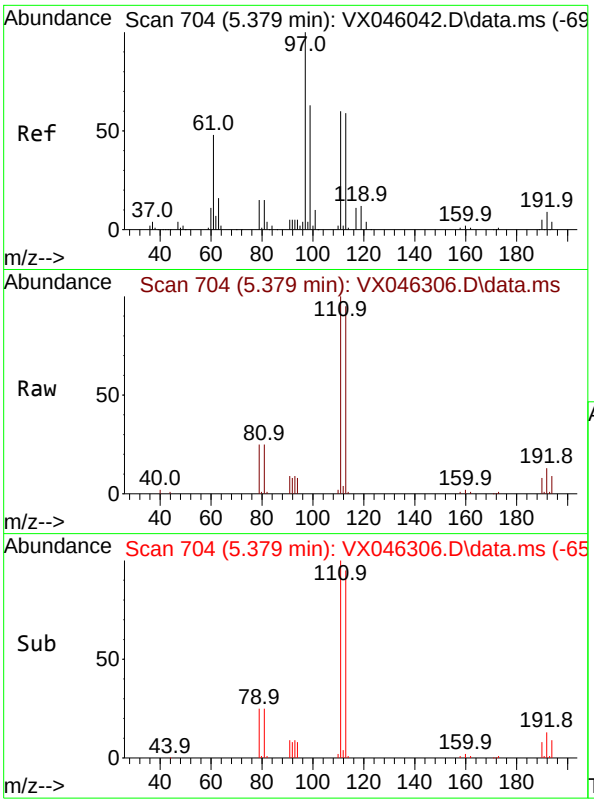


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

Tgt Ion:114 Resp: 136083

Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	49.2
88	16.9	0.0	33.6



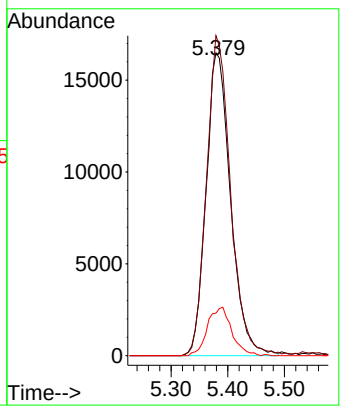


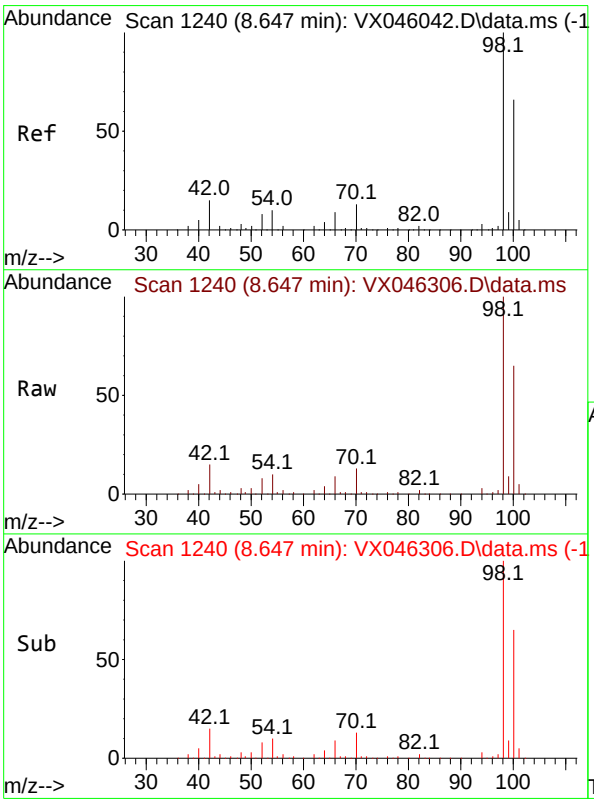
#35
Dibromofluoromethane
Concen: 50.540 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402

Tgt Ion:113 Resp: 49526

Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.1	124.7
192	15.8	13.3	19.9

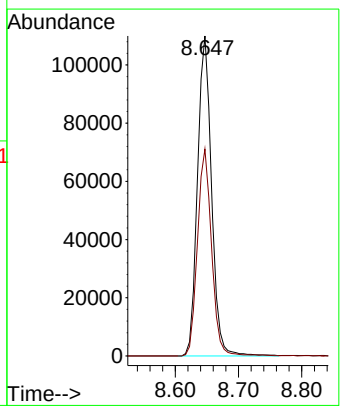


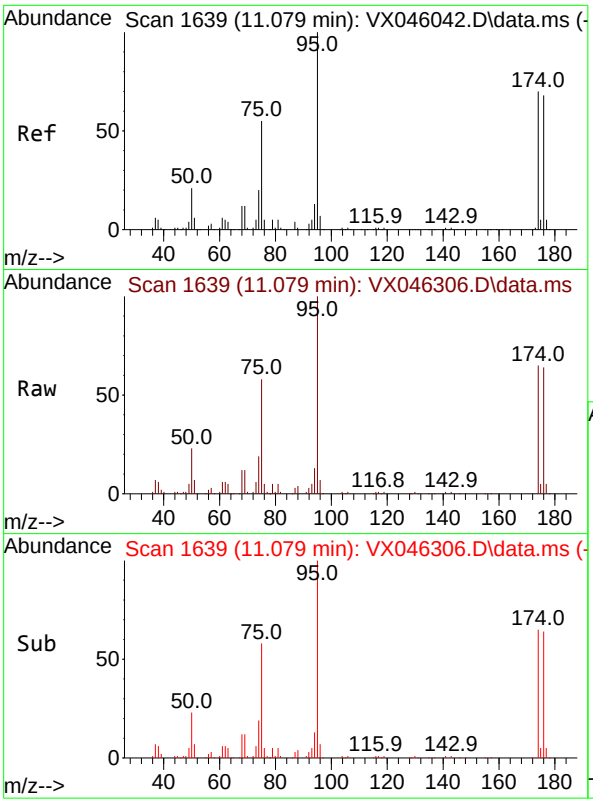


#50
Toluene-d8
Concen: 50.258 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

Tgt Ion: 98 Resp: 170460

Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.5	80.3



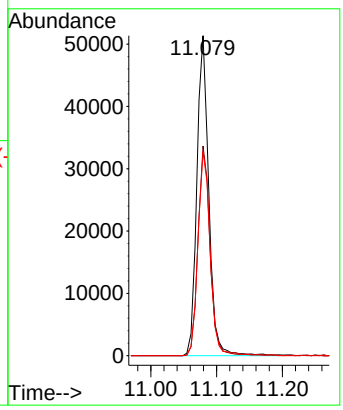


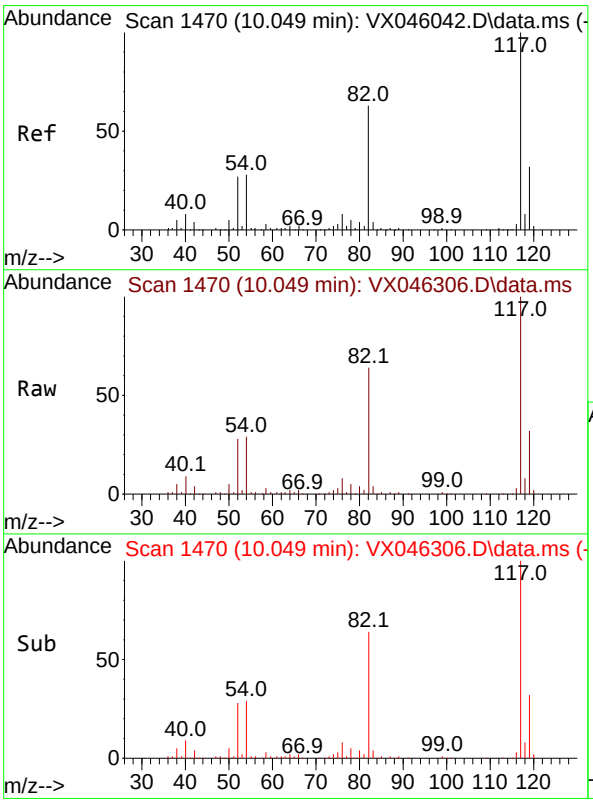
#62
4-Bromofluorobenzene
Concen: 49.656 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402

Tgt Ion: 95 Resp: 64603

Ion	Ratio	Lower	Upper
95	100		
174	66.6	0.0	135.8
176	65.6	0.0	131.4

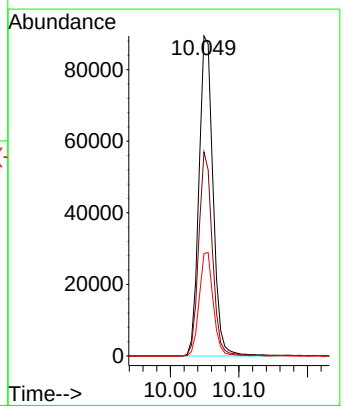


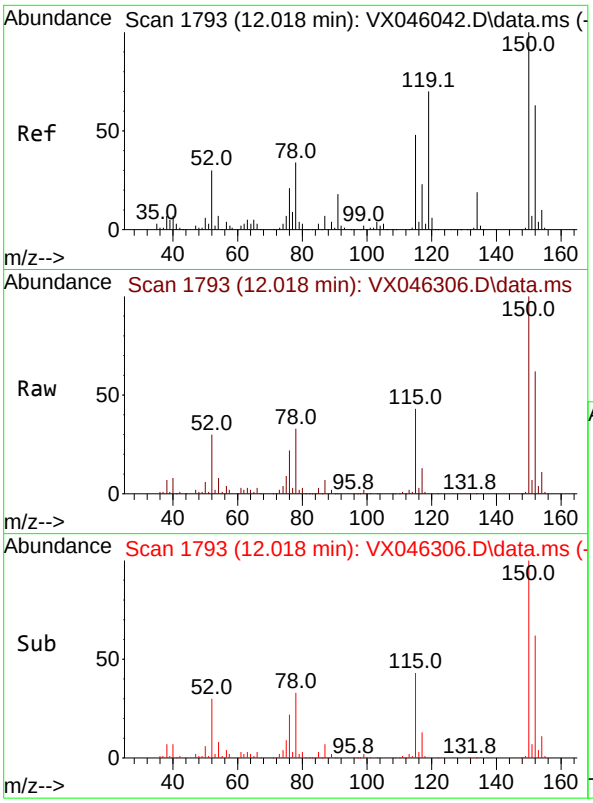


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

Tgt Ion:117 Resp: 127972

Ion	Ratio	Lower	Upper
117	100		
82	63.8	50.6	76.0
119	32.0	25.8	38.6



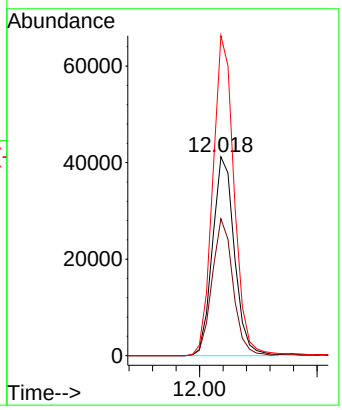


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046306.D
Acq: 21 May 2025 18:35

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402

Tgt Ion:152 Resp: 53505

Ion	Ratio	Lower	Upper
152	100		
115	65.8	46.9	140.7
150	157.5	0.0	351.0



Sample Results: **VX046306.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046306.D
Acq On : 21 May 2025 18:35
Operator : JC/MD
Sample : Q2082-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046306.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	17	rVB	10366	10388	2.17%	0.408%
2	1.368	41	46	51	rVB3	3723	5296	1.11%	0.208%
3	5.379	693	704	721	rBV2	56994	169484	35.42%	6.659%
4	5.544	721	731	748	rVV	79507	231068	48.30%	9.079%
5	5.952	789	798	811	rBV2	65876	176457	36.88%	6.933%
6	6.757	920	930	946	rBV	144173	347402	72.61%	13.650%
7	8.647	1234	1240	1249	rBV	306322	478432	100.00%	18.798%
8	10.049	1465	1470	1486	rBV	310809	438246	91.60%	17.219%
9	11.079	1634	1639	1653	rBV	252352	319537	66.79%	12.555%
10	12.018	1788	1793	1806	rBV	289290	368808	77.09%	14.491%

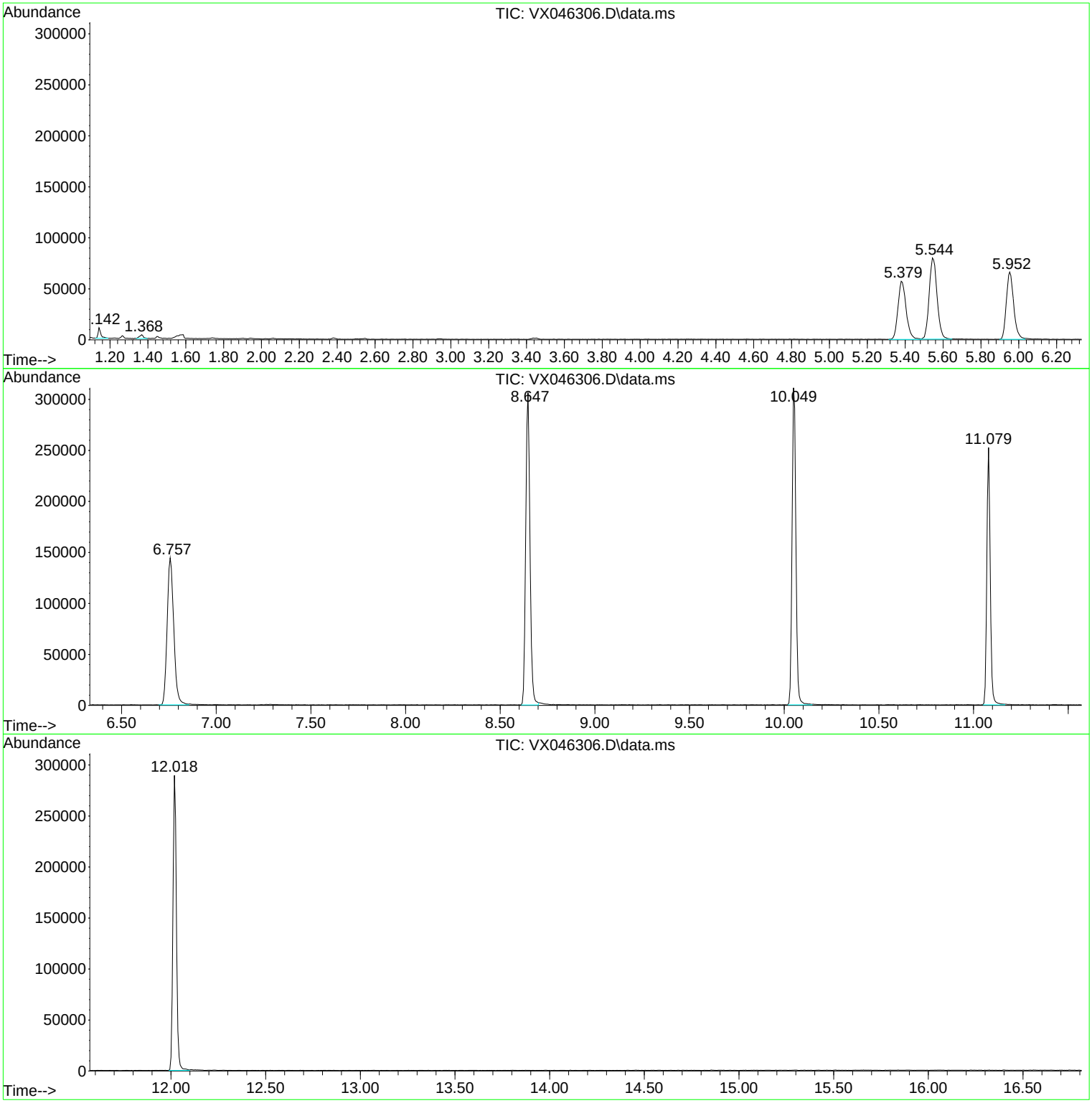
Sum of corrected areas: 2545118

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046306.D
Acq On : 21 May 2025 18:35
Operator : JC/MD
Sample : Q2082-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046306.D
Acq On : 21 May 2025 18:35
Operator : JC/MD
Sample : Q2082-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046306.D
Acq On : 21 May 2025 18:35
Operator : JC/MD
Sample : Q2082-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	VPB182-HYD-20250516	SDG No.:	Q2082
Lab Sample ID:	Q2082-12	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046296.D	1		05/21/25 14:42	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.60	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.62	J	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	VPB182-HYD-20250516	SDG No.:	Q2082
Lab Sample ID:	Q2082-12	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046296.D	1		05/21/25 14:42	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	1.20		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.4		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	49.5		89 - 112		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	67600	5.544				
540-36-3	1,4-Difluorobenzene	134000	6.757				
3114-55-4	Chlorobenzene-d5	128000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	54800	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							
75-43-4	Dichlorofluoromethane	N.D					

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	VPB182-HYD-20250516	SDG No.:	Q2082
Lab Sample ID:	Q2082-12	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046296.D	1		05/21/25 14:42	VX052125

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\VX052125\
Data File : VX046296.D
Acq On : 21 May 2025 14:42
Operator : JC/MD
Sample : Q2082-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250516

Quant Time: May 22 01:50:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

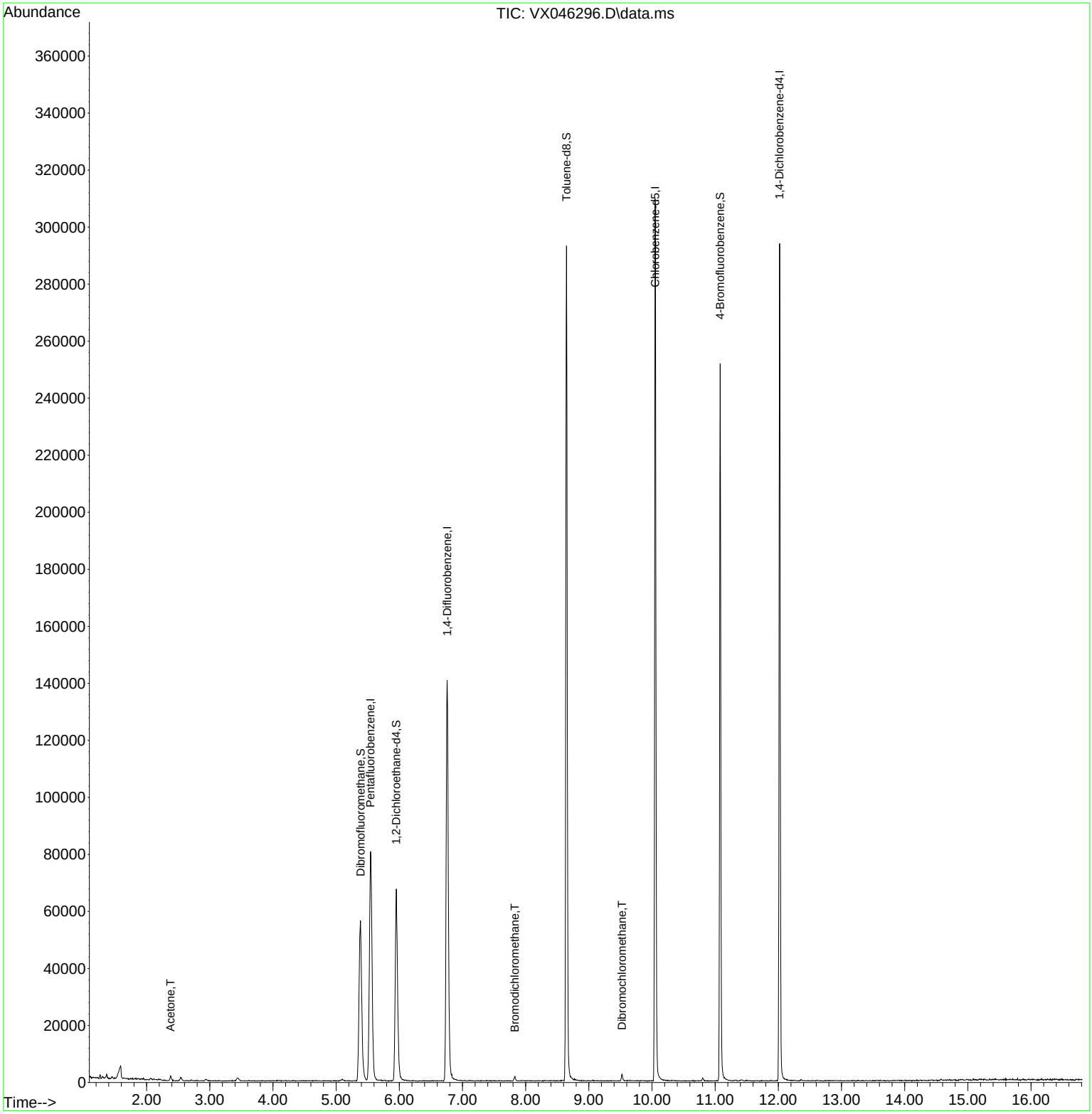
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	67553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134394	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65952	52.368	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.740%			
35) Dibromofluoromethane	5.385	113	48556	50.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.340%			
50) Toluene-d8	8.647	98	165672	49.460	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.920%			
62) 4-Bromofluorobenzene	11.079	95	66559	51.802	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.600%			
Target Compounds						Qvalue
16) Acetone	2.380	43	1819	3.602	ug/l	93
47) Bromodichloromethane	7.830	83	915	0.622	ug/l #	91
60) Dibromochloromethane	9.525	129	1211	1.197	ug/l	96

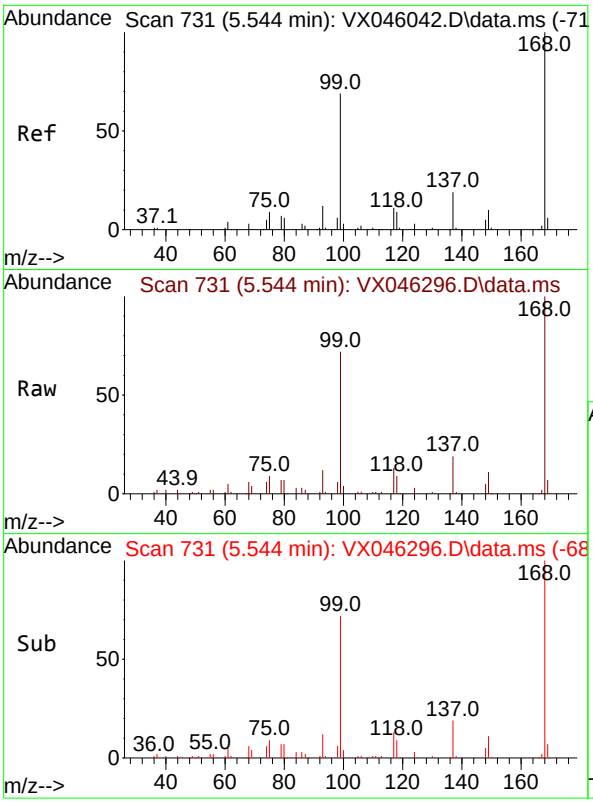
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046296.D
Acq On : 21 May 2025 14:42
Operator : JC/MD
Sample : Q2082-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250516

Quant Time: May 22 01:50:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



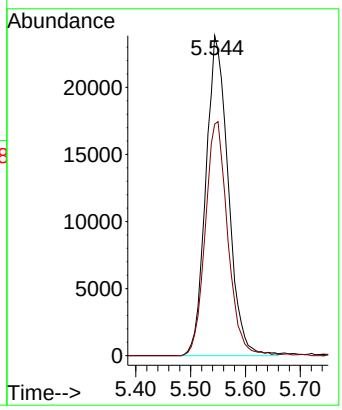


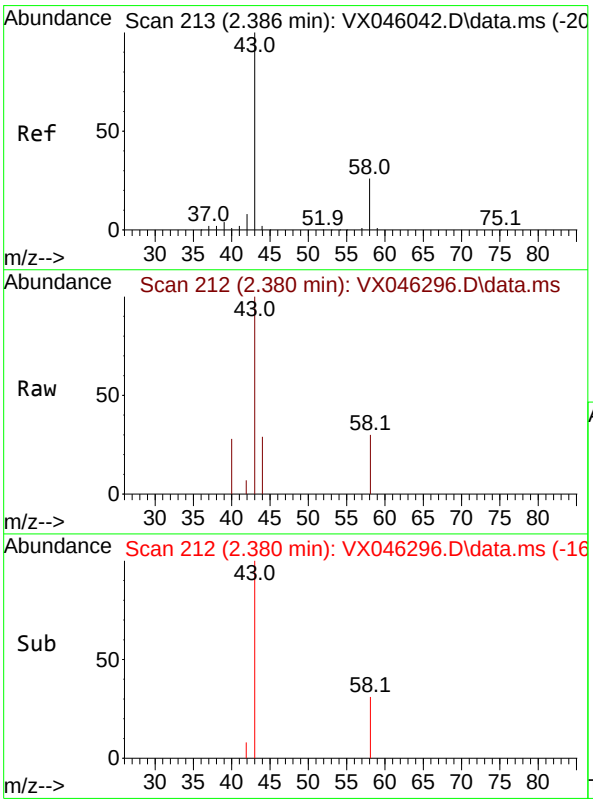
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046296.D
Acq: 21 May 2025 14:42

Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250516

Tgt Ion:168 Resp: 67553

Ion	Ratio	Lower	Upper
168	100		
99	72.3	54.9	82.3

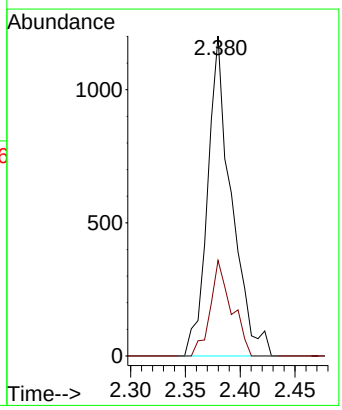


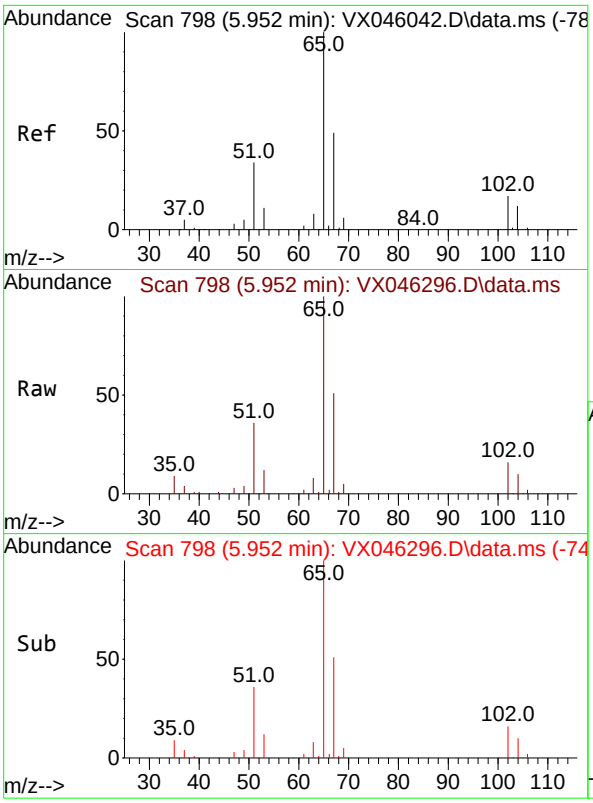


#16
Acetone
Concen: 3.602 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046296.D
Acq: 21 May 2025 14:42

Tgt Ion: 43 Resp: 1819

Ion	Ratio	Lower	Upper
43	100		
58	29.9	21.2	31.8



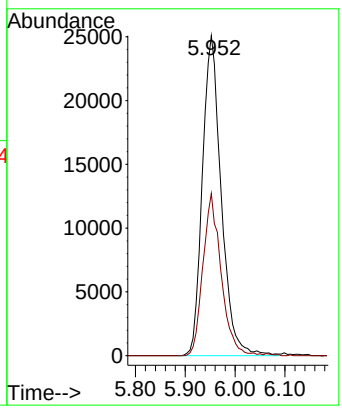


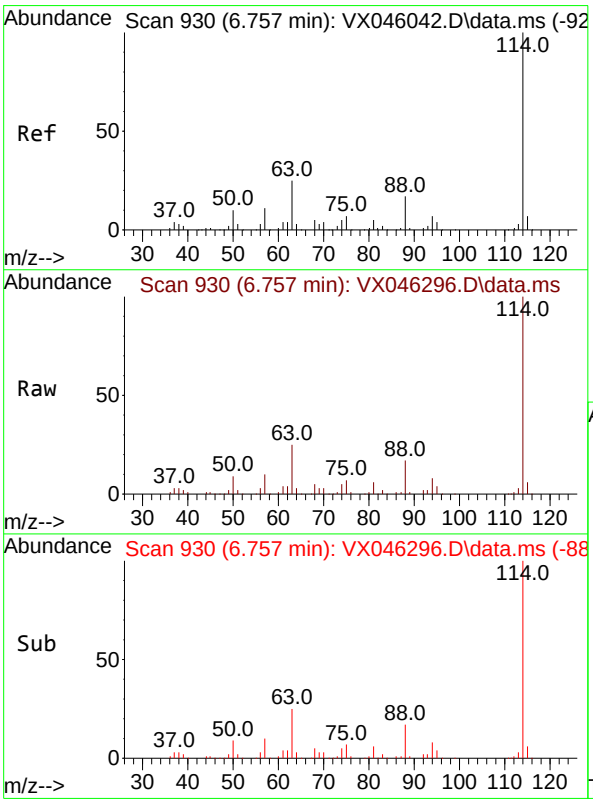
#33
1,2-Dichloroethane-d4
Concen: 52.368 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046296.D
Acq: 21 May 2025 14:42

Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250516

Tgt Ion: 65 Resp: 65952

Ion	Ratio	Lower	Upper
65	100		
67	48.8	0.0	99.0

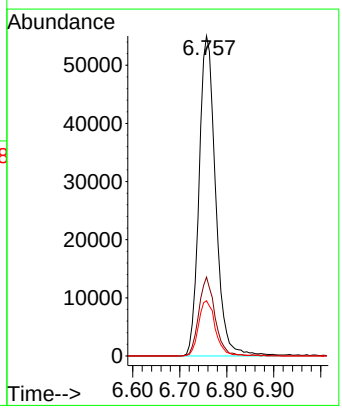


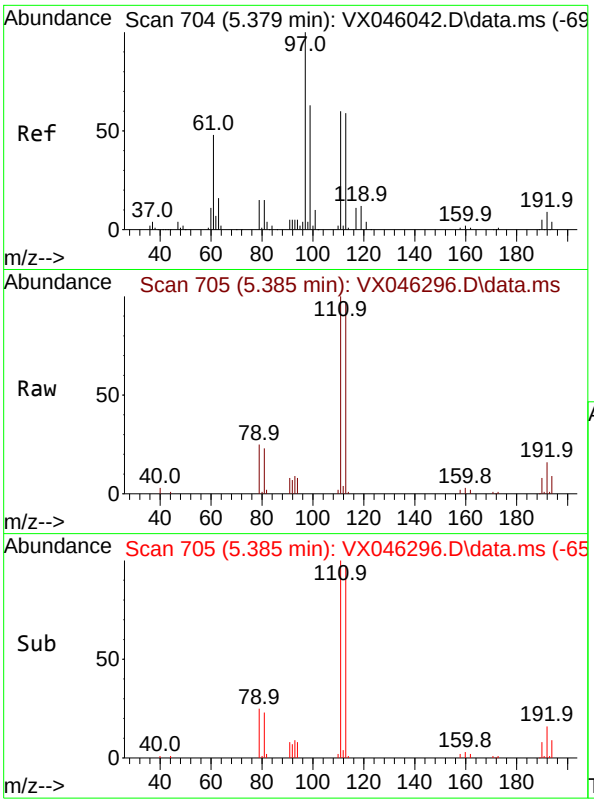


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046296.D
Acq: 21 May 2025 14:42

Tgt Ion:114 Resp: 134394

Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	49.2
88	17.3	0.0	33.6



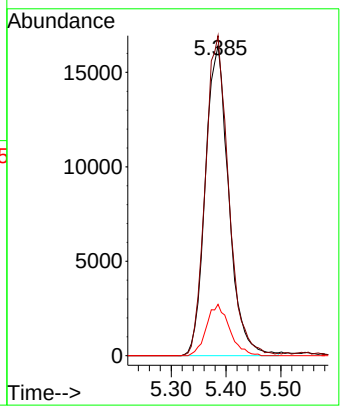


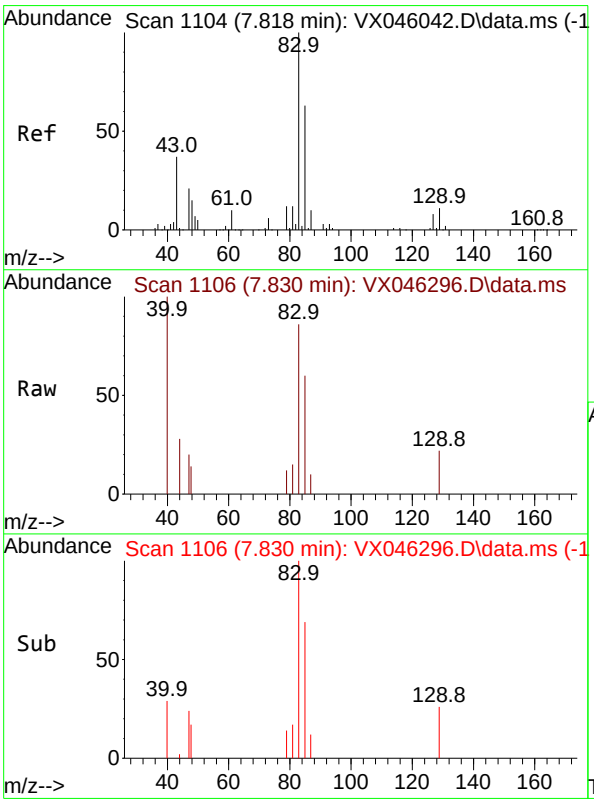
#35
Dibromofluoromethane
Concen: 50.173 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046296.D
Acq: 21 May 2025 14:42

Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250516

Tgt Ion:113 Resp: 48556

Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.1	124.7
192	16.4	13.3	19.9

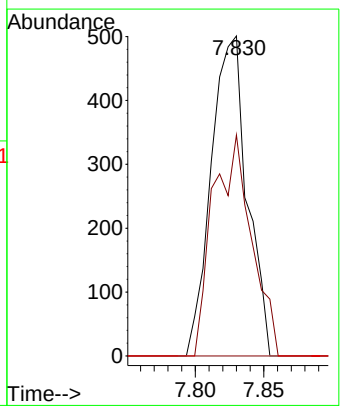


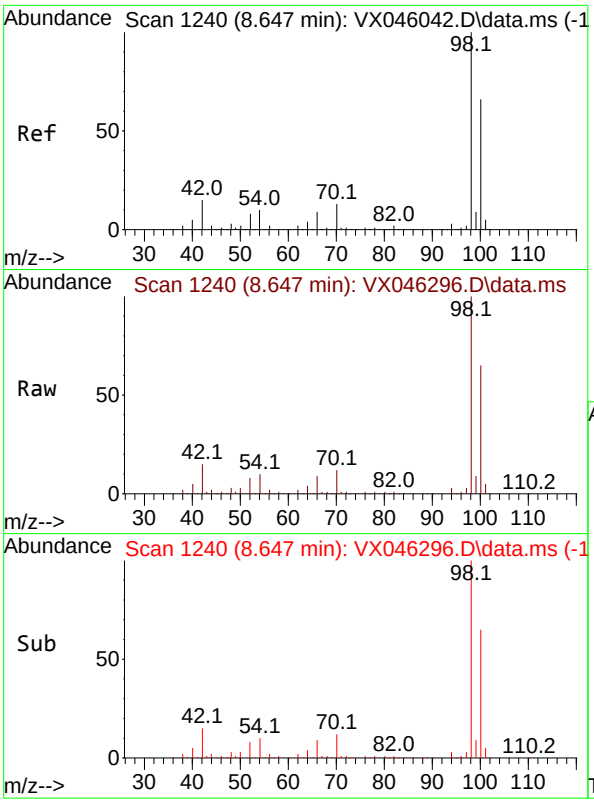


#47
Bromodichloromethane
Concen: 0.622 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.012 min
Lab File: VX046296.D
Acq: 21 May 2025 14:42

Tgt Ion: 83 Resp: 915

Ion	Ratio	Lower	Upper
83	100		
85	69.1	50.5	75.7
127	0.0	6.5	9.7#



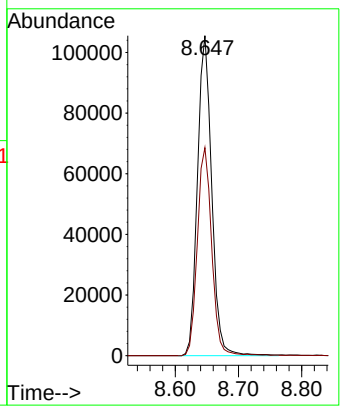


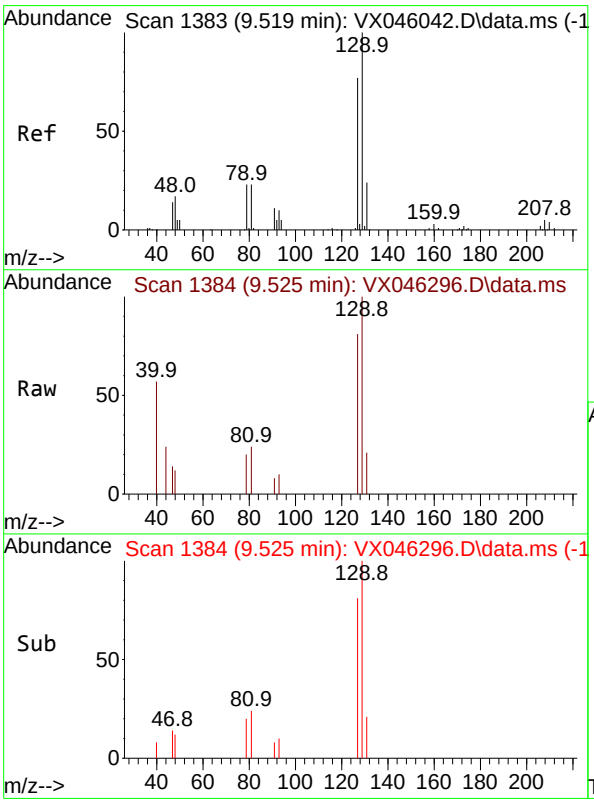
#50
Toluene-d8
Concen: 49.460 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046296.D
Acq: 21 May 2025 14:42

Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250516

Tgt Ion: 98 Resp: 165672

Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.5	80.3

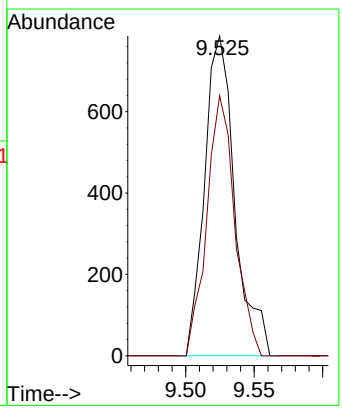


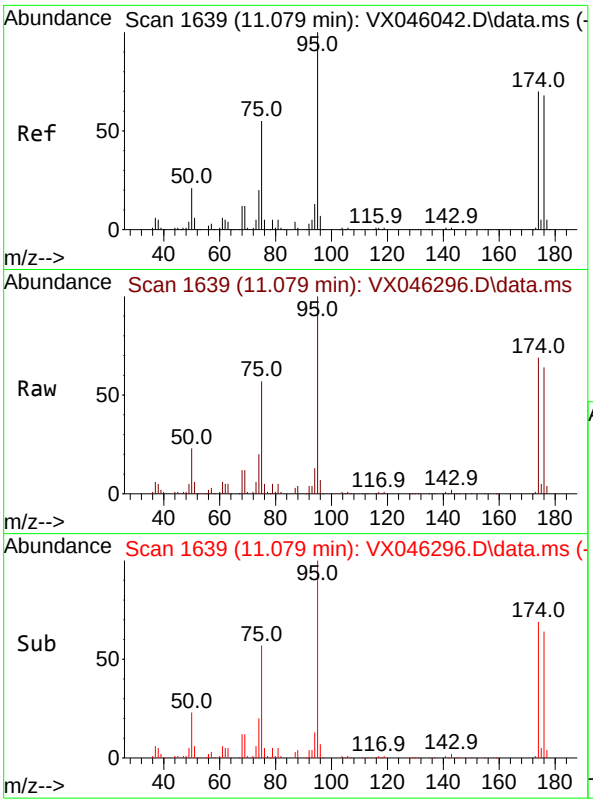


#60
Dibromochloromethane
Concen: 1.197 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX046296.D
Acq: 21 May 2025 14:42

Tgt Ion:129 Resp: 1211

Ion	Ratio	Lower	Upper
129	100		
127	75.1	39.3	117.8



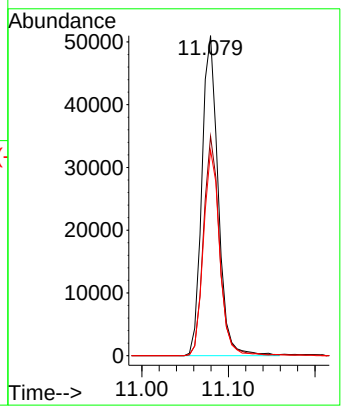


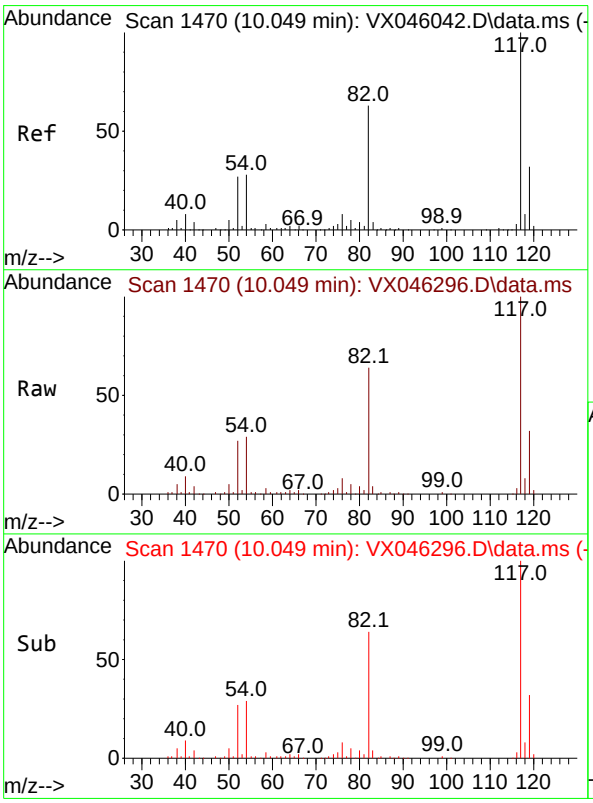
#62
4-Bromofluorobenzene
Concen: 51.802 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046296.D
Acq: 21 May 2025 14:42

Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250516

Tgt Ion: 95 Resp: 66559

Ion	Ratio	Lower	Upper
95	100		
174	67.5	0.0	135.8
176	64.0	0.0	131.4

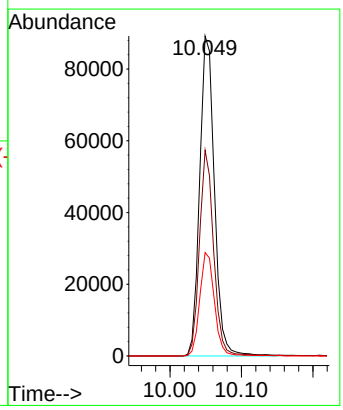


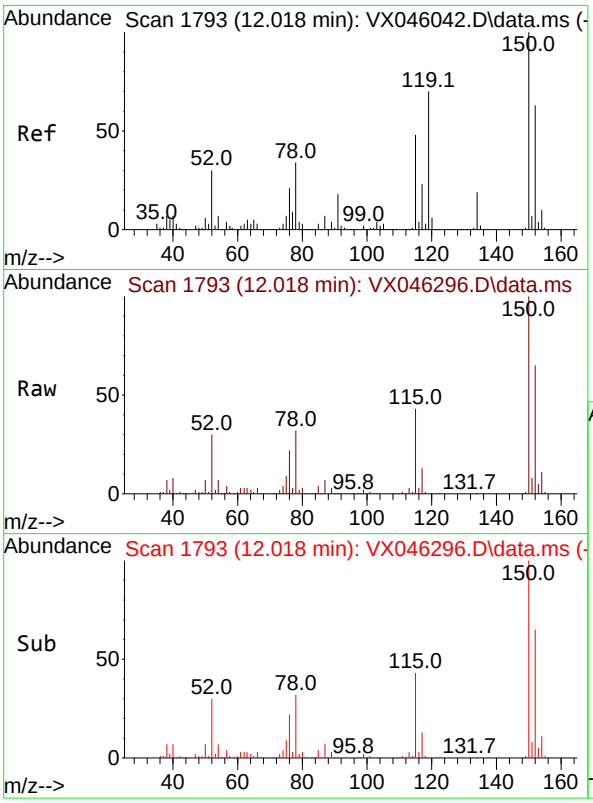


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046296.D
Acq: 21 May 2025 14:42

Tgt Ion:117 Resp: 128060

Ion	Ratio	Lower	Upper
117	100		
82	64.3	50.6	76.0
119	32.3	25.8	38.6



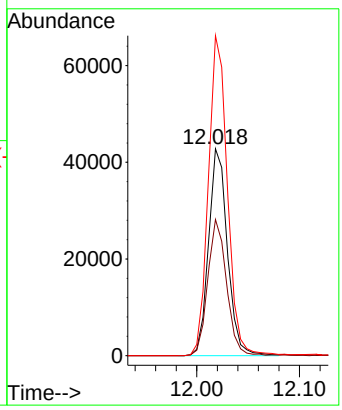


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046296.D
Acq: 21 May 2025 14:42

Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250516

Tgt Ion:152 Resp: 54802

Ion	Ratio	Lower	Upper
152	100		
115	65.8	46.9	140.7
150	156.1	0.0	351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046296.D
Acq On : 21 May 2025 14:42
Operator : JC/MD
Sample : Q2082-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250516

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046296.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.587	69	82	88	rVB3	4386	11975	2.57%	0.476%
2	5.385	693	705	721	rBV2	56293	165045	35.49%	6.563%
3	5.544	721	731	750	rVB	80320	228521	49.13%	9.087%
4	5.952	787	798	812	rBV	67311	170611	36.68%	6.784%
5	6.757	921	930	941	rBV	140596	340004	73.10%	13.520%
6	8.647	1234	1240	1254	rBV	292875	465099	100.00%	18.494%
7	10.049	1465	1470	1486	rBV	309406	436080	93.76%	17.340%
8	11.079	1634	1639	1649	rBV	251382	322847	69.41%	12.837%
9	12.018	1788	1793	1805	rBV	293690	374709	80.57%	14.900%

Sum of corrected areas: 2514891

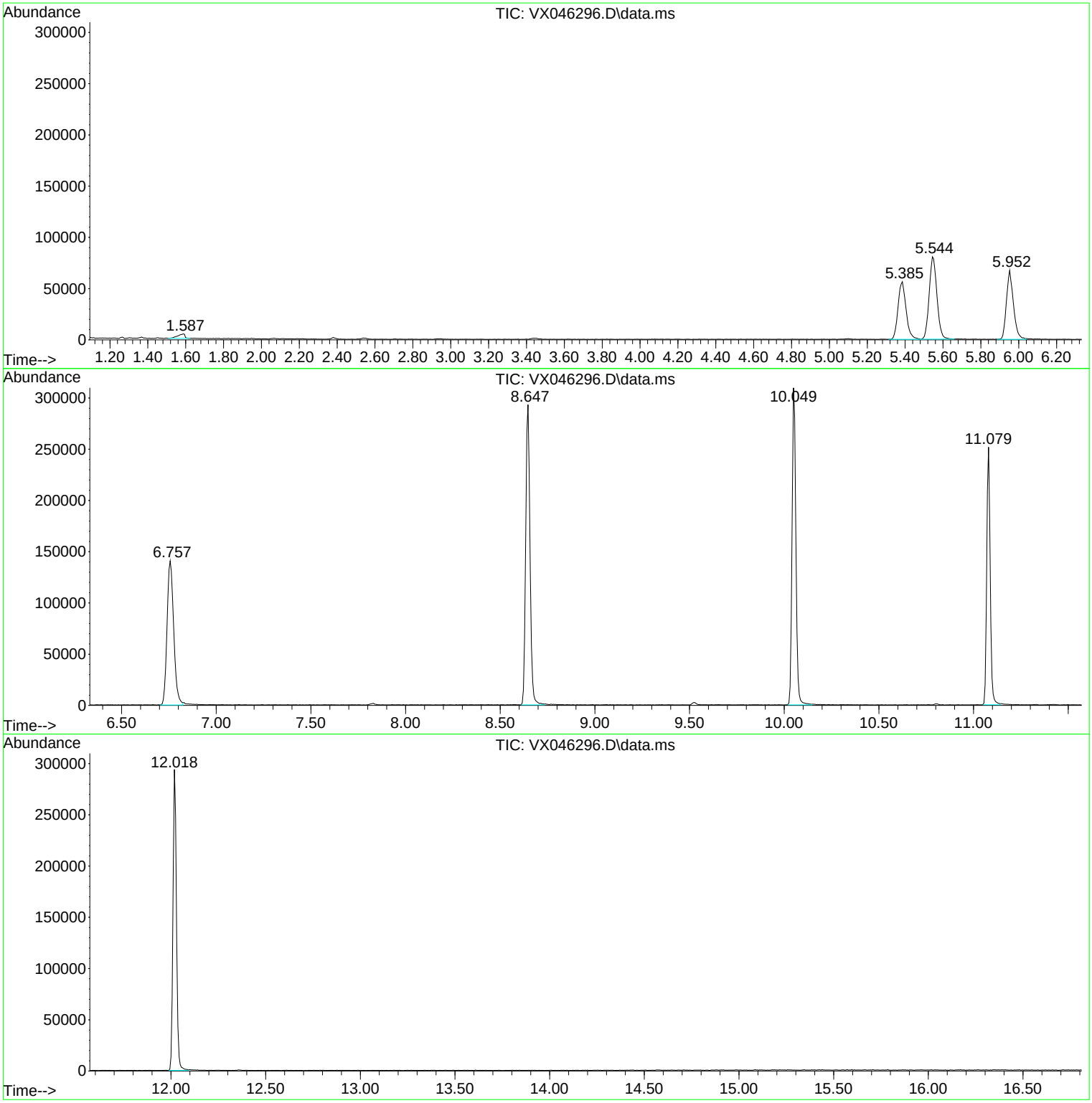
Sample Results: **VX046296.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046296.D
Acq On : 21 May 2025 14:42
Operator : JC/MD
Sample : Q2082-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250516

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046296.D
Acq On : 21 May 2025 14:42
Operator : JC/MD
Sample : Q2082-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250516

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046296.D
Acq On : 21 May 2025 14:42
Operator : JC/MD
Sample : Q2082-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VPB182-HYD-20250516

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2082 SAS No.: Q2082 SDG No.: Q2082

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

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

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
Chloromethane	0.727	0.775	0.787	0.791	0.679	0.694	0.742	6.6
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2
Bromomethane	0.296	0.326	0.340	0.334	0.305		0.320	5.8
Chloroethane	0.354	0.378	0.329	0.317	0.368	0.467	0.369	14.4
Trichlorofluoromethane	1.035	1.068	0.983	0.985	0.990	1.064	1.021	3.9
1,1,2-Trichlorotrifluoroethane	0.628	0.641	0.629	0.648	0.610	0.633	0.632	2.1
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9
Acetone	0.361	0.362	0.361	0.370	0.408	0.380	0.374	4.9
Carbon Disulfide	1.295	1.455	1.522	1.597	1.141	1.423	1.406	11.7
Methyl tert-butyl Ether	2.044	2.160	2.172	2.239	1.908	1.949	2.079	6.4
Methylene Chloride	0.689	0.684	0.691	0.691	0.689	0.853	0.716	9.4
trans-1,2-Dichloroethene	0.573	0.610	0.612	0.622	0.557	0.604	0.596	4.3
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6
2-Butanone	0.540	0.555	0.558	0.569	0.539	0.495	0.543	4.8
Carbon Tetrachloride	0.528	0.558	0.552	0.577	0.505	0.541	0.544	4.6
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6
Methylcyclohexane	0.596	0.641	0.627	0.658	0.587	0.627	0.623	4.3
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3
1,2-Dichloropropane	0.356	0.371	0.368	0.378	0.324	0.317	0.352	7.4
Bromodichloromethane	0.557	0.577	0.573	0.594	0.498	0.485	0.547	8.2
4-Methyl-2-Pentanone	0.620	0.634	0.630	0.631	0.555	0.561	0.605	6
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5
t-1,3-Dichloropropene	0.468	0.528	0.555	0.591	0.406	0.371	0.487	17.9
cis-1,3-Dichloropropene	0.531	0.578	0.602	0.623	0.469	0.423	0.538	14.6
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3
2-Hexanone	0.466	0.473	0.477	0.473	0.414	0.385	0.448	8.7

* 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.

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: TETR06

Lab Code: CHEM Case No.: Q2082 SAS No.: Q2082 SDG No.: Q2082

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

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

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
Dibromochloromethane	0.378	0.400	0.415	0.431	0.326	0.306	0.376	13.3
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8
Chlorobenzene	1.093	1.098	1.085	1.114	1.046	1.131	1.094	2.7
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7
Styrene	1.135	1.219	1.214	1.230	1.012	0.951	1.127	10.6
Bromoform	0.270	0.304	0.312	0.327	0.236	0.234	0.281	14.2
Isopropylbenzene	3.843	4.130	3.876	4.156	3.562	3.789	3.893	5.7
1,1,2,2-Tetrachloroethane	1.315	1.338	1.284	1.345	1.350	1.552	1.364	7
1,3-Dichlorobenzene	1.633	1.701	1.656	1.730	1.558	1.619	1.649	3.7
1,4-Dichlorobenzene	1.629	1.693	1.639	1.722	1.606	1.817	1.684	4.6
1,2-Dichlorobenzene	1.613	1.696	1.634	1.702	1.577	1.710	1.655	3.3
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4

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

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025
Response Via : Initial Calibration

Calibration Files
1 =VX046047.D 5 =VX046046.D 20 =VX046041.D 50 =VX046042.D 100 =VX046043.D 150 =VX046044.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.658	0.639	0.697	0.864	0.859	0.875	0.765	14.62
3)	P	Chloromethane	0.694	0.679	0.727	0.775	0.787	0.791	0.742	6.58
4)	C	Vinyl Chloride	0.673	0.619	0.660	0.710	0.727	0.755	0.691	7.17#
5)	T	Bromomethane		0.305	0.296	0.326	0.340	0.334	0.320	5.84
6)	T	Chloroethane	0.467	0.368	0.354	0.378	0.329	0.317	0.369	14.44
7)	T	Trichlorofluor...	1.064	0.990	1.035	1.068	0.983	0.985	1.021	3.92
8)	T	Diethyl Ether	0.403	0.311	0.340	0.337	0.338	0.355	0.347	8.83
9)	T	1,1,2-Trichlor...	0.633	0.610	0.628	0.641	0.629	0.648	0.632	2.10
10)	T	Methyl Iodide		0.608	0.767	0.806	0.793	0.763	0.747	10.68
11)	T	Tert butyl alc...		0.114	0.122	0.129	0.144	0.146	0.131	10.45
12)	CM	1,1-Dichloroet...	0.594	0.567	0.565	0.601	0.607	0.625	0.593	3.94#
13)	T	Acrolein		0.117	0.158	0.152	0.154	0.163	0.149	12.33
14)	T	Allyl chloride	1.052	1.058	1.127	1.179	1.187	1.196	1.133	5.75
15)	T	Acrylonitrile	0.363	0.345	0.378	0.388	0.381	0.390	0.374	4.52
16)	T	Acetone	0.380	0.408	0.361	0.362	0.361	0.370	0.374	4.90
17)	T	Carbon Disulfide	1.423	1.141	1.295	1.455	1.522	1.597	1.406	11.68
18)	T	Methyl Acetate	1.006	0.816	0.814	0.848	0.845	0.875	0.867	8.27
19)	T	Methyl tert-bu...	1.949	1.908	2.044	2.160	2.172	2.239	2.079	6.39
20)	T	Methylene Chlo...	0.853	0.689	0.689	0.684	0.691	0.691	0.716	9.39
21)	T	trans-1,2-Dich...	0.604	0.557	0.573	0.610	0.612	0.622	0.596	4.27
22)	T	Diisopropyl ether	2.095	1.924	2.219	2.278	2.295	2.321	2.189	6.97
23)	T	Vinyl Acetate	1.660	1.698	1.928	2.048	2.082	2.134	1.925	10.52
24)	P	1,1-Dichloroet...	1.116	1.154	1.233	1.263	1.263	1.286	1.219	5.60
25)	T	2-Butanone	0.495	0.539	0.540	0.555	0.558	0.569	0.543	4.77
26)	T	2,2-Dichloropr...	0.965	0.850	0.910	0.957	1.003	1.039	0.954	7.03
27)	T	cis-1,2-Dichlo...	0.719	0.642	0.716	0.737	0.738	0.755	0.718	5.55
28)	T	Bromochloromet...	0.576	0.553	0.628	0.578	0.595	0.590	0.587	4.28
29)	T	Tetrahydrofuran	0.318	0.318	0.340	0.350	0.351	0.362	0.340	5.36
30)	C	Chloroform	1.265	1.199	1.287	1.296	1.277	1.300	1.271	2.95#
31)	T	Cyclohexane		1.059	1.090	1.128	1.128	1.150	1.111	3.26
32)	T	1,1,1-Trichlor...	1.015	1.013	1.106	1.131	1.155	1.188	1.101	6.60
33)	S	1,2-Dichloroet...		0.935	0.953	0.910	0.930	0.932	0.932	1.65
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.354	0.359	0.355	0.364	0.368	0.360	1.70
36)	T	1,1-Dichloropr...	0.493	0.462	0.463	0.495	0.483	0.505	0.484	3.68
37)	T	Ethyl Acetate	0.586	0.582	0.569	0.611	0.609	0.631	0.598	3.83
38)	T	Carbon Tetrach...	0.541	0.505	0.528	0.558	0.552	0.577	0.544	4.61
39)	T	Methylcyclohexane	0.627	0.587	0.596	0.641	0.627	0.658	0.623	4.34
40)	TM	Benzene	1.348	1.337	1.426	1.474	1.441	1.477	1.417	4.30
41)	T	Methacrylonitrile	0.233	0.288	0.318	0.346	0.343	0.348	0.313	14.50
42)	TM	1,2-Dichloroet...	0.579	0.594	0.632	0.627	0.611	0.625	0.612	3.45
43)	T	Isopropyl Acetate	0.764	0.826	0.905	0.963	0.982	1.030	0.912	11.05
44)	TM	Trichloroethene	0.324	0.315	0.344	0.355	0.345	0.362	0.341	5.28
45)	C	1,2-Dichloropr...	0.317	0.324	0.356	0.371	0.368	0.378	0.352	7.37#
46)	T	Dibromomethane	0.263	0.262	0.285	0.287	0.280	0.289	0.278	4.35
47)	T	Bromodichlorom...	0.485	0.498	0.557	0.577	0.573	0.594	0.547	8.22
48)	T	Methyl methacr...	0.370	0.426	0.465	0.502	0.500	0.531	0.466	12.75
49)	T	1,4-Dioxane	0.007	0.009	0.009	0.009	0.009	0.010	0.009	8.45
50)	S	Toluene-d8		1.221	1.246	1.223	1.266	1.275	1.246	1.95
51)	T	4-Methyl-2-Pen...	0.561	0.555	0.620	0.634	0.630	0.631	0.605	6.04
52)	CM	Toluene	0.803	0.838	0.884	0.898	0.885	0.904	0.869	4.54#
53)	T	t-1,3-Dichloro...	0.371	0.406	0.468	0.528	0.555	0.591	0.487	17.86
54)	T	cis-1,3-Dichlo...	0.423	0.469	0.531	0.578	0.602	0.623	0.538	14.61
55)	T	1,1,2-Trichlor...	0.308	0.337	0.349	0.354	0.351	0.356	0.343	5.30
56)	T	Ethyl methacry...	0.377	0.508	0.540	0.595	0.617	0.639	0.546	17.58

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X050525W.M

57)	T	1,3-Dichloropr...	0.610	0.601	0.618	0.623	0.613	0.627	0.615	1.53
58)	T	2-Chloroethyl ...	0.230	0.247	0.270	0.307	0.303	0.313	0.278	12.41
59)	T	2-Hexanone	0.385	0.414	0.466	0.473	0.477	0.473	0.448	8.69
60)	T	Dibromochlorom...	0.306	0.326	0.378	0.400	0.415	0.431	0.376	13.28
61)	T	1,2-Dibromoethane	0.322	0.333	0.359	0.373	0.368	0.381	0.356	6.54
62)	S	4-Bromofluorob...		0.464	0.455	0.470	0.500	0.500	0.478	4.41
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.347	0.323	0.390	0.375	0.345	0.344	0.354	6.84
65)	PM	Chlorobenzene	1.131	1.046	1.093	1.098	1.085	1.114	1.094	2.65
66)	T	1,1,1,2-Tetrac...	0.369	0.341	0.365	0.390	0.382	0.395	0.374	5.22
67)	C	Ethyl Benzene	1.803	1.816	1.919	2.022	1.979	2.036	1.929	5.24#
68)	T	m/p-Xylenes	0.648	0.678	0.706	0.740	0.721	0.740	0.706	5.21
69)	T	o-Xylene	0.642	0.639	0.688	0.727	0.706	0.726	0.688	5.75
70)	T	Styrene	0.951	1.012	1.135	1.219	1.214	1.230	1.127	10.56
71)	P	Bromoform	0.234	0.236	0.270	0.304	0.312	0.327	0.281	14.17
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.789	3.562	3.843	4.130	3.876	4.156	3.893	5.72
74)	T	N-amyl acetate	1.715	1.652	1.846	2.067	2.068	2.192	1.924	11.32
75)	P	1,1,2,2-Tetrac...	1.552	1.350	1.315	1.338	1.284	1.345	1.364	6.97
76)	T	1,2,3-Trichlor...	1.405	1.167	1.151	1.187	1.131	1.181	1.204	8.36
77)	T	Bromobenzene	0.926	0.862	0.896	0.928	0.883	0.928	0.904	3.08
78)	T	n-propylbenzene	4.272	4.186	4.394	4.854	4.583	4.868	4.526	6.45
79)	T	2-Chlorotoluene	3.184	2.748	2.832	2.994	2.805	2.953	2.919	5.45
80)	T	1,3,5-Trimethy...	3.036	3.053	3.275	3.487	3.255	3.405	3.252	5.60
81)	T	trans-1,4-Dich...		0.269	0.335	0.385	0.410	0.449	0.370	18.91
82)	T	4-Chlorotoluene	3.226	2.939	3.196	3.430	3.255	3.379	3.238	5.32
83)	T	tert-Butylbenzene	3.341	3.098	3.115	3.435	3.255	3.411	3.276	4.44
84)	T	1,2,4-Trimethy...	3.150	3.034	3.274	3.522	3.335	3.444	3.293	5.52
85)	T	sec-Butylbenzene	3.708	3.767	3.937	4.282	4.095	4.343	4.022	6.55
86)	T	p-Isopropyltol...	3.025	3.084	3.206	3.555	3.450	3.599	3.320	7.44
87)	T	1,3-Dichlorobe...	1.619	1.558	1.633	1.701	1.656	1.729	1.649	3.71
88)	T	1,4-Dichlorobe...	1.817	1.606	1.629	1.693	1.639	1.722	1.684	4.64
89)	T	n-Butylbenzene	2.443	2.650	2.748	3.147	3.139	3.346	2.912	12.00
90)	T	Hexachloroethane	0.511	0.523	0.551	0.622	0.622	0.680	0.585	11.44
91)	T	1,2-Dichlorobe...	1.710	1.577	1.613	1.696	1.634	1.702	1.655	3.34
92)	T	1,2-Dibromo-3-...	0.259	0.248	0.299	0.322	0.329	0.356	0.302	13.89
93)	T	1,2,4-Trichlor...	0.862	0.842	0.861	0.981	1.035	1.123	0.951	12.03
94)	T	Hexachlorobuta...	0.393	0.414	0.394	0.427	0.418	0.445	0.415	4.79
95)	T	Naphthalene	3.499	2.929	3.204	3.613	3.690	3.984	3.487	10.69
96)	T	1,2,3-Trichlor...	0.941	0.846	0.921	1.019	1.051	1.107	0.981	9.74

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	83671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147096	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	31909	12.820	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	25.640%#		
35) Dibromofluoromethane	5.385	113	21112	12.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	25.600%#		
50) Toluene-d8	8.646	98	73333	13.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	26.400%#		
62) 4-Bromofluorobenzene	11.079	95	26760	13.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	26.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	23341	12.638	ug/l	96
3) Chloromethane	1.306	50	24316	13.371	ug/l	98
4) Vinyl Chloride	1.373	62	22096	13.868	ug/l	94
5) Bromomethane	1.593	94	9920	12.279	ug/l	93
6) Chloroethane	1.666	64	11832	14.414	ug/l	95
7) Trichlorofluoromethane	1.873	101	34636	14.271	ug/l	100
8) Diethyl Ether	2.129	74	11392	14.278	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.324	101	21027	14.499	ug/l	98
10) Methyl Iodide	2.446	142	25661	15.070	ug/l	99
11) Tert butyl alcohol	2.971	59	20370	68.662	ug/l	97
12) 1,1-Dichloroethene	2.312	96	18899	13.385	ug/l	98
13) Acrolein	2.233	56	26427	76.689	ug/l	95
14) Allyl chloride	2.660	41	37708	14.133	ug/l	99
15) Acrylonitrile	3.062	53	63290	71.312	ug/l	98
16) Acetone	2.379	43	60363	70.884	ug/l	99
17) Carbon Disulfide	2.501	76	43348	13.251	ug/l	100
18) Methyl Acetate	2.702	43	27234	13.397	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	68402	13.890	ug/l	100
20) Methylene Chloride	2.782	84	23050	13.362	ug/l	96
21) trans-1,2-Dichloroethene	3.086	96	19161	13.294	ug/l	96
22) Diisopropyl ether	3.763	45	74257	14.896	ug/l	95
23) Vinyl Acetate	3.720	43	322598	73.230	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41257	14.082	ug/l	98
25) 2-Butanone	4.556	43	90331	73.489	ug/l	98
26) 2,2-Dichloropropane	4.470	77	30472	13.729	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	23970	13.791	ug/l	98
28) Bromochloromethane	4.897	49	21028	13.497	ug/l	99
29) Tetrahydrofuran	5.007	42	56819	71.175	ug/l	100
30) Chloroform	5.086	83	43065	14.144	ug/l	95
31) Cyclohexane	5.458	56	36470	14.769	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	37003	14.092	ug/l	98
36) 1,1-Dichloropropene	5.684	75	27242	14.231	ug/l	98
37) Ethyl Acetate	4.720	43	33458	13.931	ug/l	98
38) Carbon Tetrachloride	5.671	117	31091	14.137	ug/l	98
39) Methylcyclohexane	7.372	83	35077	14.623	ug/l	99
40) Benzene	6.031	78	83898	14.140	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.915	41	18732	14.038	ug/l		95
42) 1,2-Dichloroethane	6.080	62	37203	15.165	ug/l		100
43) Isopropyl Acetate	6.342	43	53275	14.512	ug/l		99
44) Trichloroethene	7.116	130	20239	14.429	ug/l		99
45) 1,2-Dichloropropane	7.427	63	20940	14.204	ug/l		98
46) Dibromomethane	7.580	93	16781	14.439	ug/l		99
47) Bromodichloromethane	7.817	83	32762	14.545	ug/l		94
48) Methyl methacrylate	7.689	41	27374	14.521	ug/l		100
49) 1,4-Dioxane	7.659	88	10585	282.442	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	182455	75.775	ug/l		98
52) Toluene	8.713	92	52030	14.788	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	27549	14.566	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	31226	14.154	ug/l		98
55) 1,1,2-Trichloroethane	9.152	97	20536	14.442	ug/l		96
56) Ethyl methacrylate	9.116	69	31787	14.425	ug/l		98
57) 1,3-Dichloropropane	9.305	76	36341	14.417	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	79531	80.312	ug/l		100
59) 2-Hexanone	9.427	43	137054	74.997	ug/l		99
60) Dibromochloromethane	9.518	129	22267	14.387	ug/l		99
61) 1,2-Dibromoethane	9.610	107	21113	14.458	ug/l		96
64) Tetrachloroethene	9.268	164	19924	15.263	ug/l		97
65) Chlorobenzene	10.079	112	55863	14.202	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	18671	14.231	ug/l		98
67) Ethyl Benzene	10.189	91	98113	14.631	ug/l		100
68) m/p-Xylenes	10.299	106	72202	29.806	ug/l		99
69) o-Xylene	10.640	106	35178	14.408	ug/l		96
70) Styrene	10.652	104	58034	14.853	ug/l		98
71) Bromoform	10.799	173	13825	14.030	ug/l	#	100
73) Isopropylbenzene	10.957	105	93013	14.096	ug/l		99
74) N-amyl acetate	10.841	43	44684	13.581	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	31830	13.560	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	27845m	11.039	ug/l		
77) Bromobenzene	11.195	156	21695	14.212	ug/l		96
78) n-propylbenzene	11.298	91	106337	14.376	ug/l		99
79) 2-Chlorotoluene	11.359	91	68534	13.748	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	79261	14.468	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	8104	13.371	ug/l		91
82) 4-Chlorotoluene	11.451	91	77338	14.116	ug/l		100
83) tert-Butylbenzene	11.713	119	75382	14.011	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	79232	14.480	ug/l		99
85) sec-Butylbenzene	11.890	105	95271	14.263	ug/l		100
86) p-Isopropyltoluene	12.006	119	77599	14.387	ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	39520	13.898	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	39419	14.146	ug/l		99
89) n-Butylbenzene	12.329	91	66506	14.184	ug/l		99
90) Hexachloroethane	12.536	117	13332	13.287	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	39031	14.092	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7232	13.535	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	20846	13.745	ug/l		99
94) Hexachlorobutadiene	13.725	225	9524	13.426	ug/l		97
95) Naphthalene	13.774	128	77542	14.040	ug/l		99
96) 1,2,3-Trichlorobenzene	13.956	180	22301	14.023	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

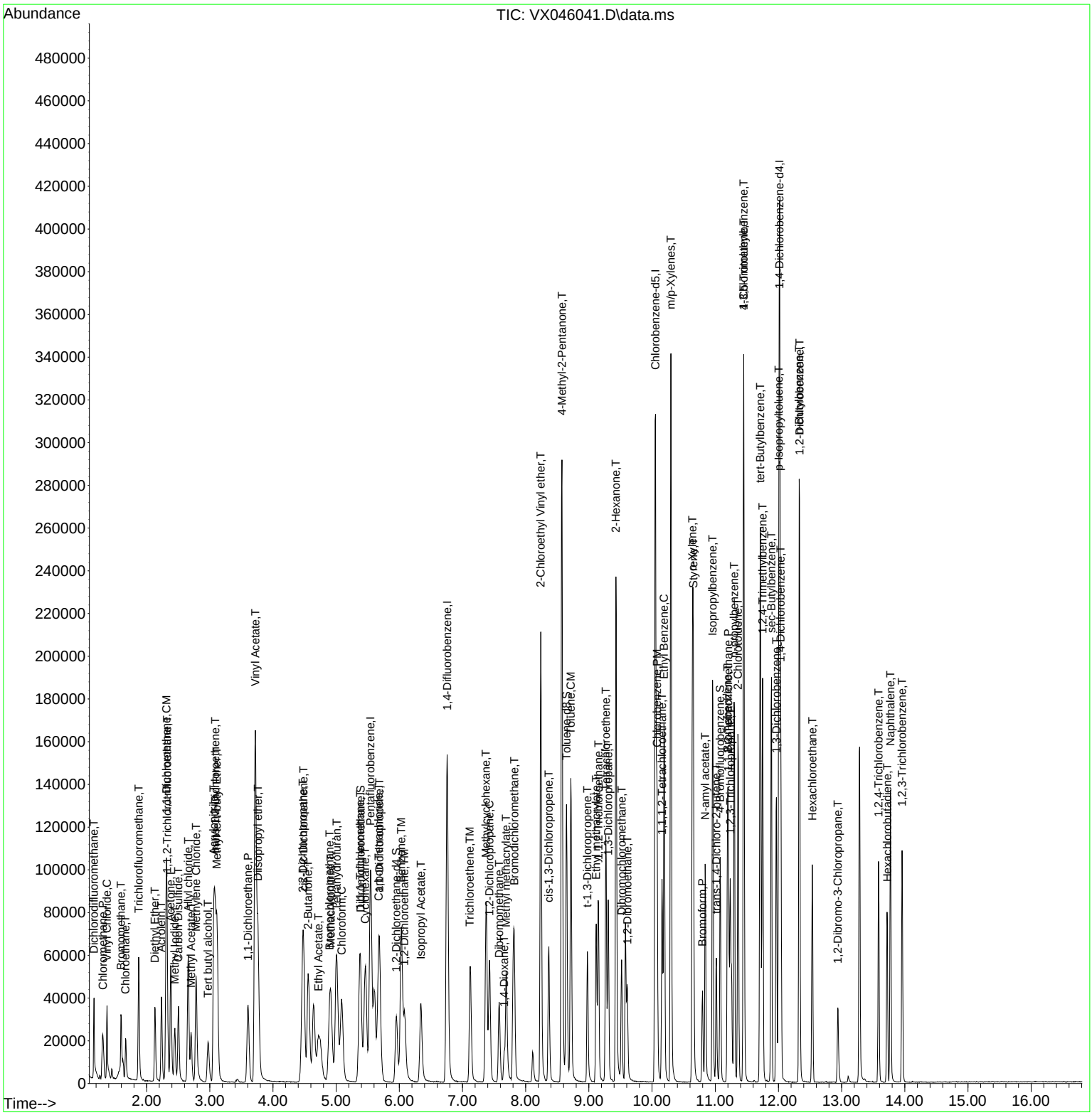
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

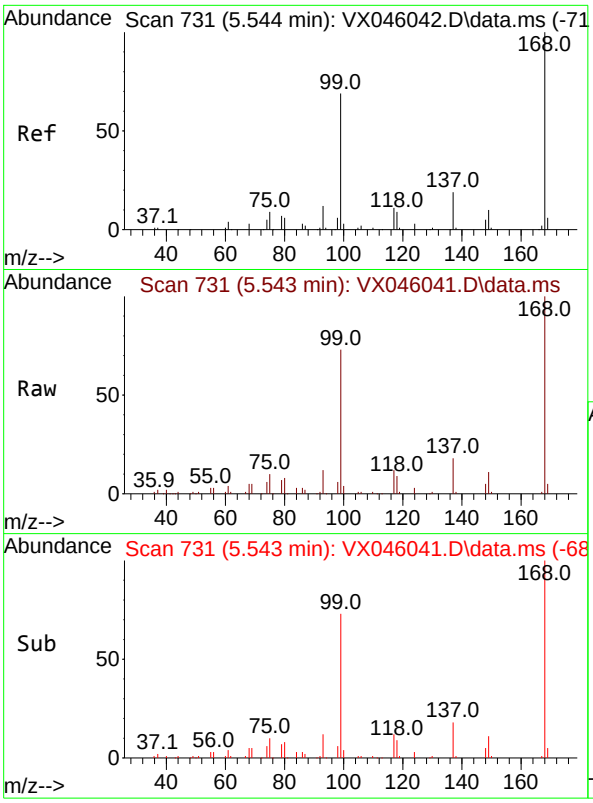
Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

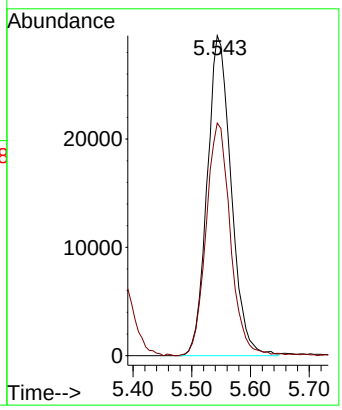




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:168 Resp: 8367

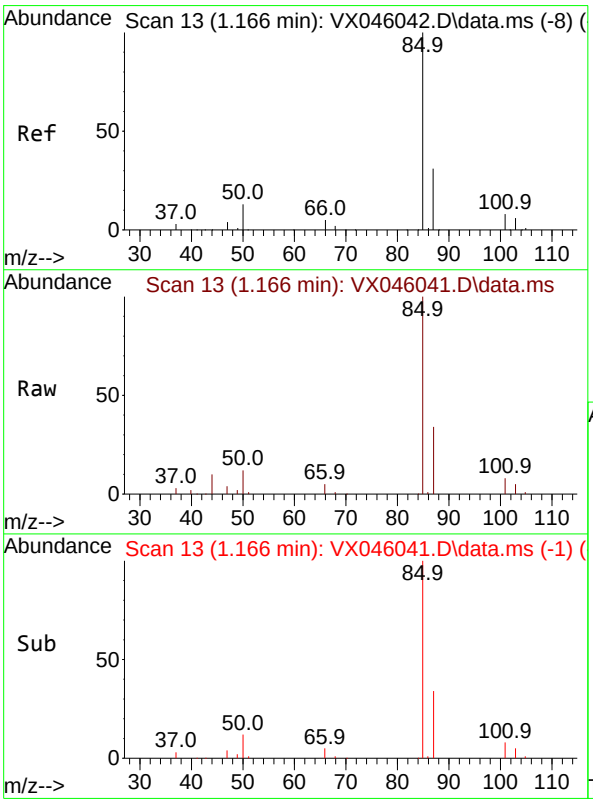
Ion	Ratio	Lower	Upper
168	100		
99	72.7	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

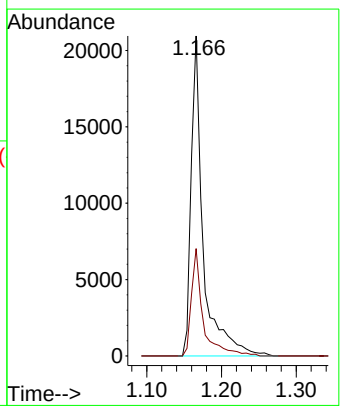
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

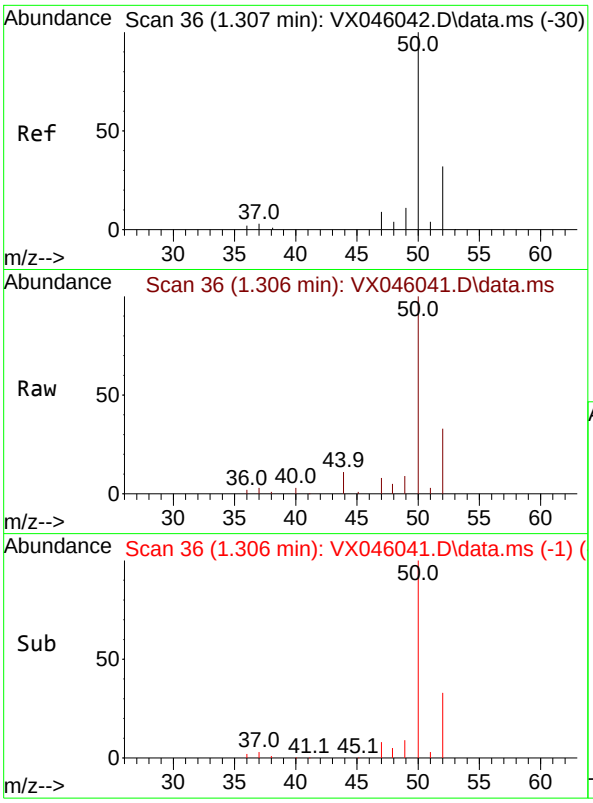


#2
Dichlorodifluoromethane
Concen: 12.638 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 85 Resp: 23341

Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.7	47.1

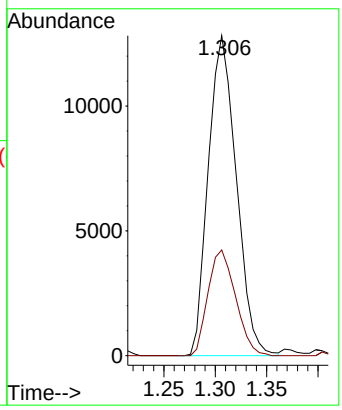




#3
Chloromethane
Concen: 13.371 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 50 Resp: 2431

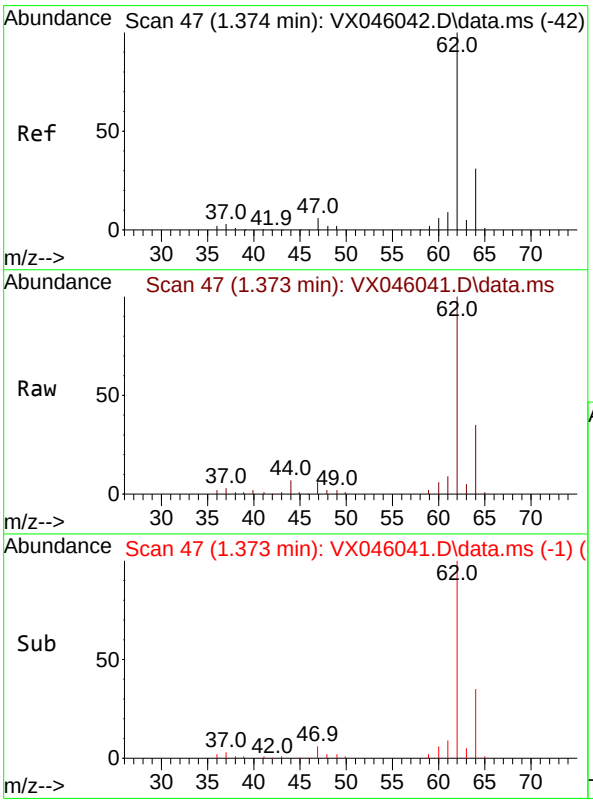
Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

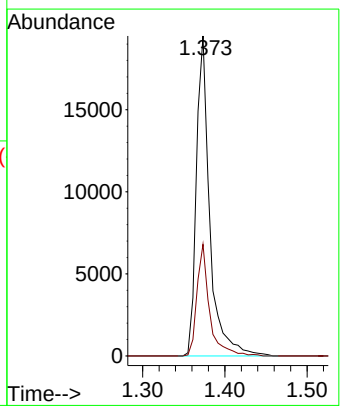
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

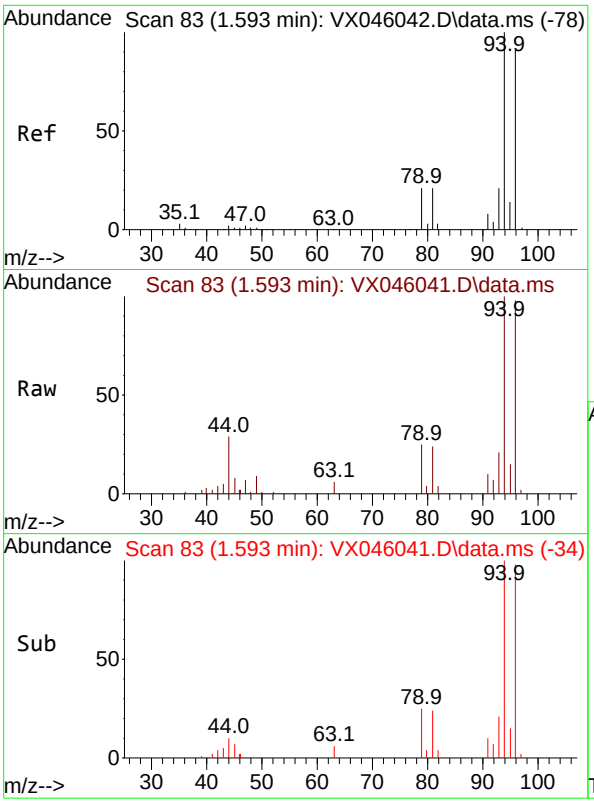


#4
Vinyl Chloride
Concen: 13.868 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 62 Resp: 22096

Ion	Ratio	Lower	Upper
62	100		
64	34.9	25.2	37.8

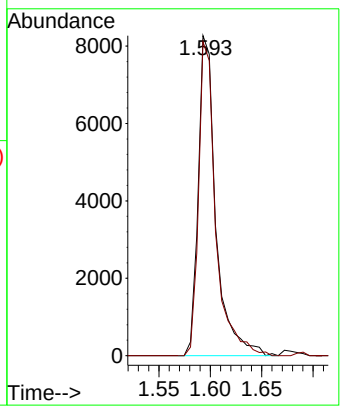




#5
Bromomethane
Concen: 12.279 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 94 Resp: 992

Ion	Ratio	Lower	Upper
94	100		
96	98.1	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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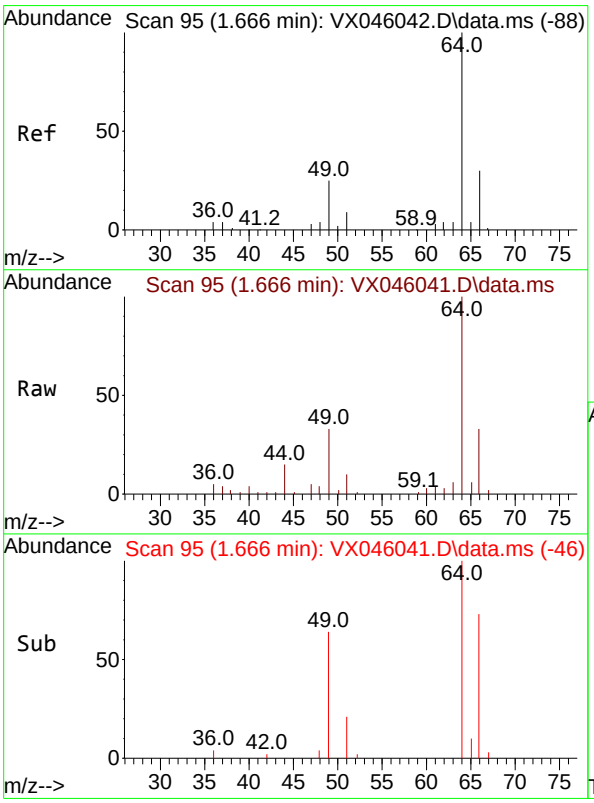
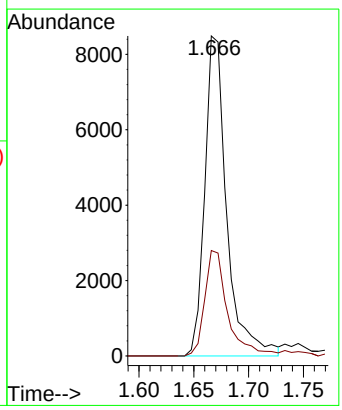
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

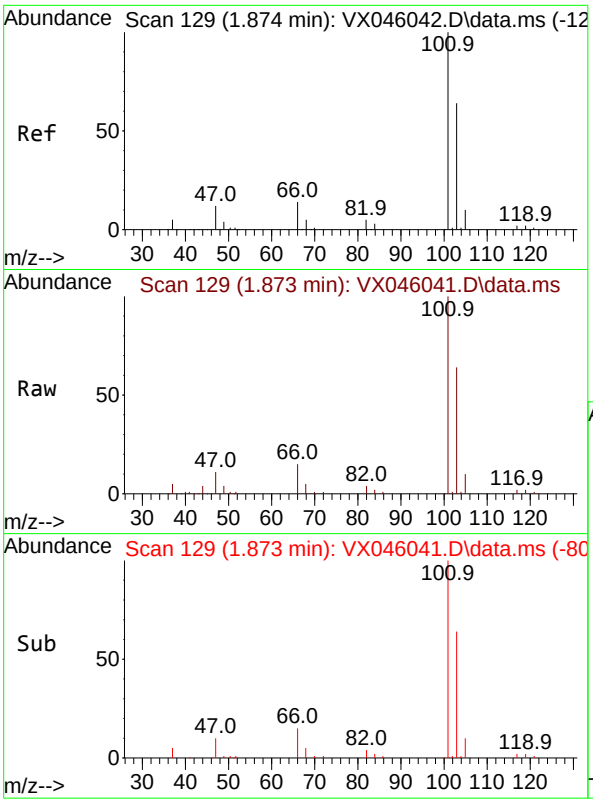


#6
Chloroethane
Concen: 14.414 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 64 Resp: 11832

Ion	Ratio	Lower	Upper
64	100		
66	32.9	24.3	36.5

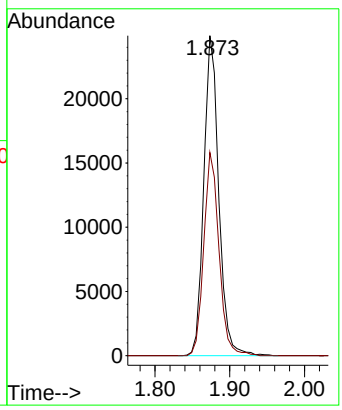




#7
Trichlorofluoromethane
Concen: 14.271 ug/l
RT: 1.873 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:101 Resp: 3463

Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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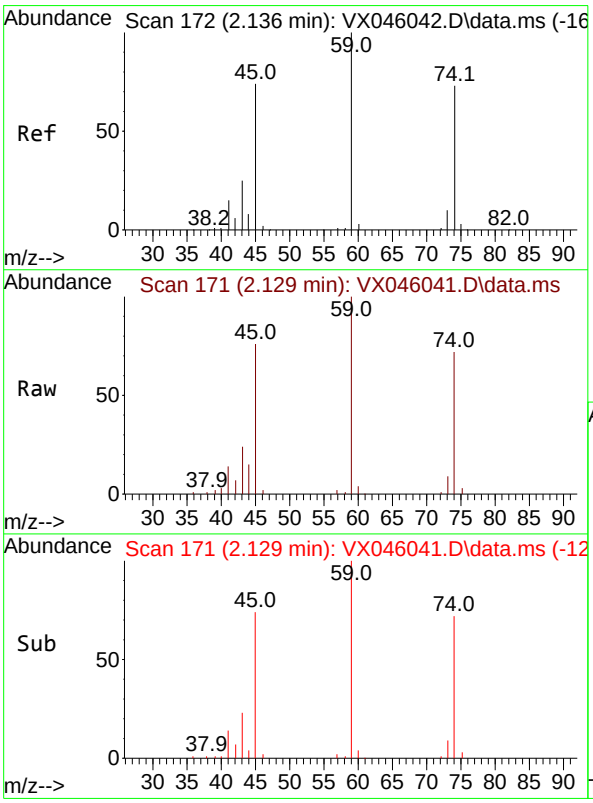
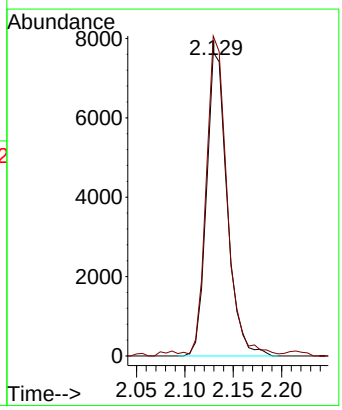
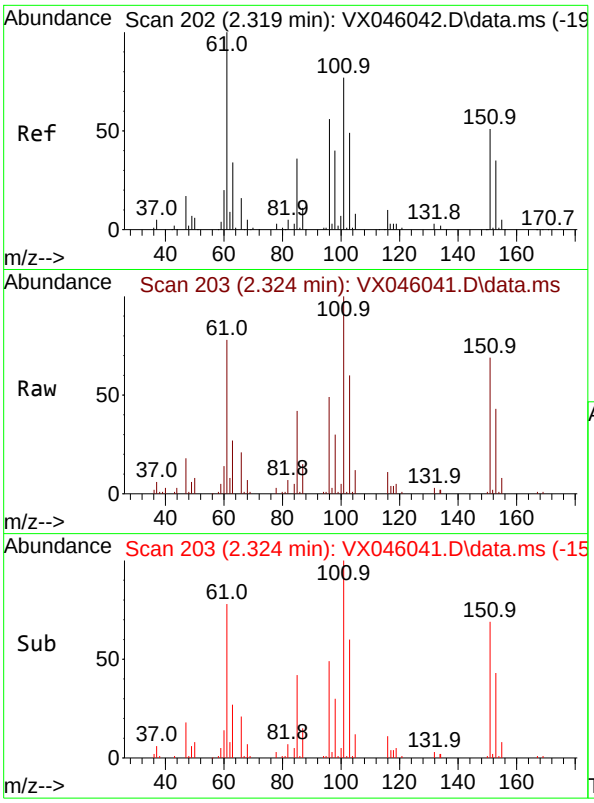


#8
Diethyl Ether
Concen: 14.278 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 74 Resp: 11392

Ion	Ratio	Lower	Upper
74	100		
45	103.7	54.9	164.8

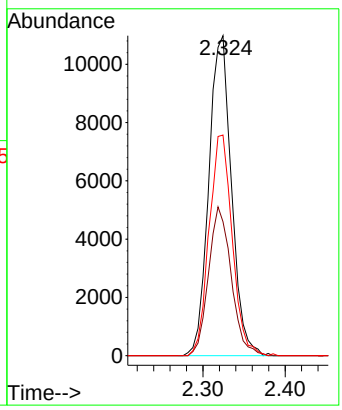




#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.499 ug/l
RT: 2.324 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:101 Resp: 2102

Ion	Ratio	Lower	Upper
101	100		
85	46.6	38.6	58.0
151	70.4	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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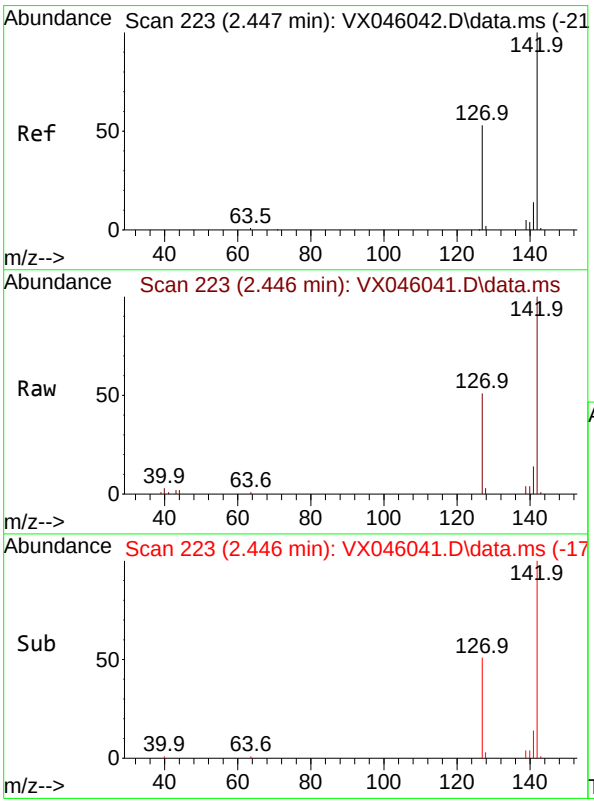
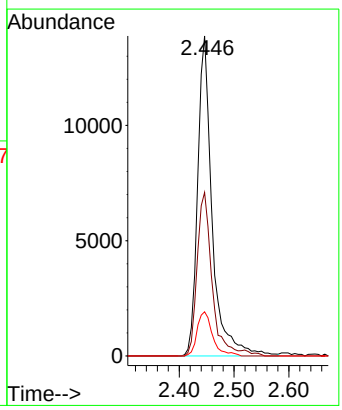
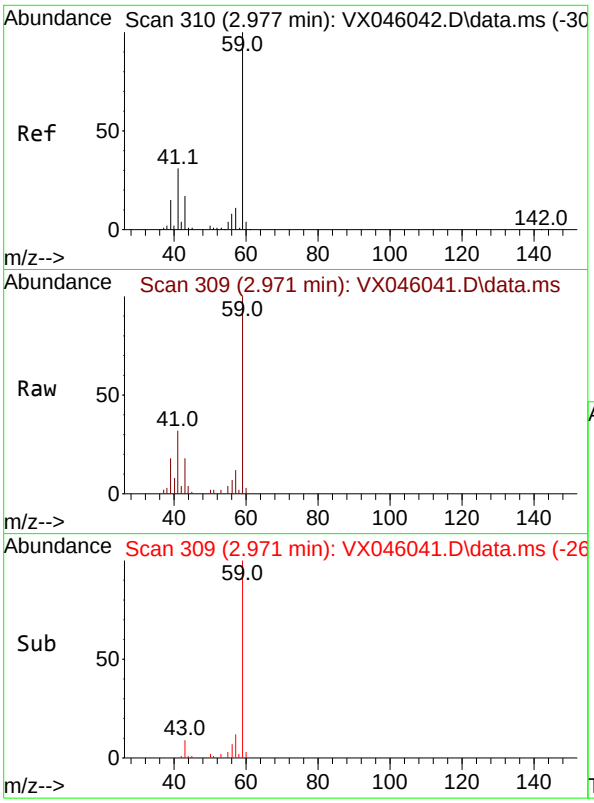


#10
Methyl Iodide
Concen: 15.070 ug/l
RT: 2.446 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:142 Resp: 25661

Ion	Ratio	Lower	Upper
142	100		
127	53.0	41.7	62.5
141	14.7	11.5	17.3

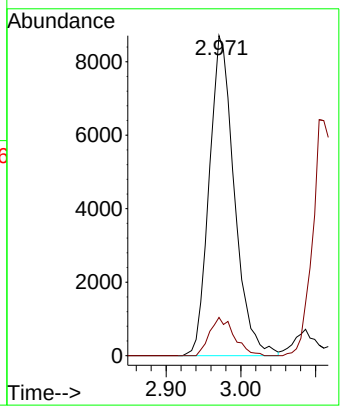




#11
Tert butyl alcohol
Concen: 68.662 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 59 Resp: 2037

Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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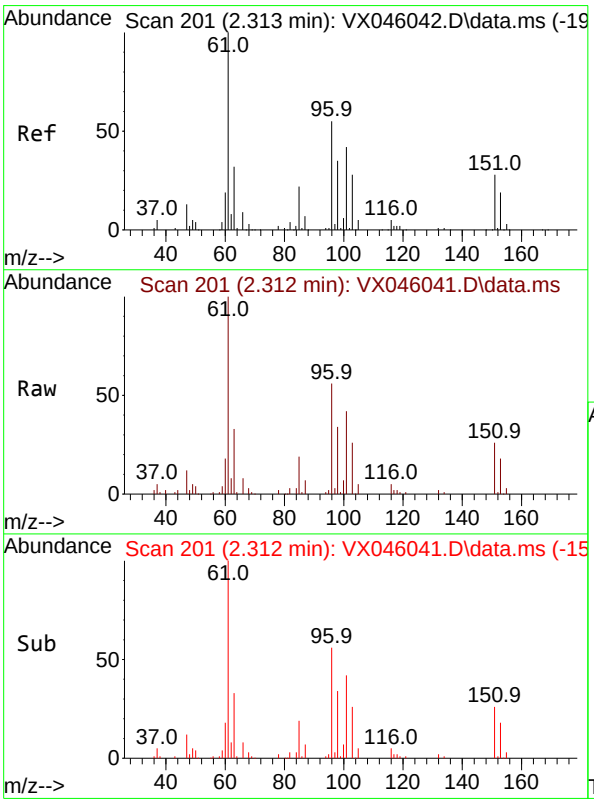
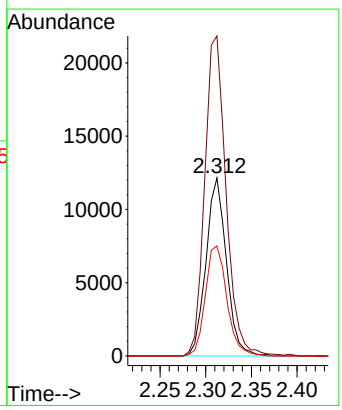
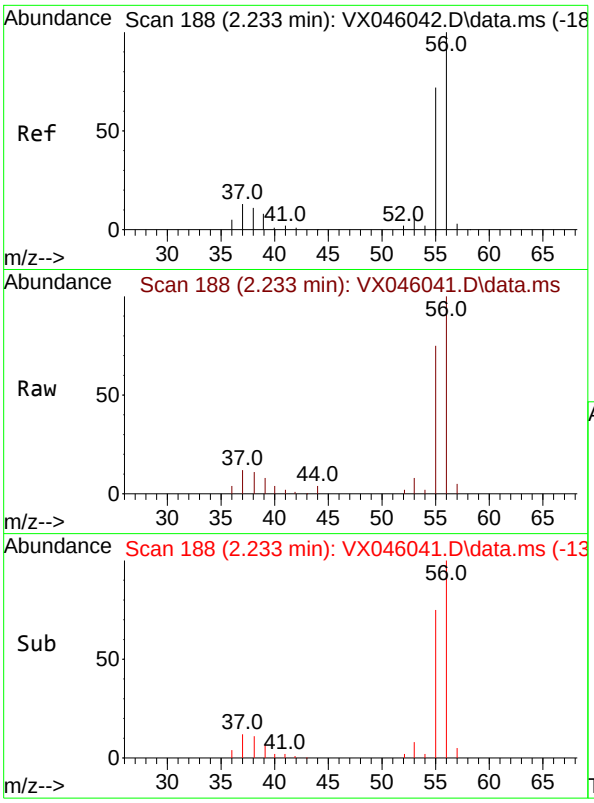


#12
1,1-Dichloroethene
Concen: 13.385 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 96 Resp: 18899

Ion	Ratio	Lower	Upper
96	100		
61	179.8	146.2	219.2
98	61.8	51.0	76.6

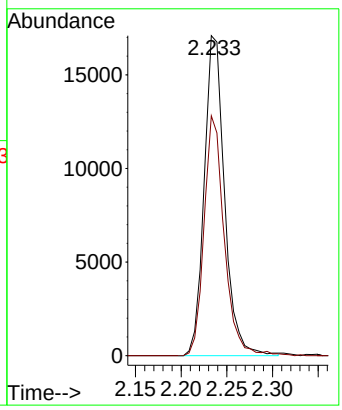




#13
Acrolein
Concen: 76.689 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 56 Resp: 2642

Ion	Ratio	Lower	Upper
56	100		
55	74.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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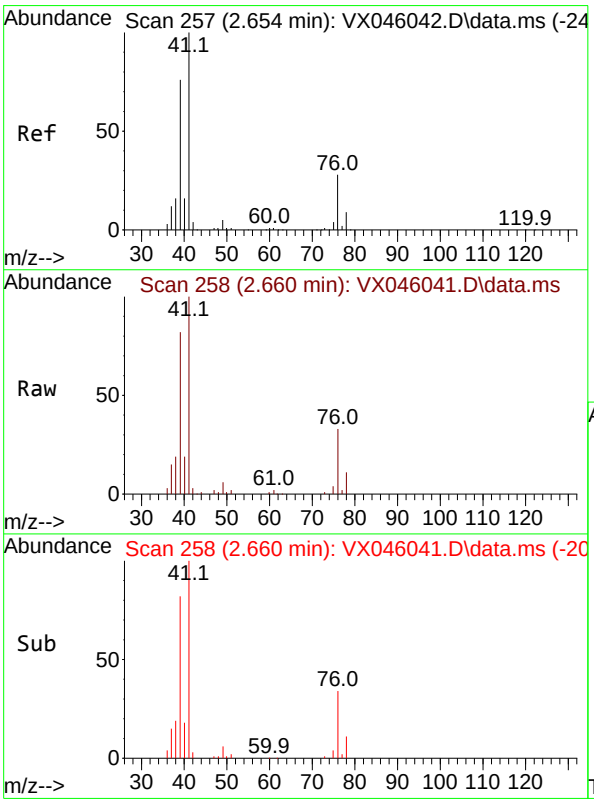
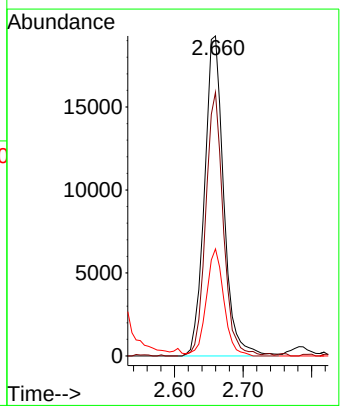
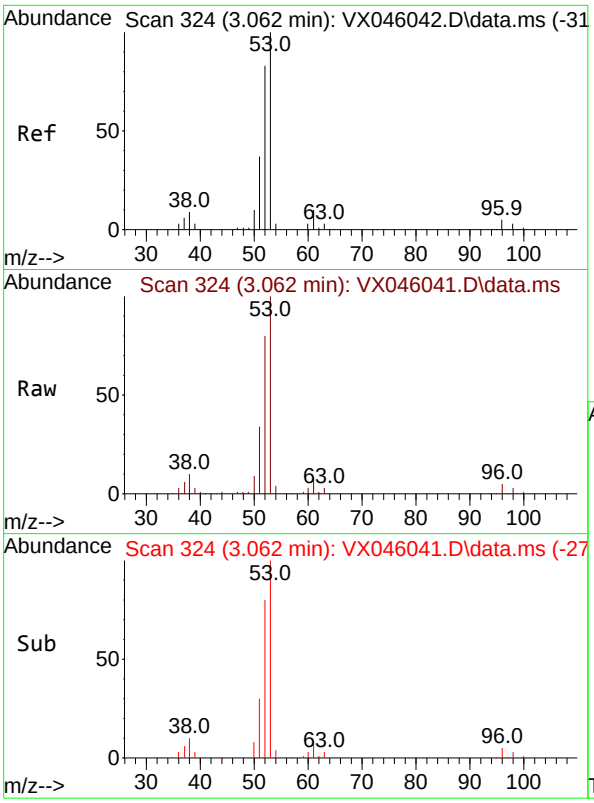


#14
Allyl chloride
Concen: 14.133 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 41 Resp: 37708

Ion	Ratio	Lower	Upper
41	100		
39	75.0	60.6	90.8
76	30.6	24.9	37.3

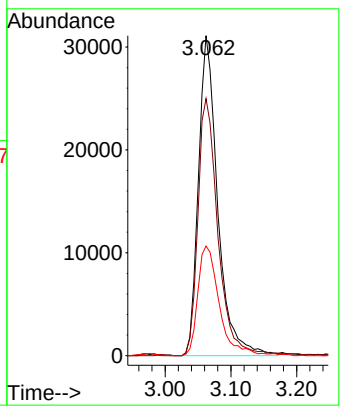




#15
Acrylonitrile
Concen: 71.312 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 53 Resp: 6329

Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.3	97.9
51	38.4	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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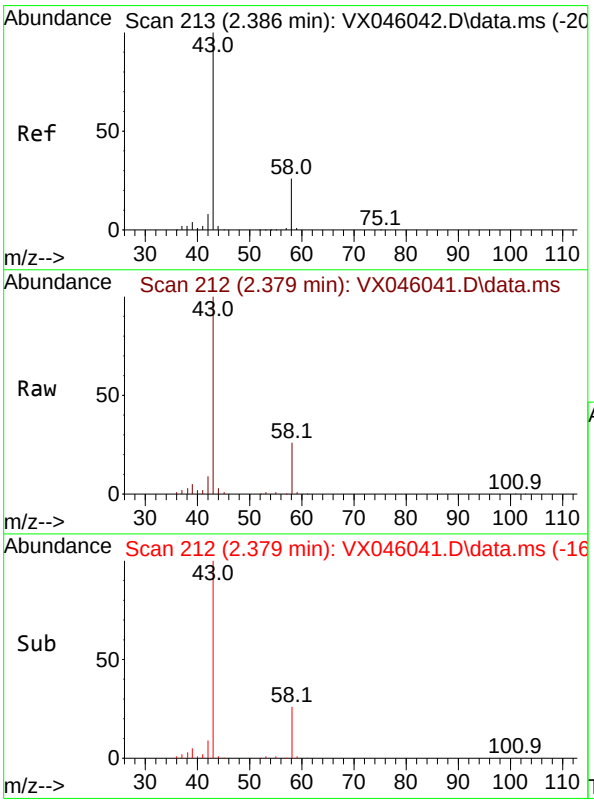
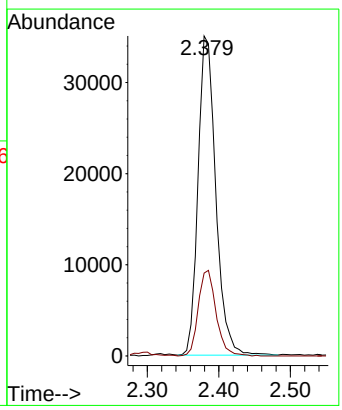
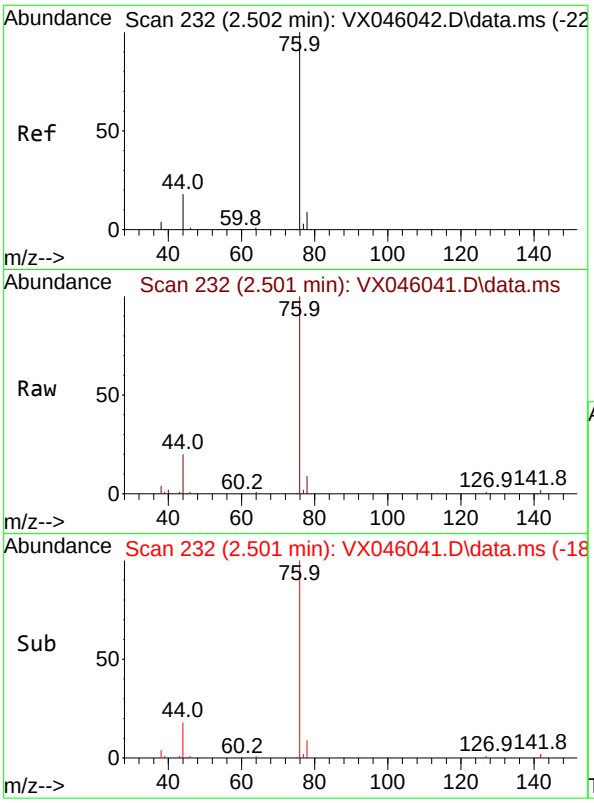


#16
Acetone
Concen: 70.884 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 60363

Ion	Ratio	Lower	Upper
43	100		
58	26.0	21.2	31.8

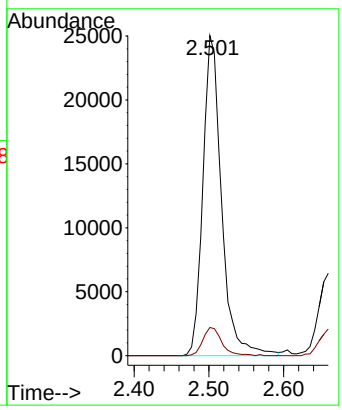




#17
Carbon Disulfide
Concen: 13.251 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 76 Resp: 4334

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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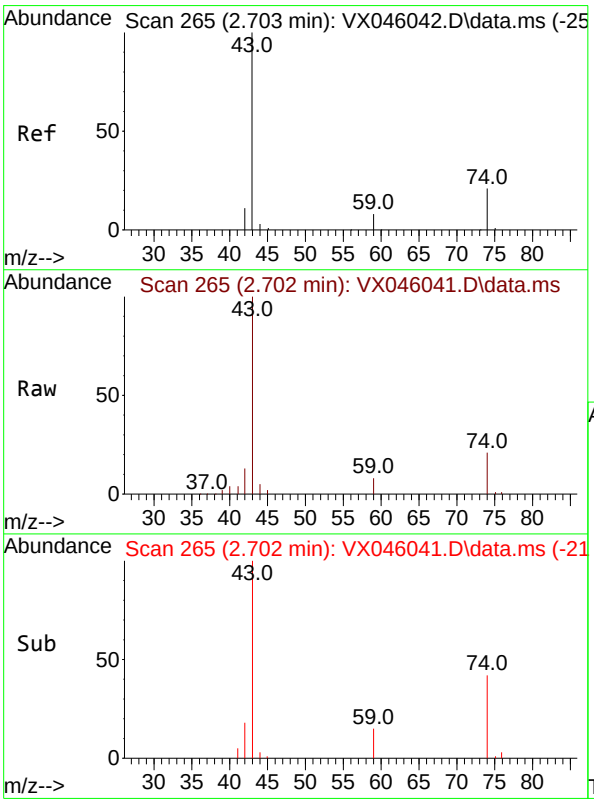
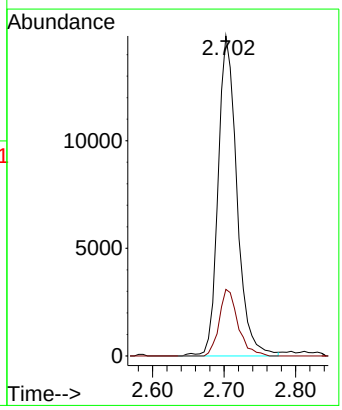
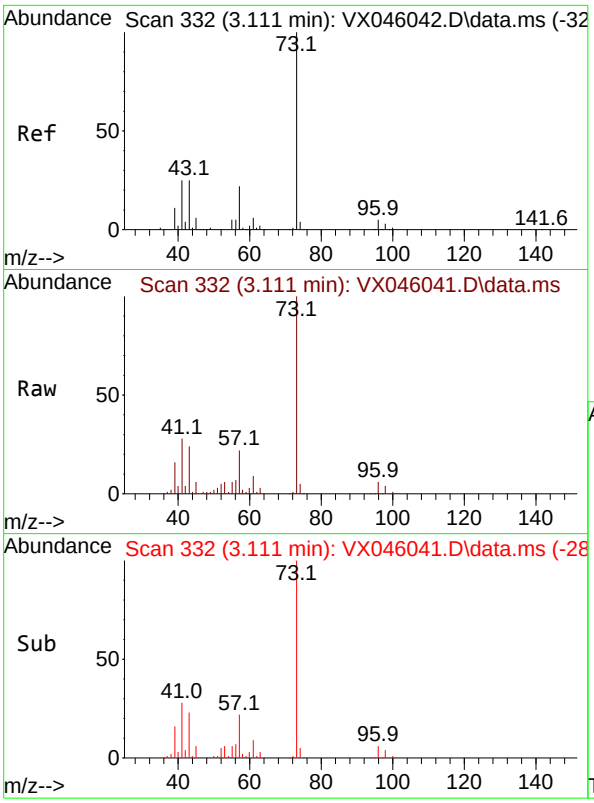


#18
Methyl Acetate
Concen: 13.397 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 27234

Ion	Ratio	Lower	Upper
43	100		
74	20.7	16.7	25.1

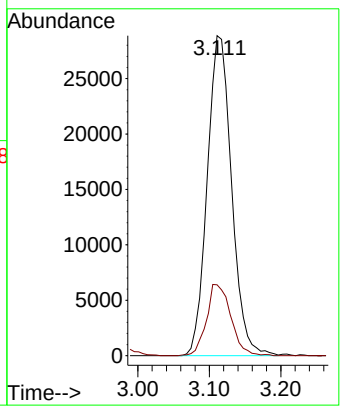




#19
Methyl tert-butyl Ether
Concen: 13.890 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 73 Resp: 6840

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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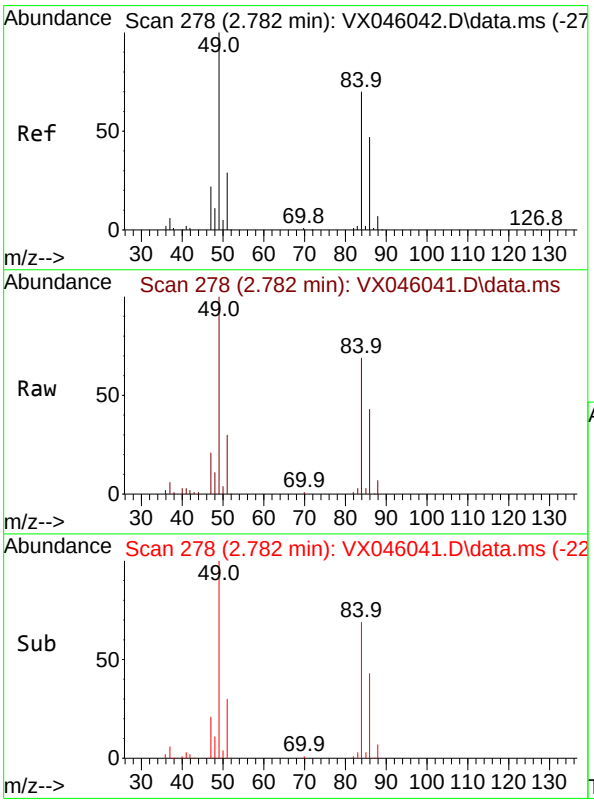
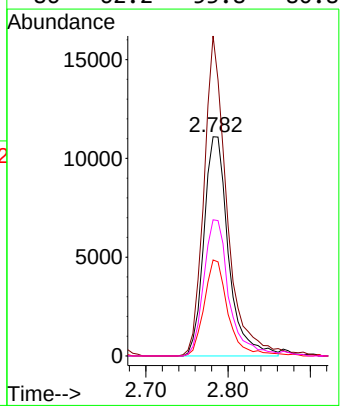
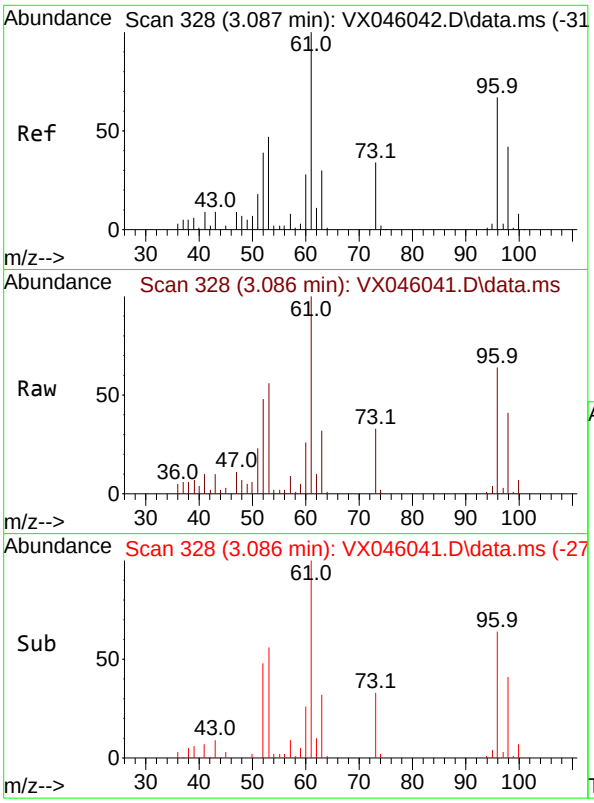


#20
Methylene Chloride
Concen: 13.362 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 84 Resp: 23050

Ion	Ratio	Lower	Upper
84	100		
49	146.0	113.9	170.9
51	43.8	33.5	50.3
86	62.2	53.8	80.8

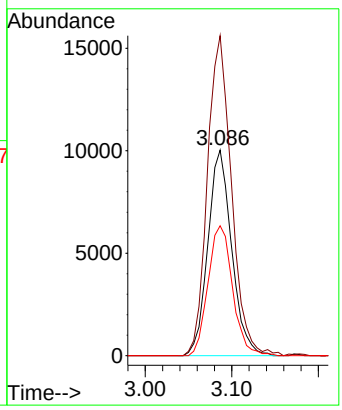




#21
trans-1,2-Dichloroethene
Concen: 13.294 ug/l
RT: 3.086 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 96 Resp: 1916

Ion	Ratio	Lower	Upper
96	100		
61	155.6	119.5	179.3
98	63.2	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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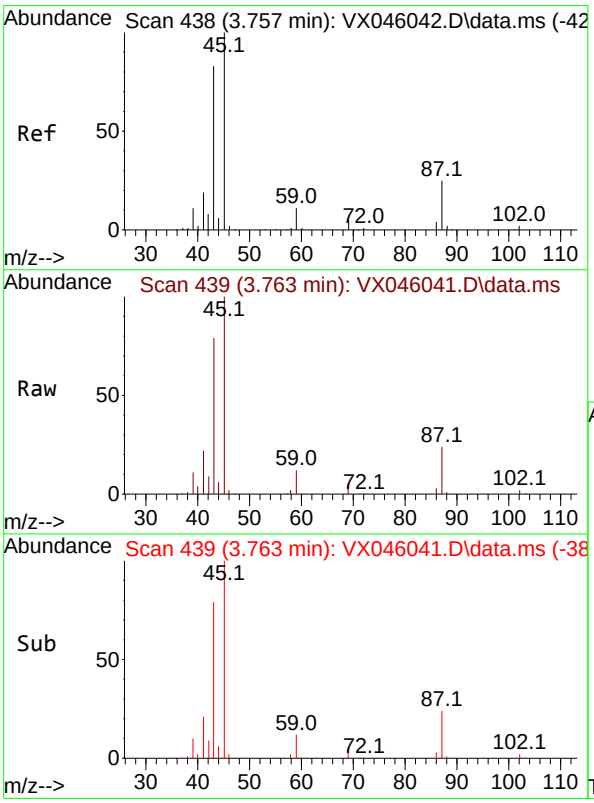
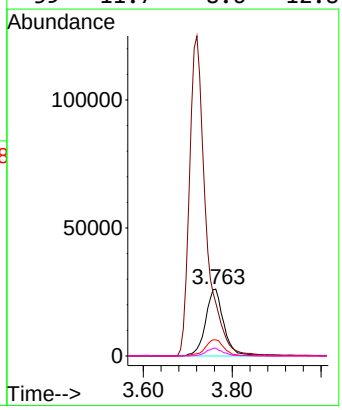
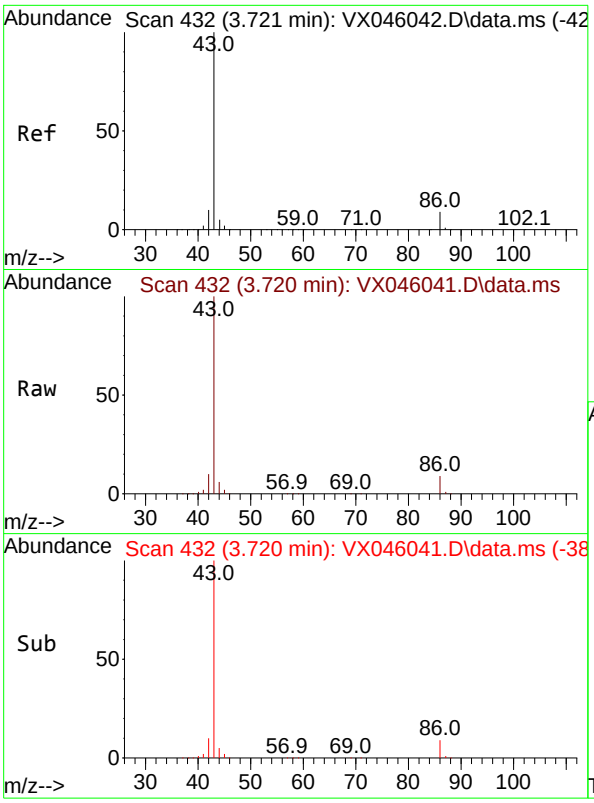


#22
Diisopropyl ether
Concen: 14.896 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 45 Resp: 74257

Ion	Ratio	Lower	Upper
45	100		
43	78.2	66.6	100.0
87	24.0	19.8	29.6
59	11.7	8.6	12.8





#23
Vinyl Acetate
Concen: 73.230 ug/l
RT: 3.720 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 32259

Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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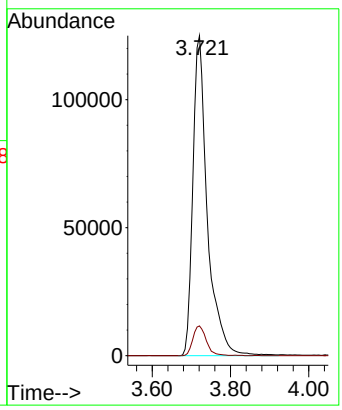
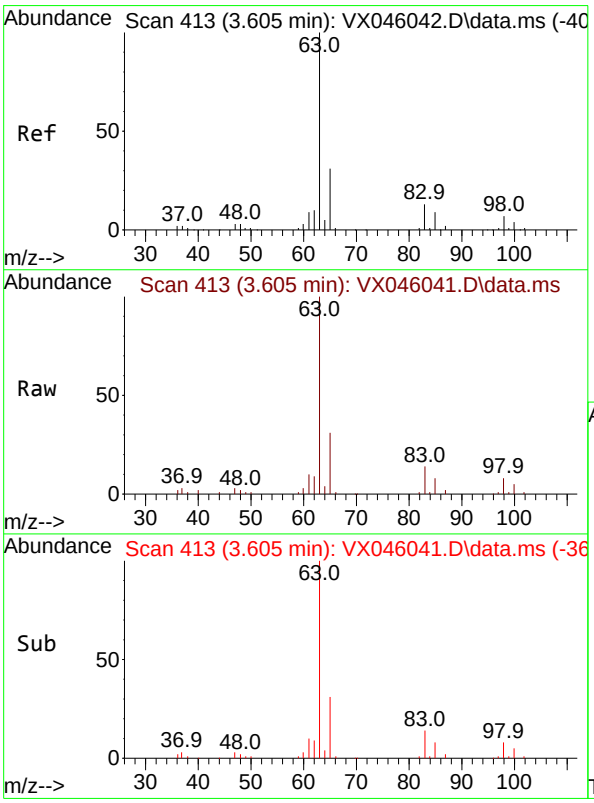
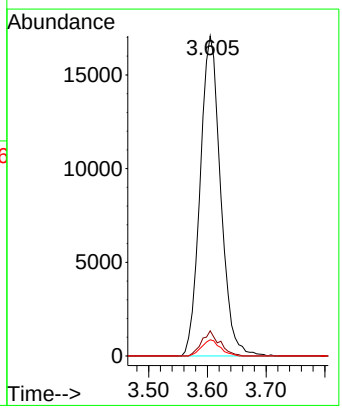


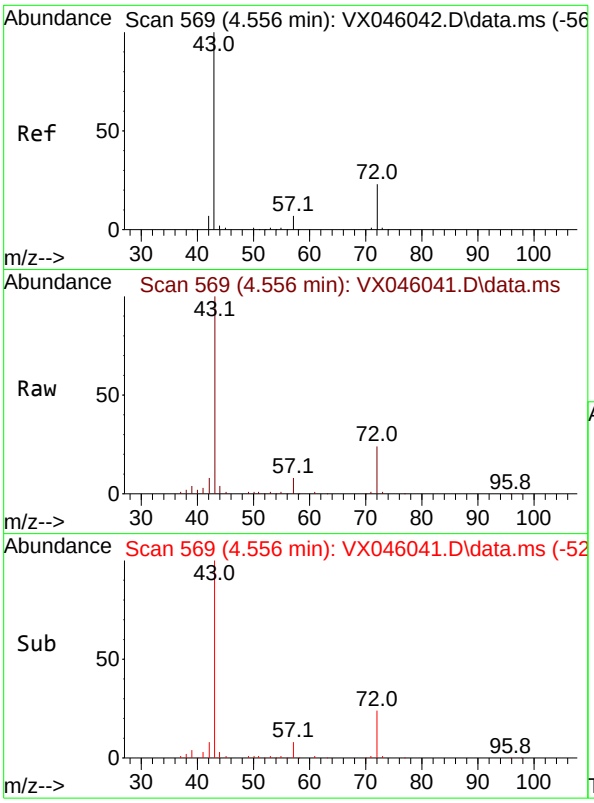


#24
1,1-Dichloroethane
Concen: 14.082 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 41257

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.6	10.8
100	5.0	2.1	6.3

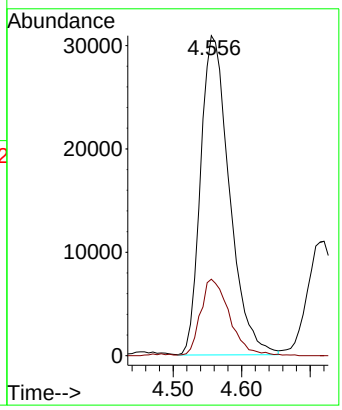




#25
2-Butanone
Concen: 73.489 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 9033

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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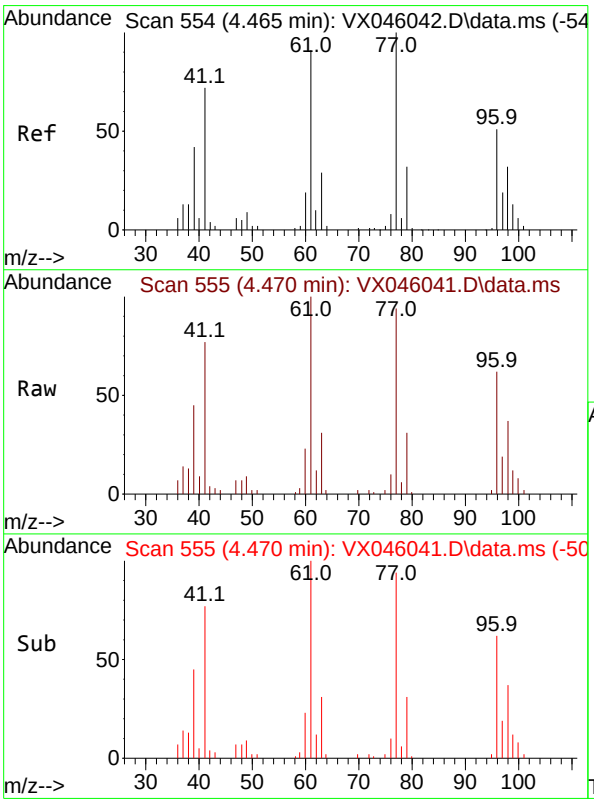
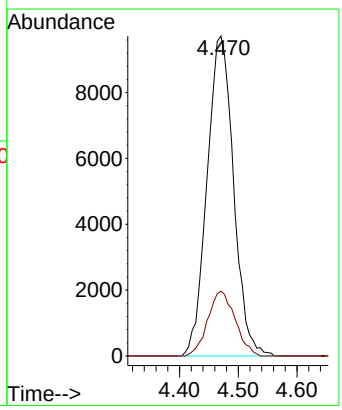
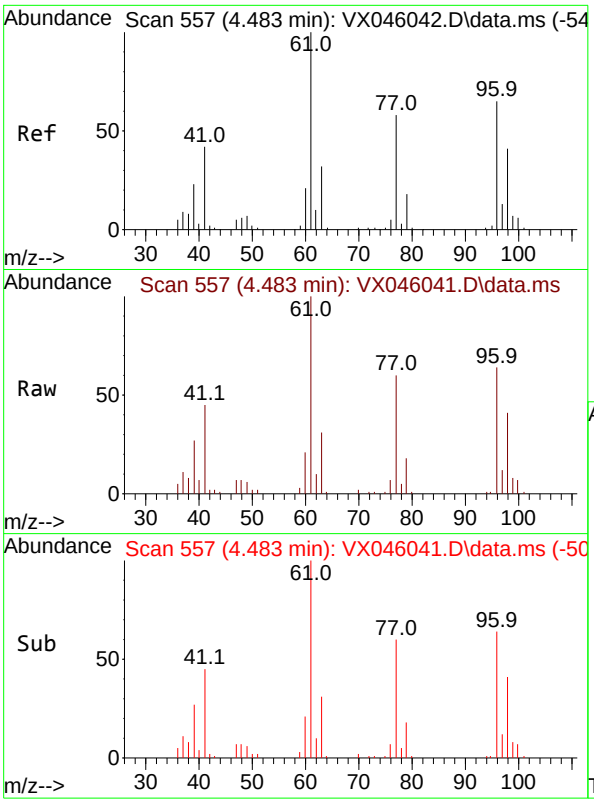


#26
2,2-Dichloropropane
Concen: 13.729 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 77 Resp: 30472

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.5	31.5

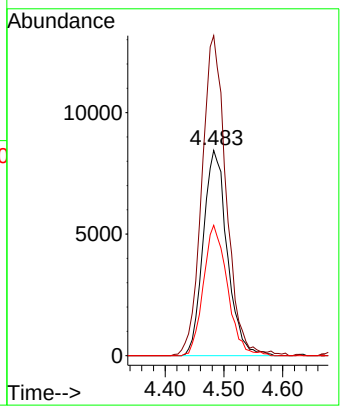




#27
cis-1,2-Dichloroethene
Concen: 13.791 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 96 Resp: 2397

Ion	Ratio	Lower	Upper
96	100		
61	158.3	0.0	322.8
98	63.5	0.0	129.0



Instrument :
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ClientSampleId :
VSTDICC020

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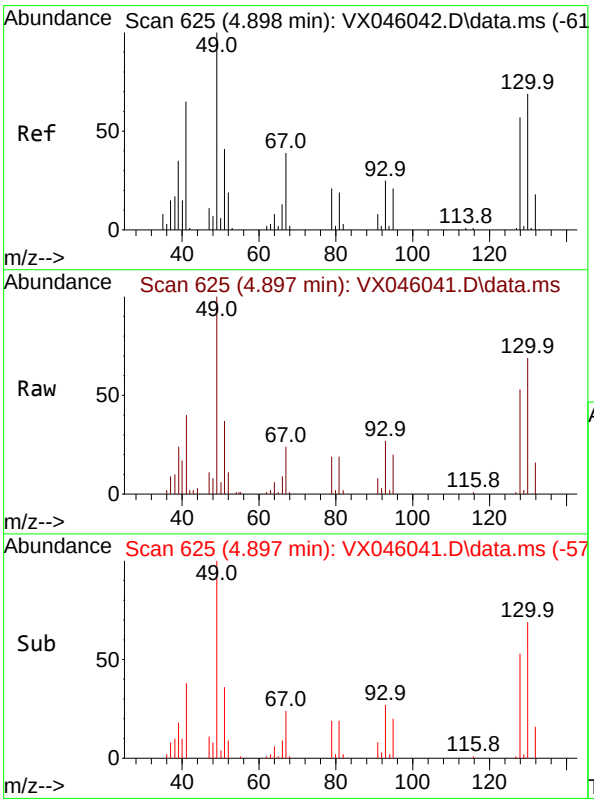
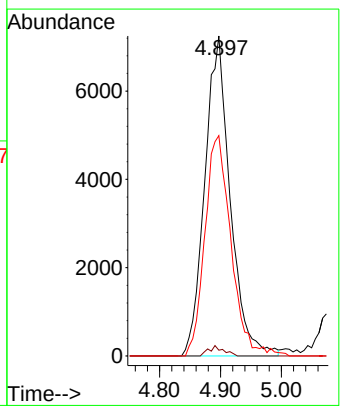
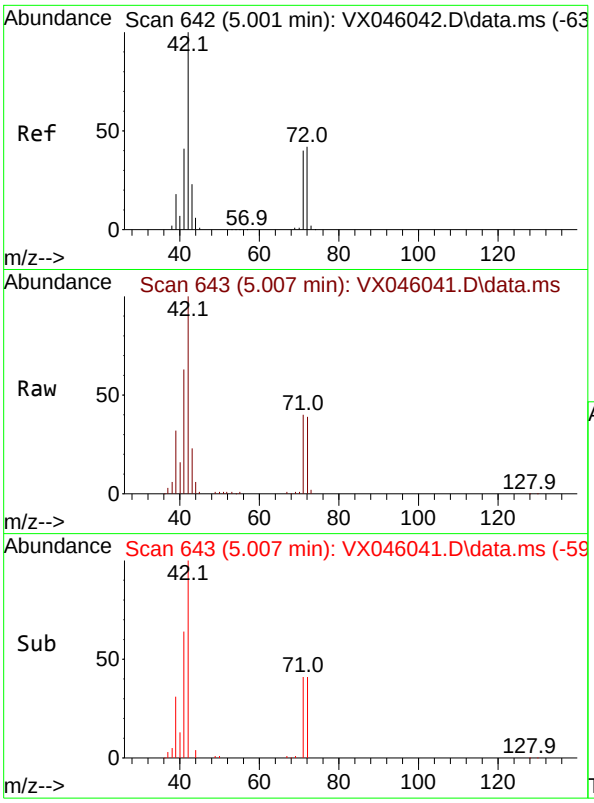


#28
Bromochloromethane
Concen: 13.497 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 49 Resp: 21028

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	70.9	56.2	84.2

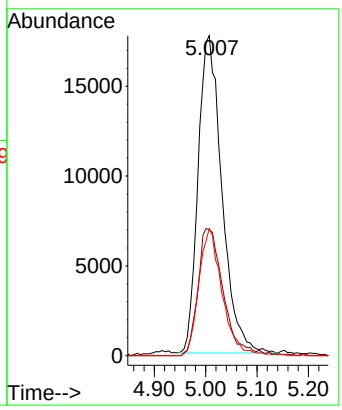




#29
Tetrahydrofuran
Concen: 71.175 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 42 Resp: 5681

Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.7	50.5
71	39.2	31.4	47.2



Instrument :
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ClientSampleId :
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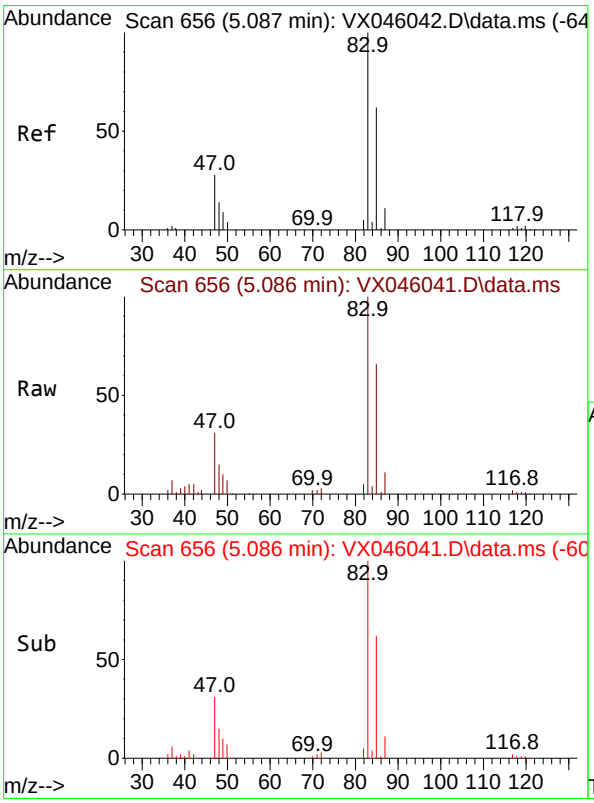
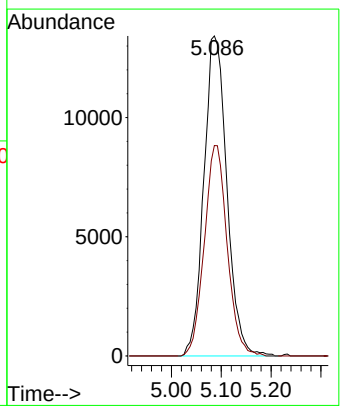
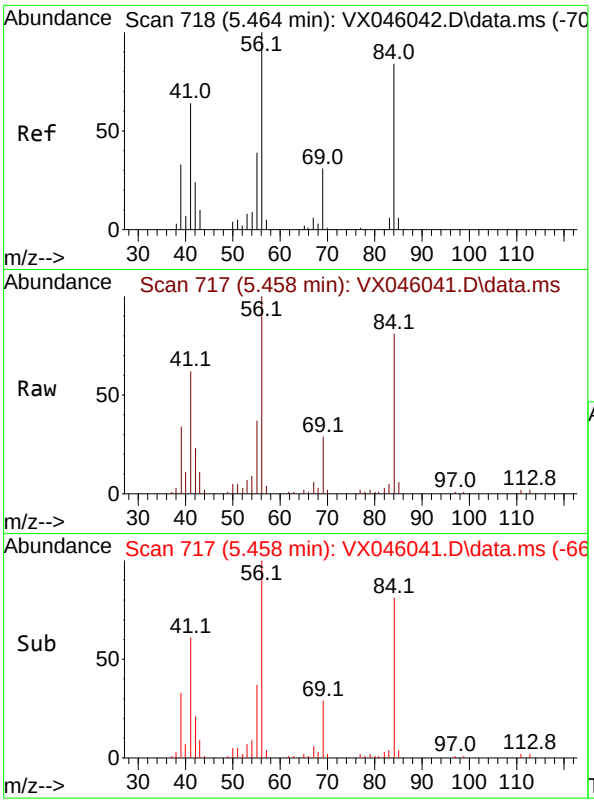


#30
Chloroform
Concen: 14.144 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 43065

Ion	Ratio	Lower	Upper
83	100		
85	65.7	49.3	73.9

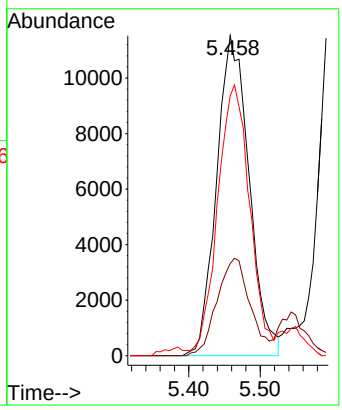




#31
Cyclohexane
Concen: 14.769 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 56 Resp: 3647

Ion	Ratio	Lower	Upper
56	100		
69	28.8	24.4	36.6
84	78.5	66.9	100.3



Instrument :
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ClientSampleId :
VSTDICC020

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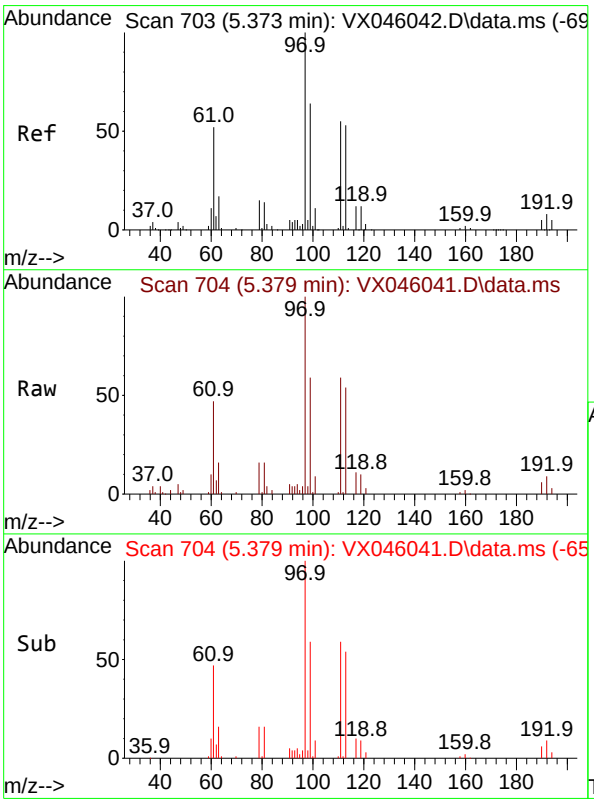
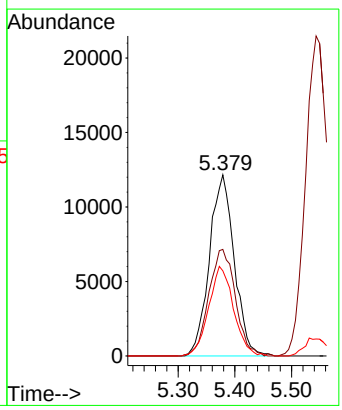
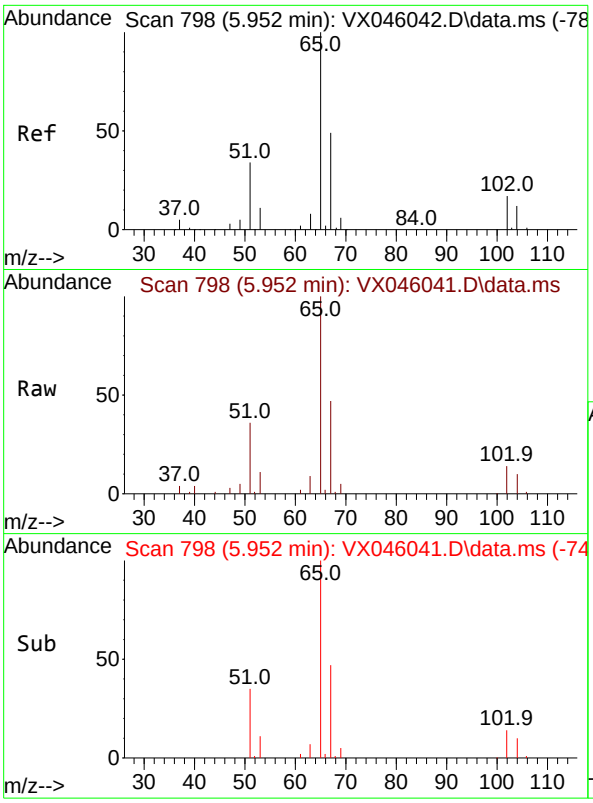


#32
1,1,1-Trichloroethane
Concen: 14.092 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 97 Resp: 37003

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.8	77.6
61	49.5	40.1	60.1

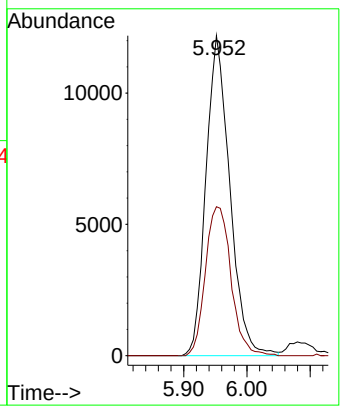




#33
1,2-Dichloroethane-d4
Concen: 12.820 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 65 Resp: 3190

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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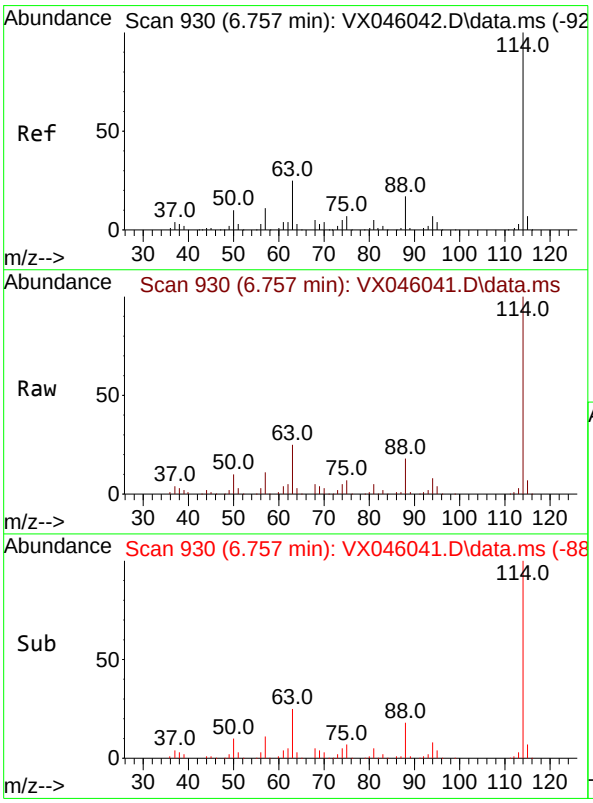
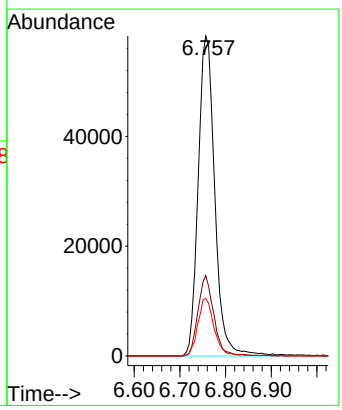
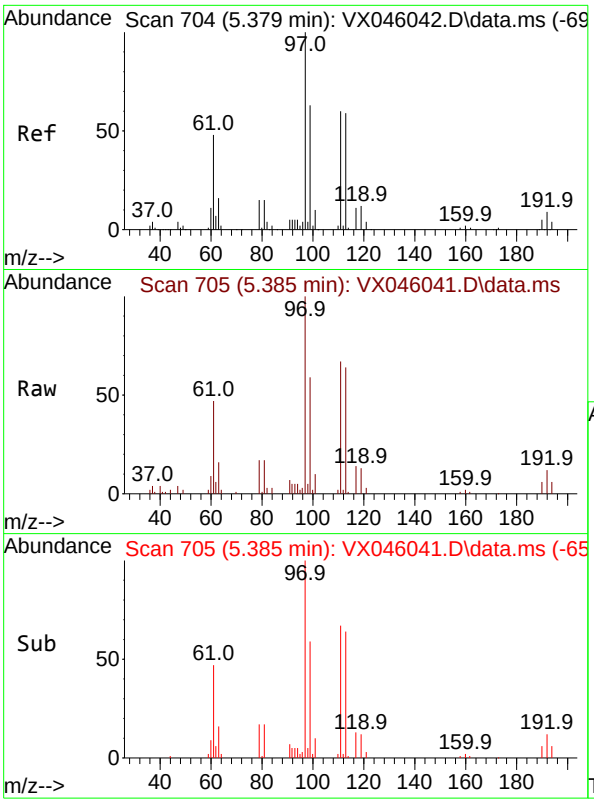


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:114 Resp: 147096

Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.2
88	18.0	0.0	33.6

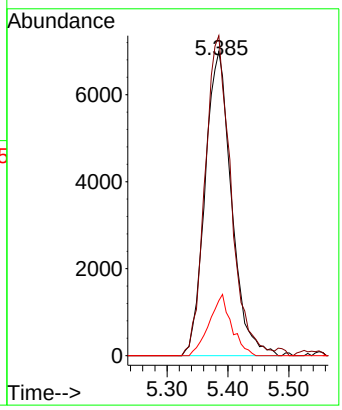




#35
Dibromofluoromethane
Concen: 12.804 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:113 Resp: 2111

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	17.0	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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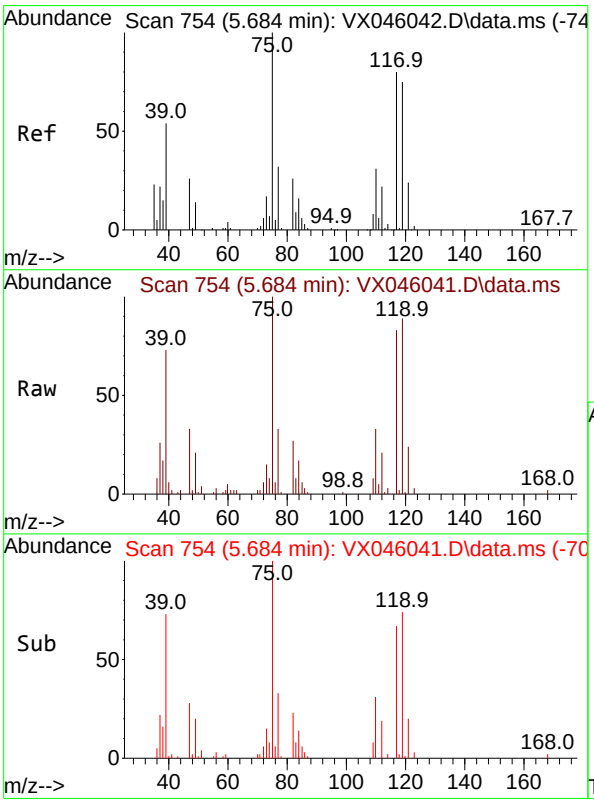
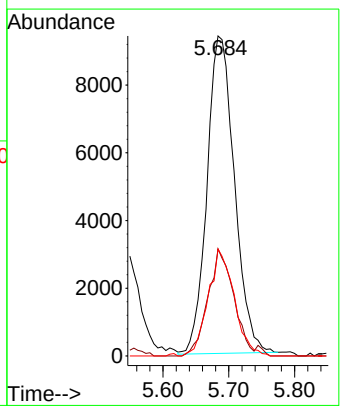
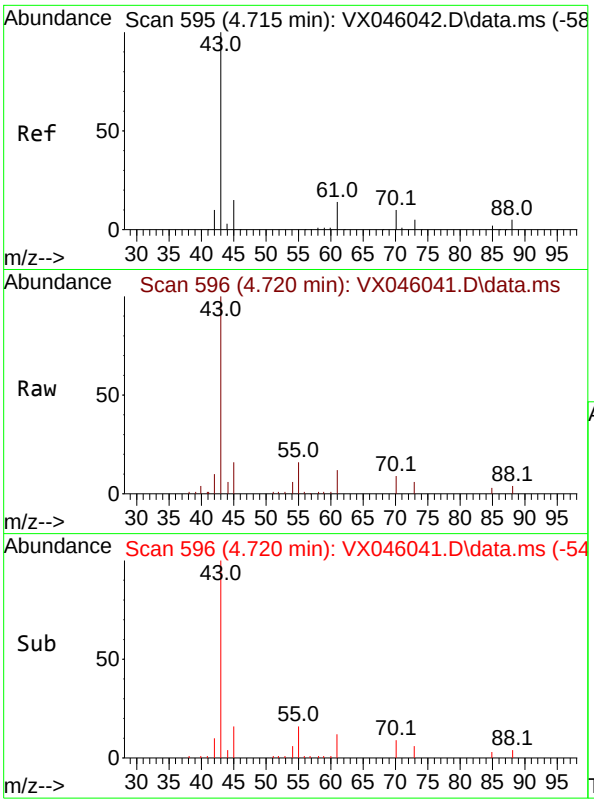


#36
1,1-Dichloropropene
Concen: 14.231 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 27242

Ion	Ratio	Lower	Upper
75	100		
110	31.6	16.3	48.9
77	31.9	24.3	36.5





#37
Ethyl Acetate
Concen: 13.931 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 3345

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	10.9	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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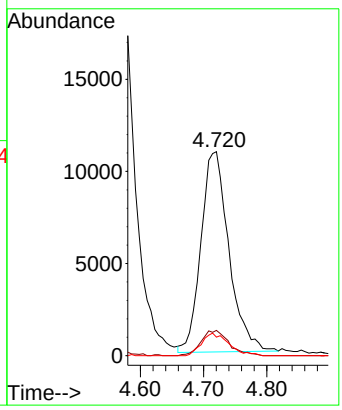
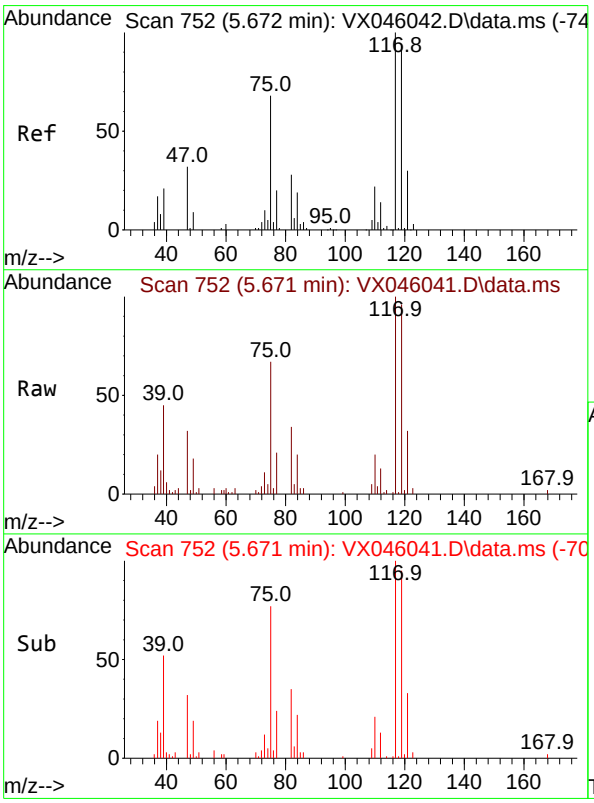
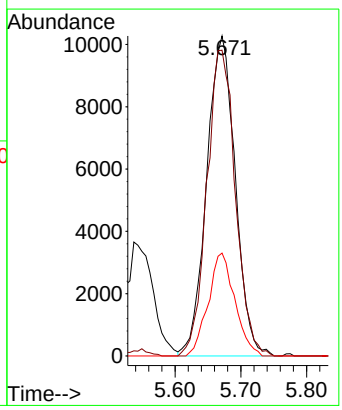


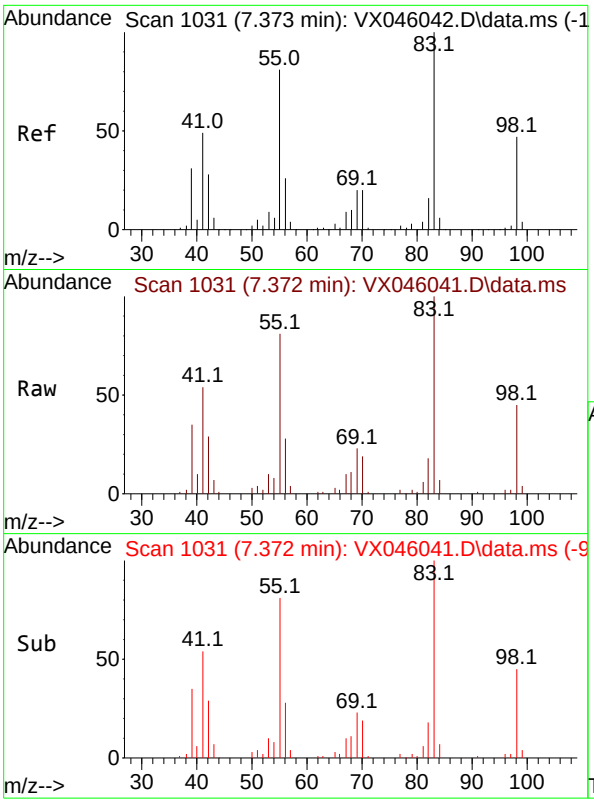


#38
Carbon Tetrachloride
Concen: 14.137 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 31091

Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.2	112.8
121	32.1	24.2	36.4

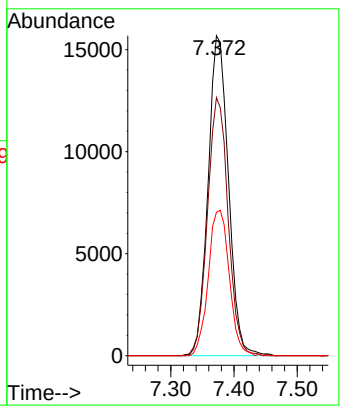




#39
Methylcyclohexane
Concen: 14.623 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 3507

Ion	Ratio	Lower	Upper
83	100		
55	80.7	64.7	97.1
98	44.8	37.4	56.2



Instrument :
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ClientSampleId :
VSTDICC020

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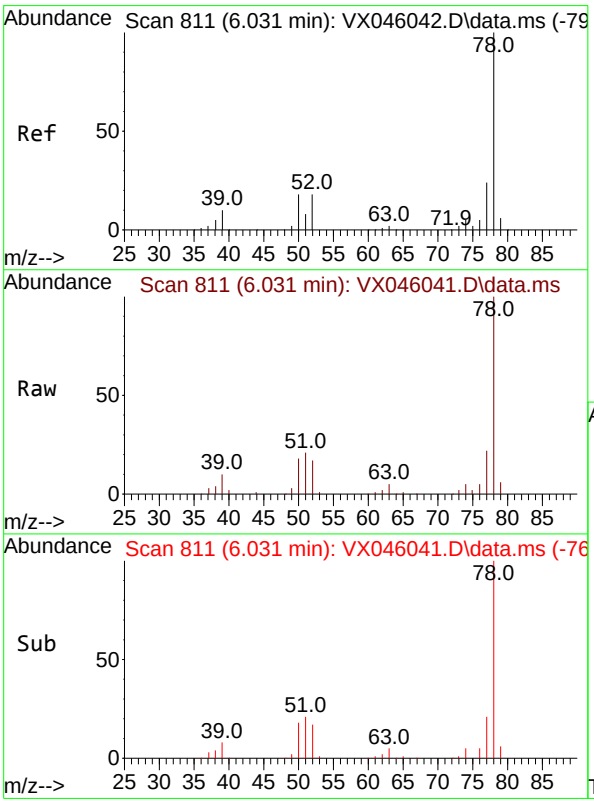
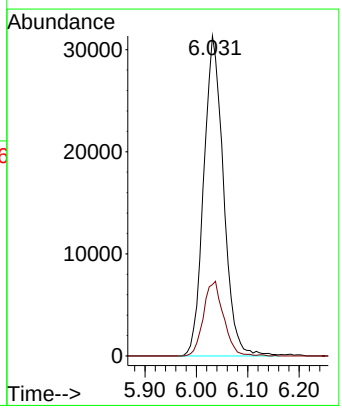
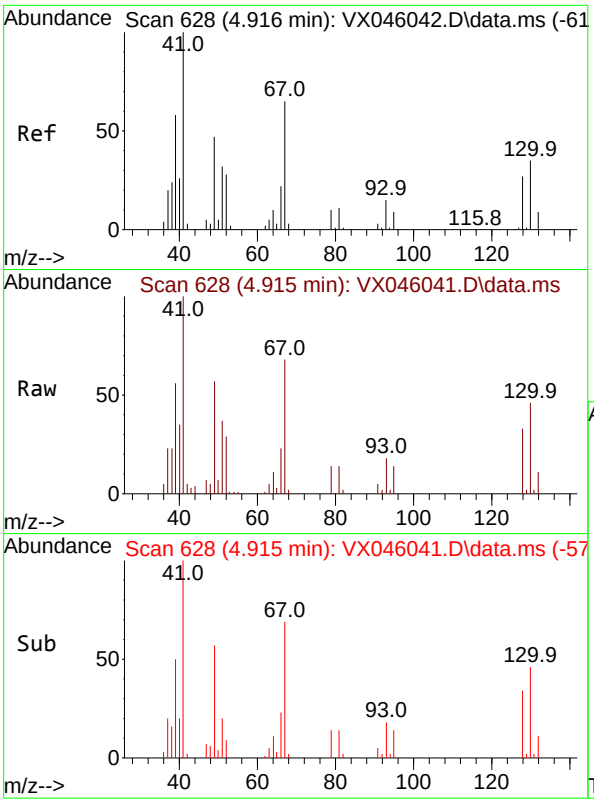


#40
Benzene
Concen: 14.140 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 78 Resp: 83898

Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.0	28.4

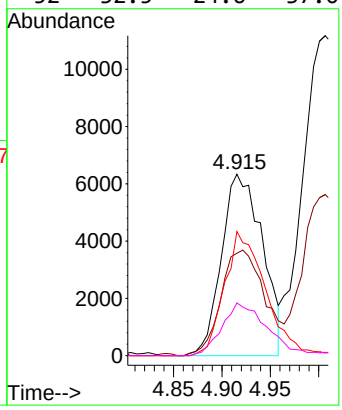




#41
Methacrylonitrile
Concen: 14.038 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 41 Resp: 1873

Ion	Ratio	Lower	Upper
41	100		
39	62.6	47.2	70.8
67	68.3	50.7	76.1
52	32.5	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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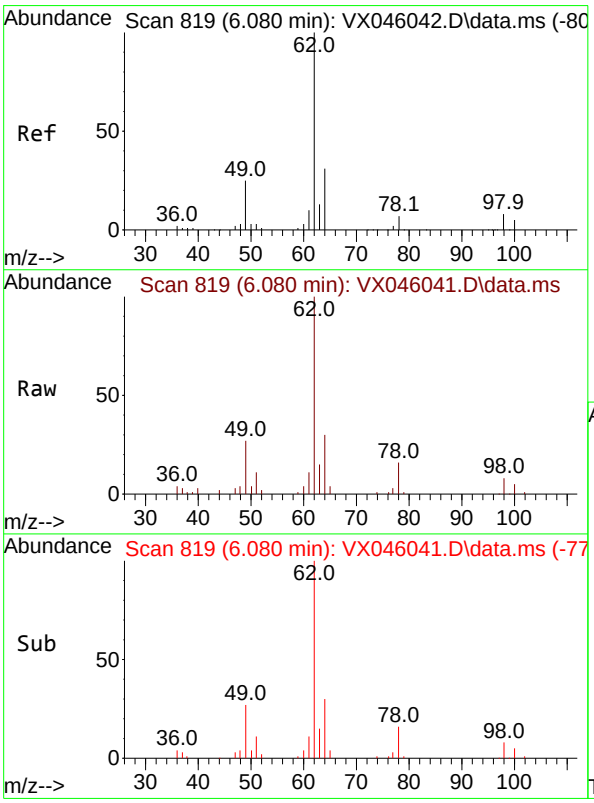
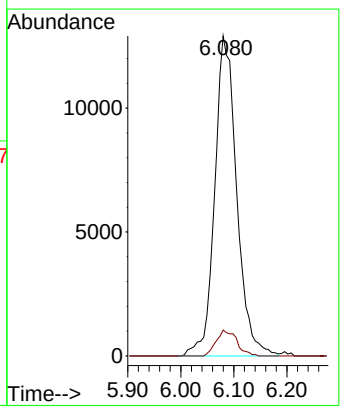
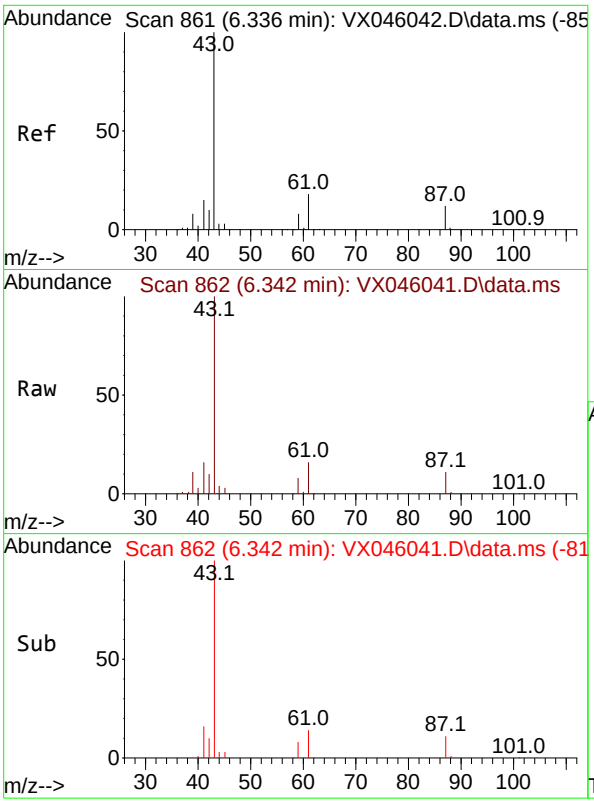


#42
1,2-Dichloroethane
Concen: 15.165 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 62 Resp: 37203

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2





#43
Isopropyl Acetate
Concen: 14.512 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 5327

Ion	Ratio	Lower	Upper
43	100		
61	17.3	14.3	21.5
87	11.6	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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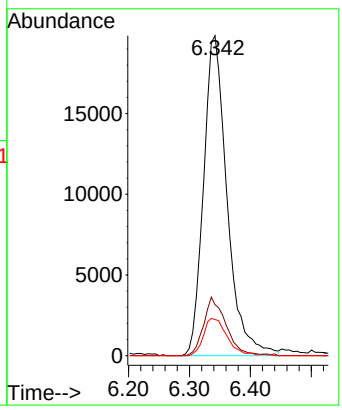
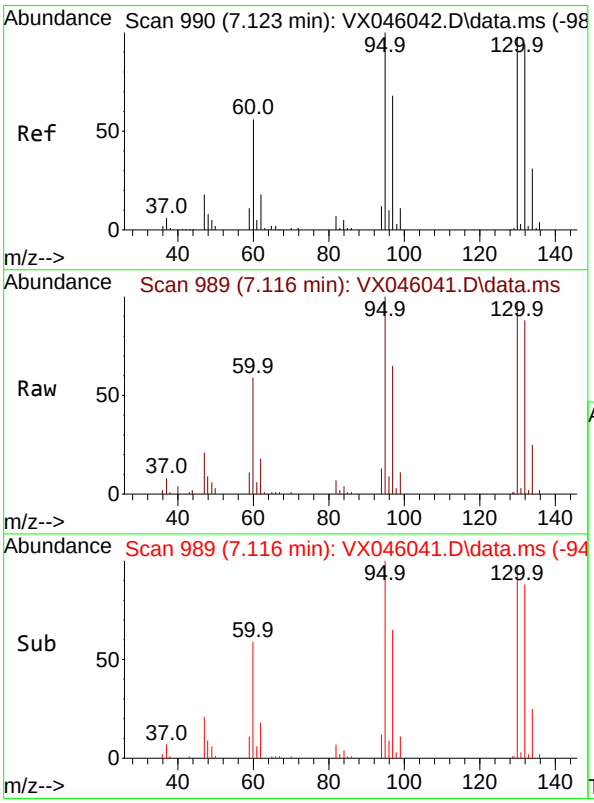
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

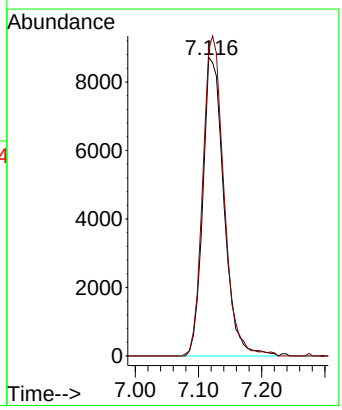


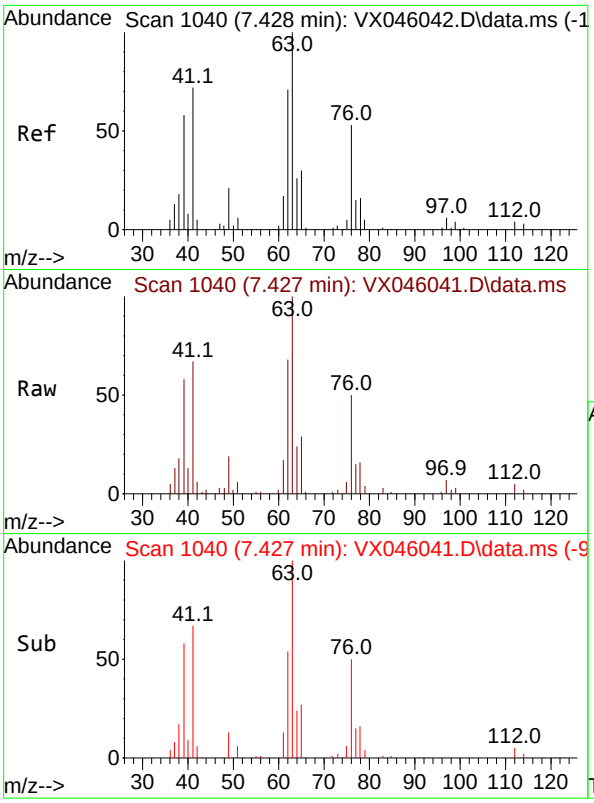


#44
Trichloroethene
Concen: 14.429 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:130 Resp: 20239

Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	204.2

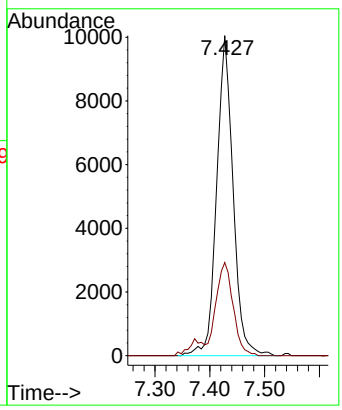




#45
1,2-Dichloropropane
Concen: 14.204 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 2094

Ion	Ratio	Lower	Upper
63	100		
65	29.1	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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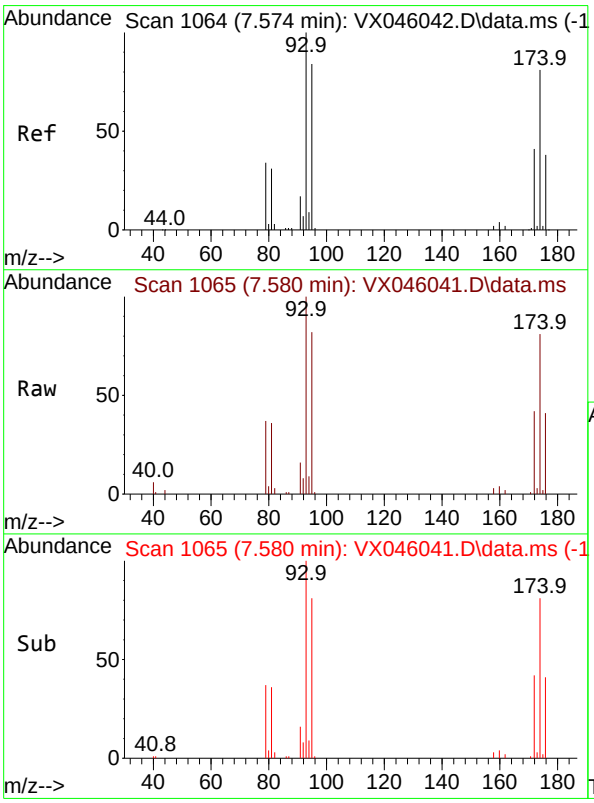
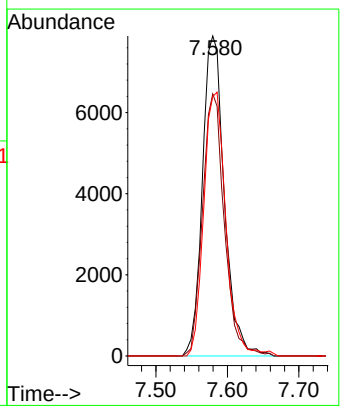
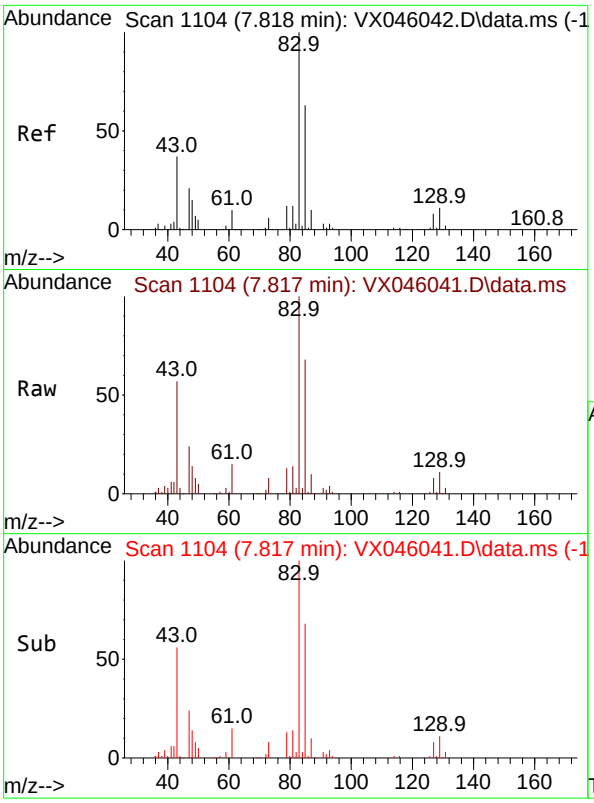


#46
Dibromomethane
Concen: 14.439 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 93 Resp: 16781

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.6	98.4
174	83.1	68.2	102.2

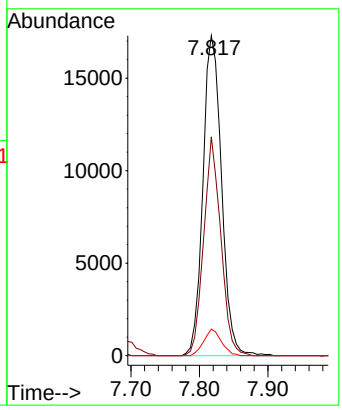




#47
Bromodichloromethane
Concen: 14.545 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 3276

Ion	Ratio	Lower	Upper
83	100		
85	68.4	50.5	75.7
127	8.3	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
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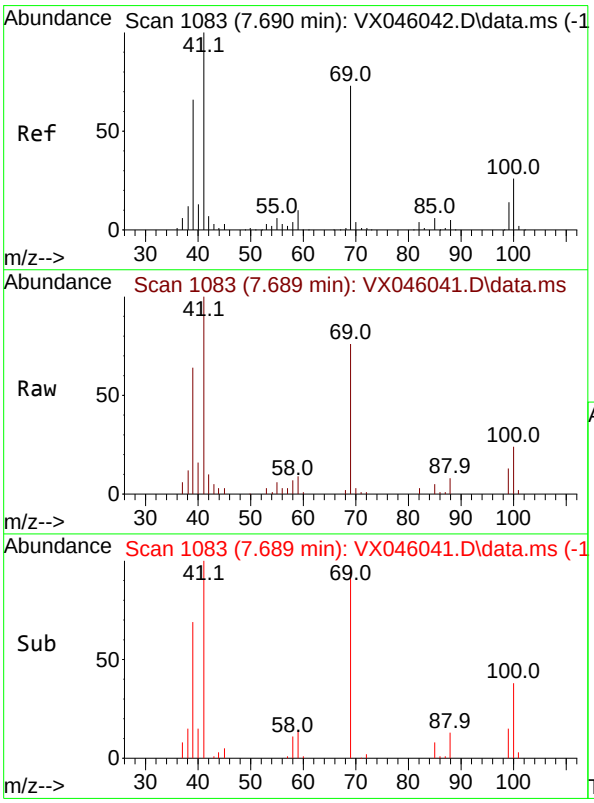
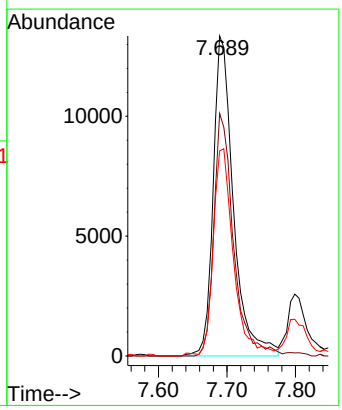
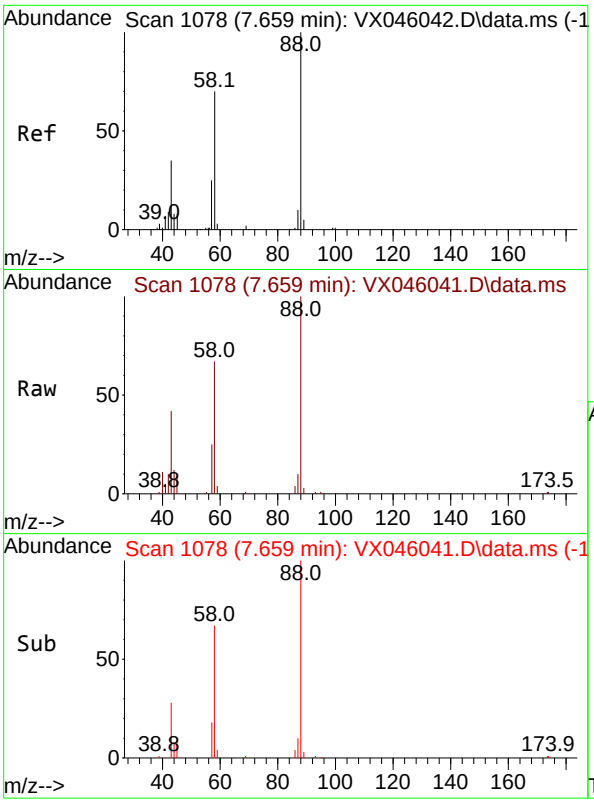


#48
Methyl methacrylate
Concen: 14.521 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 41 Resp: 27374

Ion	Ratio	Lower	Upper
41	100		
69	73.5	58.5	87.7
39	64.9	51.7	77.5





#49
1,4-Dioxane
Concen: 282.442 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 88 Resp: 1058

Ion	Ratio	Lower	Upper
88	100		
43	45.5	33.4	50.2
58	73.6	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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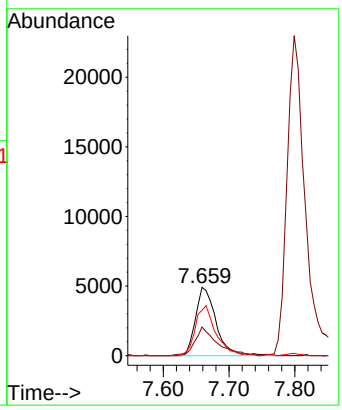
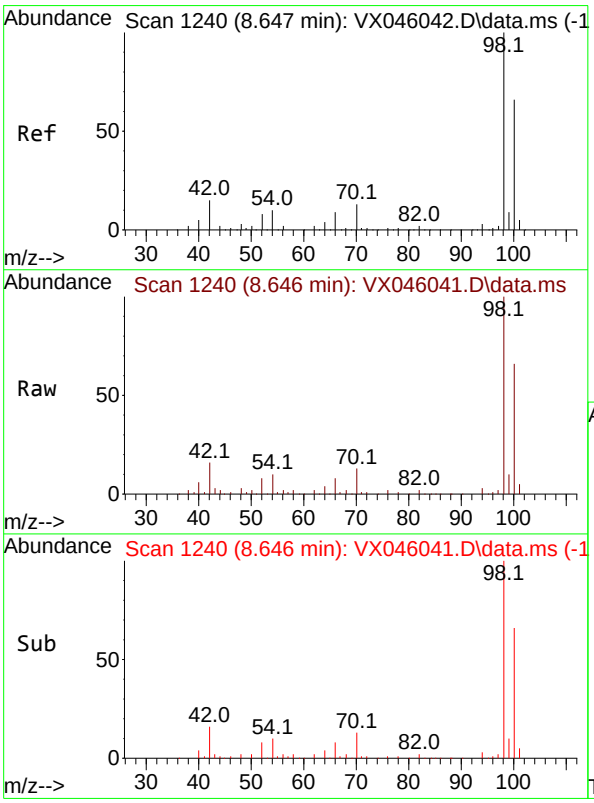
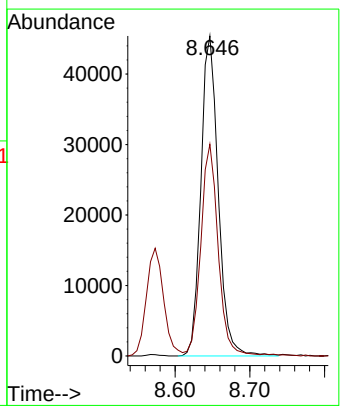


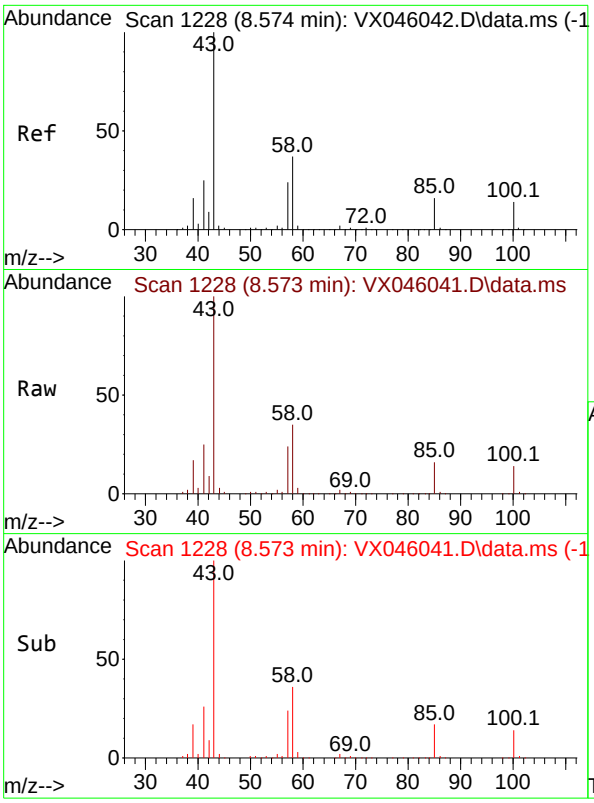


#50
Toluene-d8
Concen: 13.200 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 98 Resp: 73333

Ion	Ratio	Lower	Upper
98	100		
100	64.8	53.5	80.3

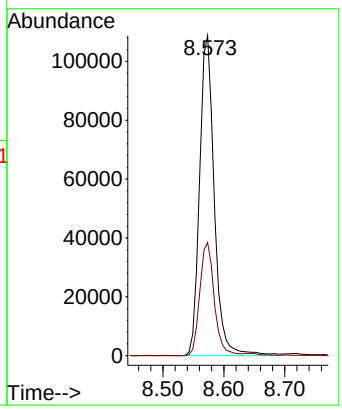




#51
4-Methyl-2-Pentanone
Concen: 75.775 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 18245

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
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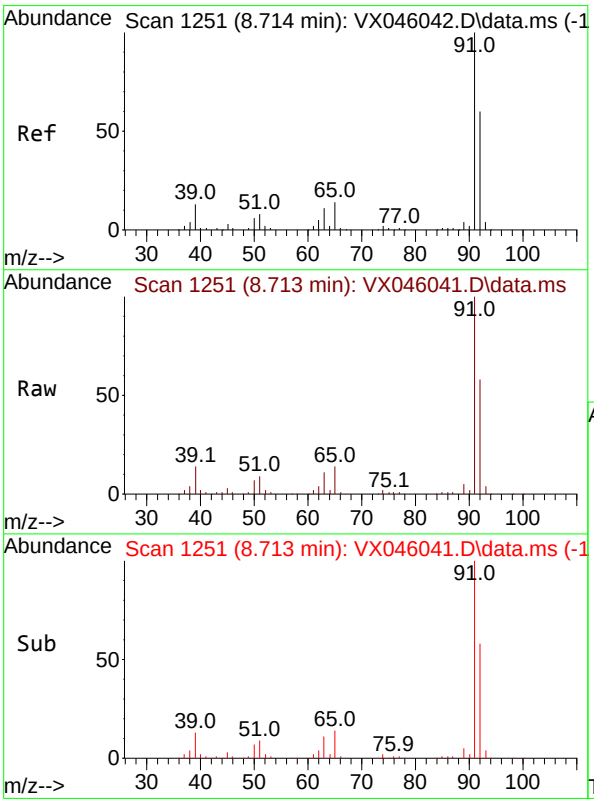
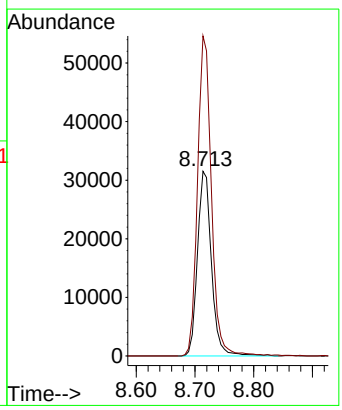
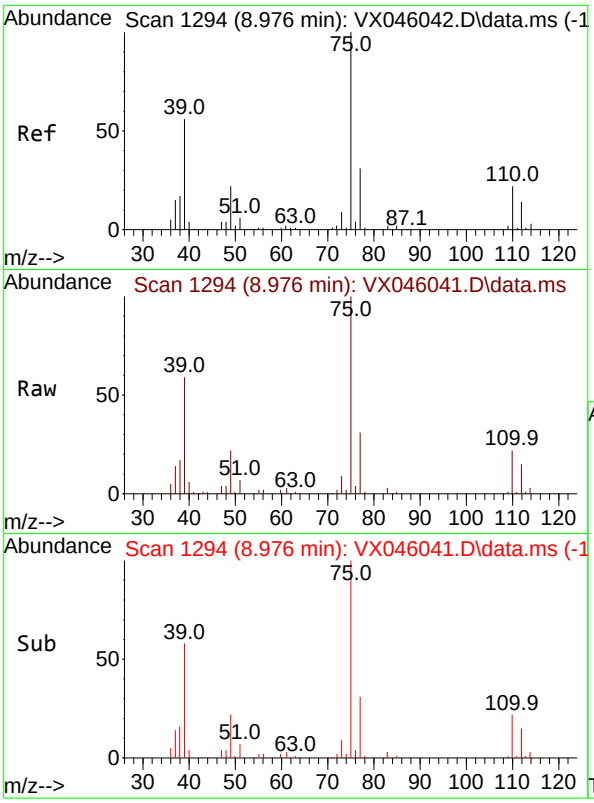


#52
Toluene
Concen: 14.788 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 92 Resp: 52030

Ion	Ratio	Lower	Upper
92	100		
91	172.2	136.6	205.0

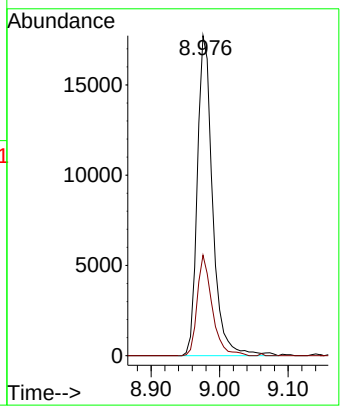




#53
t-1,3-Dichloropropene
Concen: 14.566 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 2754

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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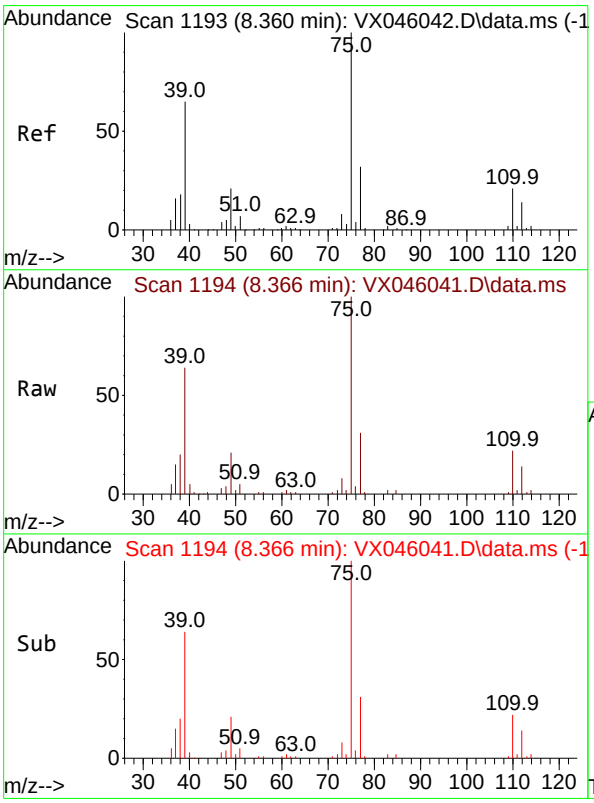
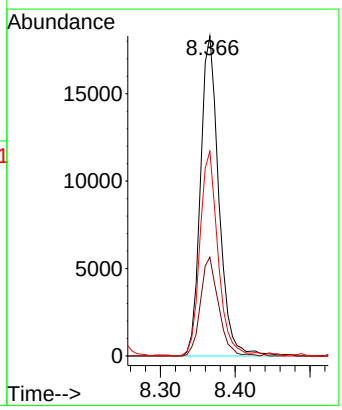
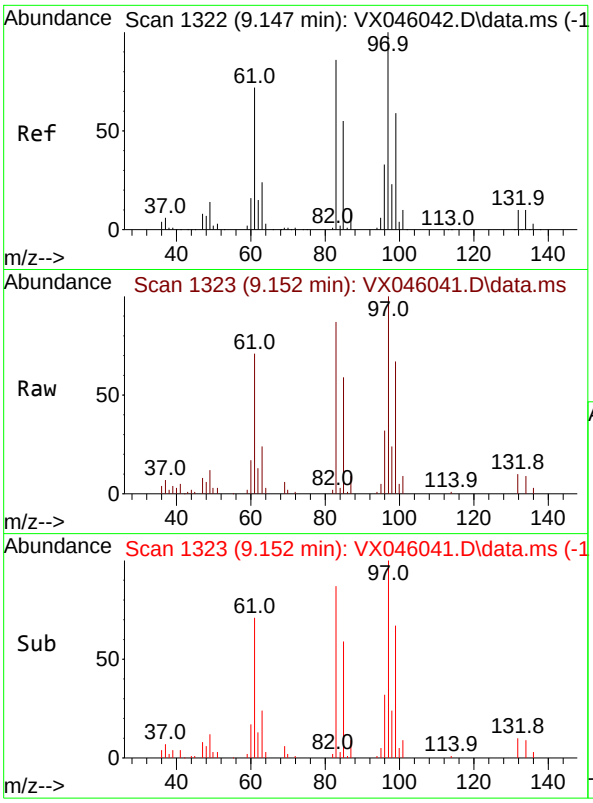


#54
cis-1,3-Dichloropropene
Concen: 14.154 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 31226

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0
39	64.0	52.2	78.4

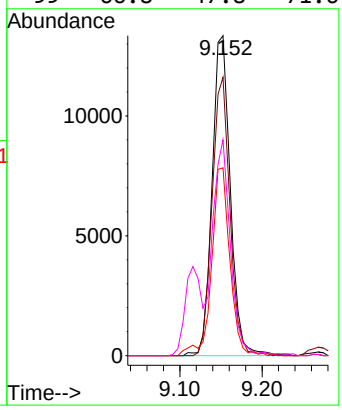




#55
1,1,2-Trichloroethane
Concen: 14.442 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 97 Resp: 2053

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.0	103.6
85	58.7	44.3	66.5
99	66.8	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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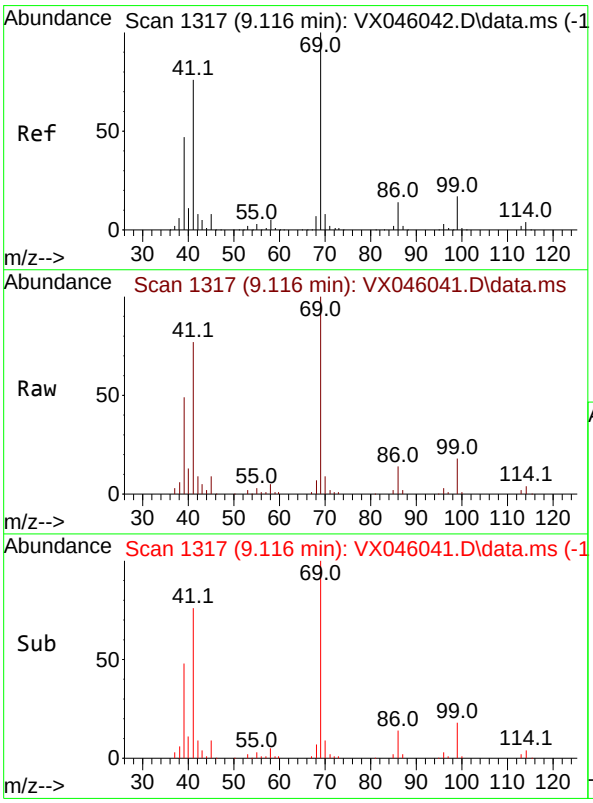
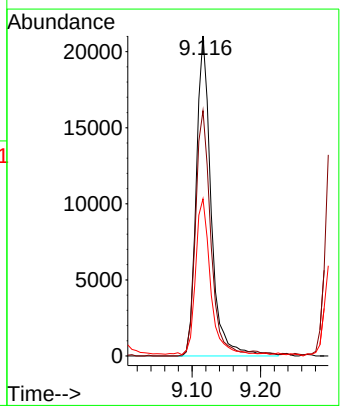
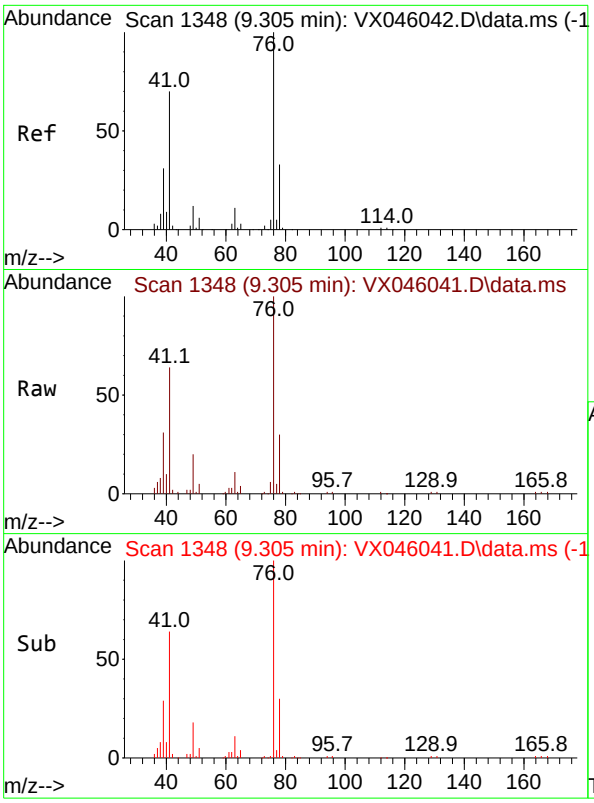


#56
Ethyl methacrylate
Concen: 14.425 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 69 Resp: 31787

Ion	Ratio	Lower	Upper
69	100		
41	78.2	60.8	91.2
39	49.3	39.0	58.6

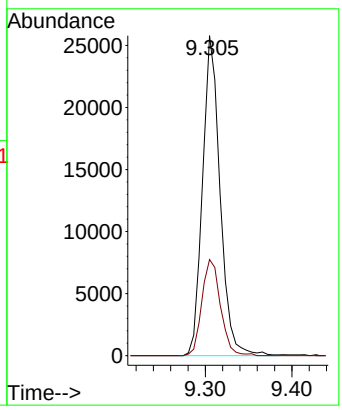




#57
1,3-Dichloropropane
Concen: 14.417 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 76 Resp: 3634

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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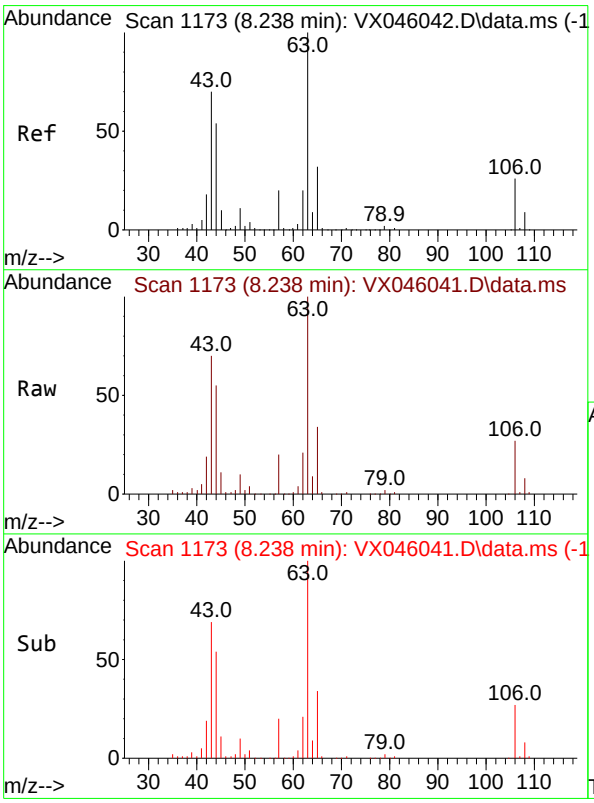
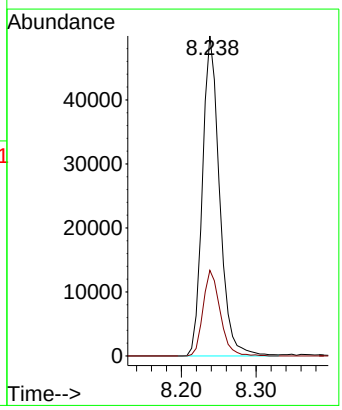
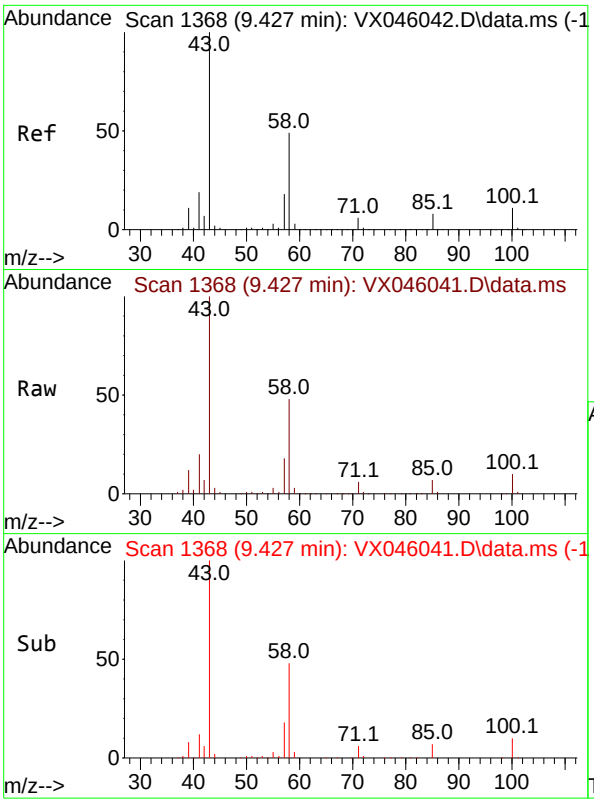


#58
2-Chloroethyl Vinyl ether
Concen: 80.312 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 79531

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3

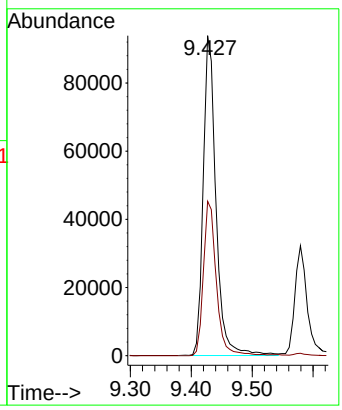




#59
2-Hexanone
Concen: 74.997 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 13705

Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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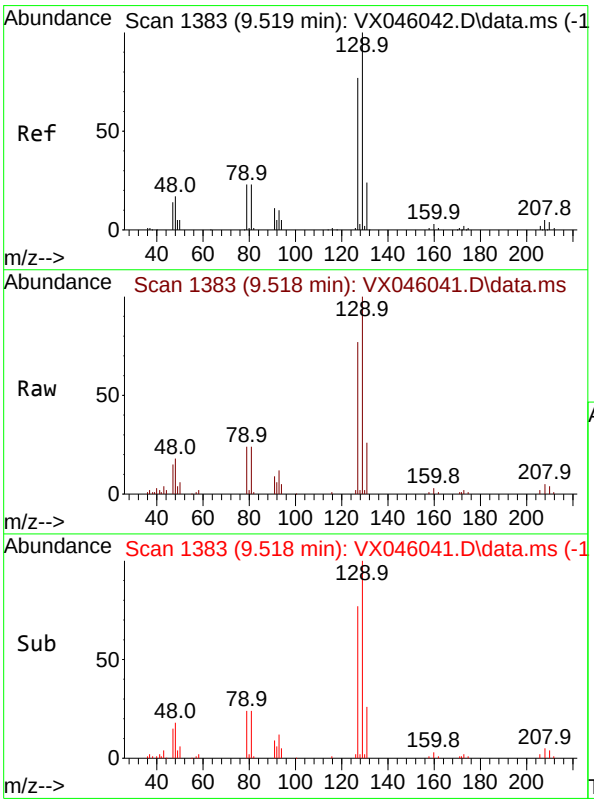
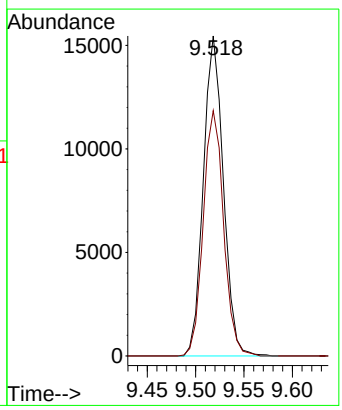
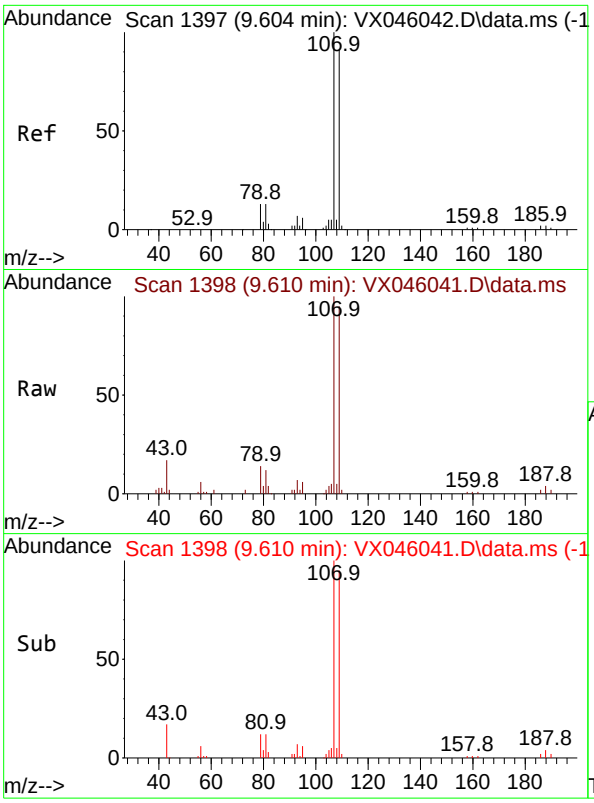


#60
Dibromochloromethane
Concen: 14.387 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:129 Resp: 22267

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.3	117.8

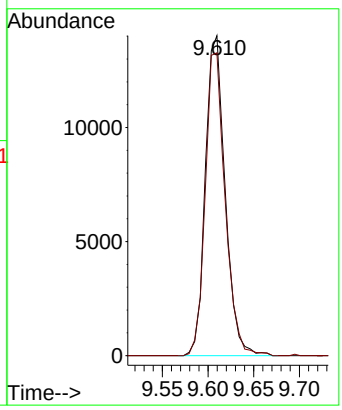




#61
1,2-Dibromoethane
Concen: 14.458 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:107 Resp: 2111

Ion	Ratio	Lower	Upper
107	100		
109	95.3	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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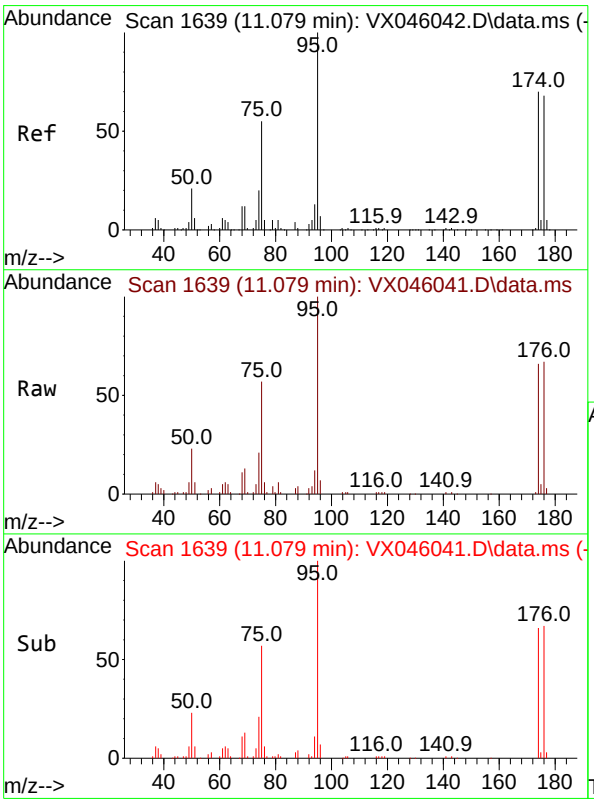
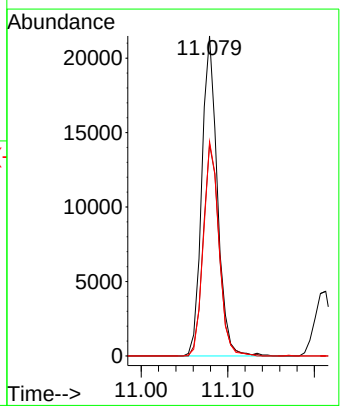
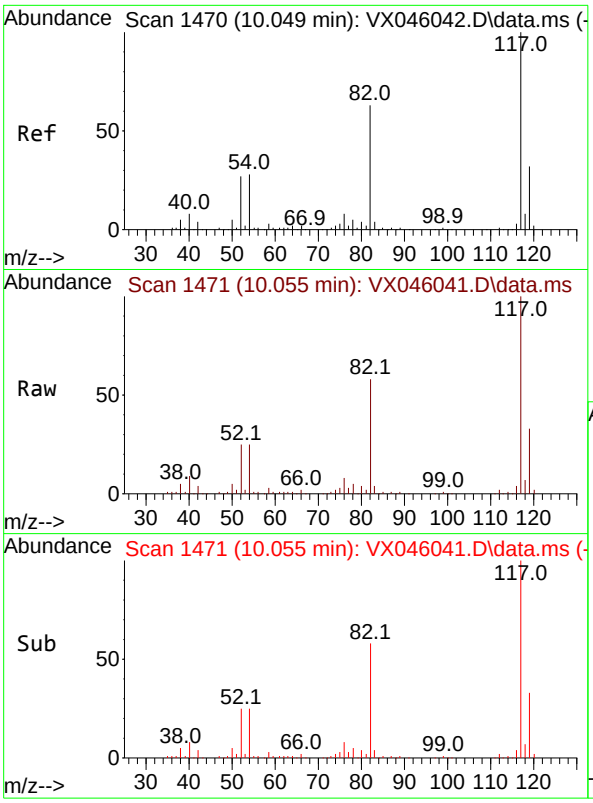


#62
4-Bromofluorobenzene
Concen: 13.236 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 95 Resp: 26760

Ion	Ratio	Lower	Upper
95	100		
174	67.4	0.0	135.8
176	67.0	0.0	131.4

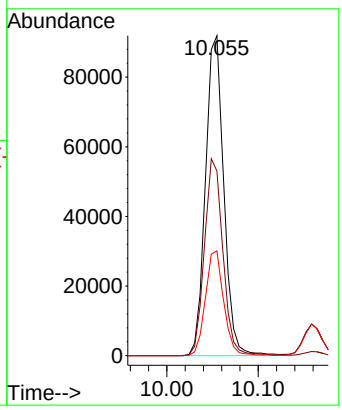




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 12782

Ion	Ratio	Lower	Upper
117	100		
82	57.7	50.6	76.0
119	32.7	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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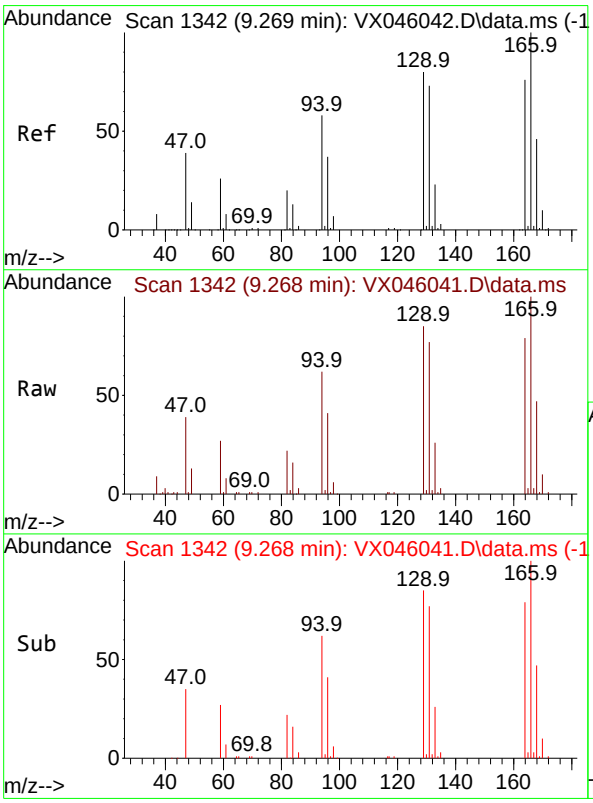
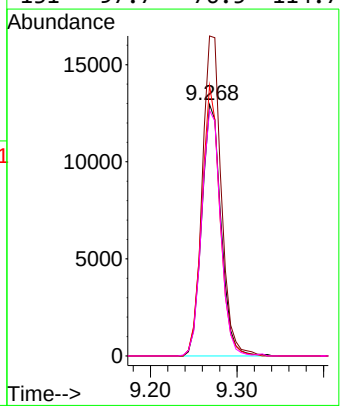
Supervised By :Mahesh Dadoda 05/06/2025

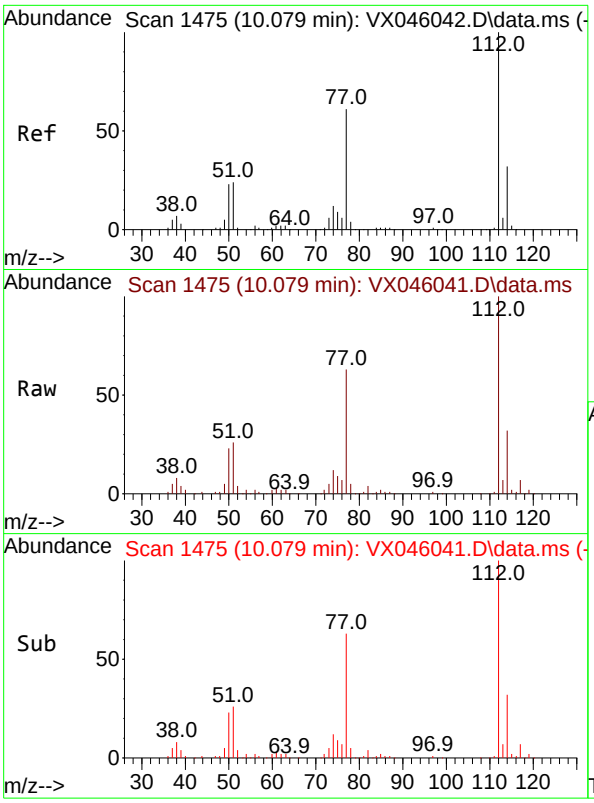


#64
Tetrachloroethene
Concen: 15.263 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:164 Resp: 19924

Ion	Ratio	Lower	Upper
164	100		
166	127.2	105.0	157.6
129	107.6	83.5	125.3
131	97.7	76.5	114.7

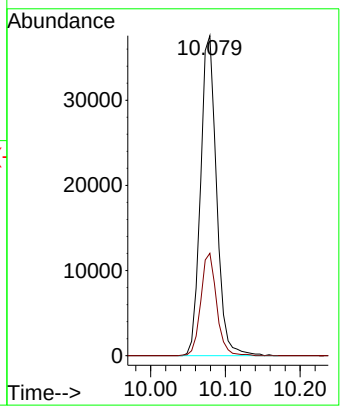




#65
Chlorobenzene
Concen: 14.202 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:112 Resp: 5586

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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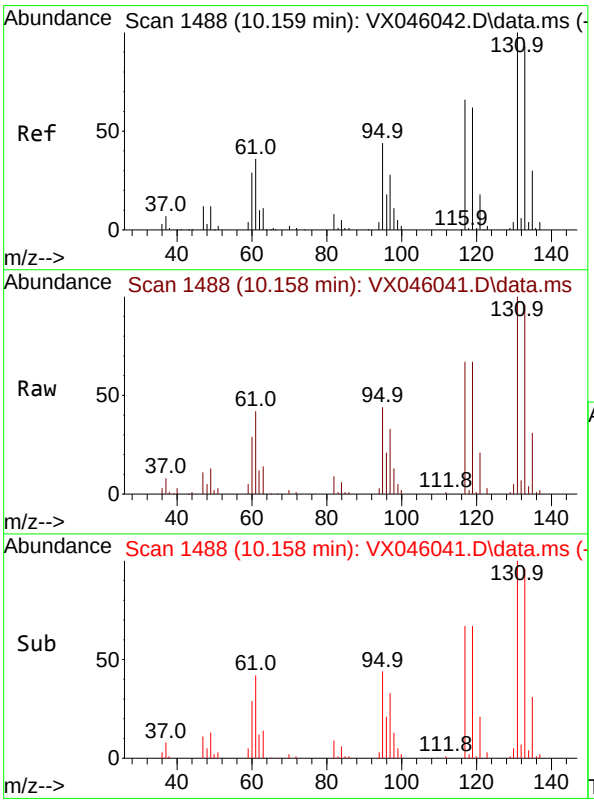
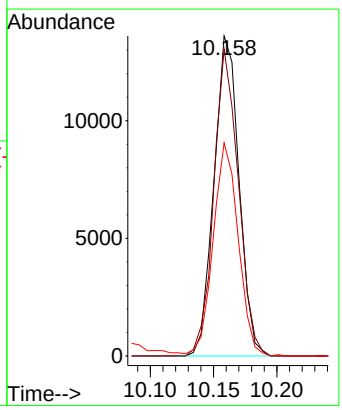
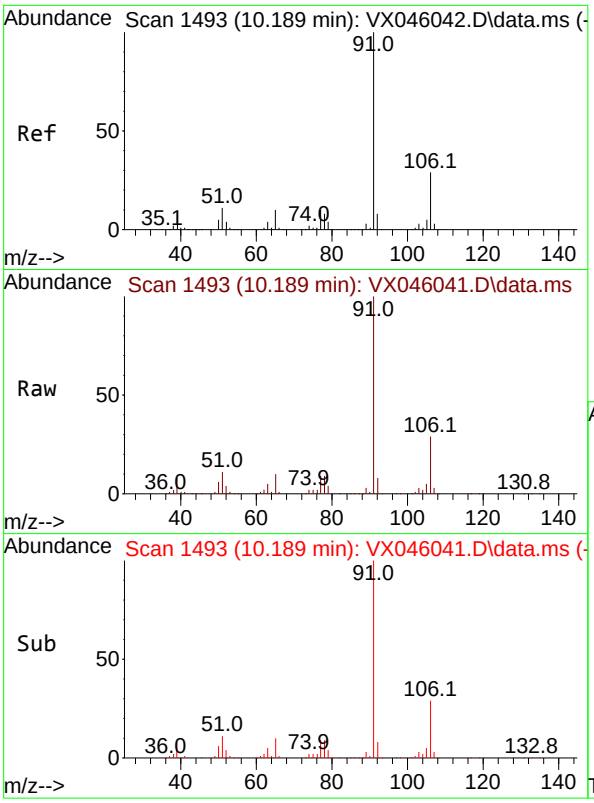


#66
1,1,1,2-Tetrachloroethane
Concen: 14.231 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:131 Resp: 18671

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.9
119	66.7	31.6	95.0

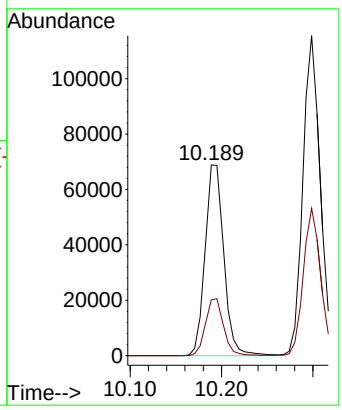




#67
Ethyl Benzene
Concen: 14.631 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 9811

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2



Instrument :
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ClientSampleId :
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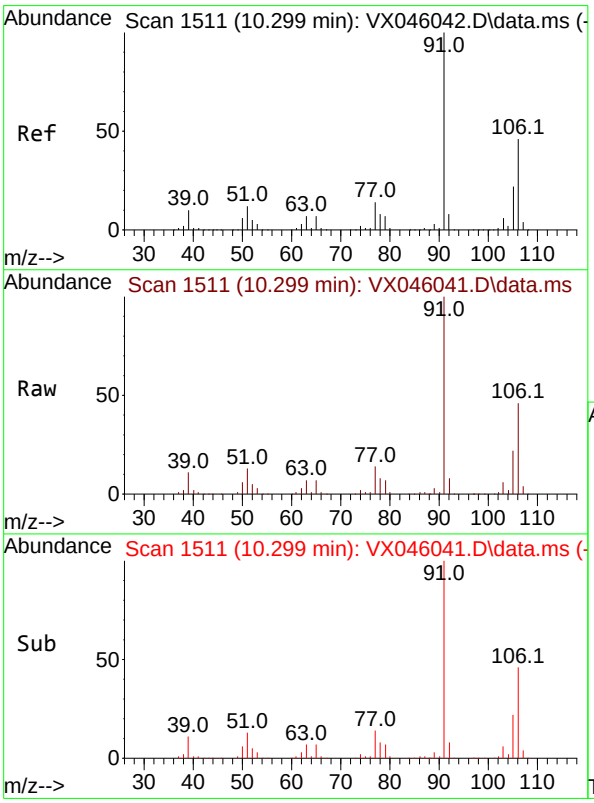
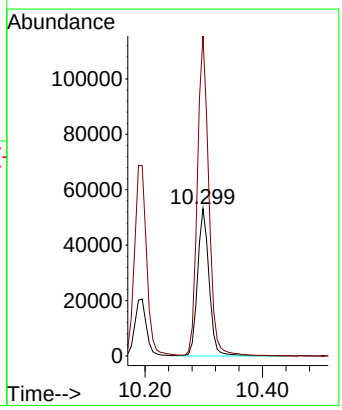
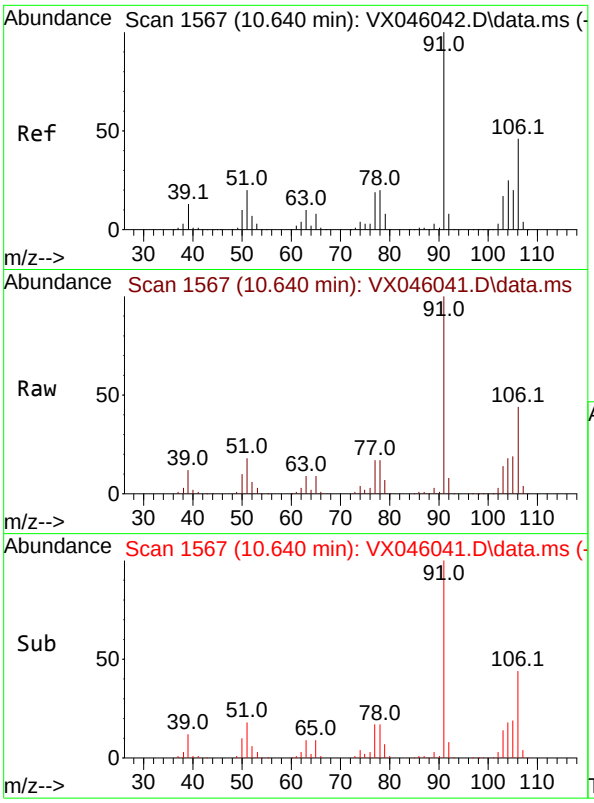


#68
m/p-Xylenes
Concen: 29.806 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:106 Resp: 72202

Ion	Ratio	Lower	Upper
106	100		
91	216.1	171.2	256.8

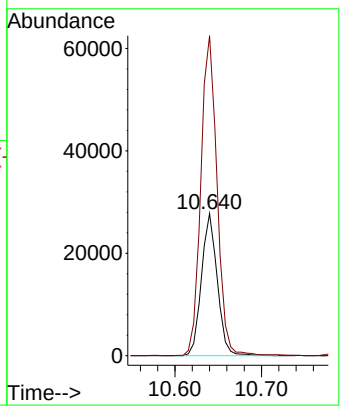




#69
o-Xylene
Concen: 14.408 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:106 Resp: 3517

Ion	Ratio	Lower	Upper
106	100		
91	231.7	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
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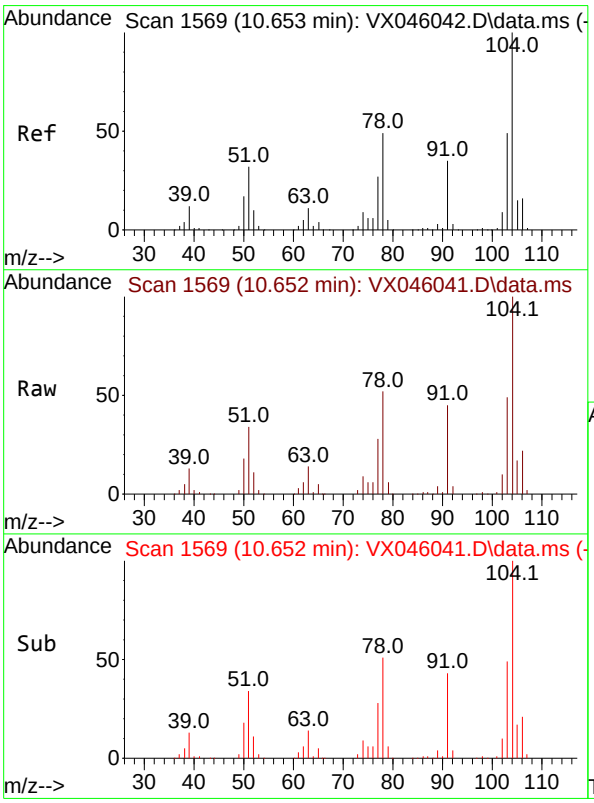
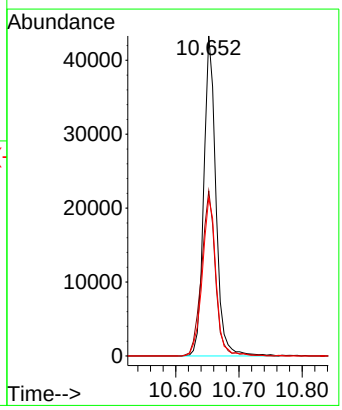
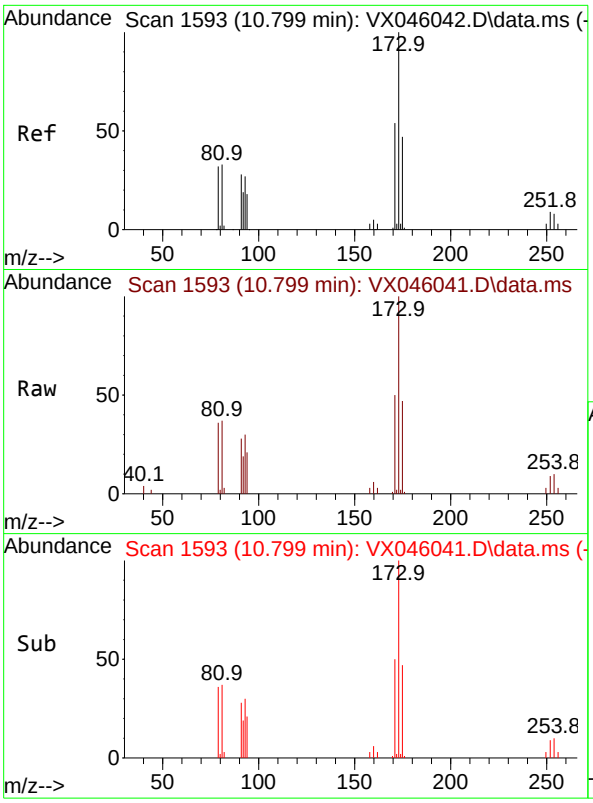


#70
Styrene
Concen: 14.853 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:104 Resp: 58034

Ion	Ratio	Lower	Upper
104	100		
78	58.7	45.7	68.5
103	55.6	43.7	65.5

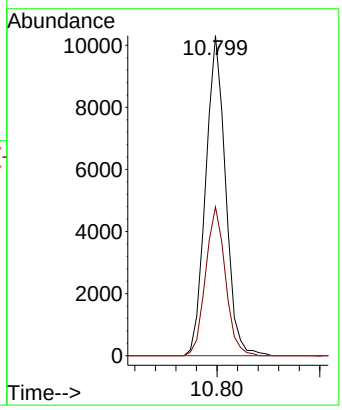




#71
Bromoform
Concen: 14.030 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:173 Resp: 1382

Ion	Ratio	Lower	Upper
173	100		
175	46.4	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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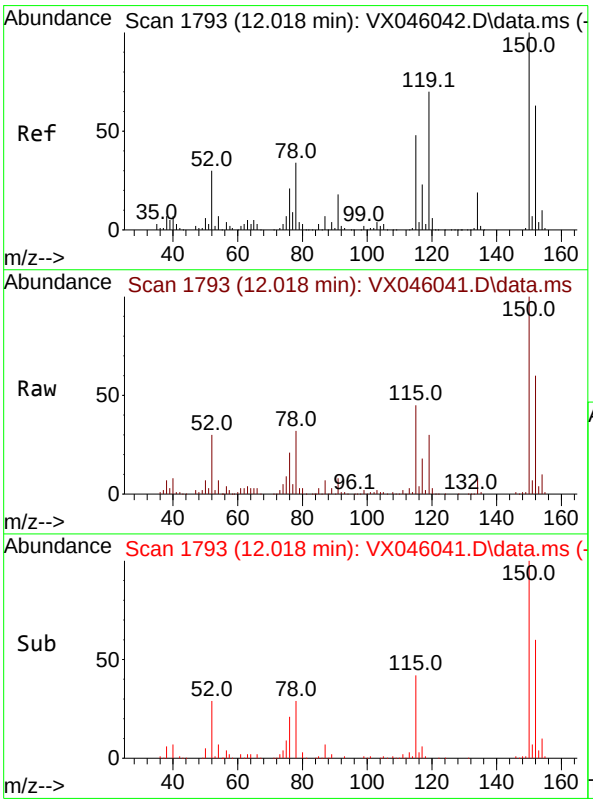
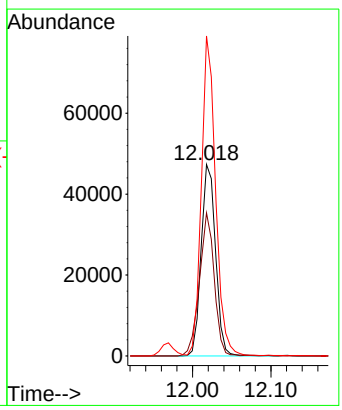
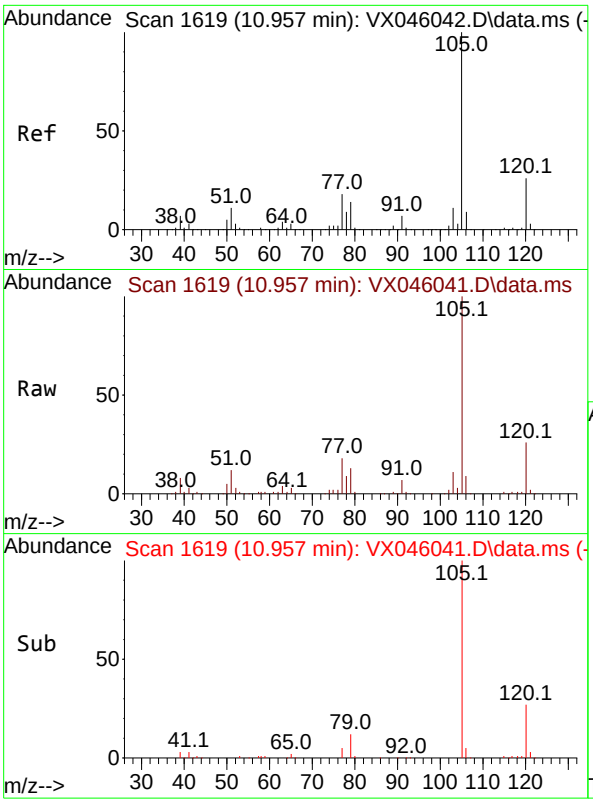


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:152 Resp: 60503

Ion	Ratio	Lower	Upper
152	100		
115	76.6	46.9	140.7
150	163.6	0.0	351.0

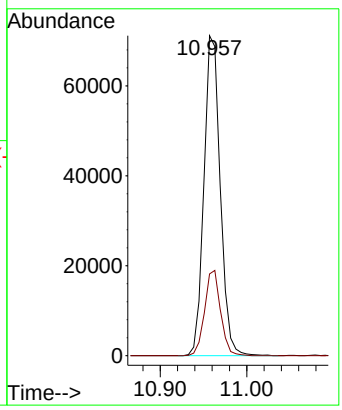




#73
Isopropylbenzene
Concen: 14.096 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 9301

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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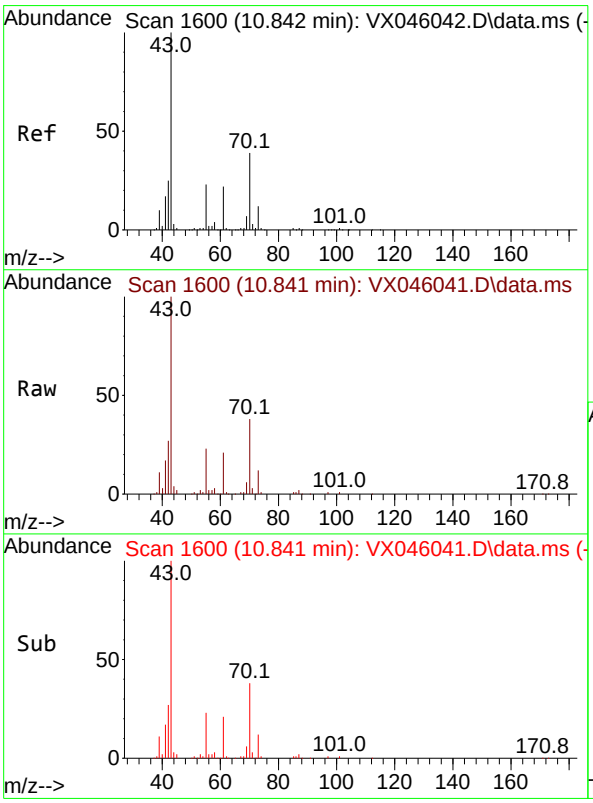
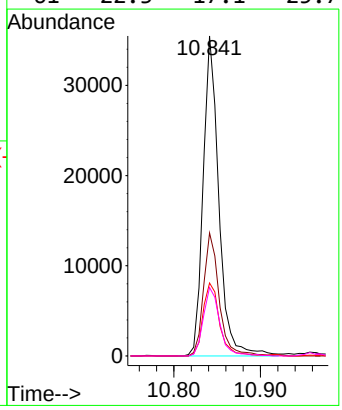
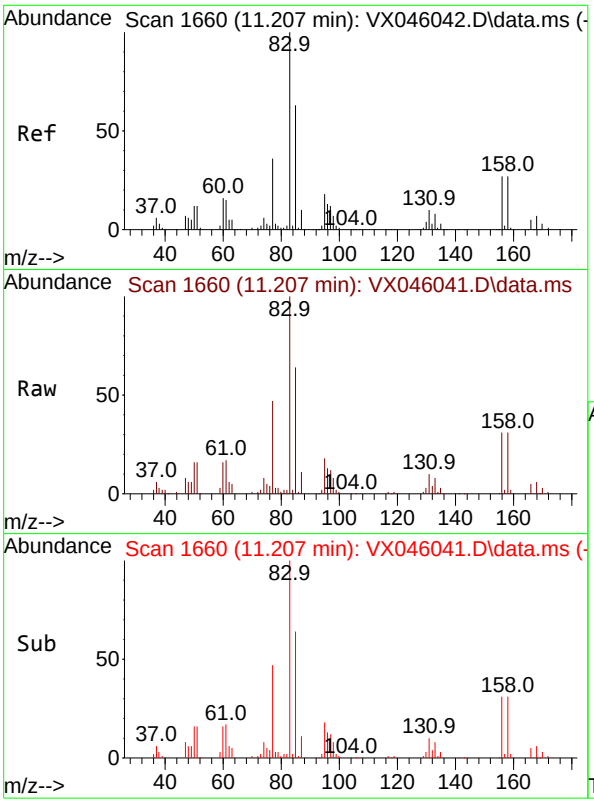


#74
N-amyl acetate
Concen: 13.581 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 44684

Ion	Ratio	Lower	Upper
43	100		
70	38.5	30.9	46.3
55	24.1	18.7	28.1
61	22.3	17.1	25.7

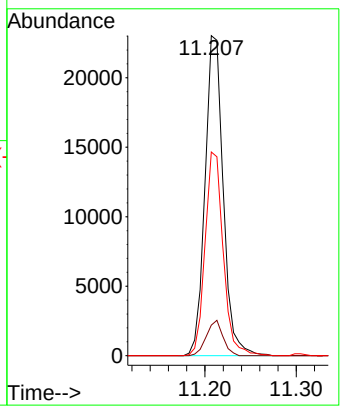




#75
1,1,2,2-Tetrachloroethane
Concen: 13.560 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 3183

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	63.3	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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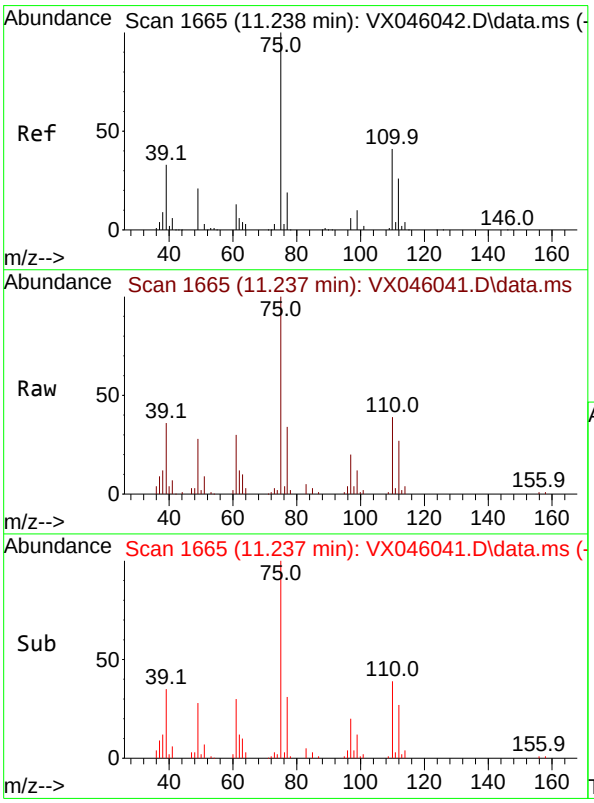
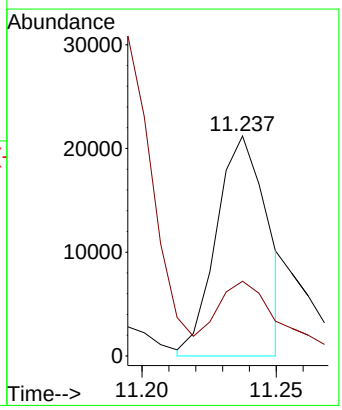
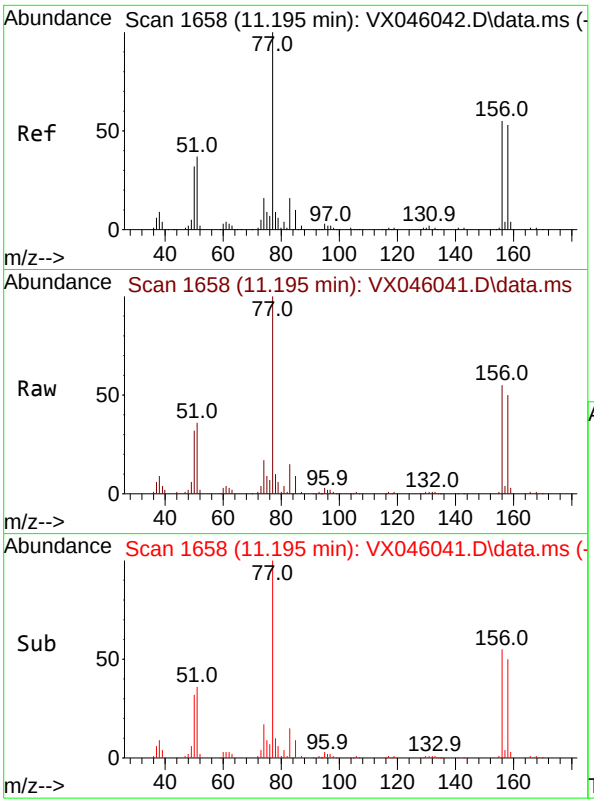


#76
1,2,3-Trichloropropane
Concen: 11.039 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 27845

Ion	Ratio	Lower	Upper
75	100		
77	43.0	20.5	61.5

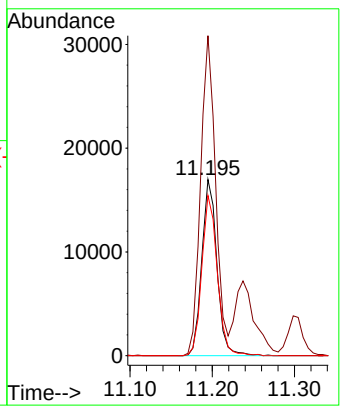




#77
Bromobenzene
Concen: 14.212 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:156 Resp: 2169

Ion	Ratio	Lower	Upper
156	100		
77	179.9	92.8	278.3
158	93.1	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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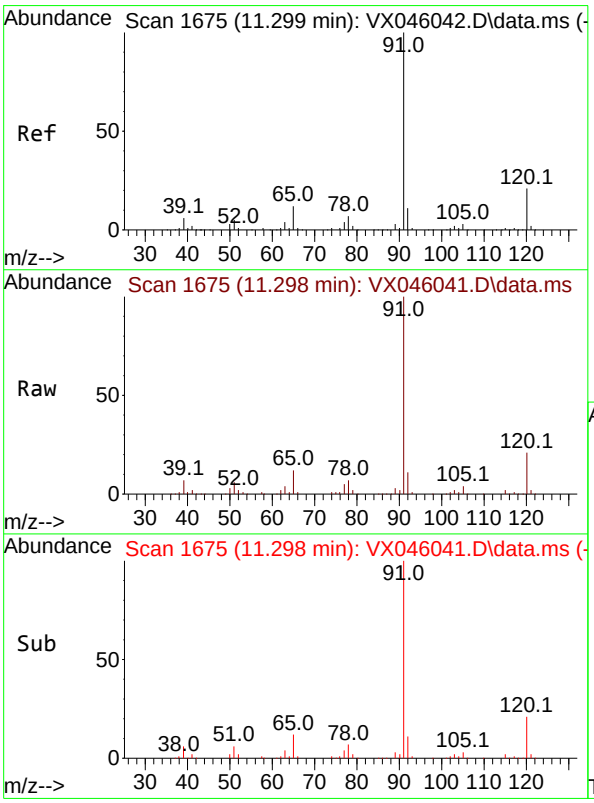
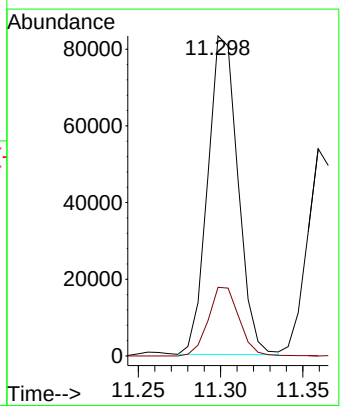
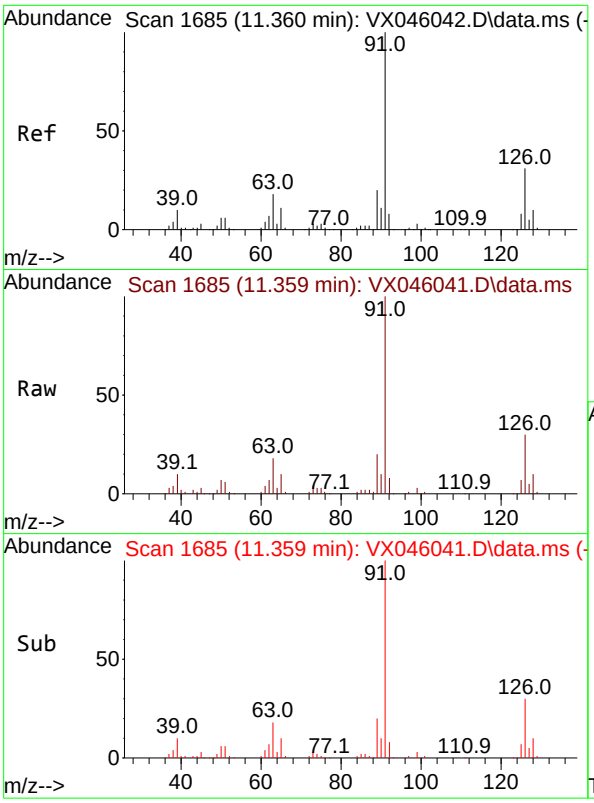


#78
n-propylbenzene
Concen: 14.376 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 106337

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4





#79
2-Chlorotoluene
Concen: 13.748 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 6853

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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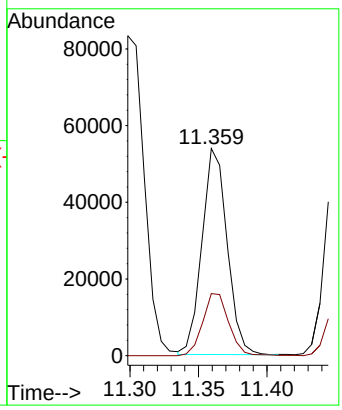
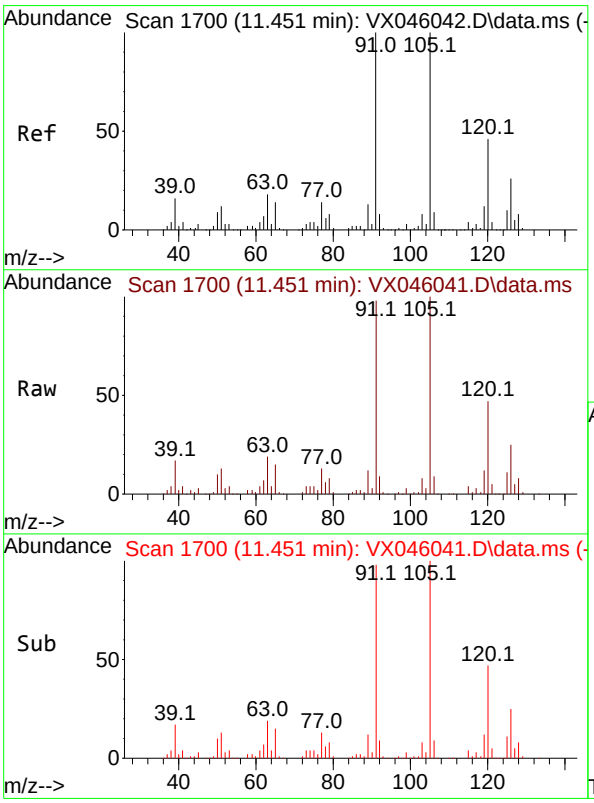
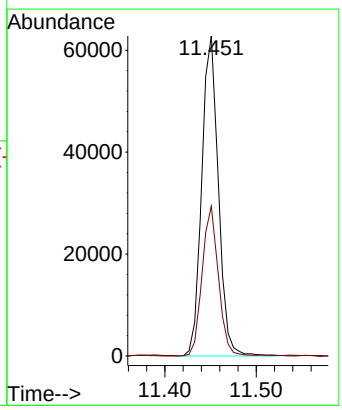


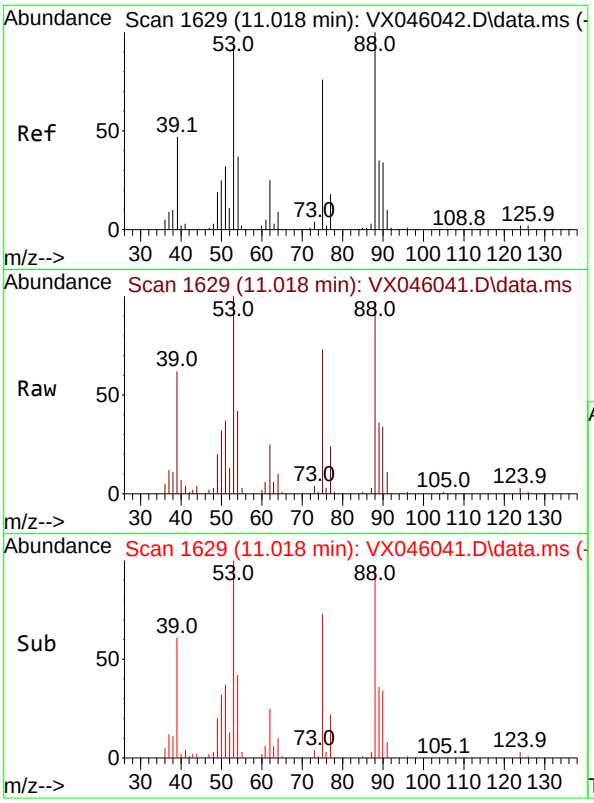


#80
1,3,5-Trimethylbenzene
Concen: 14.468 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 79261

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2

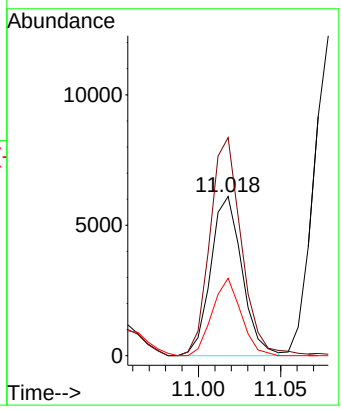




#81
trans-1,4-Dichloro-2-butene
Concen: 13.371 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 810

Ion	Ratio	Lower	Upper
75	100		
53	138.3	100.5	150.7
89	44.6	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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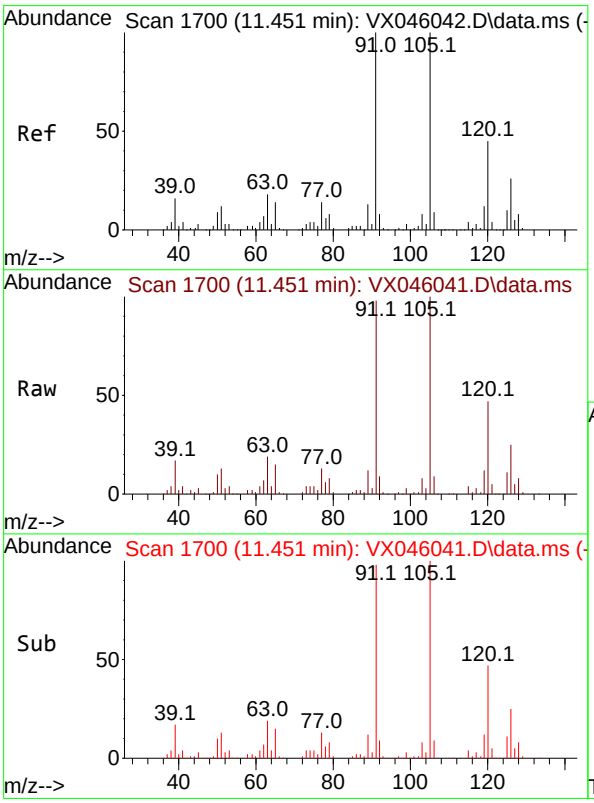
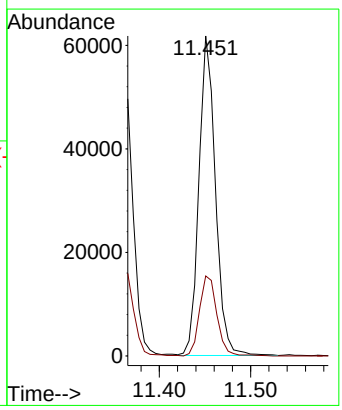
Supervised By :Mahesh Dadoda 05/06/2025

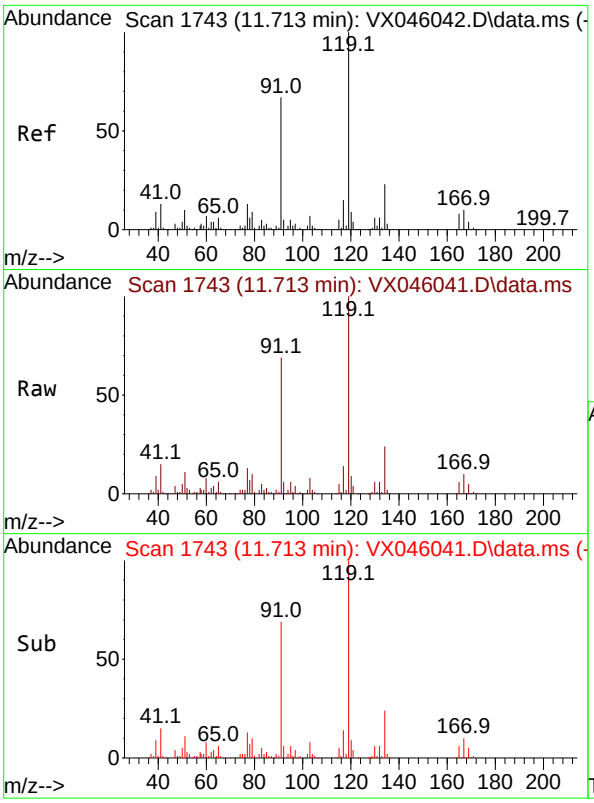


#82
4-Chlorotoluene
Concen: 14.116 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 77338

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8

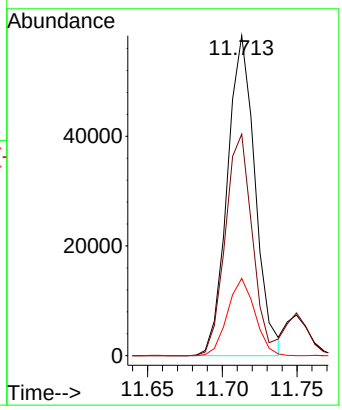




#83
tert-Butylbenzene
Concen: 14.011 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:119 Resp: 7538

Ion	Ratio	Lower	Upper
119	100		
91	66.8	32.9	98.7
134	23.7	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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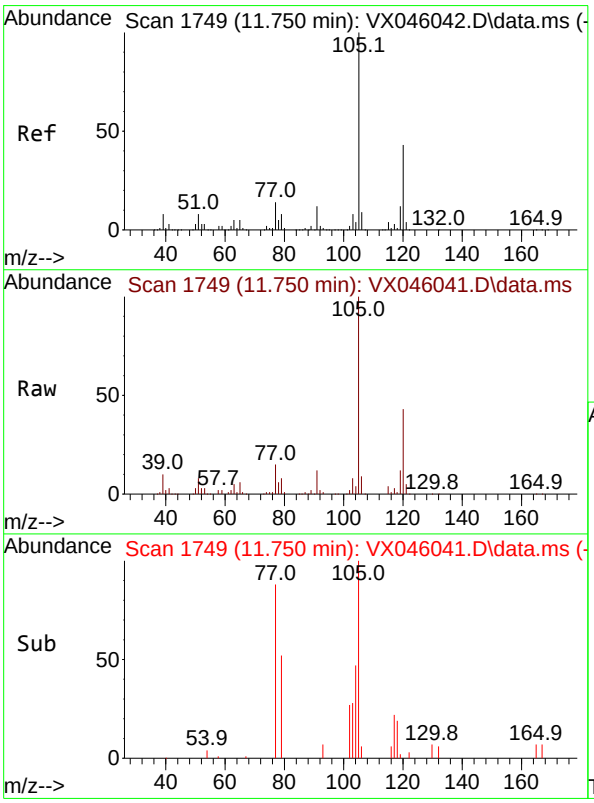
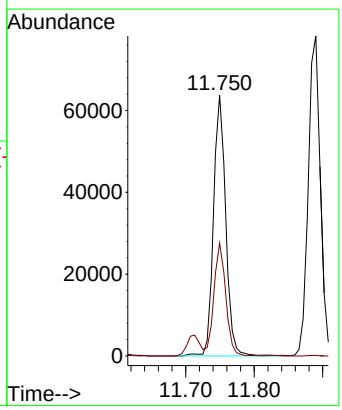
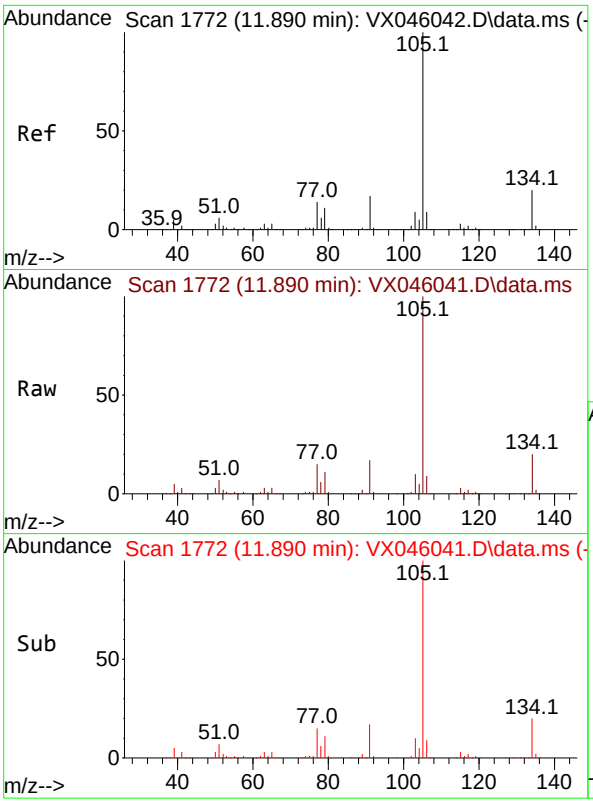


#84
1,2,4-Trimethylbenzene
Concen: 14.480 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 79232

Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.2	63.6

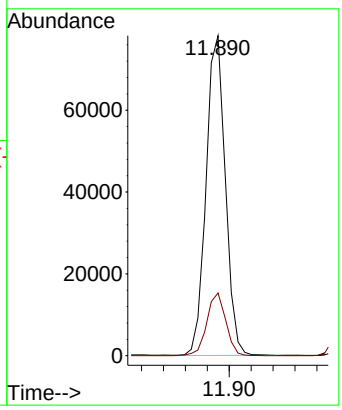




#85
sec-Butylbenzene
Concen: 14.263 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 9527

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
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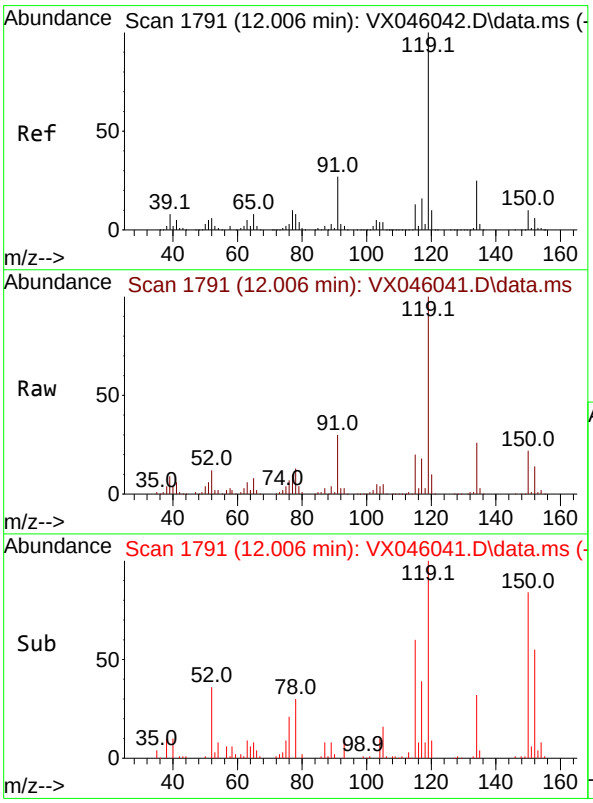
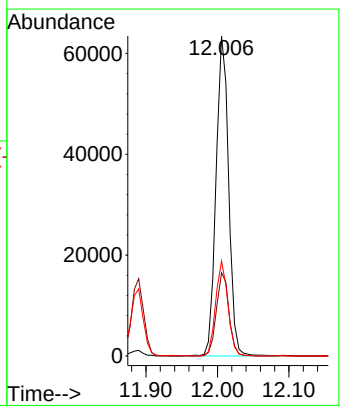
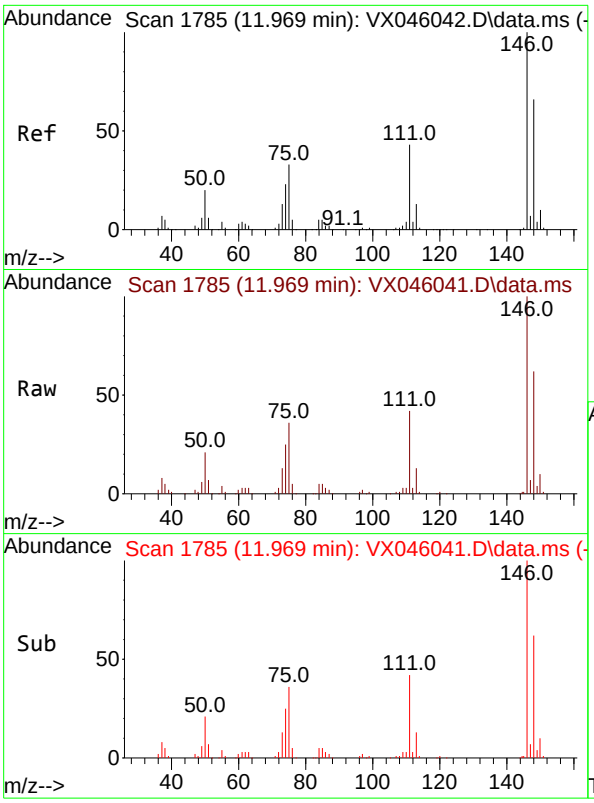


#86
p-Isopropyltoluene
Concen: 14.387 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:119 Resp: 77599

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.5	37.5
91	28.8	13.8	41.4

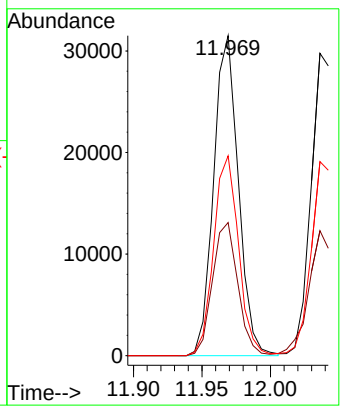




#87
1,3-Dichlorobenzene
Concen: 13.898 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:146 Resp: 3952

Ion	Ratio	Lower	Upper
146	100		
111	42.7	22.1	66.3
148	62.9	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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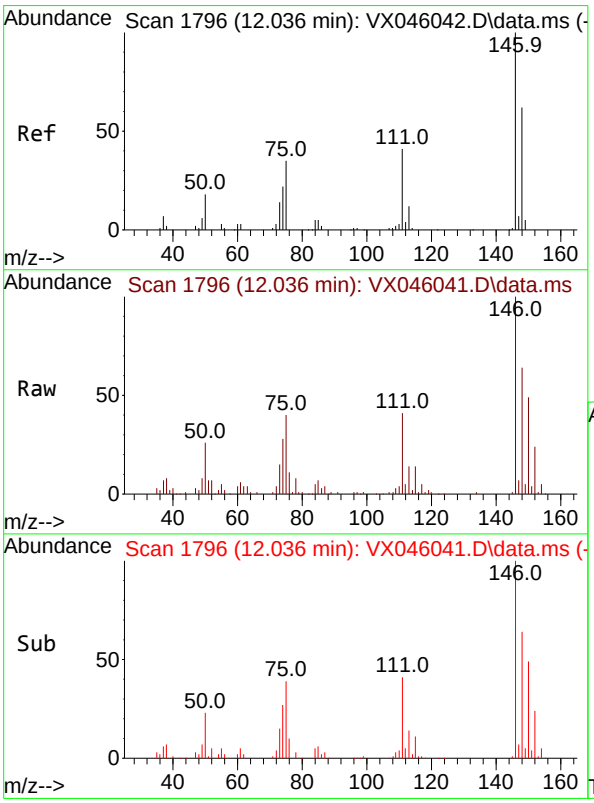
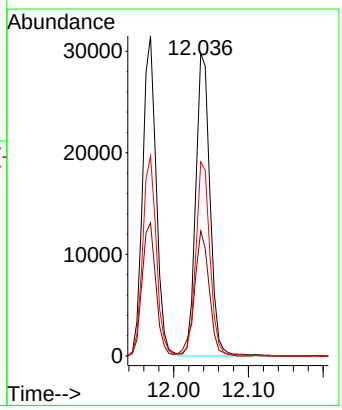
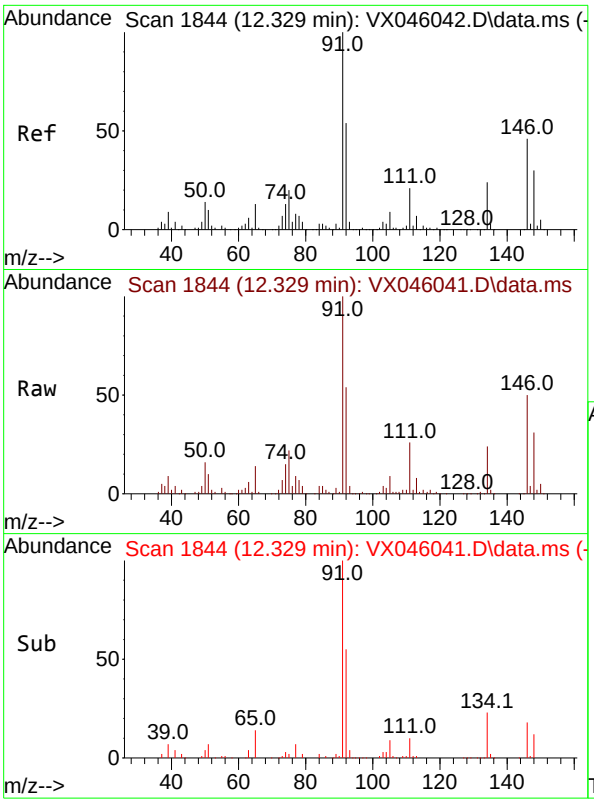


#88
1,4-Dichlorobenzene
Concen: 14.146 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:146 Resp: 39419

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.9
148	64.2	31.9	95.5

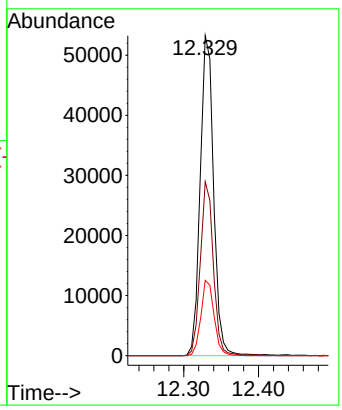




#89
n-Butylbenzene
Concen: 14.184 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 6650

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.9	80.7
134	23.1	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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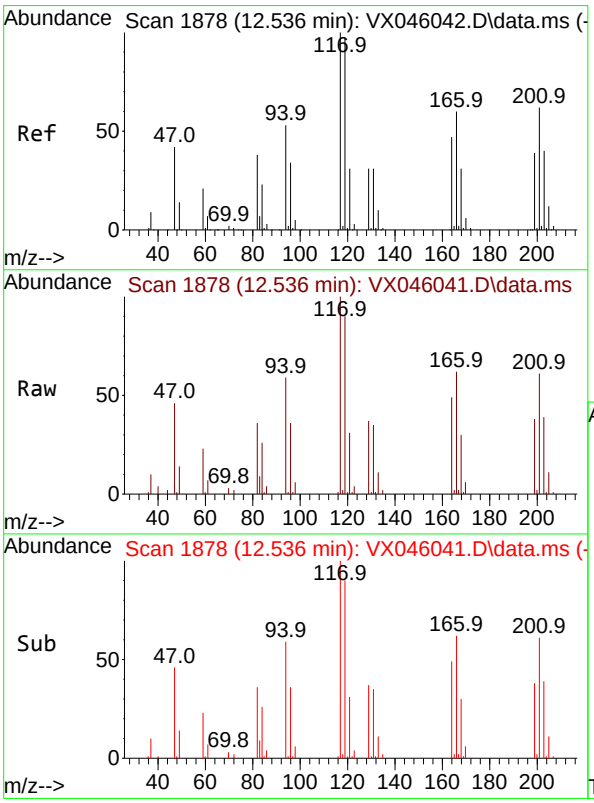
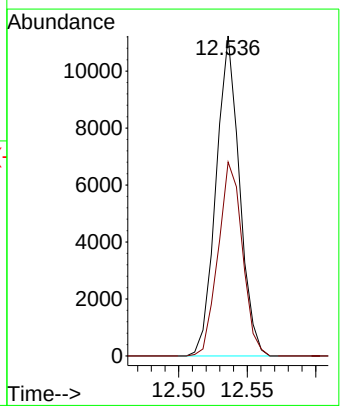
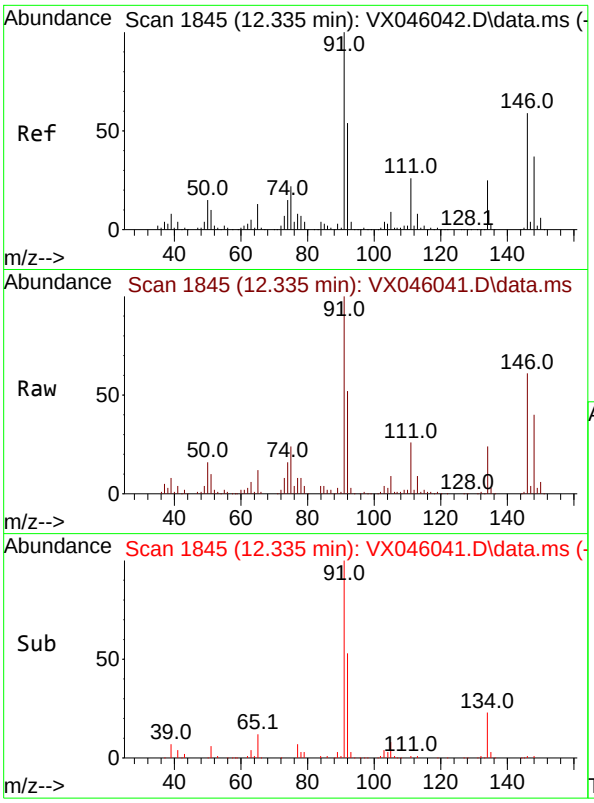


#90
Hexachloroethane
Concen: 13.287 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 13332

Ion	Ratio	Lower	Upper
117	100		
201	62.9	31.6	94.7

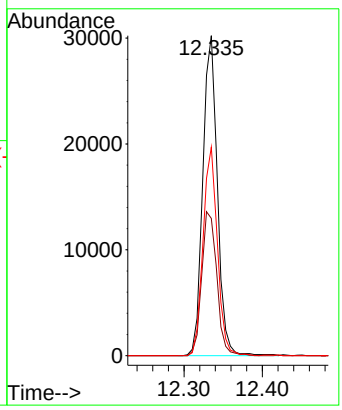




#91
1,2-Dichlorobenzene
Concen: 14.092 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:146 Resp: 3903

Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.4	67.3
148	64.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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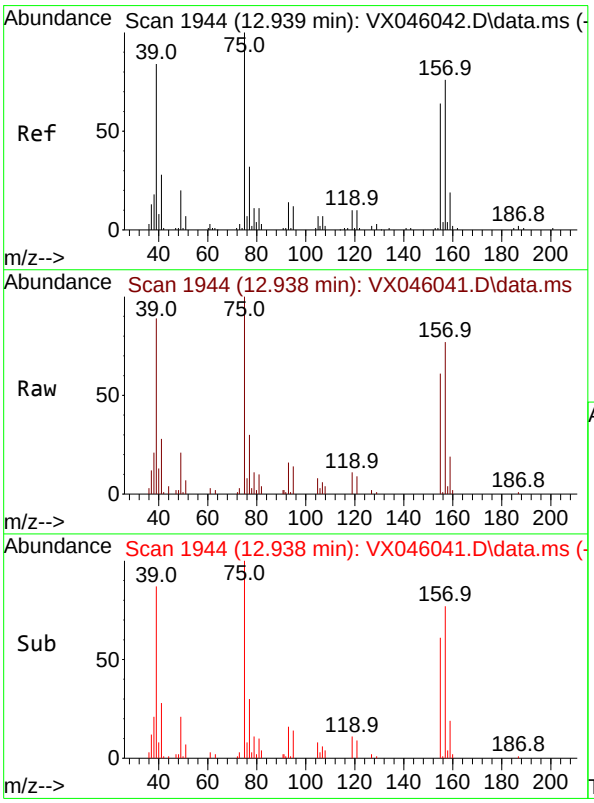
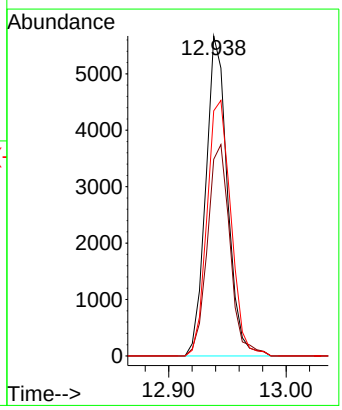
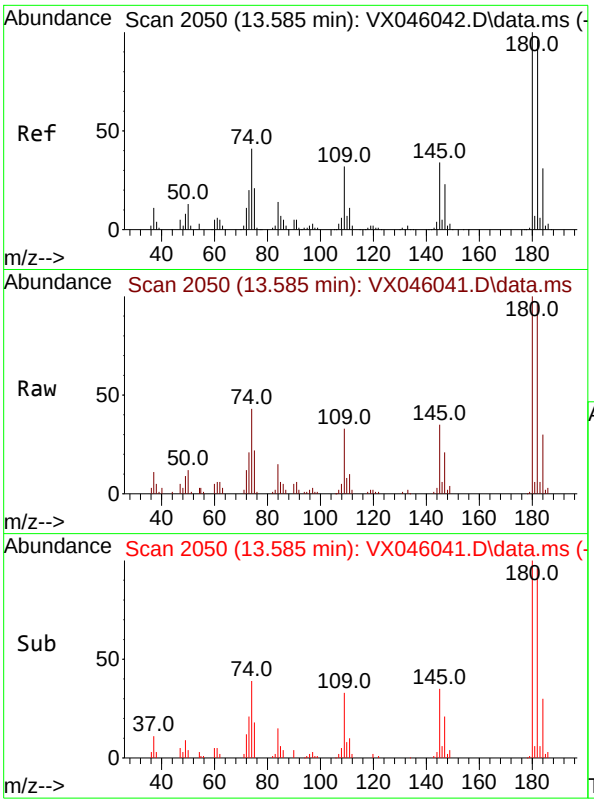


#92
1,2-Dibromo-3-Chloropropane
Concen: 13.535 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 7232

Ion	Ratio	Lower	Upper
75	100		
155	69.4	34.9	104.8
157	88.4	43.8	131.4

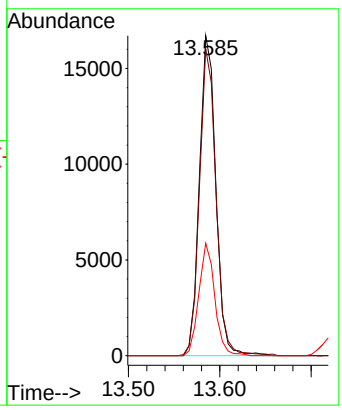




#93
1,2,4-Trichlorobenzene
Concen: 13.745 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:180 Resp: 2084

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.8
145	34.1	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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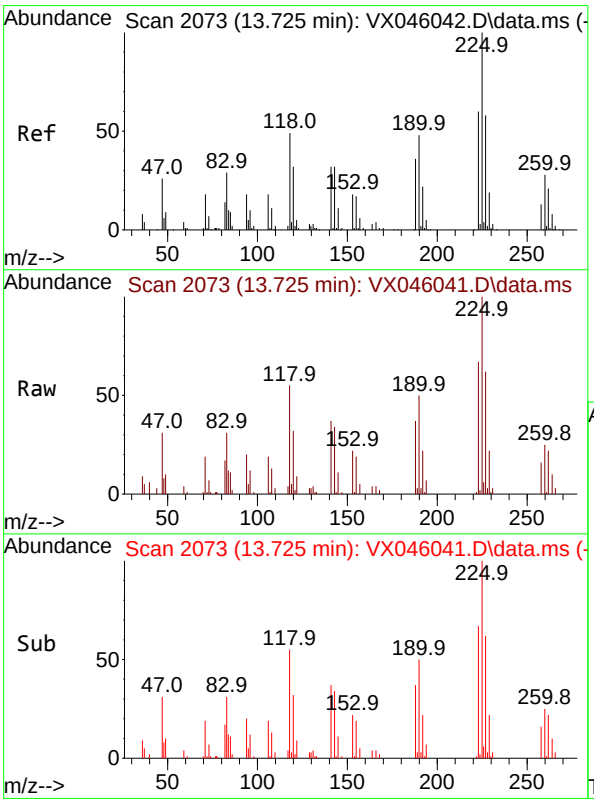
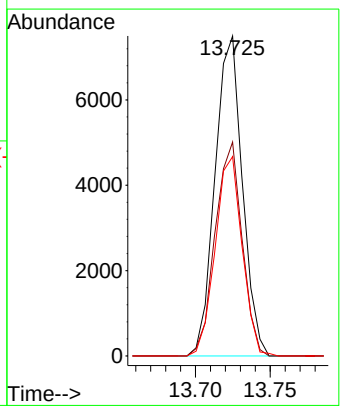
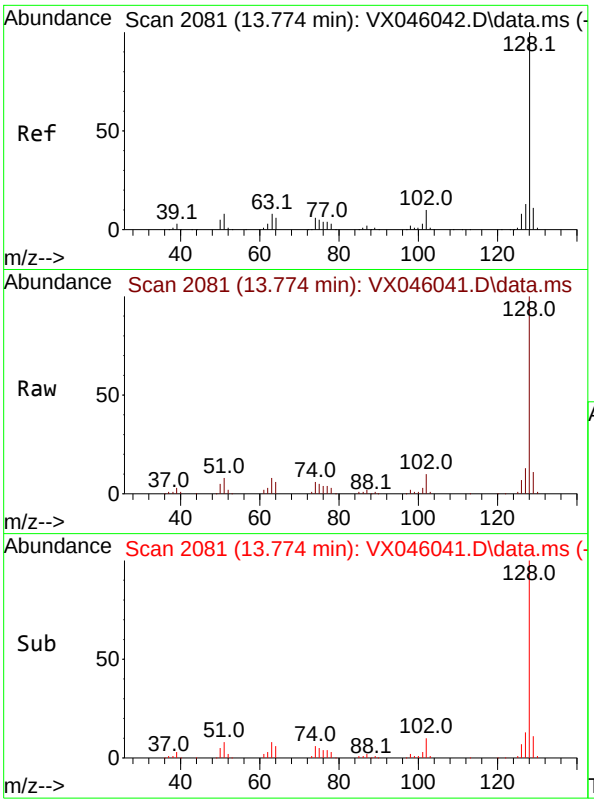


#94
Hexachlorobutadiene
Concen: 13.426 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:225 Resp: 9524

Ion	Ratio	Lower	Upper
225	100		
223	65.6	30.8	92.4
227	61.4	30.9	92.7

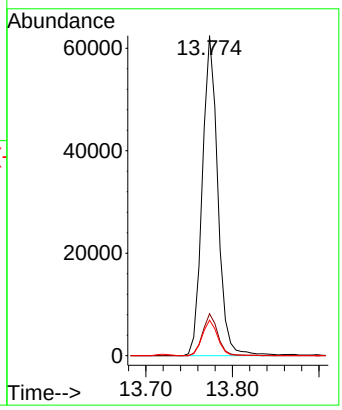




#95
Naphthalene
Concen: 14.040 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:128 Resp: 7754

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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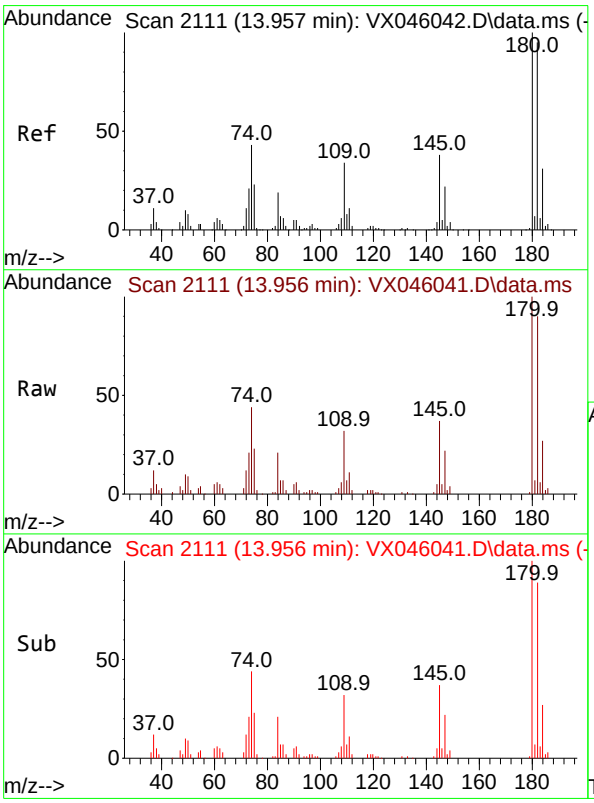
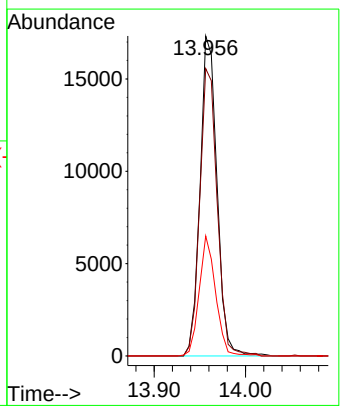


#96
1,2,3-Trichlorobenzene
Concen: 14.023 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:180 Resp: 22301

Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.8	143.3
145	36.5	18.1	54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	97076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88371	30.601	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	61.200%#		
35) Dibromofluoromethane	5.379	113	59550	31.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	63.260%#		
50) Toluene-d8	8.647	98	205479	32.395	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	64.780%#		
62) 4-Bromofluorobenzene	11.079	95	79012	34.229	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	68.460%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	83826	39.120	ug/l	100
3) Chloromethane	1.307	50	75238	35.658	ug/l	100
4) Vinyl Chloride	1.374	62	68901	37.273	ug/l	100
5) Bromomethane	1.593	94	31648	33.765	ug/l	100
6) Chloroethane	1.666	64	36722	38.558	ug/l	100
7) Trichlorofluoromethane	1.874	101	103693	36.824	ug/l	100
8) Diethyl Ether	2.136	74	32724	35.350	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	62251	36.997	ug/l	100
10) Methyl Iodide	2.447	142	78277	39.622	ug/l	100
11) Tert butyl alcohol	2.977	59	62557	181.745	ug/l	100
12) 1,1-Dichloroethene	2.313	96	58334	35.610	ug/l	100
13) Acrolein	2.233	56	73927	184.907	ug/l	100
14) Allyl chloride	2.654	41	114445	36.971	ug/l	100
15) Acrylonitrile	3.062	53	188304	182.874	ug/l	100
16) Acetone	2.386	43	175777	177.910	ug/l	100
17) Carbon Disulfide	2.502	76	141281	37.223	ug/l	100
18) Methyl Acetate	2.703	43	82347	34.915	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	209665	36.695	ug/l	100
20) Methylene Chloride	2.782	84	66412	33.182	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	59234	35.421	ug/l	100
22) Diisopropyl ether	3.757	45	221172	38.241	ug/l	100
23) Vinyl Acetate	3.721	43	994236	194.528	ug/l	100
24) 1,1-Dichloroethane	3.605	63	122601	36.067	ug/l	100
25) 2-Butanone	4.556	43	269224	188.783	ug/l	100
26) 2,2-Dichloropropane	4.465	77	92857	36.059	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71518	35.466	ug/l	100
28) Bromochloromethane	4.898	49	56091	31.031	ug/l	100
29) Tetrahydrofuran	5.001	42	170124	183.679	ug/l	100
30) Chloroform	5.087	83	125850	35.626	ug/l	100
31) Cyclohexane	5.464	56	109459	38.205	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	109781	36.034	ug/l	100
36) 1,1-Dichloropropene	5.684	75	83215	38.073	ug/l	100
37) Ethyl Acetate	4.715	43	102537	37.394	ug/l	100
38) Carbon Tetrachloride	5.672	117	93712	37.320	ug/l	100
39) Methylcyclohexane	7.373	83	107651	39.307	ug/l	100
40) Benzene	6.031	78	247476	36.530	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	58082	38.123	ug/l		100
42) 1,2-Dichloroethane	6.080	62	105332	37.605	ug/l		100
43) Isopropyl Acetate	6.336	43	161787	38.598	ug/l		100
44) Trichloroethene	7.123	130	59623	37.230	ug/l		100
45) 1,2-Dichloropropane	7.428	63	62387	37.064	ug/l		100
46) Dibromomethane	7.574	93	48201	36.326	ug/l		100
47) Bromodichloromethane	7.818	83	96916	37.685	ug/l		100
48) Methyl methacrylate	7.690	41	84277	39.157	ug/l		100
49) 1,4-Dioxane	7.659	88	30529	713.477	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	532388	193.653	ug/l		100
52) Toluene	8.714	92	150757	37.530	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	88655	41.056	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	97031	38.521	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	59499	36.648	ug/l		100
56) Ethyl methacrylate	9.116	69	99947	39.726	ug/l		100
57) 1,3-Dichloropropane	9.305	76	104606	36.347	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	257678	227.902	ug/l		100
59) 2-Hexanone	9.427	43	396784	190.168	ug/l		100
60) Dibromochloromethane	9.519	129	67198	38.027	ug/l		100
61) 1,2-Dibromoethane	9.604	107	62633	37.567	ug/l		100
64) Tetrachloroethene	9.269	164	54853	36.726	ug/l		100
65) Chlorobenzene	10.079	112	160600	35.686	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57066	38.017	ug/l		100
67) Ethyl Benzene	10.189	91	295712	38.543	ug/l		100
68) m/p-Xylenes	10.299	106	216578	78.142	ug/l		100
69) o-Xylene	10.640	106	106335	38.064	ug/l		100
70) Styrene	10.653	104	178313	39.888	ug/l		100
71) Bromoform	10.799	173	44486	39.457	ug/l	#	100
73) Isopropylbenzene	10.957	105	280719	37.865	ug/l		100
74) N-amyl acetate	10.842	43	140509	38.012	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	90975	34.495	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	80678m	28.468	ug/l		
77) Bromobenzene	11.195	156	63053	36.763	ug/l		100
78) n-propylbenzene	11.299	91	329981	39.707	ug/l		100
79) 2-Chlorotoluene	11.360	91	203509	36.336	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	237066	38.516	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	26179	38.445	ug/l		100
82) 4-Chlorotoluene	11.451	91	233172	37.880	ug/l		100
83) tert-Butylbenzene	11.713	119	233468	38.622	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	239433	38.946	ug/l		100
85) sec-Butylbenzene	11.890	105	291074	38.786	ug/l		100
86) p-Isopropyltoluene	12.006	119	241658	39.879	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	115651	36.199	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	115097	36.763	ug/l		100
89) n-Butylbenzene	12.329	91	213899	40.603	ug/l		100
90) Hexachloroethane	12.536	117	42314	37.534	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	115286	37.047	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21909	36.496	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	66655	39.117	ug/l		100
94) Hexachlorobutadiene	13.725	225	29007	36.395	ug/l		100
95) Naphthalene	13.774	128	245568	39.575	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	69262	38.765	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 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\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
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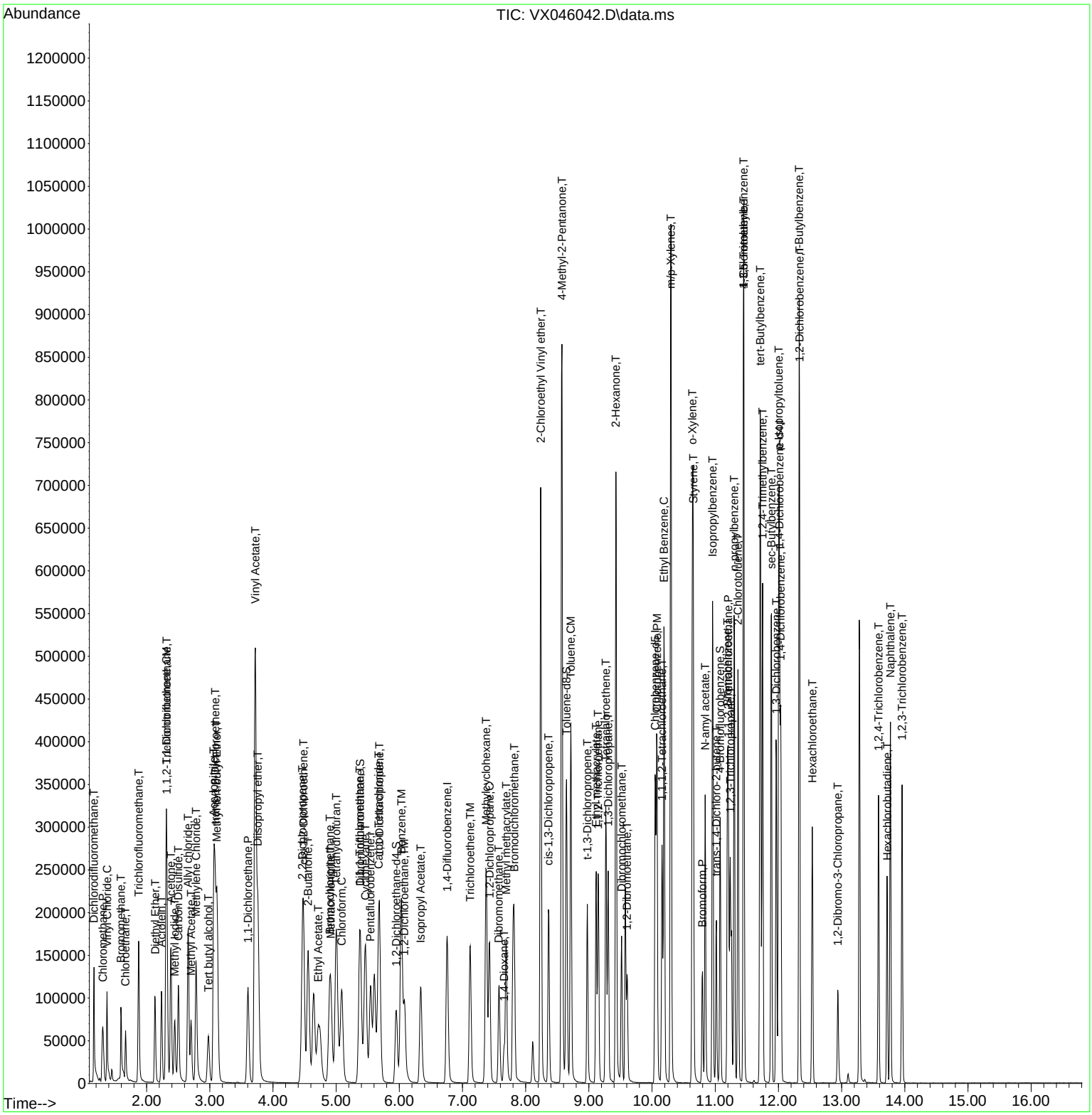
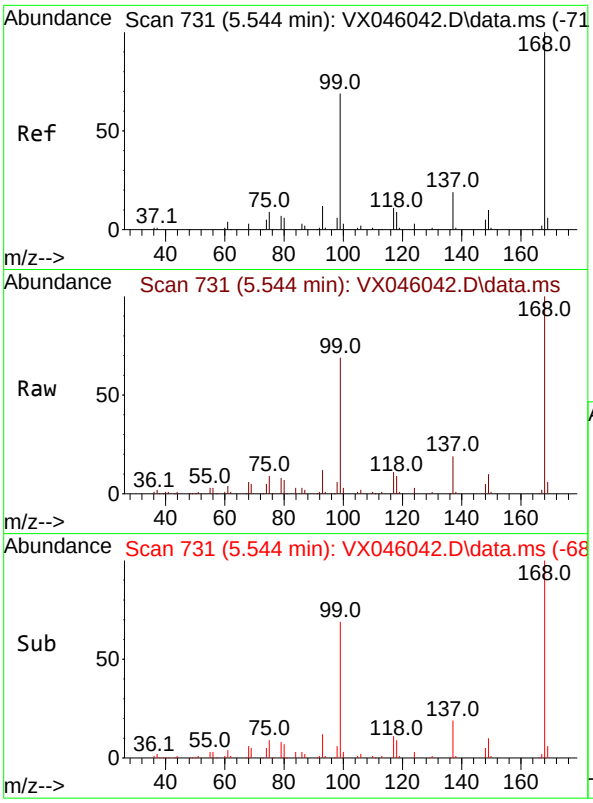
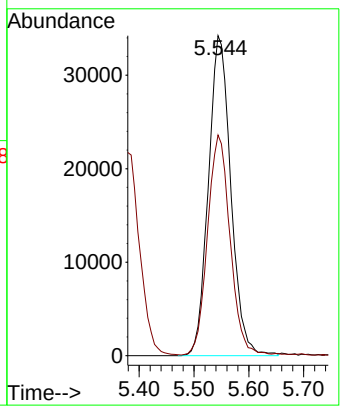




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:168 Resp: 9707

Ion	Ratio	Lower	Upper
168	100		
99	68.6	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
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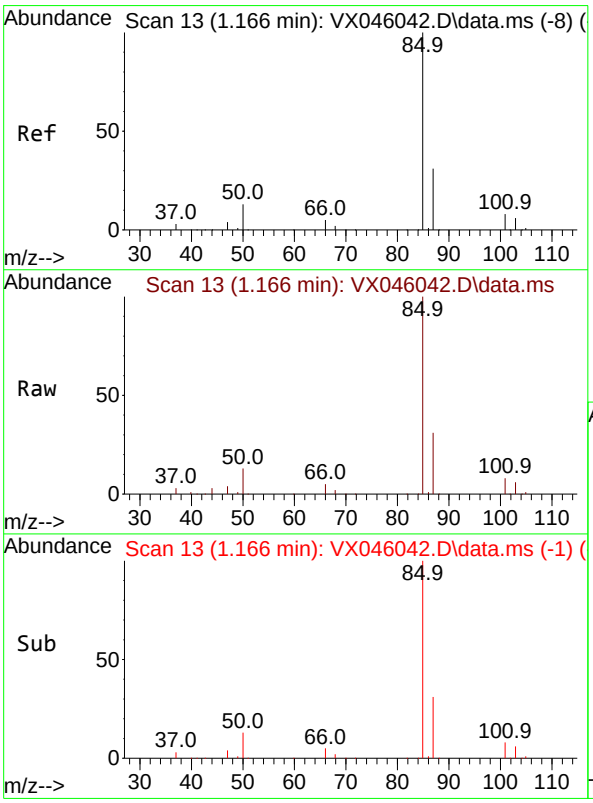
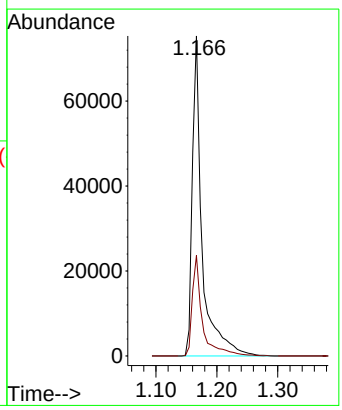
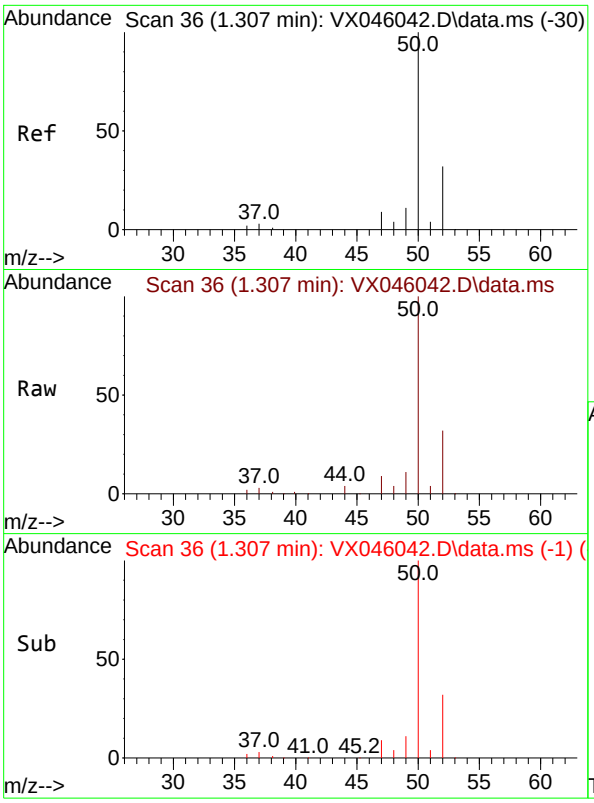


#2
Dichlorodifluoromethane
Concen: 39.120 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 85 Resp: 83826

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.7	47.1





#3
Chloromethane
Concen: 35.658 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

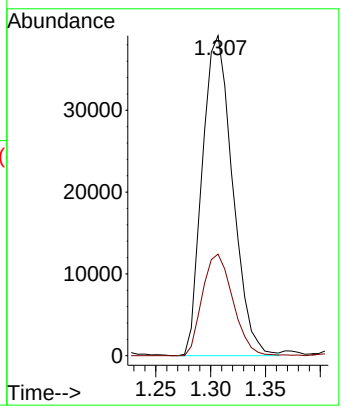
Tgt Ion: 50 Resp: 7523

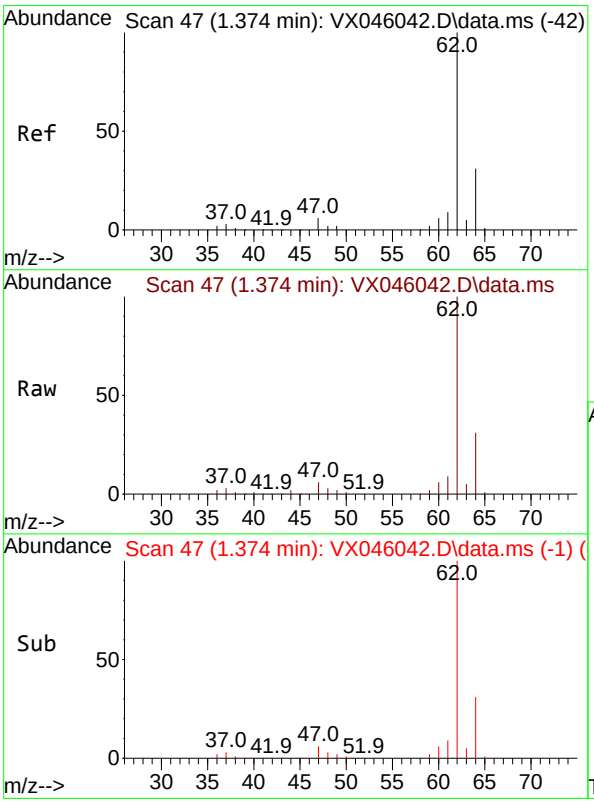
Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

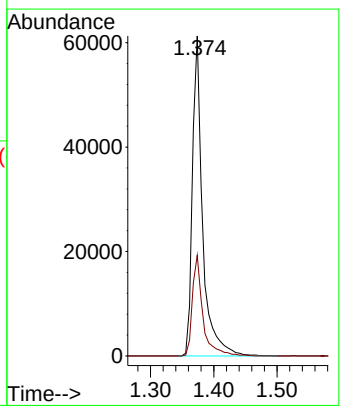


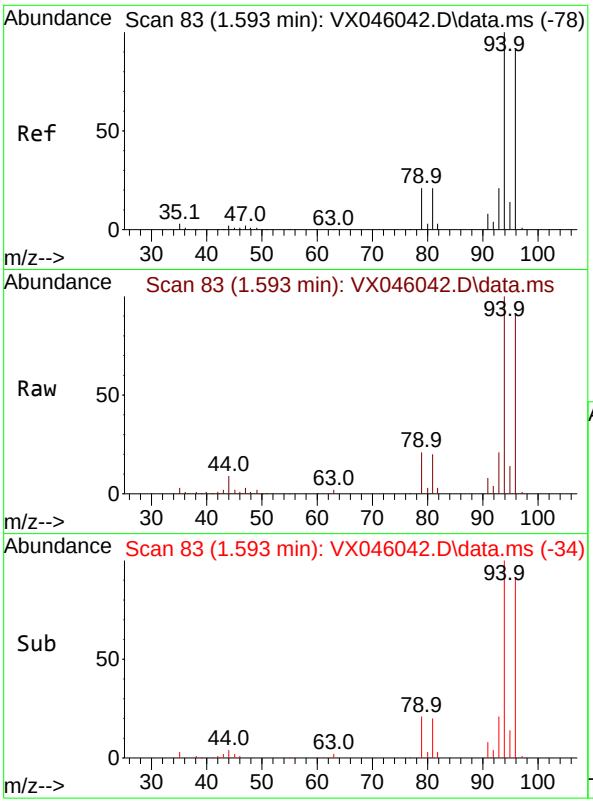


#4
Vinyl Chloride
Concen: 37.273 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 68901

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.2	37.8

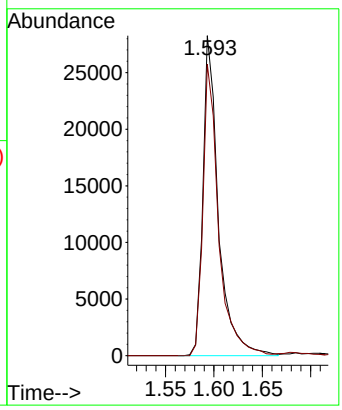




#5
Bromomethane
Concen: 33.765 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 94 Resp: 3164

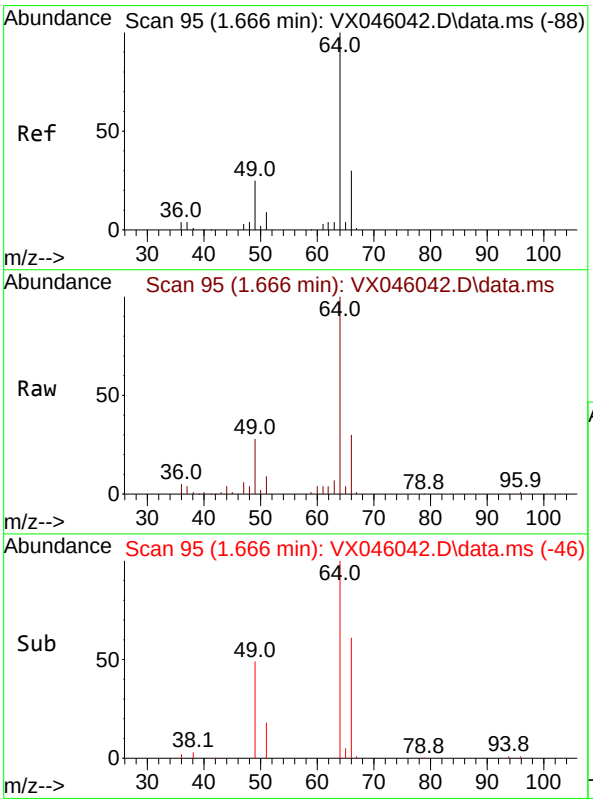
Ion	Ratio	Lower	Upper
94	100		
96	91.0	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

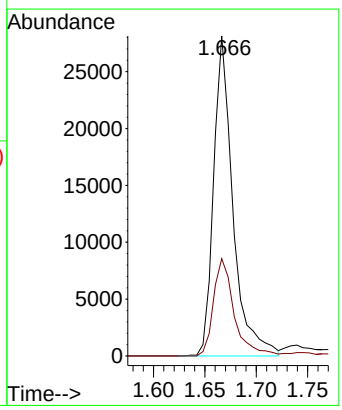
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

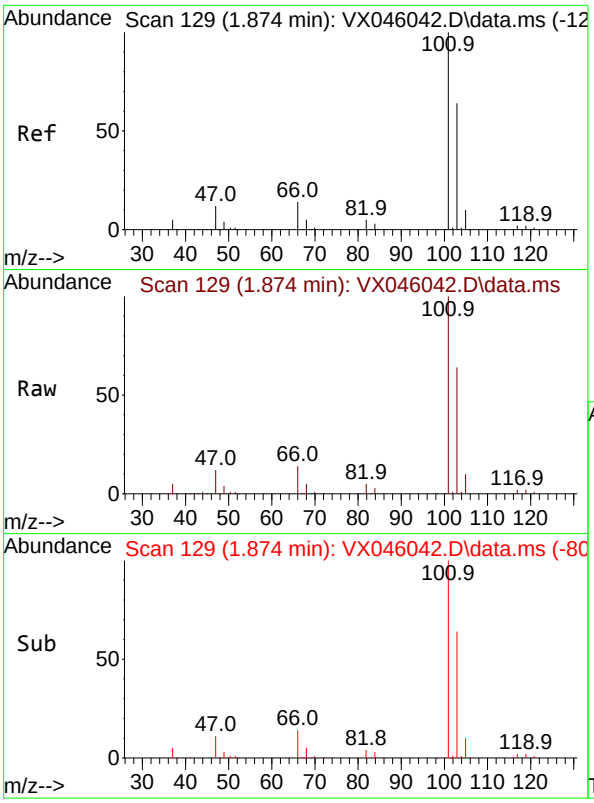


#6
Chloroethane
Concen: 38.558 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 64 Resp: 36722

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.3	36.5

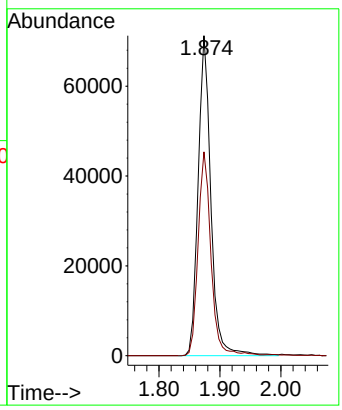




#7
Trichlorofluoromethane
Concen: 36.824 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:101 Resp: 10369

Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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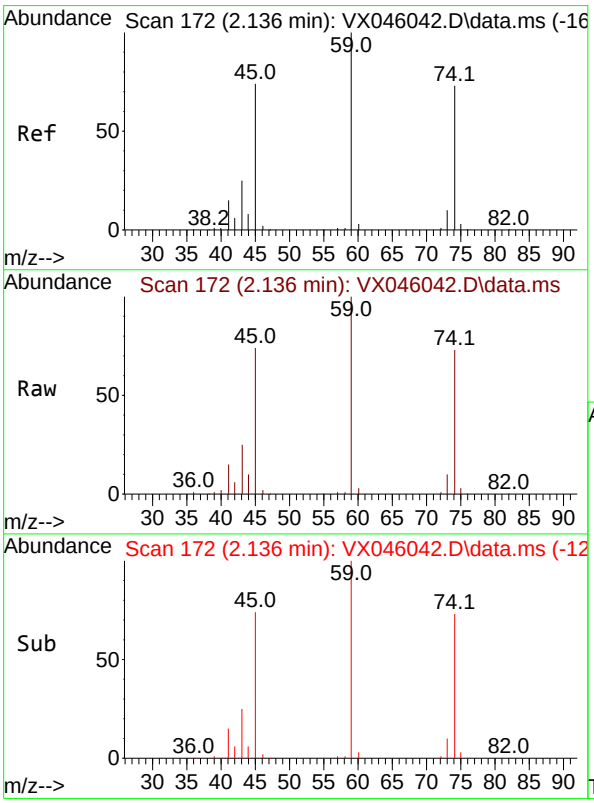
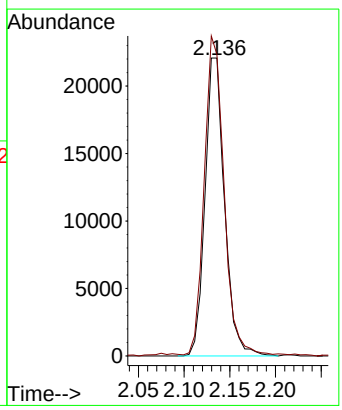
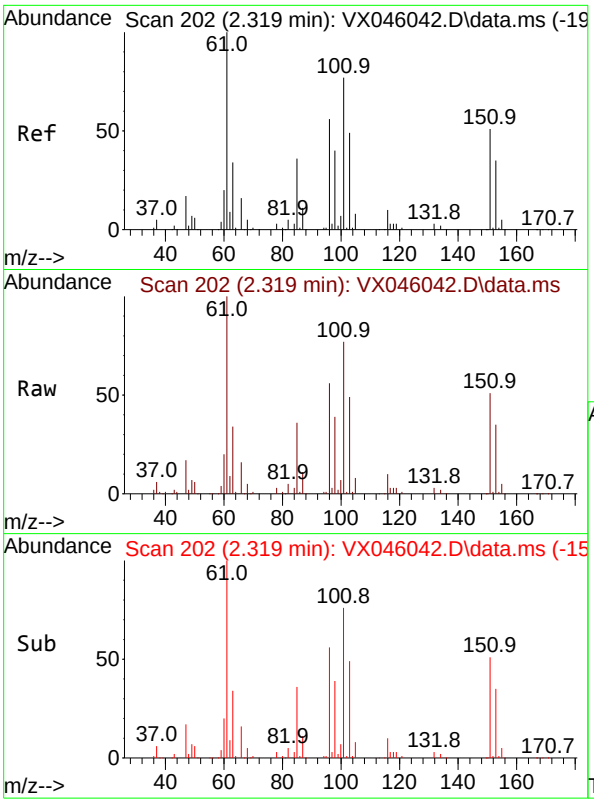


#8
Diethyl Ether
Concen: 35.350 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 74 Resp: 32724

Ion	Ratio	Lower	Upper
74	100		
45	109.9	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 36.997 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:101 Resp: 6225

Ion	Ratio	Lower	Upper
101	100		
85	48.3	38.6	58.0
151	69.0	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
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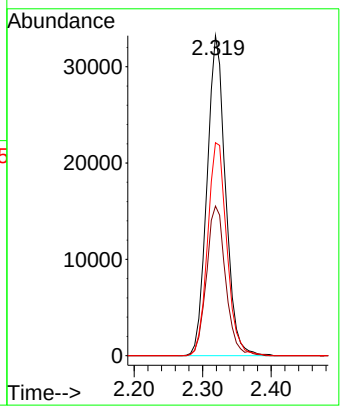
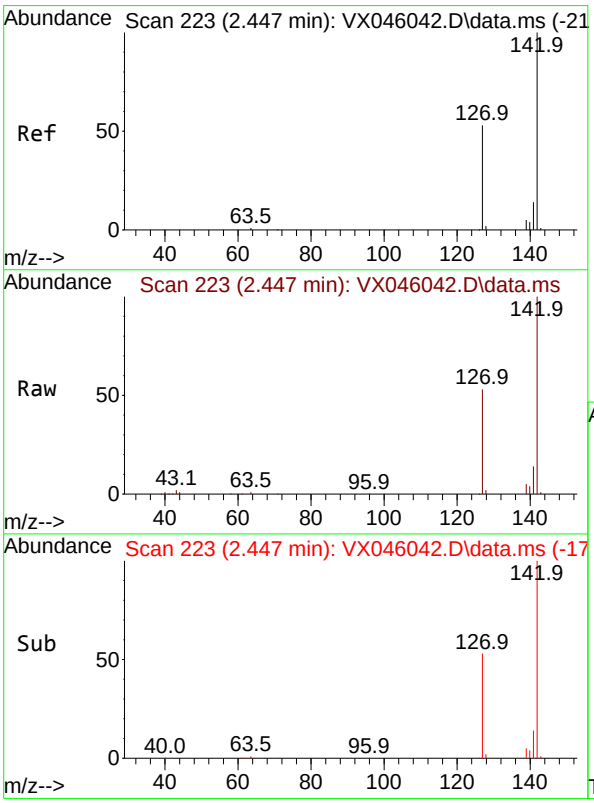
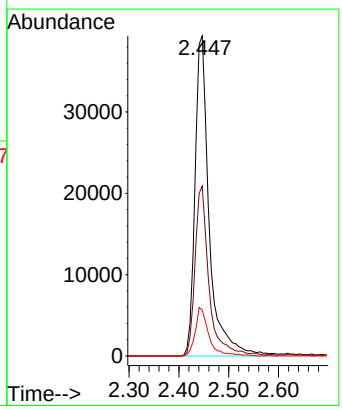


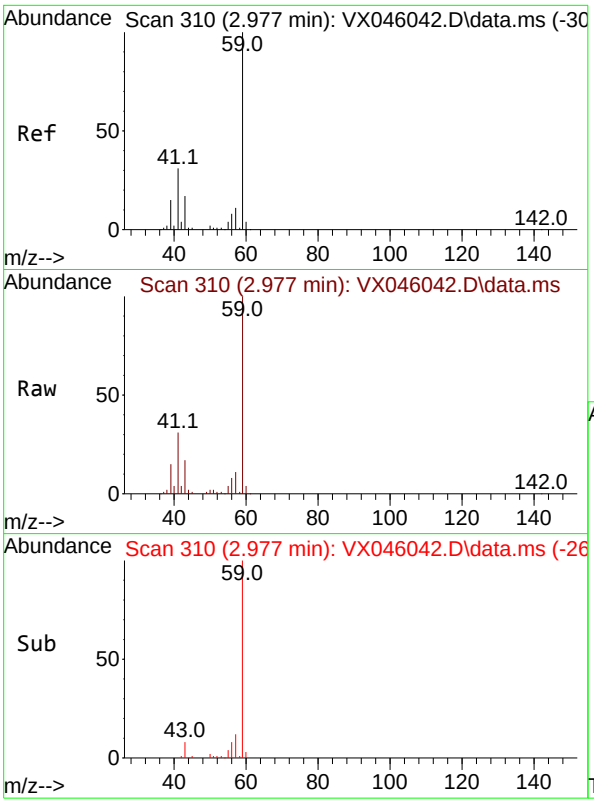


#10
Methyl Iodide
Concen: 39.622 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:142 Resp: 78277

Ion	Ratio	Lower	Upper
142	100		
127	52.1	41.7	62.5
141	14.4	11.5	17.3

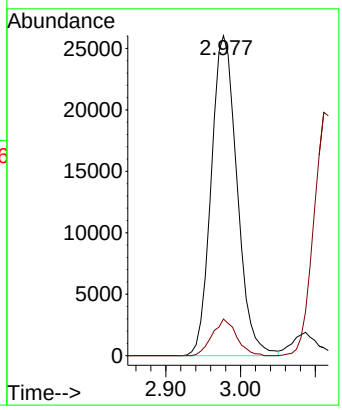




#11
Tert butyl alcohol
Concen: 181.745 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 59 Resp: 6255

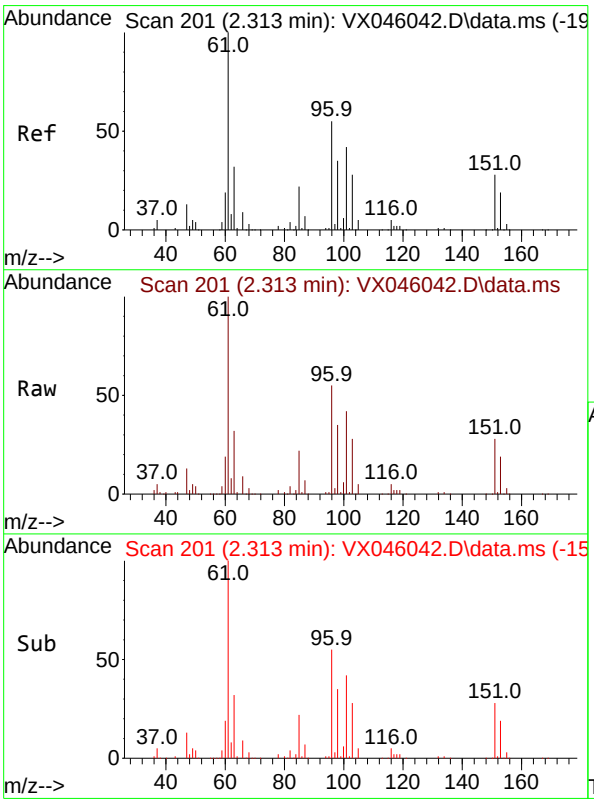
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

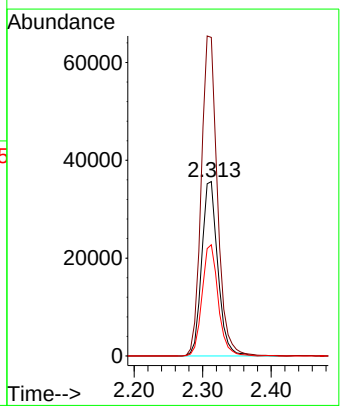
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

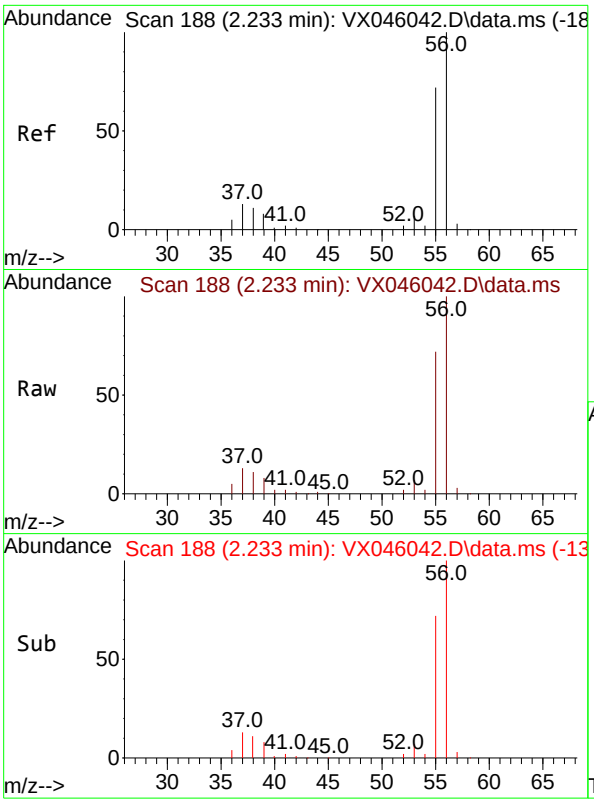


#12
1,1-Dichloroethene
Concen: 35.610 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 96 Resp: 58334

Ion	Ratio	Lower	Upper
96	100		
61	182.7	146.2	219.2
98	63.8	51.0	76.6

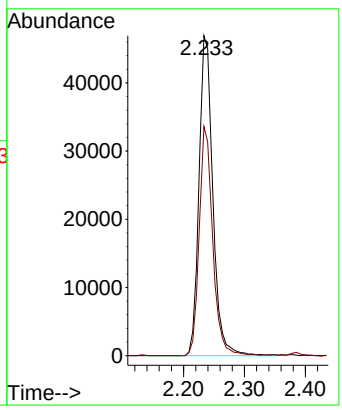




#13
Acrolein
Concen: 184.907 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 56 Resp: 7392

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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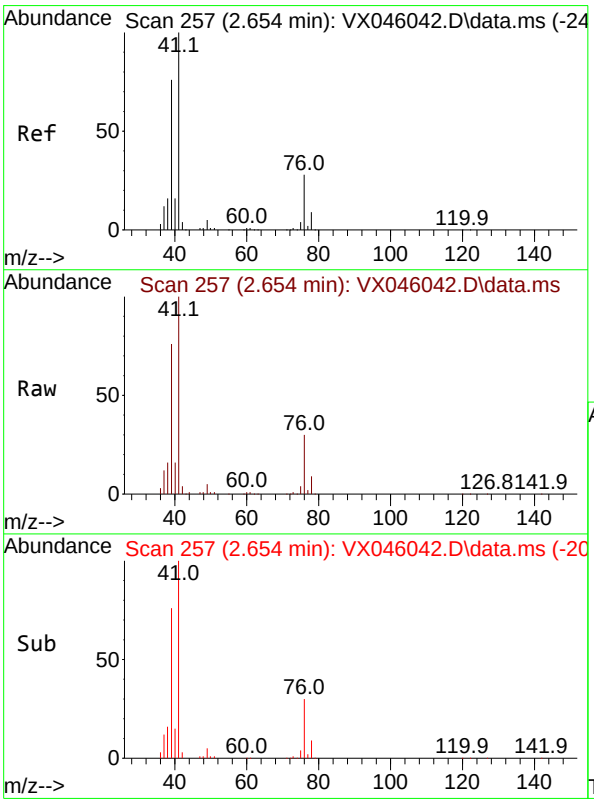
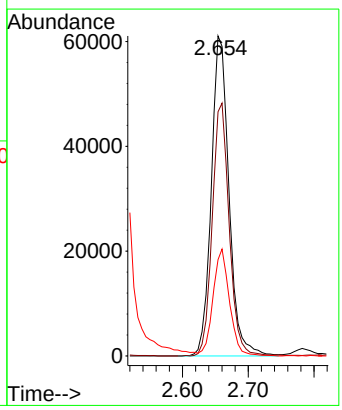
Supervised By :Mahesh Dadoda 05/06/2025

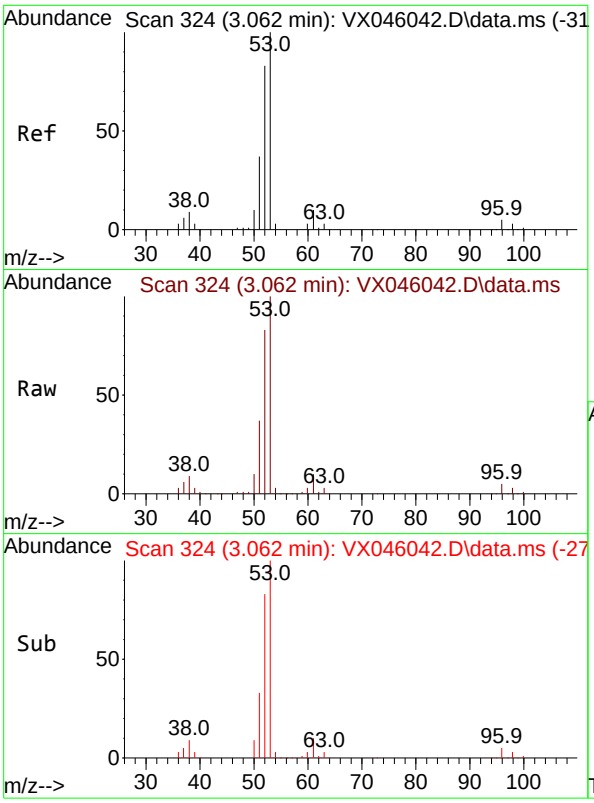


#14
Allyl chloride
Concen: 36.971 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 41 Resp: 114445

Ion	Ratio	Lower	Upper
41	100		
39	75.7	60.6	90.8
76	31.1	24.9	37.3

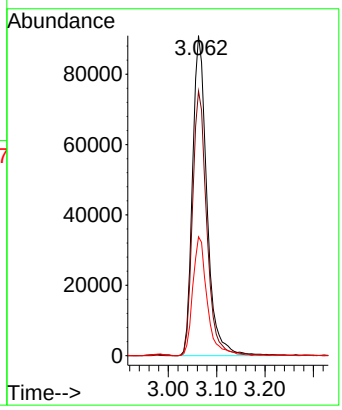




#15
Acrylonitrile
Concen: 182.874 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 53 Resp: 18830

Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.3	97.9
51	37.3	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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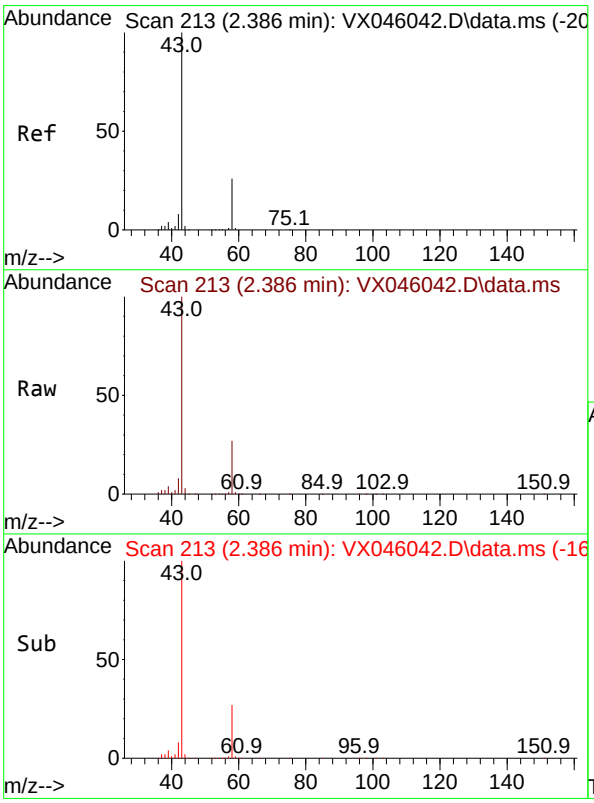
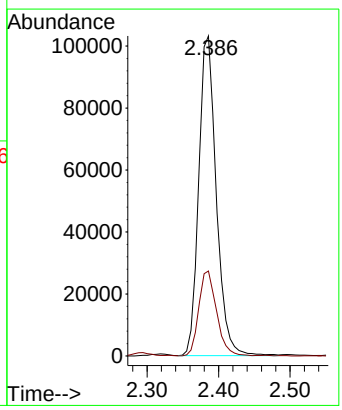
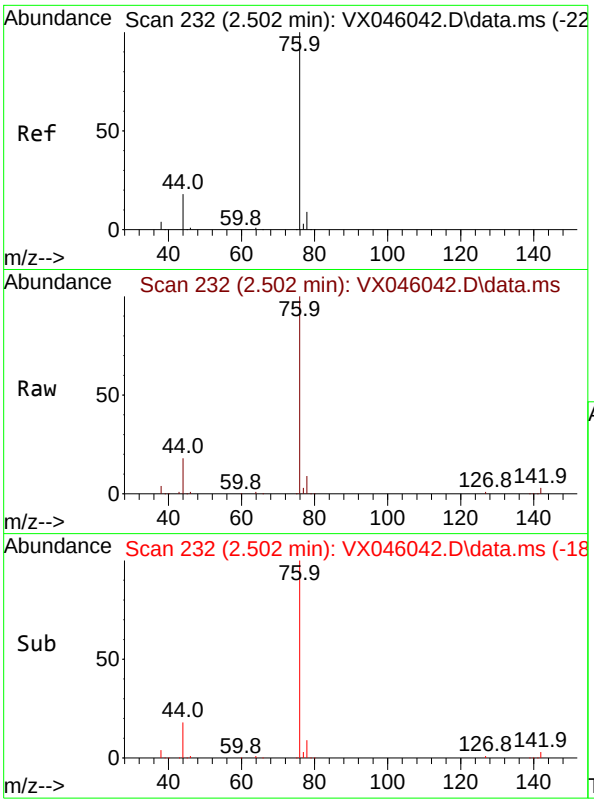


#16
Acetone
Concen: 177.910 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 175777

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8





#17
Carbon Disulfide
Concen: 37.223 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 76 Resp: 14128

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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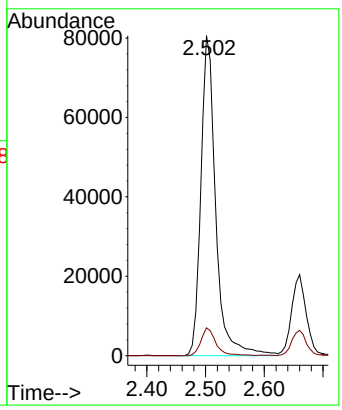
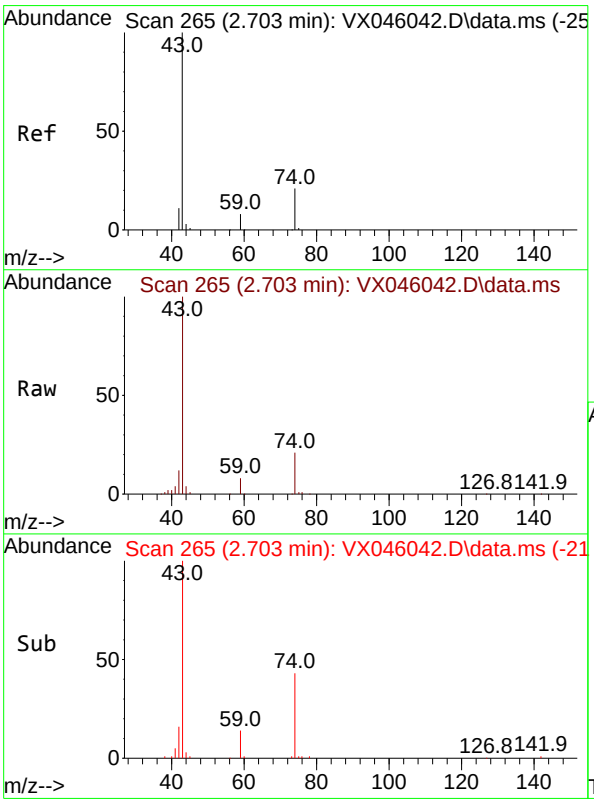
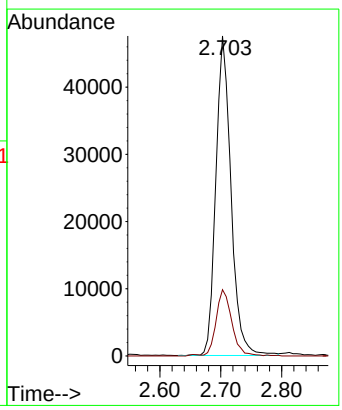


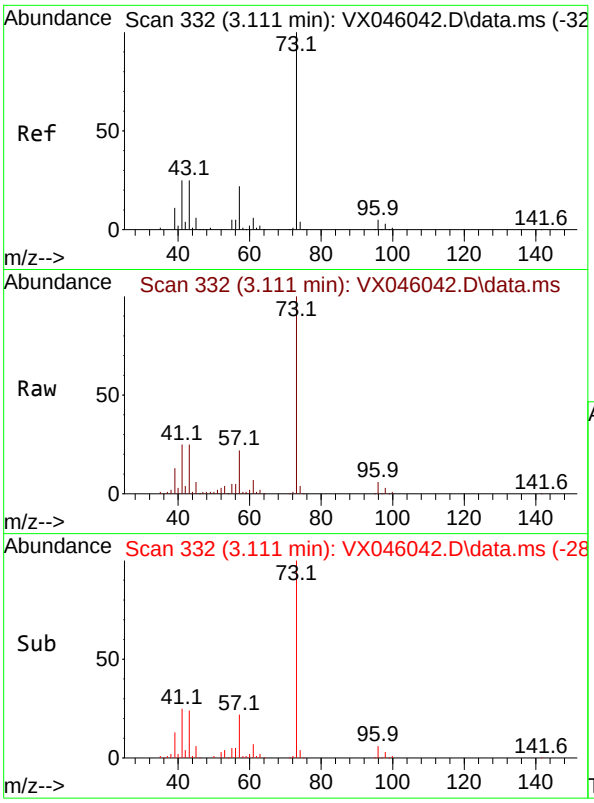


#18
Methyl Acetate
Concen: 34.915 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 82347

Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1

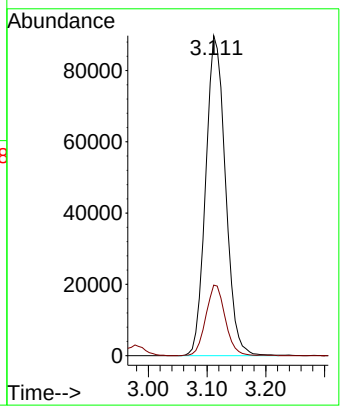




#19
Methyl tert-butyl Ether
Concen: 36.695 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 73 Resp: 20966

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
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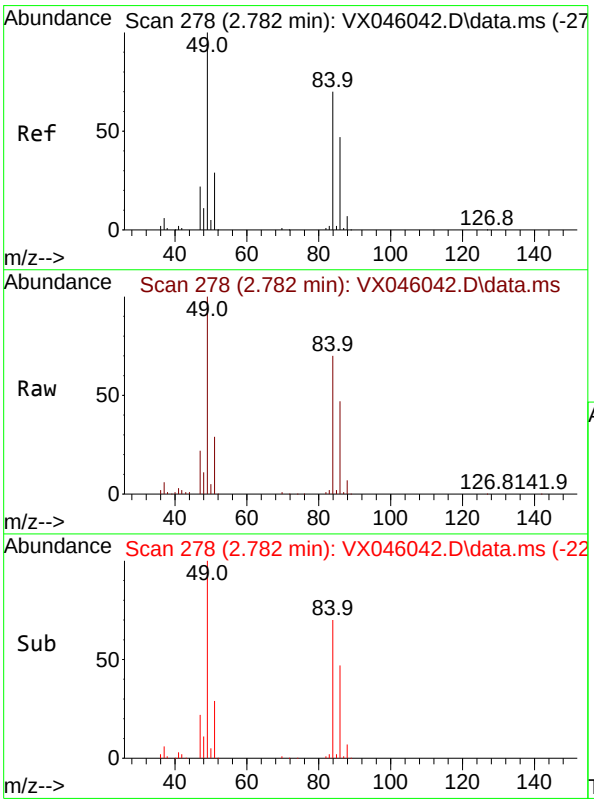
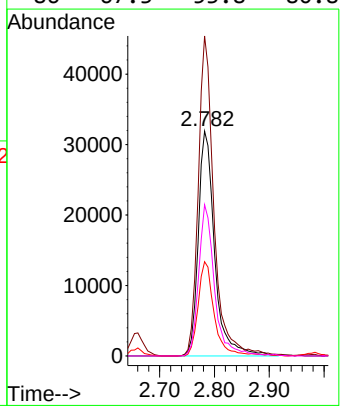
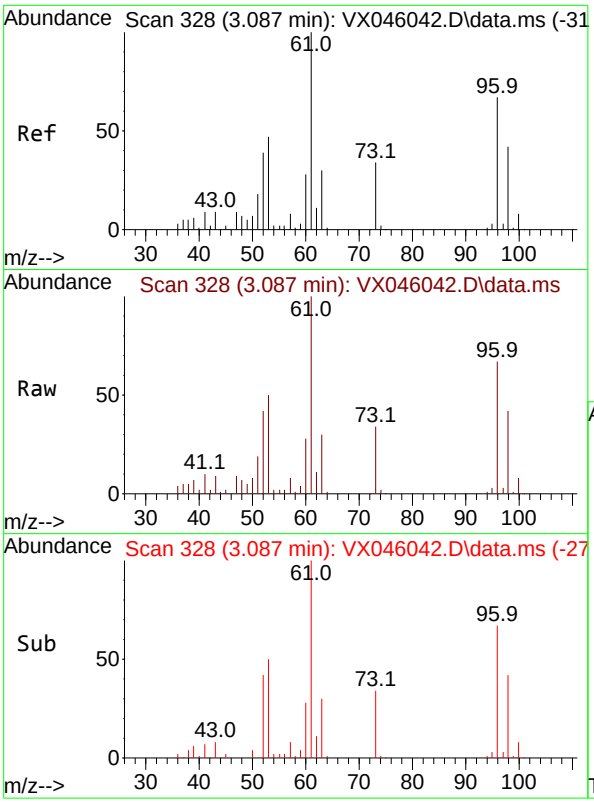


#20
Methylene Chloride
Concen: 33.182 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 84 Resp: 66412

Ion	Ratio	Lower	Upper
84	100		
49	142.4	113.9	170.9
51	41.9	33.5	50.3
86	67.3	53.8	80.8

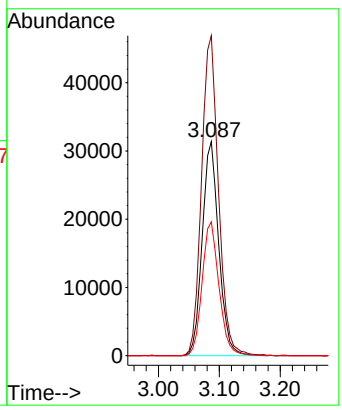




#21
trans-1,2-Dichloroethene
Concen: 35.421 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 96 Resp: 5923

Ion	Ratio	Lower	Upper
96	100		
61	149.4	119.5	179.3
98	62.5	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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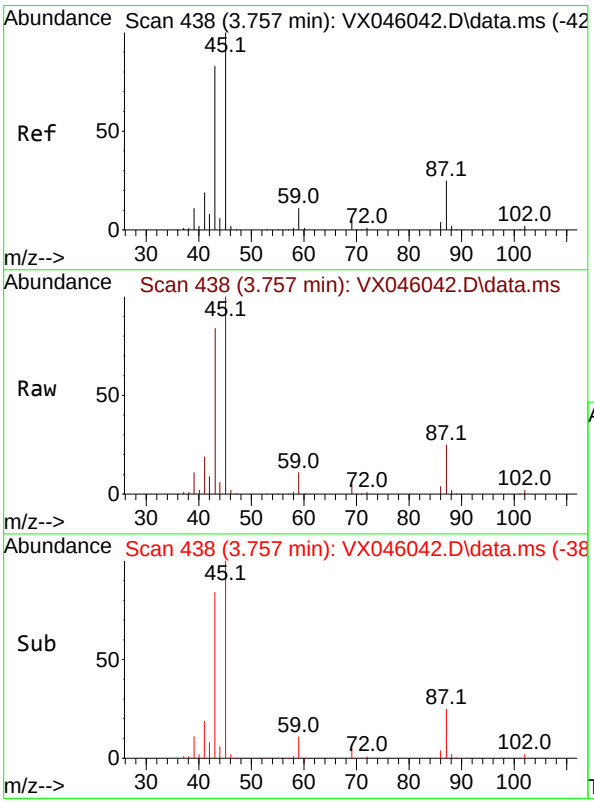
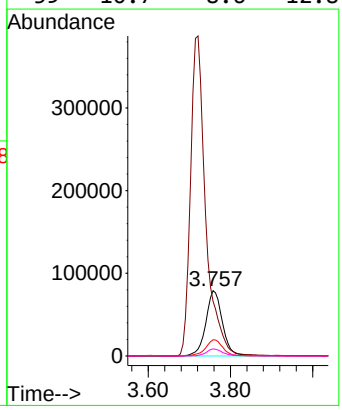
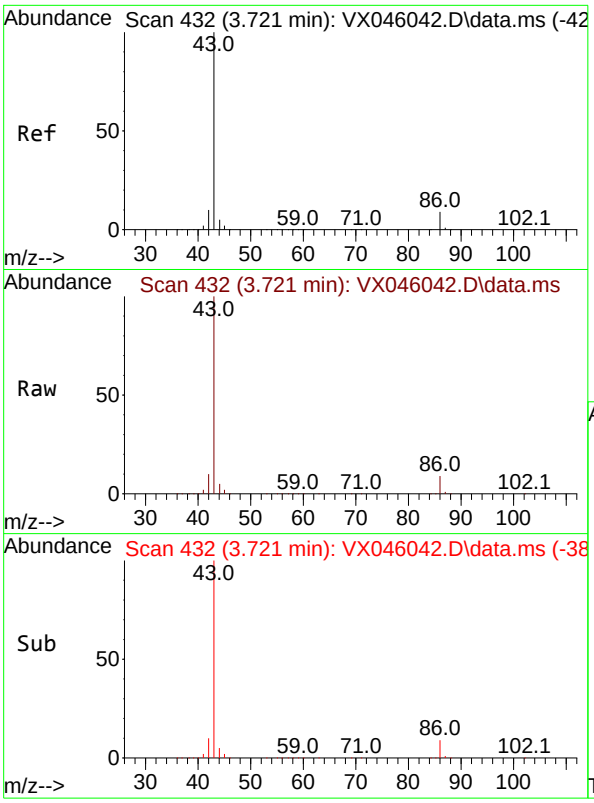


#22
Diisopropyl ether
Concen: 38.241 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 45 Resp: 221172

Ion	Ratio	Lower	Upper
45	100		
43	83.3	66.6	100.0
87	24.7	19.8	29.6
59	10.7	8.6	12.8

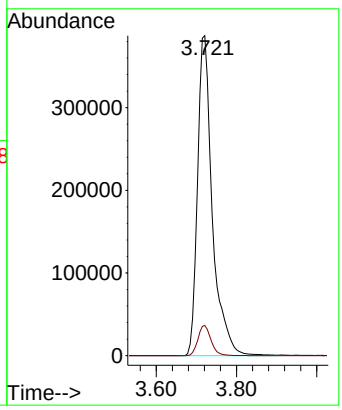




#23
Vinyl Acetate
Concen: 194.528 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 99423

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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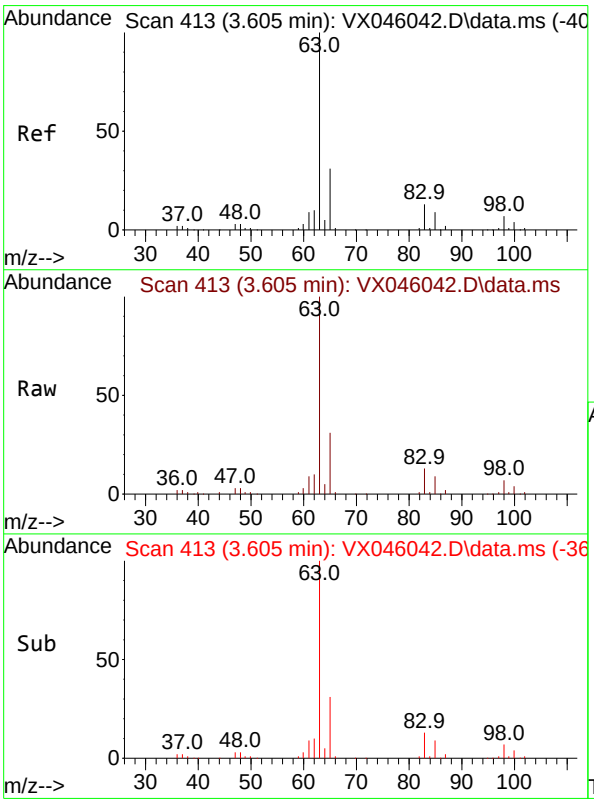
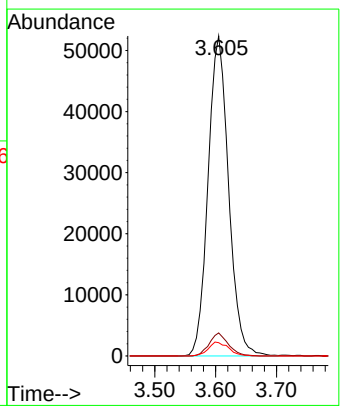
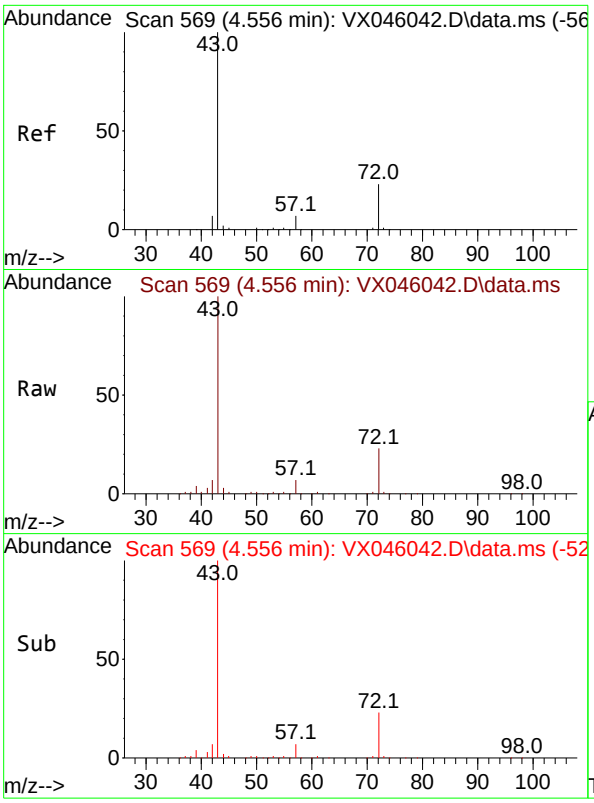


#24
1,1-Dichloroethane
Concen: 36.067 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 63 Resp: 122601

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.8
100	4.2	2.1	6.3

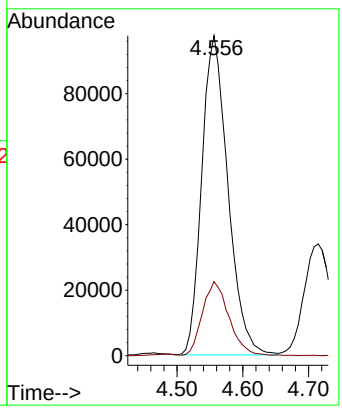




#25
2-Butanone
Concen: 188.783 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 26922

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
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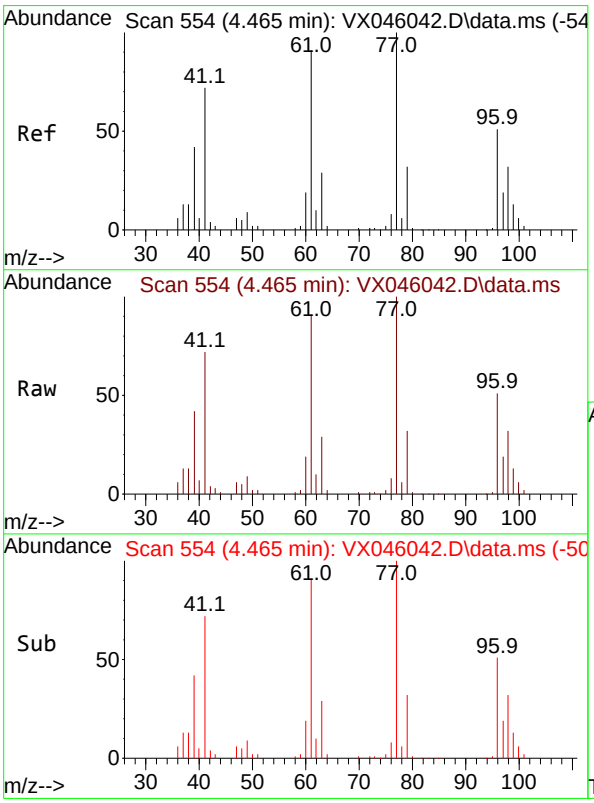
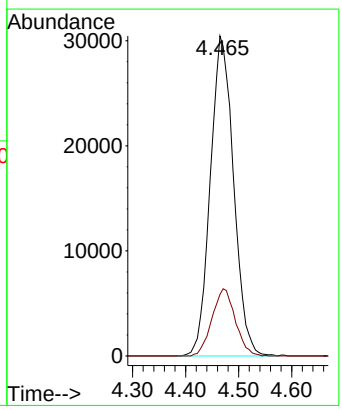
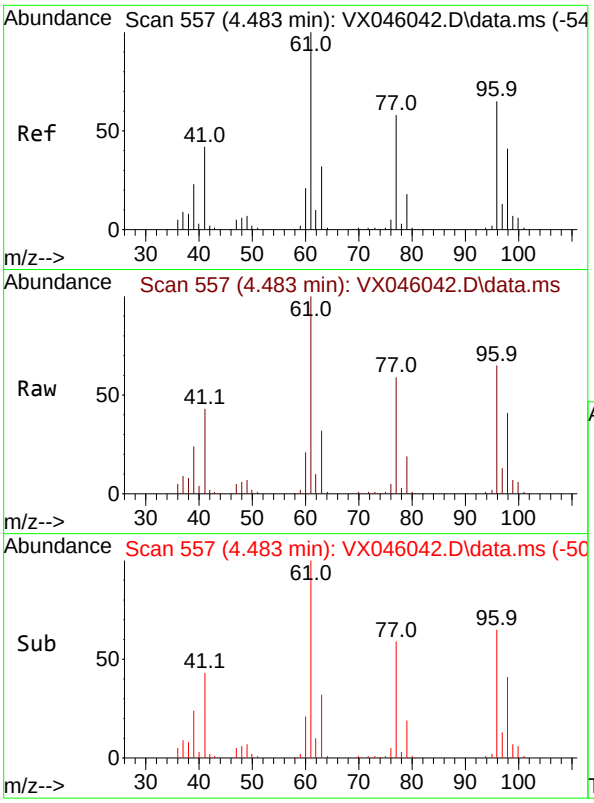


#26
2,2-Dichloropropane
Concen: 36.059 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 77 Resp: 92857

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.5	31.5

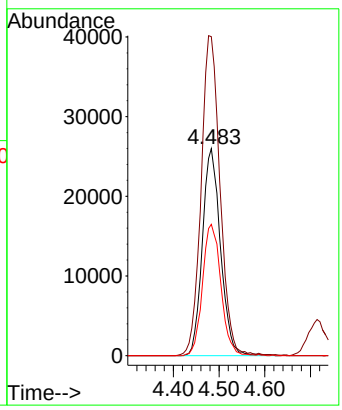




#27
cis-1,2-Dichloroethene
Concen: 35.466 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 96 Resp: 7151

Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	322.8
98	64.5	0.0	129.0



Instrument :
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ClientSampleId :
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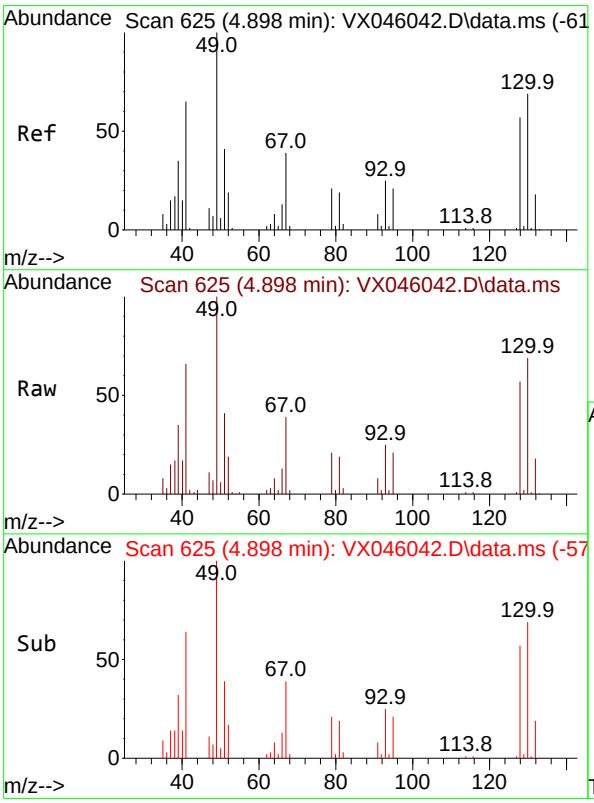
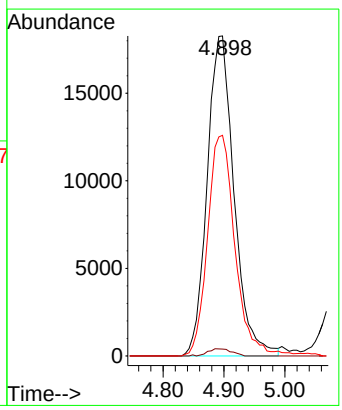
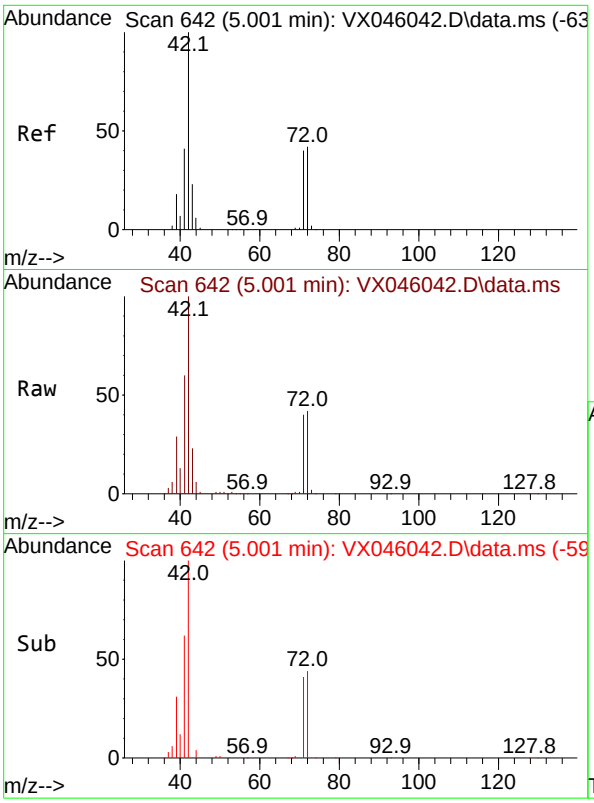


#28
Bromochloromethane
Concen: 31.031 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 49 Resp: 56091

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	70.2	56.2	84.2

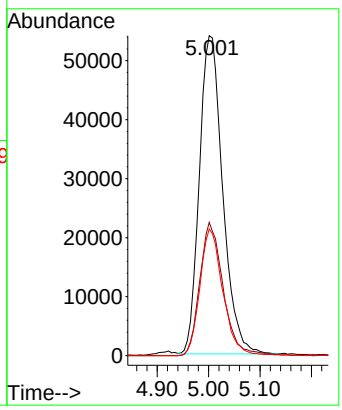




#29
Tetrahydrofuran
Concen: 183.679 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 42 Resp: 17012

Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	39.3	31.4	47.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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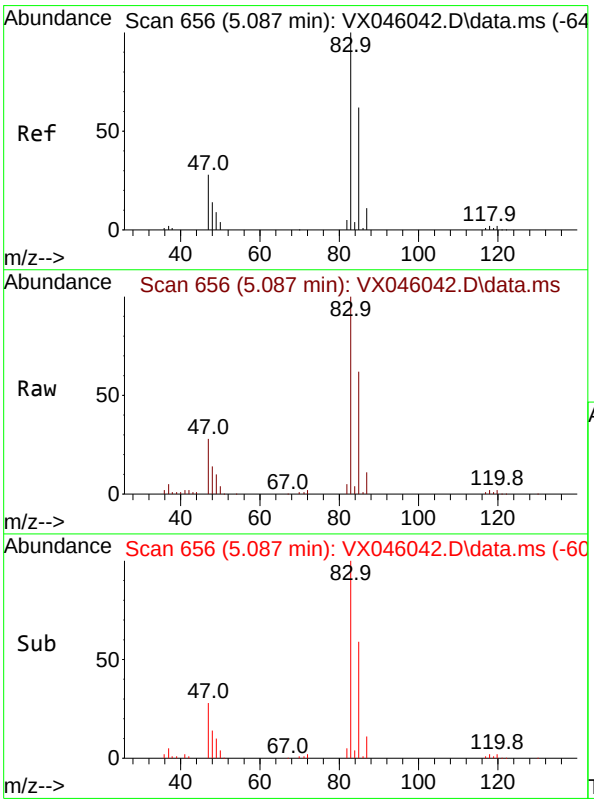
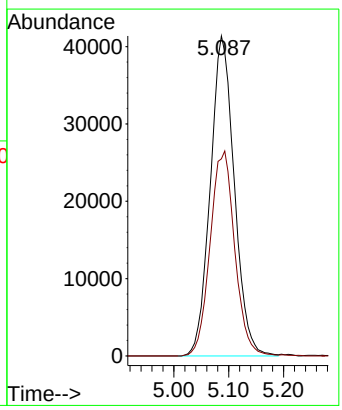
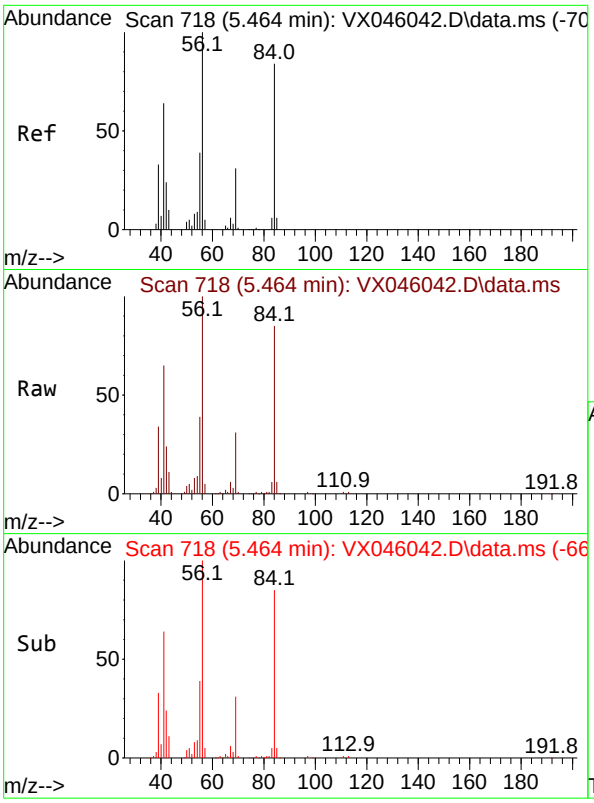


#30
Chloroform
Concen: 35.626 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 125850

Ion	Ratio	Lower	Upper
83	100		
85	61.6	49.3	73.9

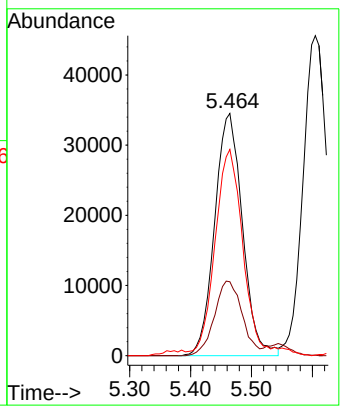




#31
Cyclohexane
Concen: 38.205 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 56 Resp: 10945

Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	83.6	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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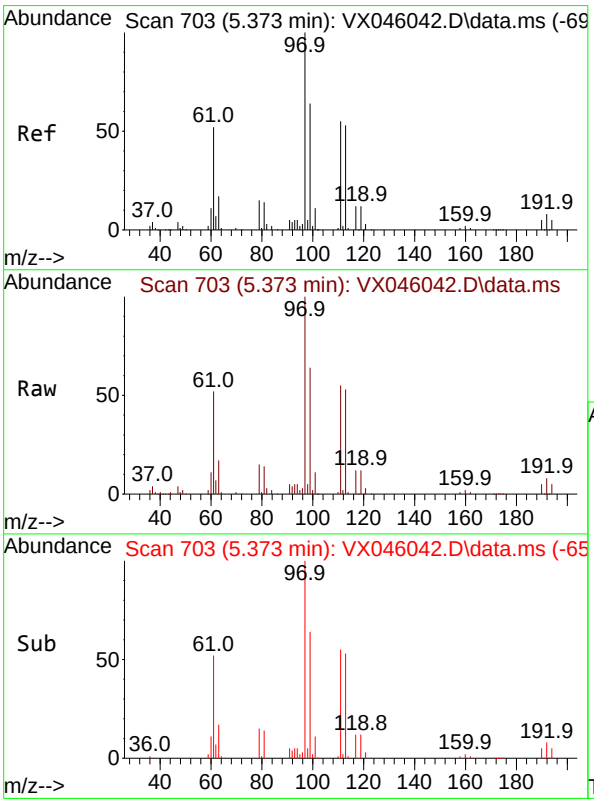
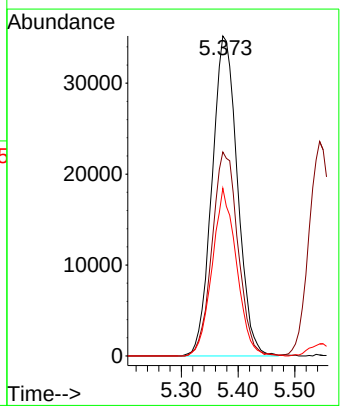
Supervised By :Mahesh Dadoda 05/06/2025

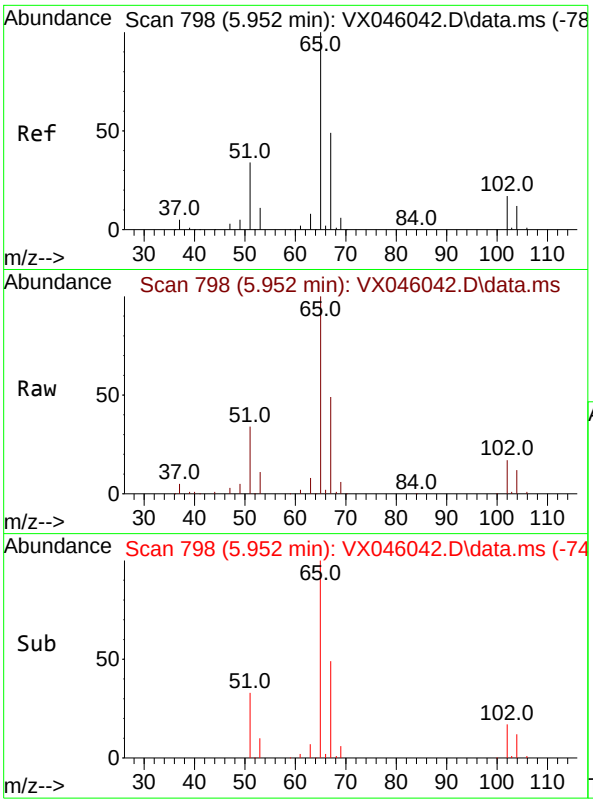


#32
1,1,1-Trichloroethane
Concen: 36.034 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 97 Resp: 109781

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	50.1	40.1	60.1

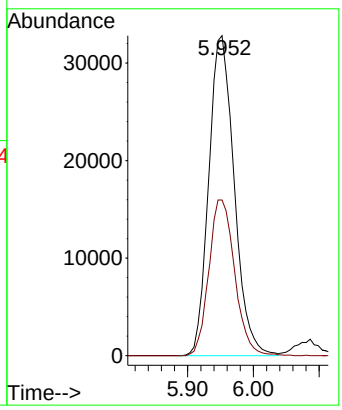




#33
1,2-Dichloroethane-d4
Concen: 30.601 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 65 Resp: 8837

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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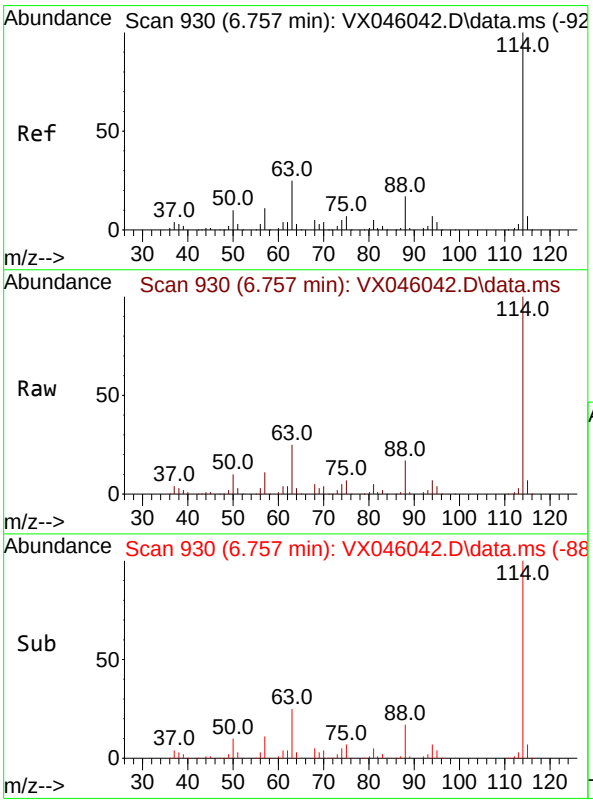
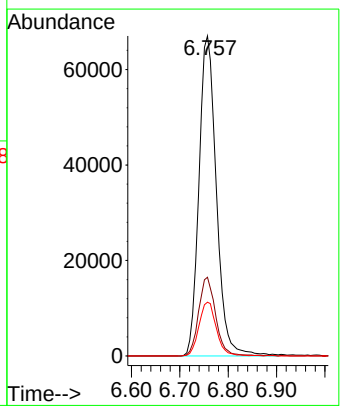
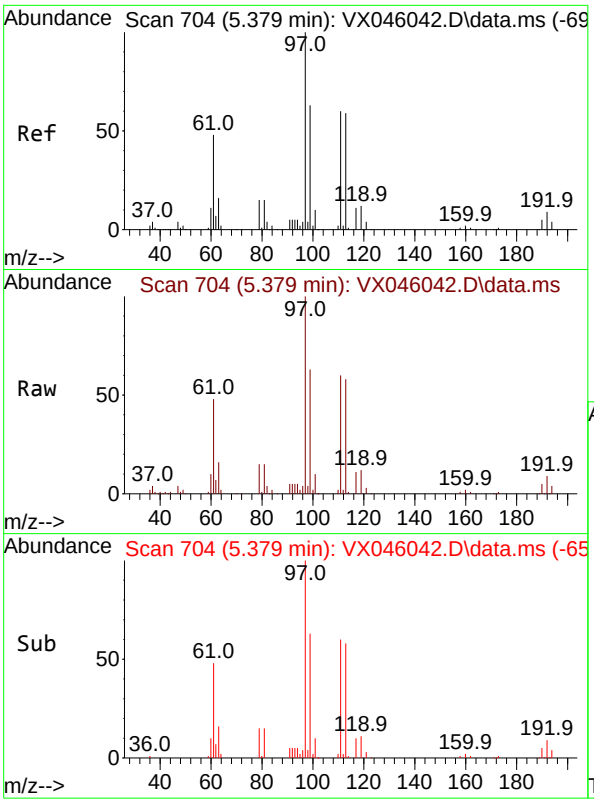


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:114 Resp: 167947

Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	49.2
88	16.8	0.0	33.6

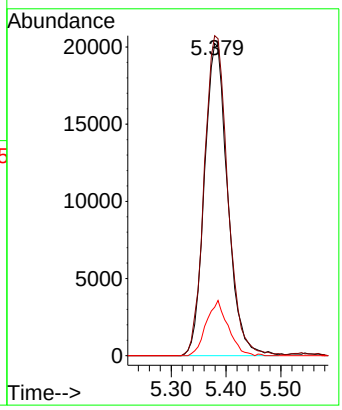




#35
Dibromofluoromethane
Concen: 31.633 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:113 Resp: 5955

Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.1	124.7
192	16.6	13.3	19.9



Instrument :
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ClientSampleId :
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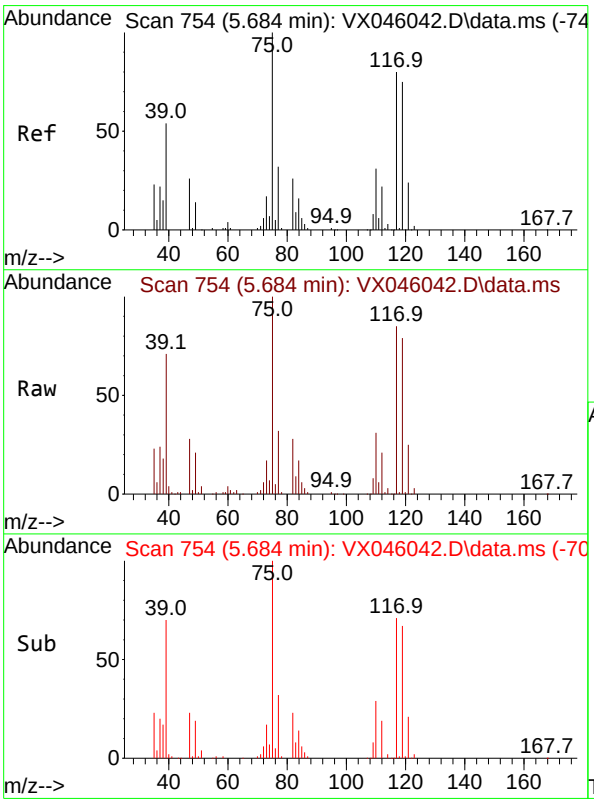
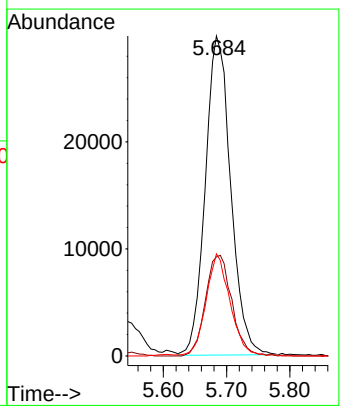
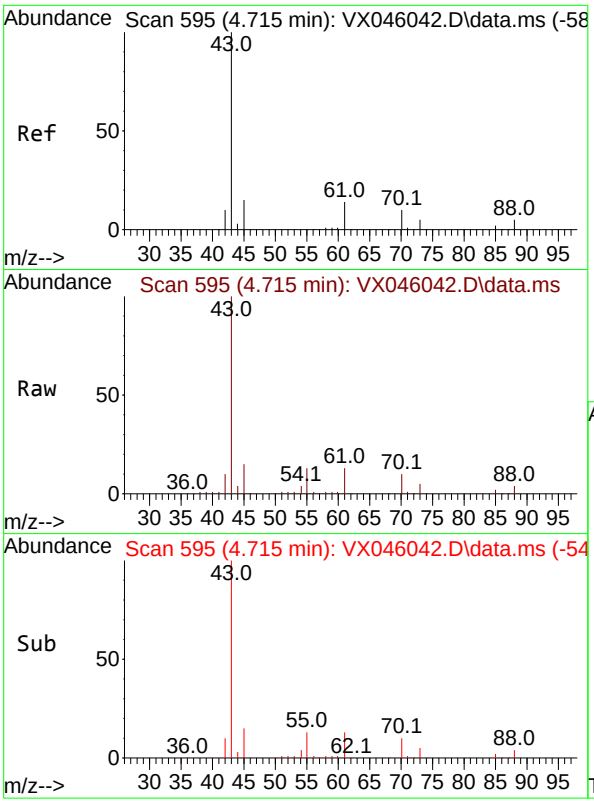


#36
1,1-Dichloropropene
Concen: 38.073 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 83215

Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.3	48.9
77	30.4	24.3	36.5

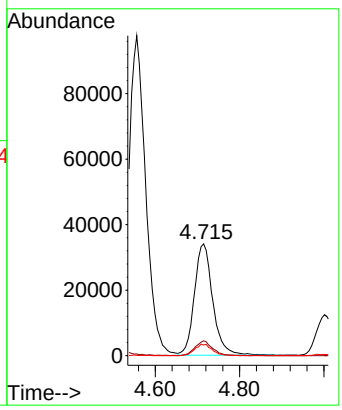




#37
Ethyl Acetate
Concen: 37.394 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 10253

Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.3	15.5
70	9.9	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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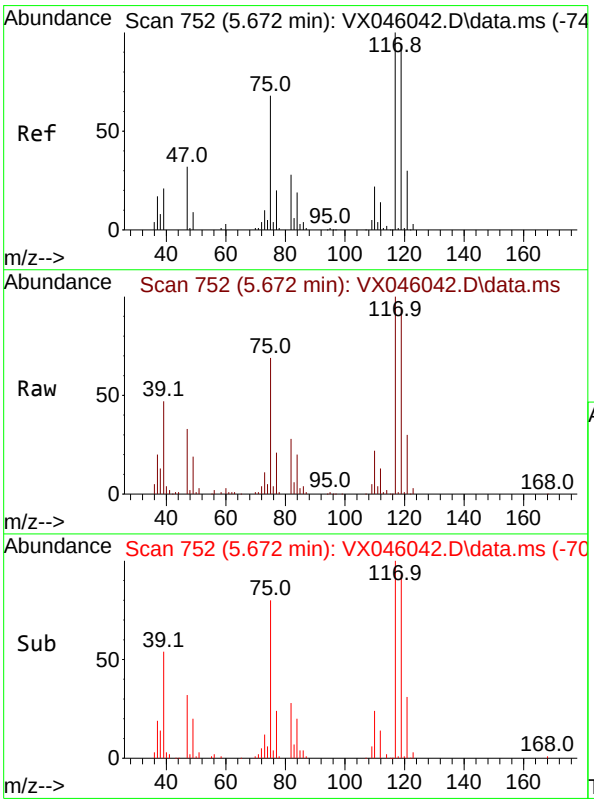
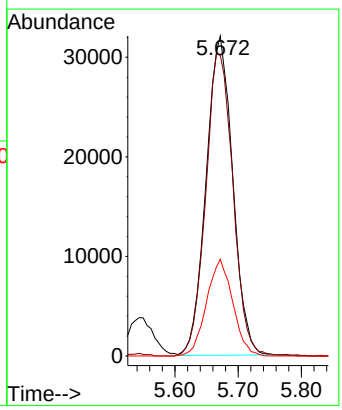
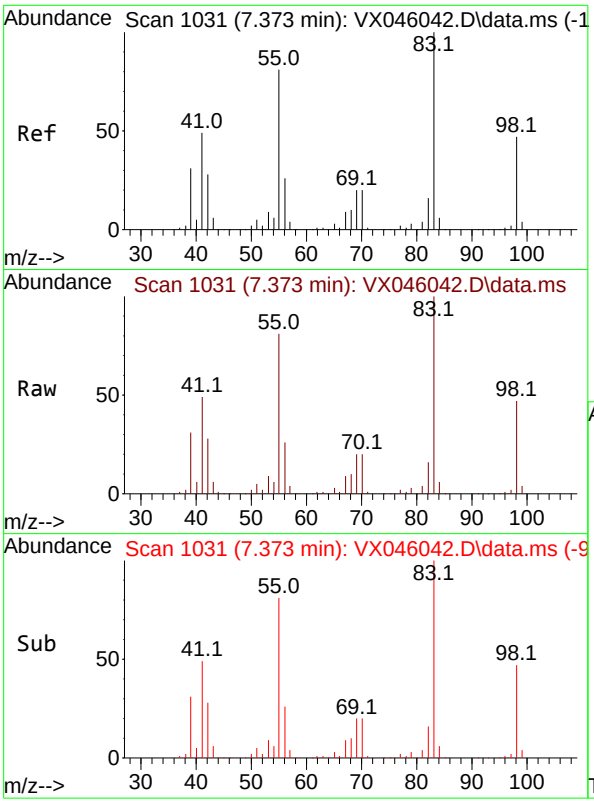


#38
Carbon Tetrachloride
Concen: 37.320 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 93712

Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.2	112.8
121	30.3	24.2	36.4

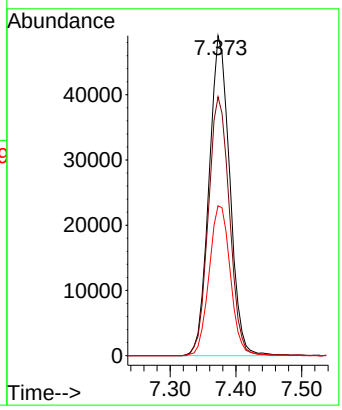




#39
Methylcyclohexane
Concen: 39.307 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 10765

Ion	Ratio	Lower	Upper
83	100		
55	80.9	64.7	97.1
98	46.8	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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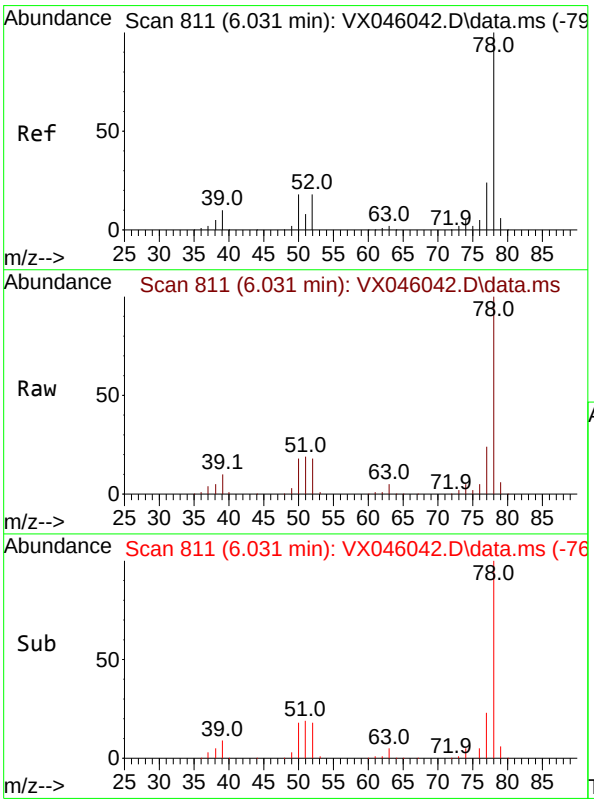
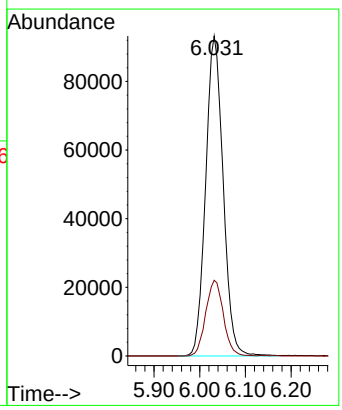
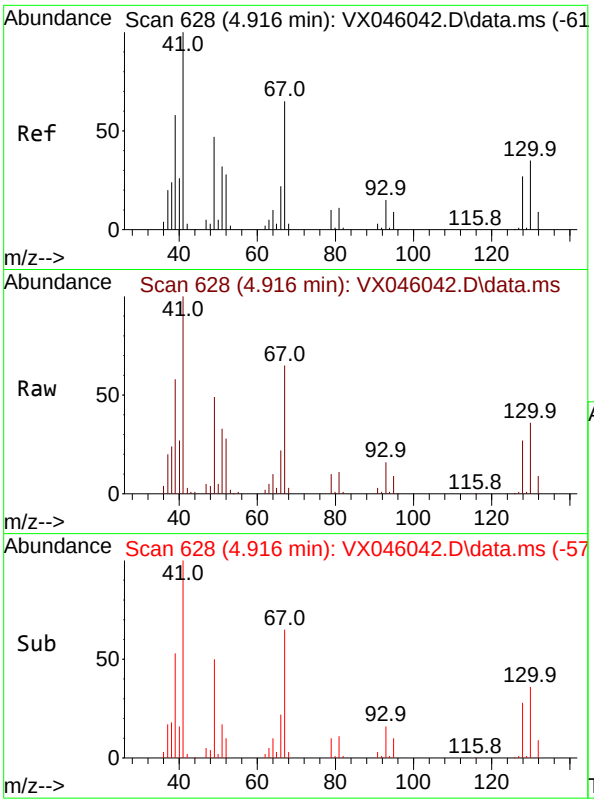


#40
Benzene
Concen: 36.530 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 78 Resp: 247476

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4

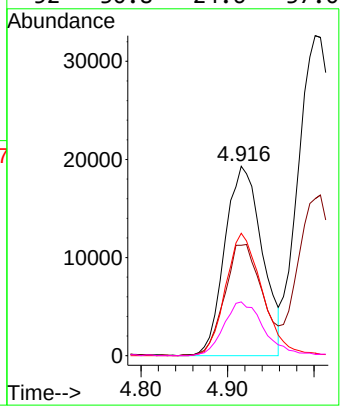




#41
Methacrylonitrile
Concen: 38.123 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 41 Resp: 5808

Ion	Ratio	Lower	Upper
41	100		
39	59.0	47.2	70.8
67	63.4	50.7	76.1
52	30.8	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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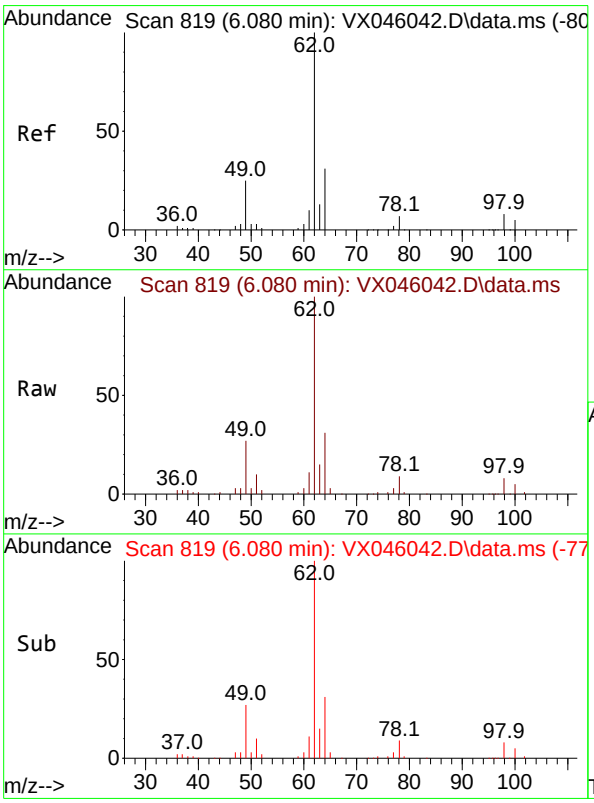
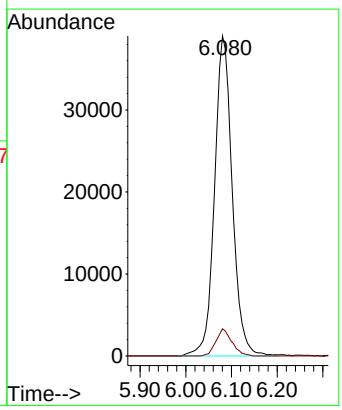
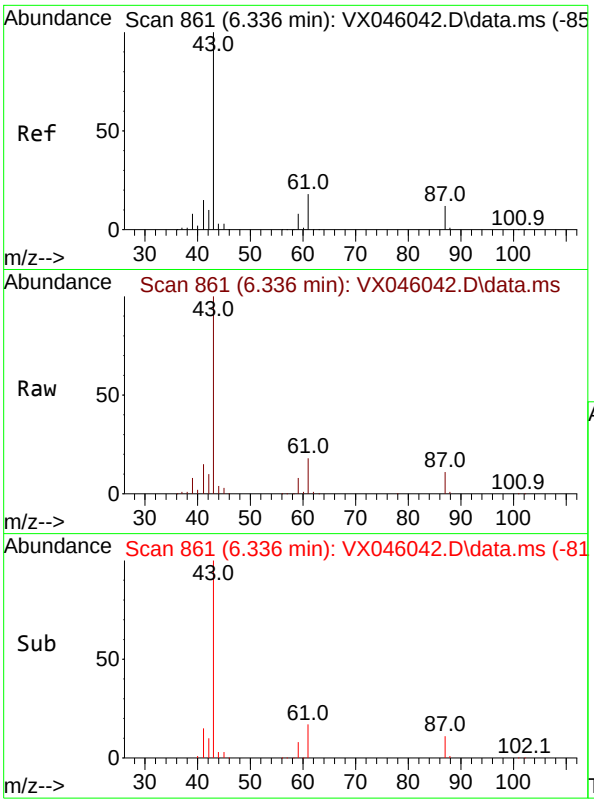


#42
1,2-Dichloroethane
Concen: 37.605 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 105332

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2

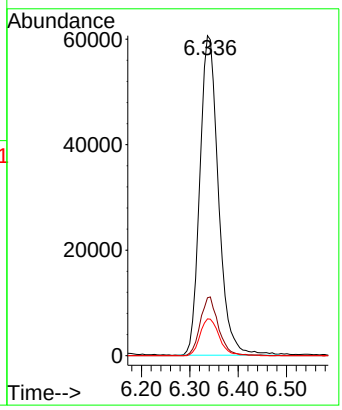




#43
Isopropyl Acetate
Concen: 38.598 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 16178

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.3	21.5
87	11.9	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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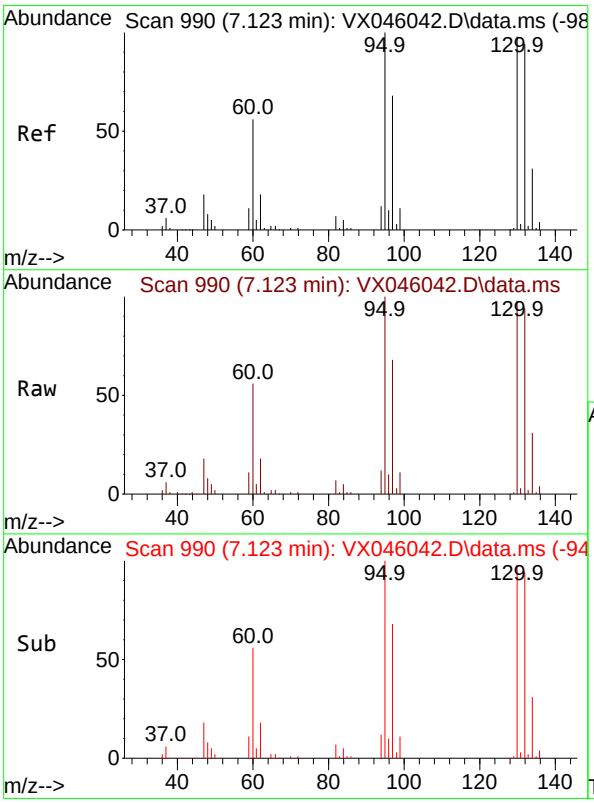
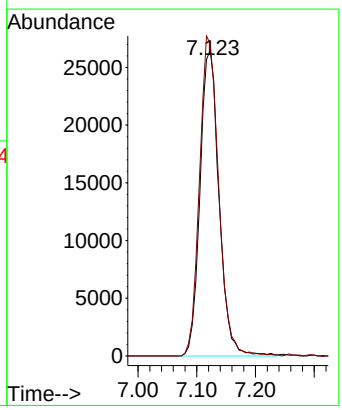
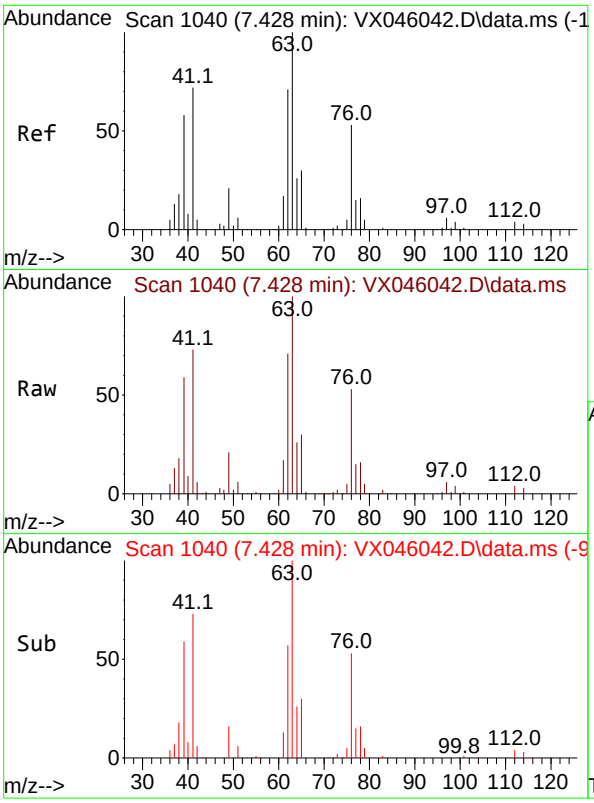


#44
Trichloroethene
Concen: 37.230 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:130 Resp: 59623

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	204.2

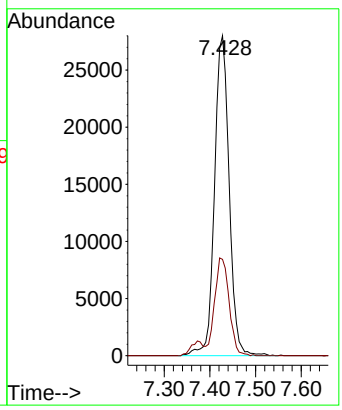




#45
1,2-Dichloropropane
Concen: 37.064 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 63 Resp: 6238

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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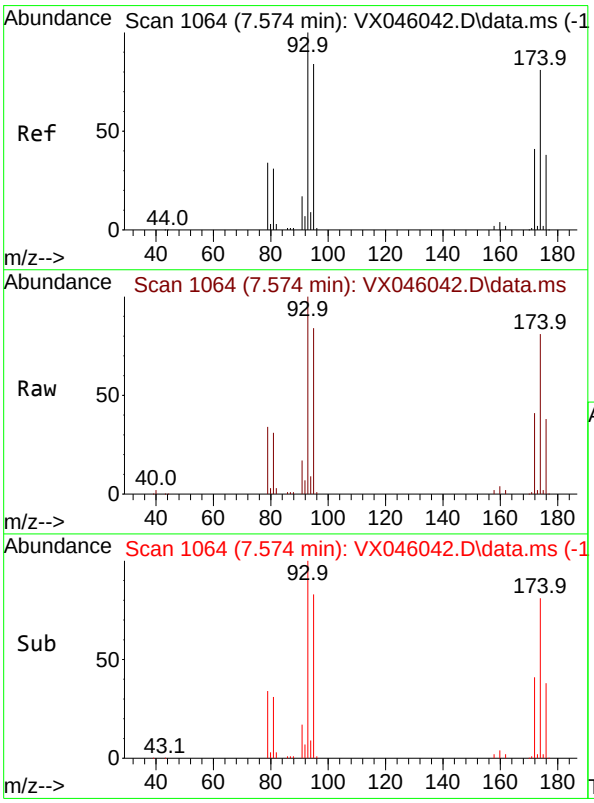
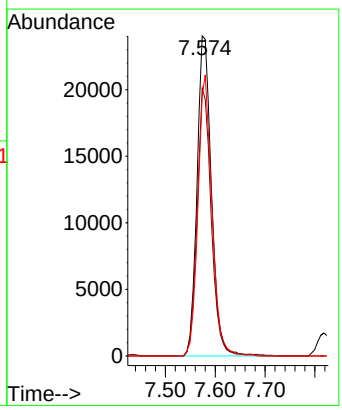
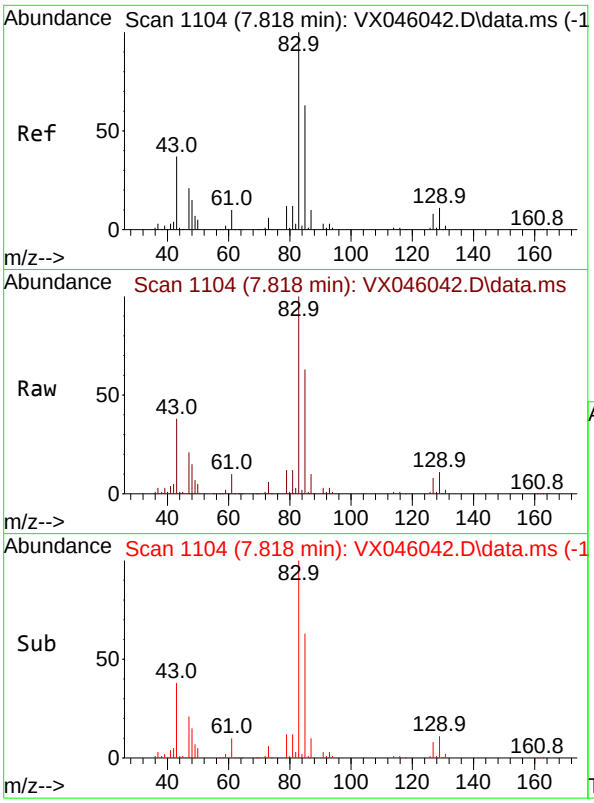


#46
Dibromomethane
Concen: 36.326 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 93 Resp: 48201

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.6	98.4
174	85.2	68.2	102.2

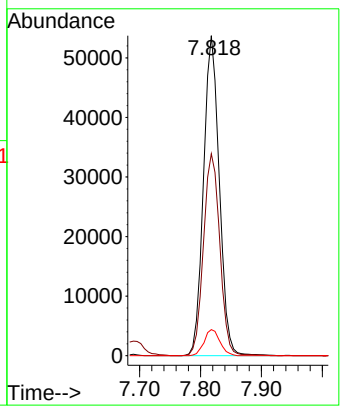




#47
Bromodichloromethane
Concen: 37.685 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 9691

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	8.1	6.5	9.7



Instrument :
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ClientSampleId :
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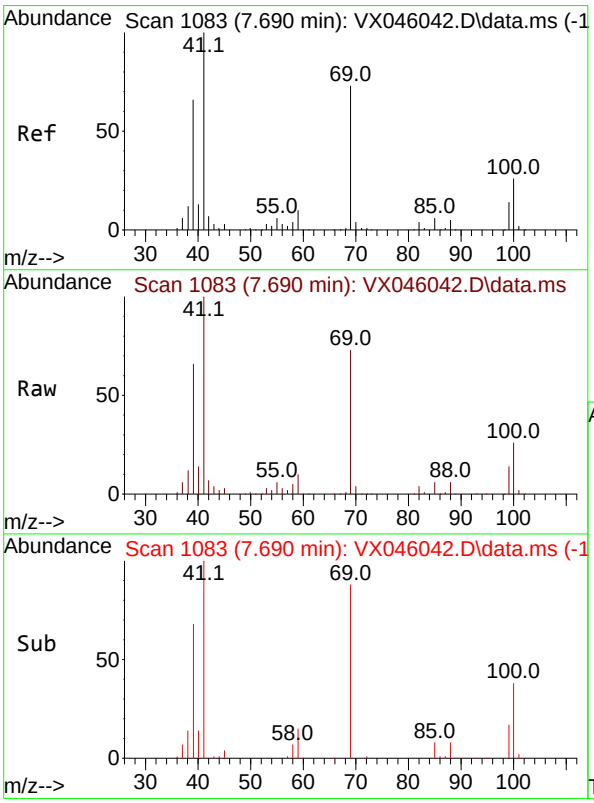
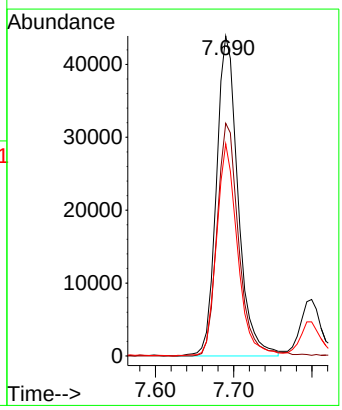
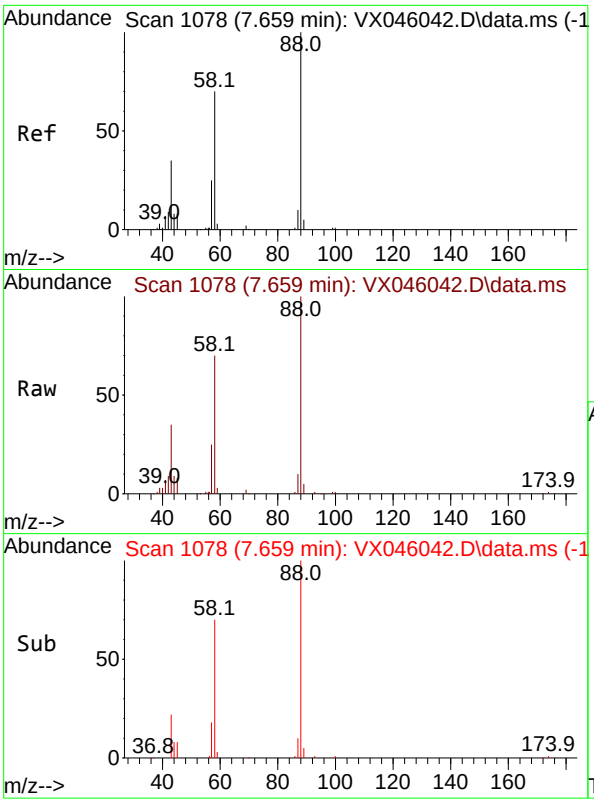


#48
Methyl methacrylate
Concen: 39.157 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 41 Resp: 84277

Ion	Ratio	Lower	Upper
41	100		
69	73.1	58.5	87.7
39	64.6	51.7	77.5

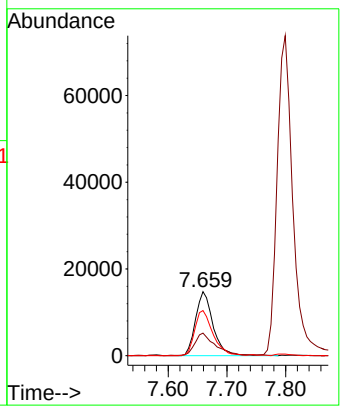




#49
1,4-Dioxane
Concen: 713.477 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 88 Resp: 3052

Ion	Ratio	Lower	Upper
88	100		
43	41.8	33.4	50.2
58	73.3	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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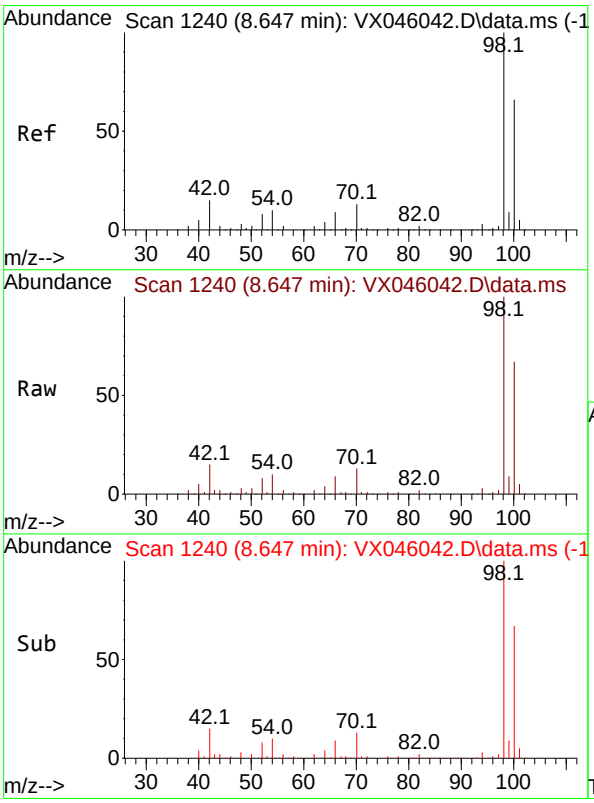
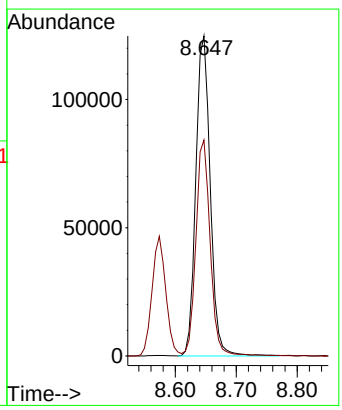
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

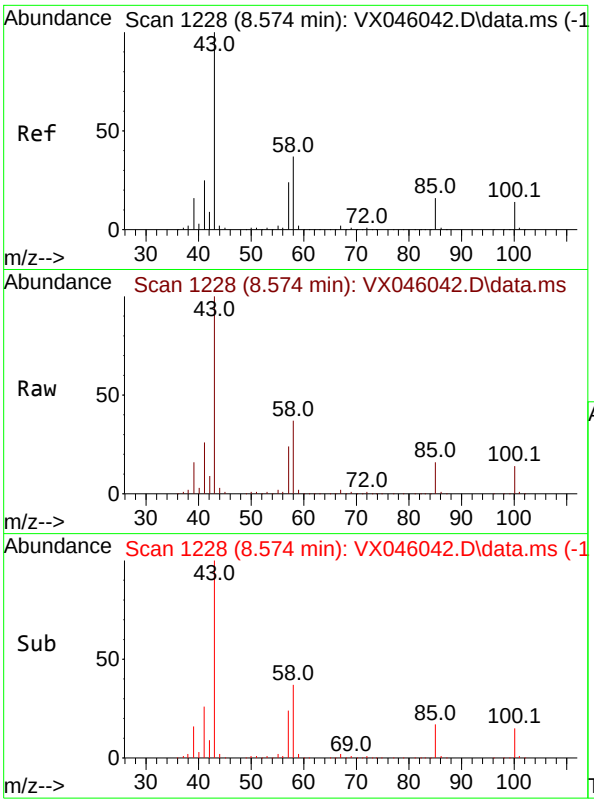


#50
Toluene-d8
Concen: 32.395 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 98 Resp: 205479

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.5	80.3

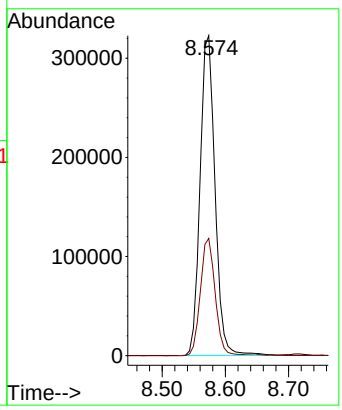




#51
4-Methyl-2-Pentanone
Concen: 193.653 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 53238

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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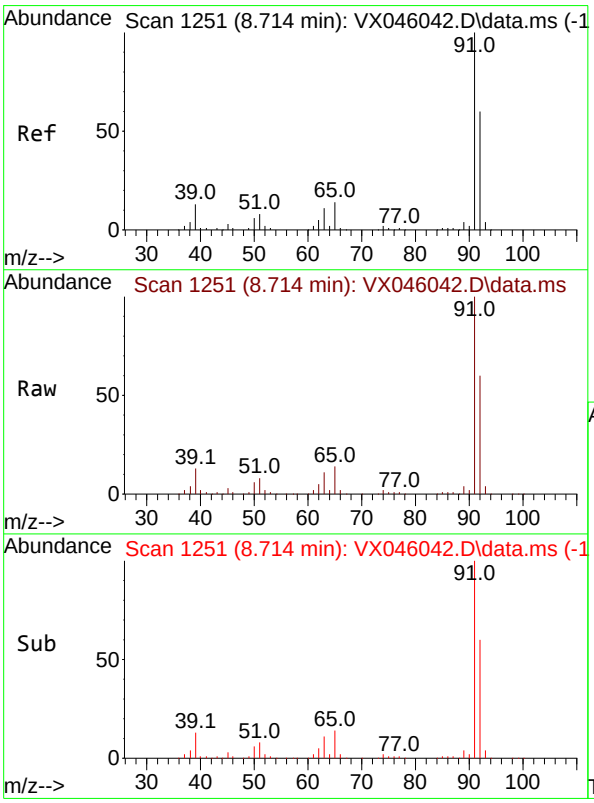
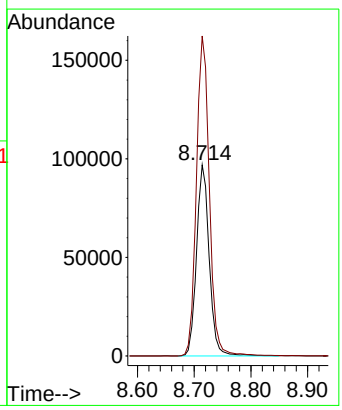
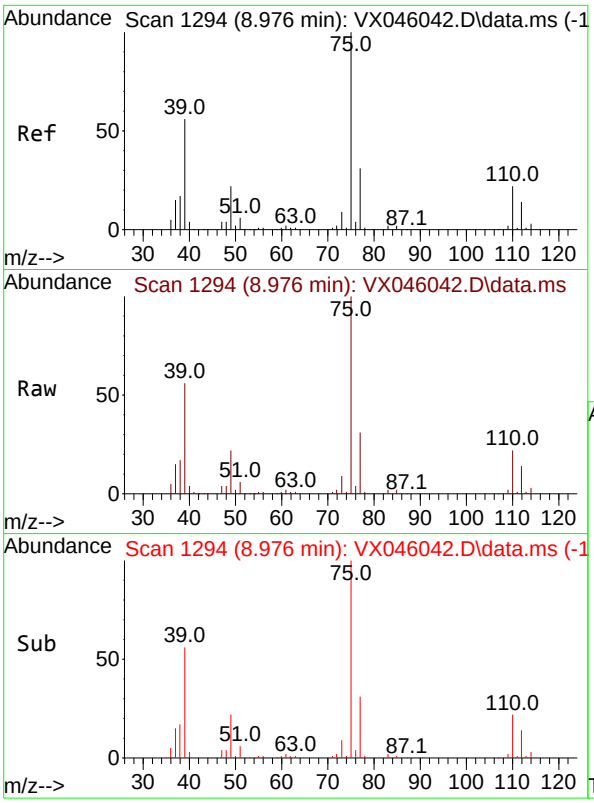


#52
Toluene
Concen: 37.530 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 92 Resp: 150757

Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.6	205.0

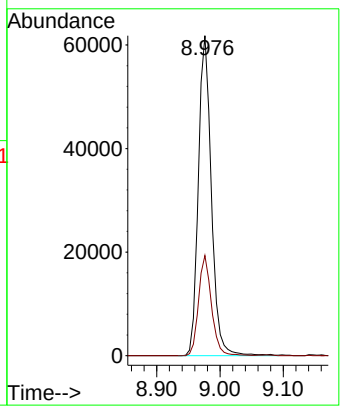




#53
t-1,3-Dichloropropene
Concen: 41.056 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 8865

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
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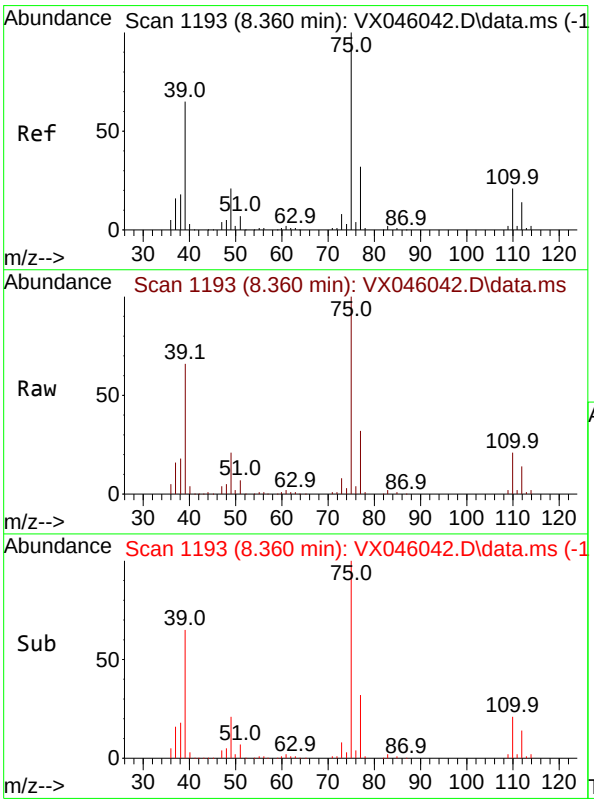
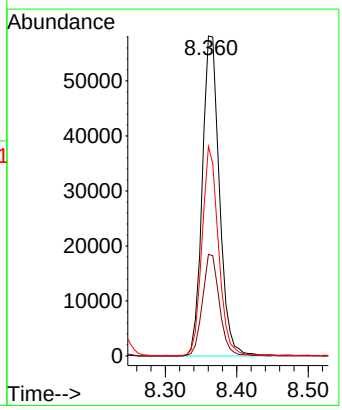
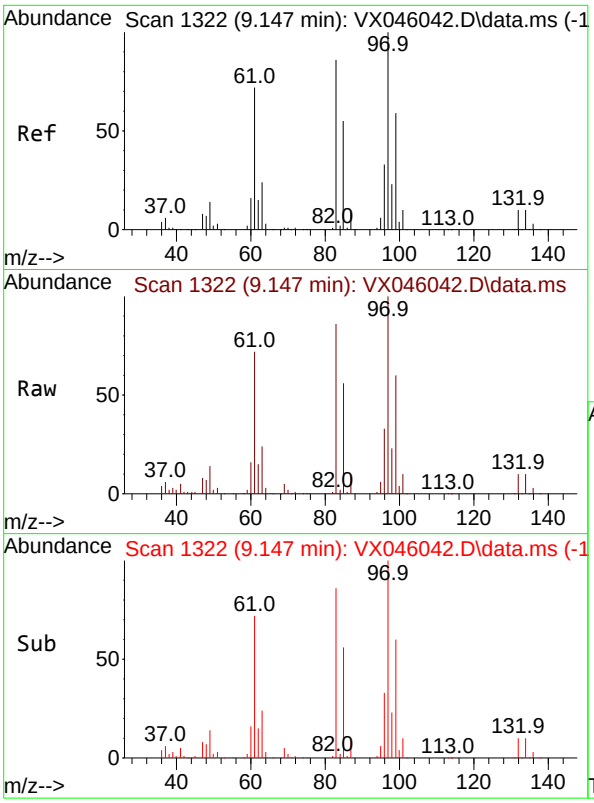


#54
cis-1,3-Dichloropropene
Concen: 38.521 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 97031

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	65.3	52.2	78.4

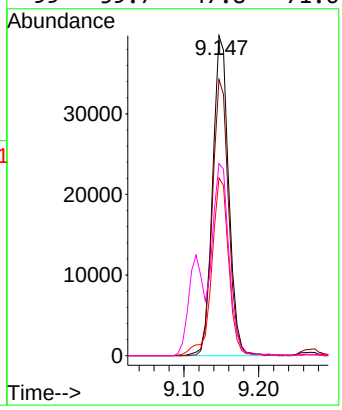




#55
1,1,2-Trichloroethane
Concen: 36.648 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 97 Resp: 5949

Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.0	103.6
85	55.4	44.3	66.5
99	59.7	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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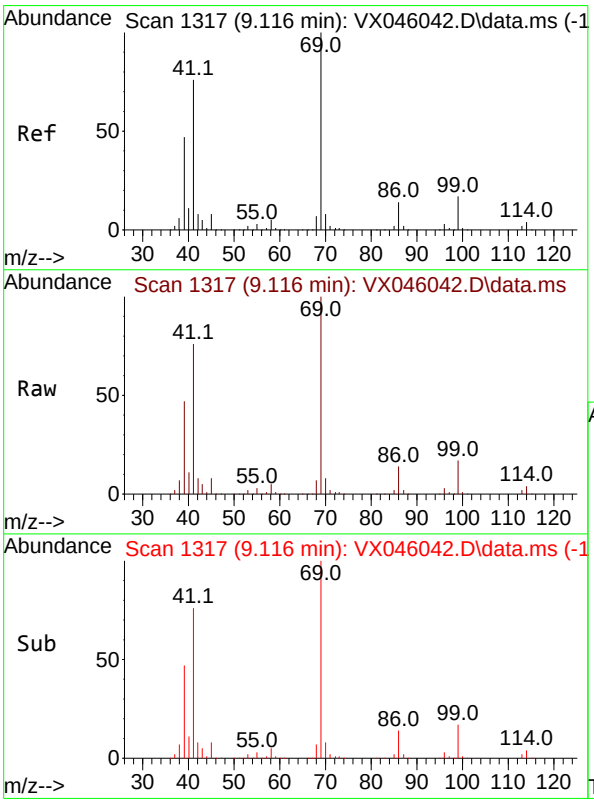
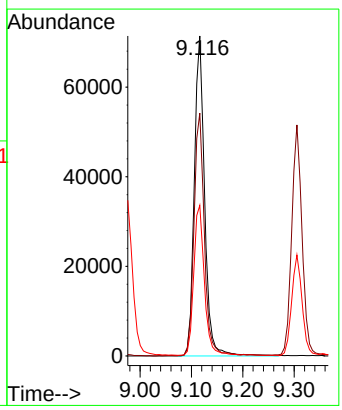
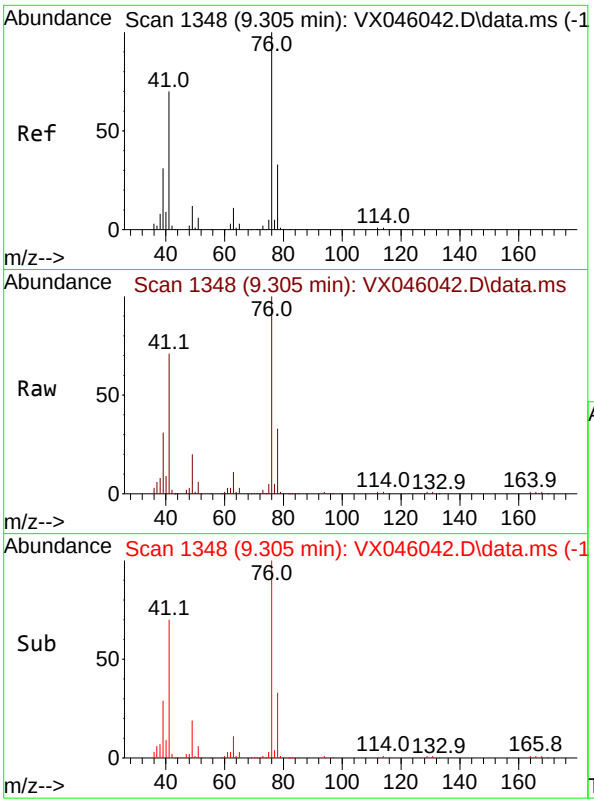


#56
Ethyl methacrylate
Concen: 39.726 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 69 Resp: 99947

Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.8	91.2
39	48.8	39.0	58.6

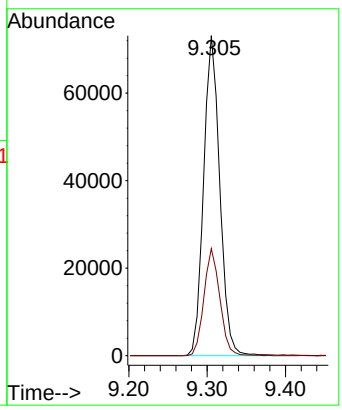




#57
1,3-Dichloropropane
Concen: 36.347 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 76 Resp: 10460

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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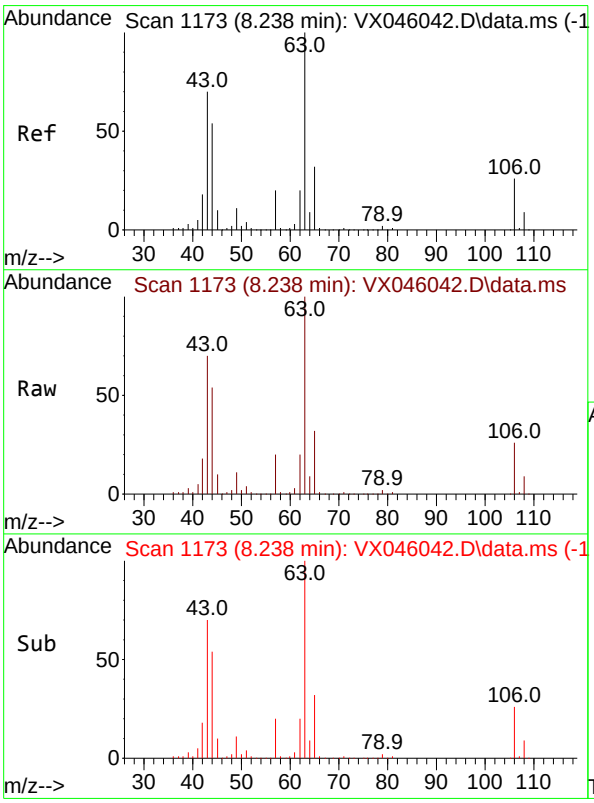
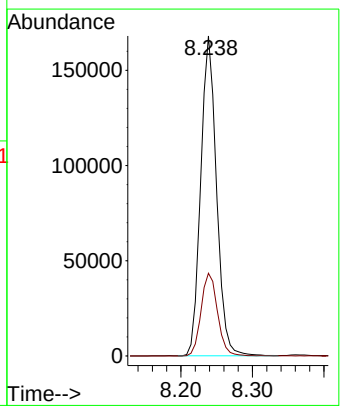
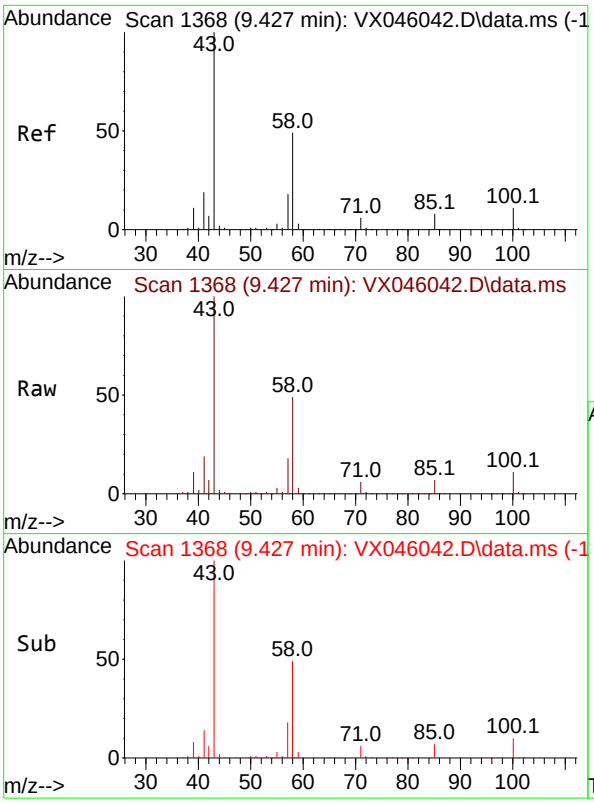


#58
2-Chloroethyl Vinyl ether
Concen: 227.902 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 63 Resp: 257678

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3





#59
2-Hexanone
Concen: 190.168 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 39678

Ion	Ratio	Lower	Upper
43	100		
58	49.7	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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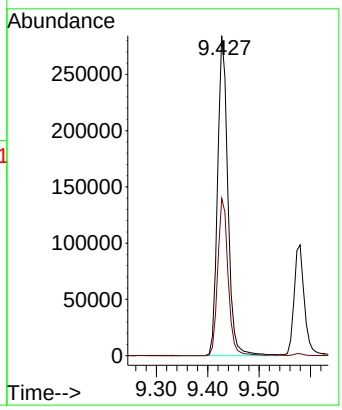
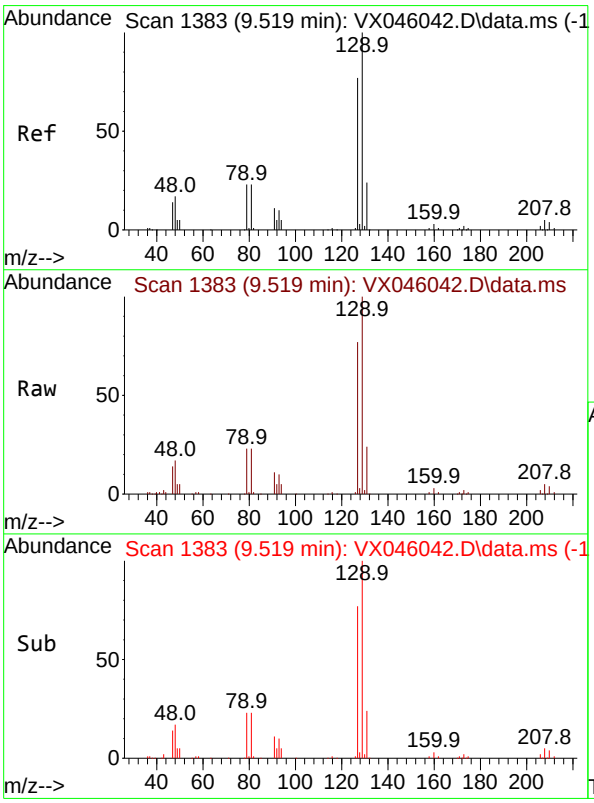
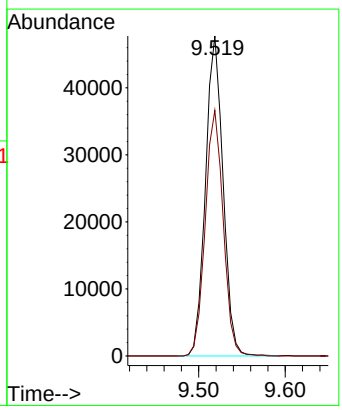


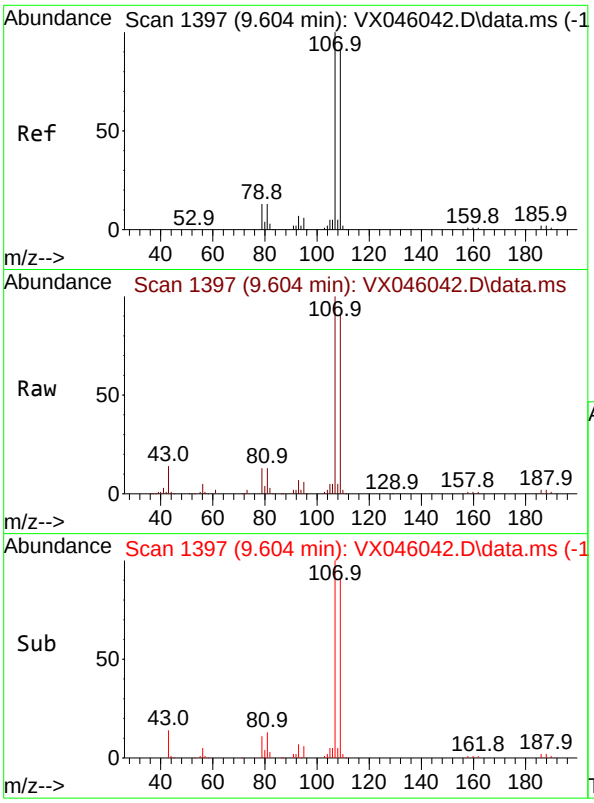


#60
Dibromochloromethane
Concen: 38.027 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:129 Resp: 67198

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.8

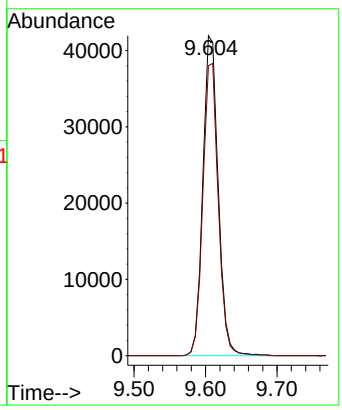




#61
1,2-Dibromoethane
Concen: 37.567 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:107 Resp: 6263

Ion	Ratio	Lower	Upper
107	100		
109	91.6	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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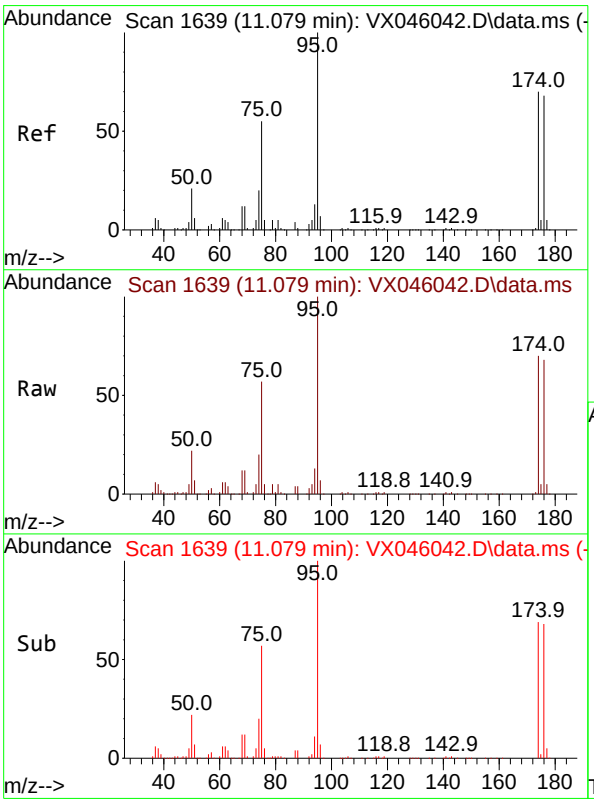
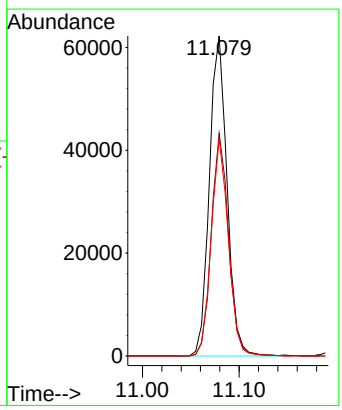
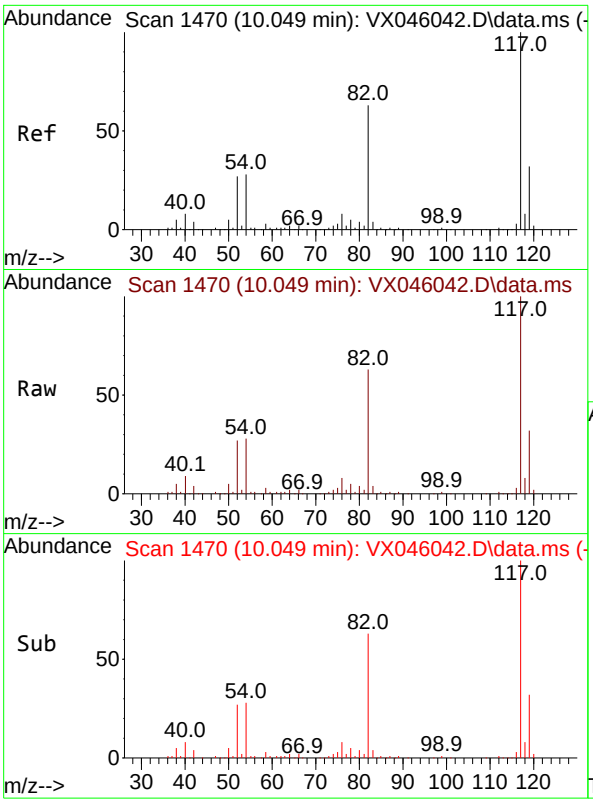


#62
4-Bromofluorobenzene
Concen: 34.229 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 95 Resp: 79012

Ion	Ratio	Lower	Upper
95	100		
174	67.9	0.0	135.8
176	65.7	0.0	131.4

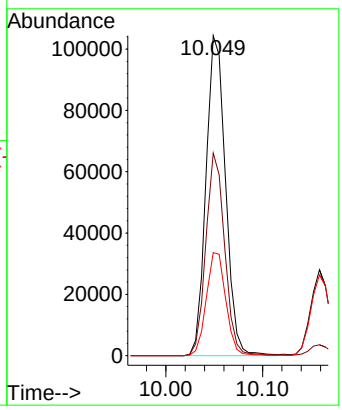




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 14625

Ion	Ratio	Lower	Upper
117	100		
82	63.3	50.6	76.0
119	32.2	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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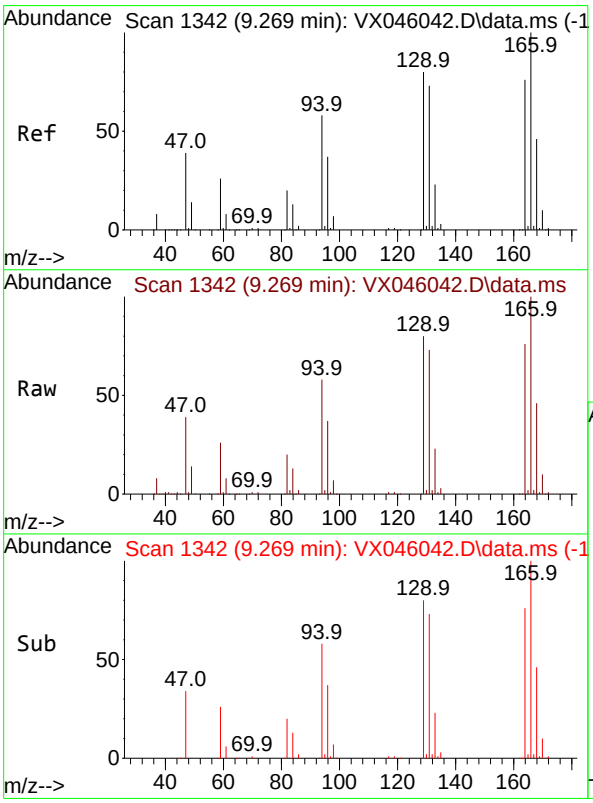
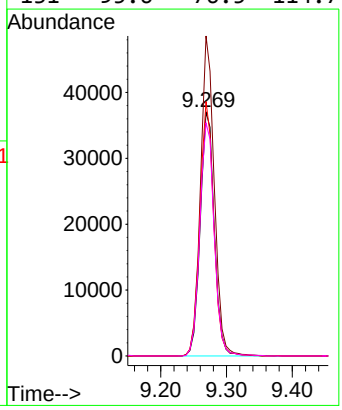
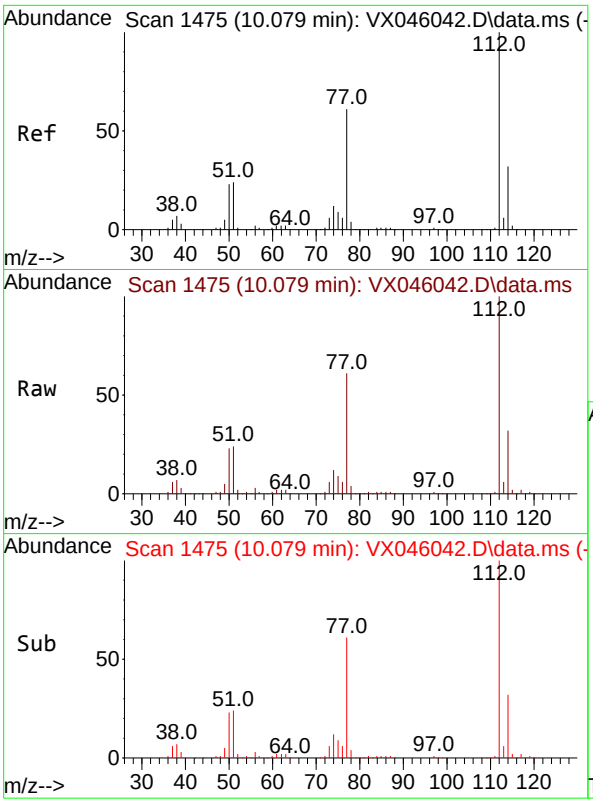


#64
Tetrachloroethene
Concen: 36.726 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:164 Resp: 54853

Ion	Ratio	Lower	Upper
164	100		
166	131.3	105.0	157.6
129	104.4	83.5	125.3
131	95.6	76.5	114.7

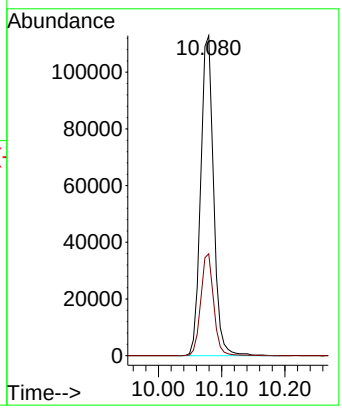




#65
Chlorobenzene
Concen: 35.686 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:112 Resp: 16060

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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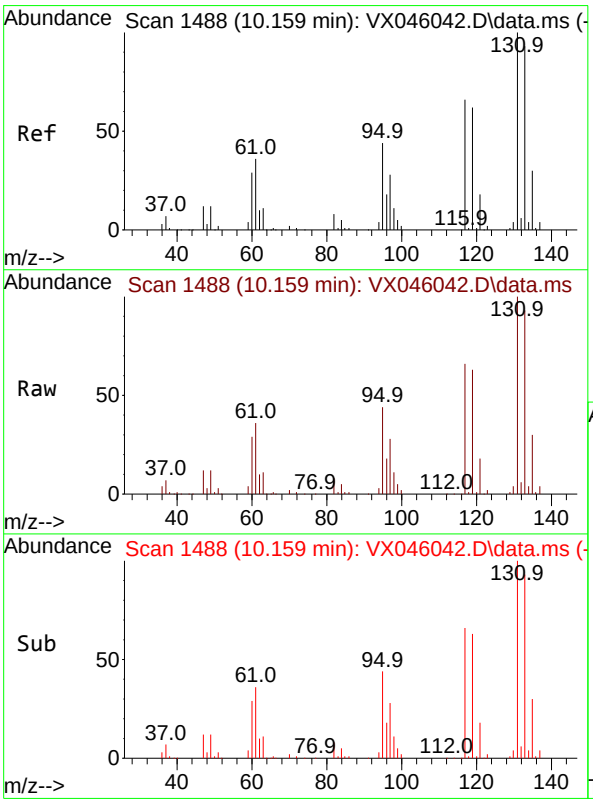
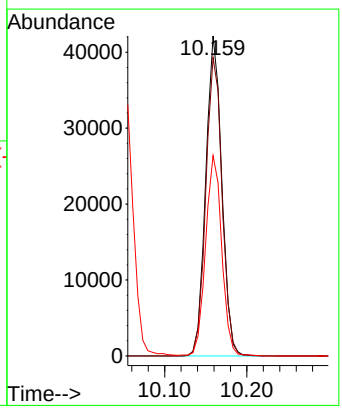
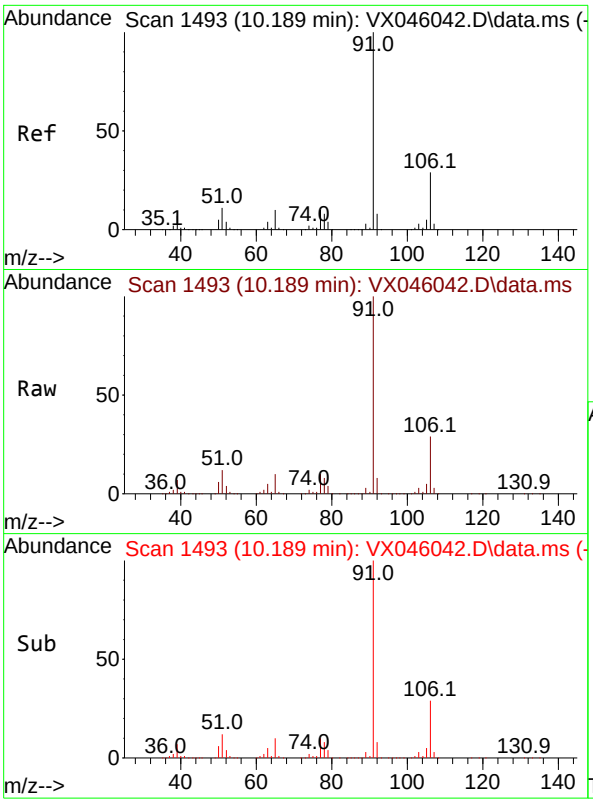


#66
1,1,1,2-Tetrachloroethane
Concen: 38.017 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:131 Resp: 57066

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.9
119	63.3	31.6	95.0

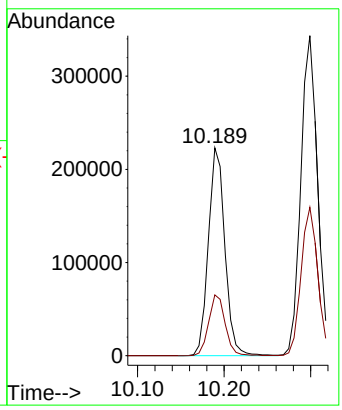




#67
Ethyl Benzene
Concen: 38.543 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 29571

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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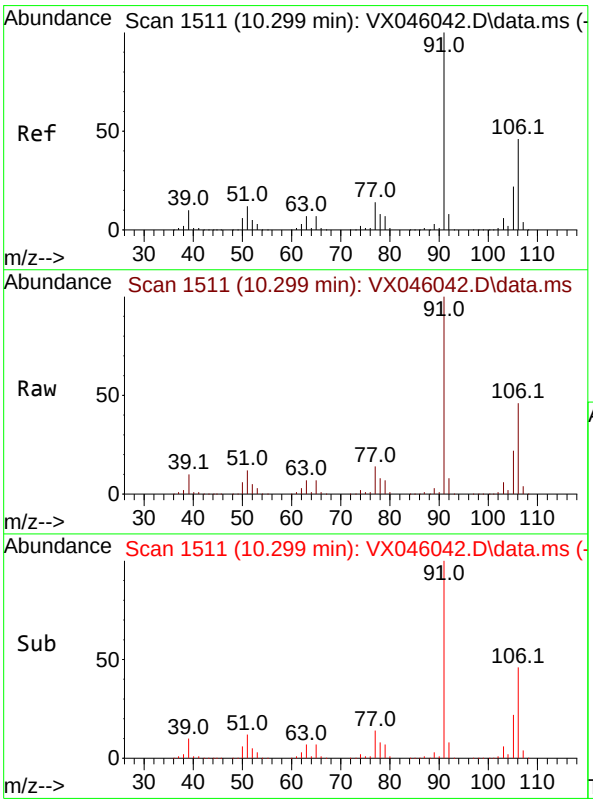
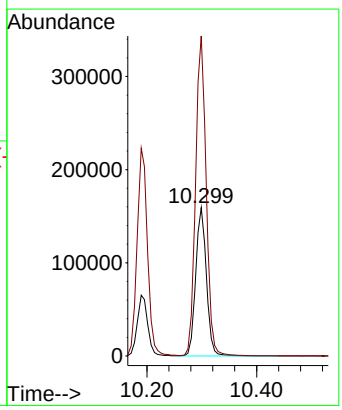
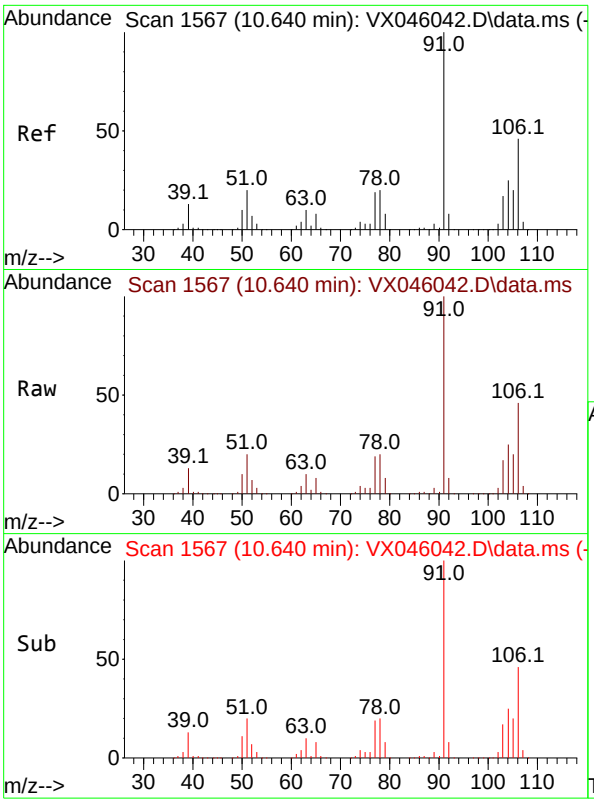


#68
m/p-Xylenes
Concen: 78.142 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:106 Resp: 216578

Ion	Ratio	Lower	Upper
106	100		
91	214.0	171.2	256.8

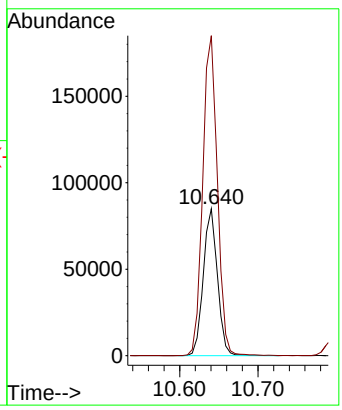




#69
o-Xylene
Concen: 38.064 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:106 Resp: 10633

Ion	Ratio	Lower	Upper
106	100		
91	225.4	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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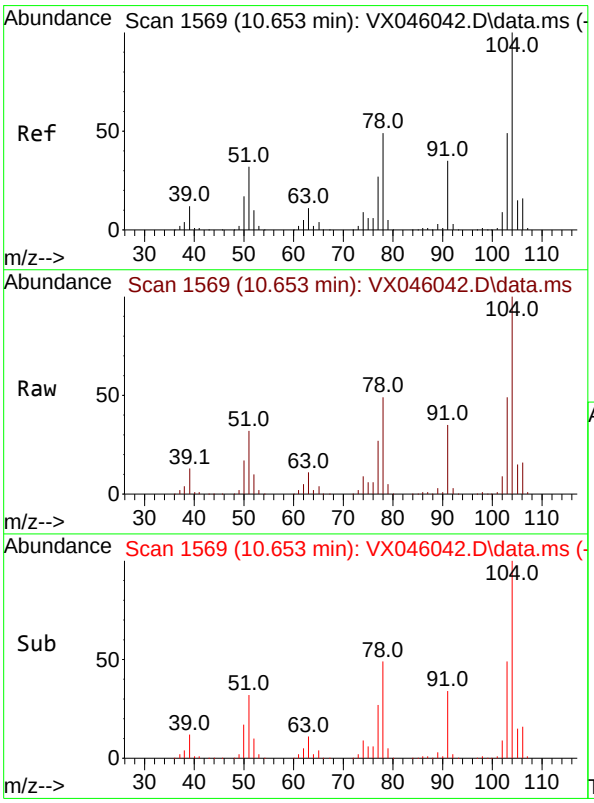
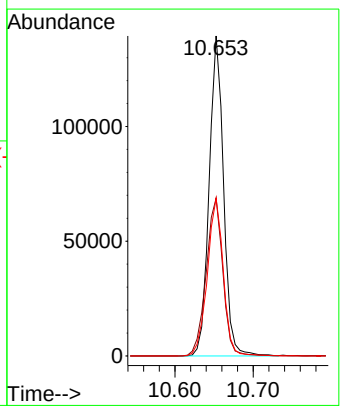
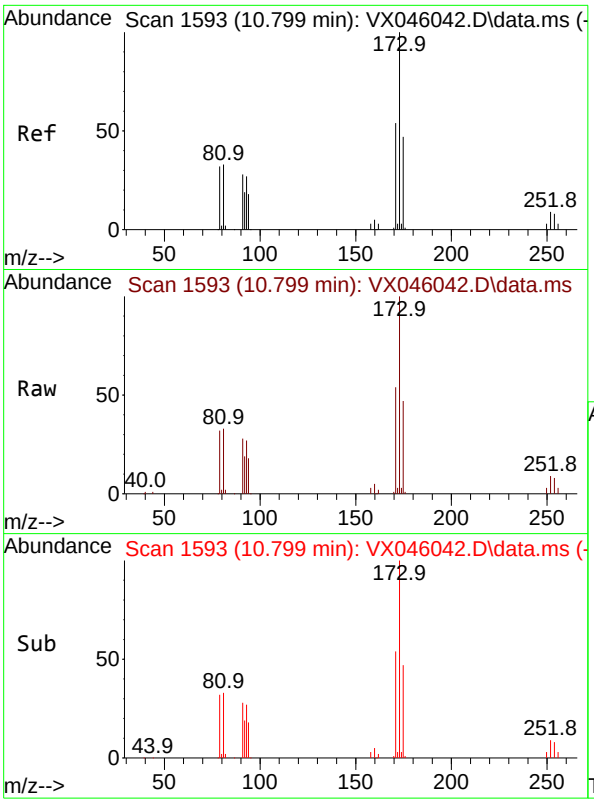


#70
Styrene
Concen: 39.888 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:104 Resp: 178313

Ion	Ratio	Lower	Upper
104	100		
78	57.1	45.7	68.5
103	54.6	43.7	65.5

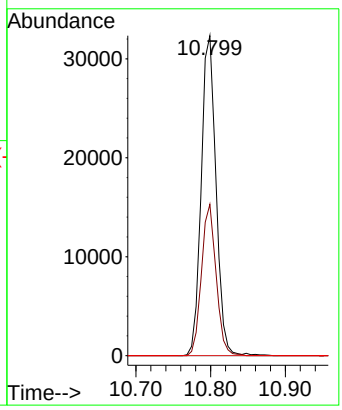




#71
Bromoform
Concen: 39.457 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:173 Resp: 4448

Ion	Ratio	Lower	Upper
173	100		
175	46.7	23.4	70.0
254	0.0	0.0	0.0



Instrument :
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ClientSampleId :
VSTDICCC050

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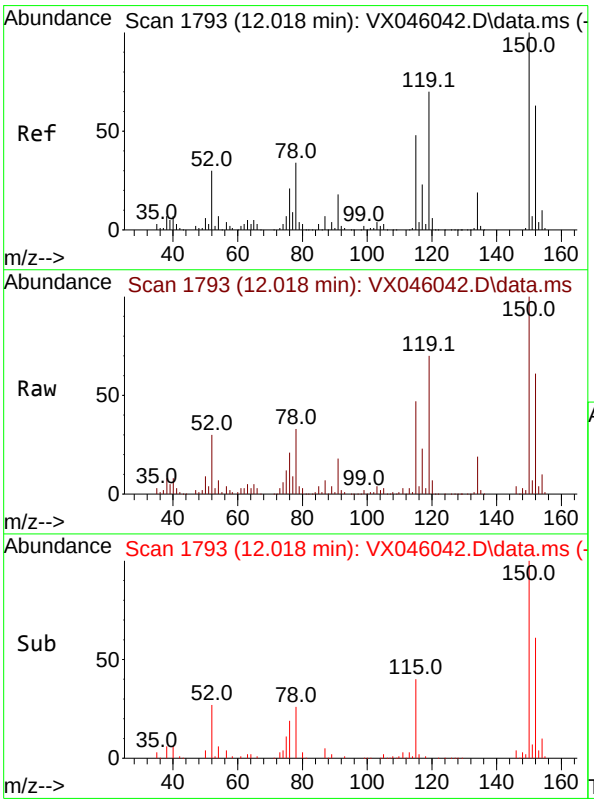
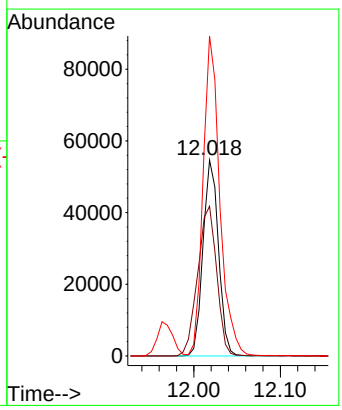
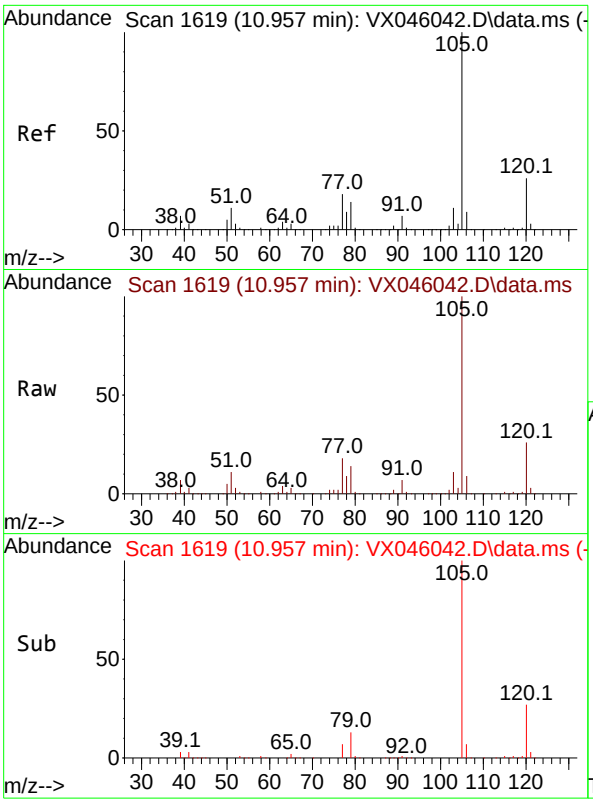


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:152 Resp: 67976

Ion	Ratio	Lower	Upper
152	100		
115	93.8	46.9	140.7
150	175.5	0.0	351.0





#73
Isopropylbenzene
Concen: 37.865 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 28071

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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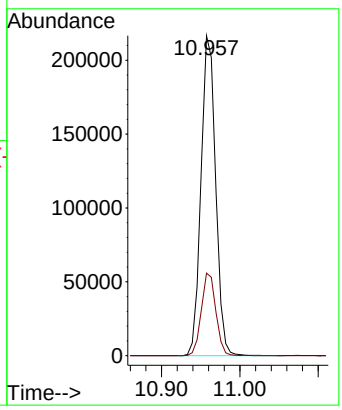
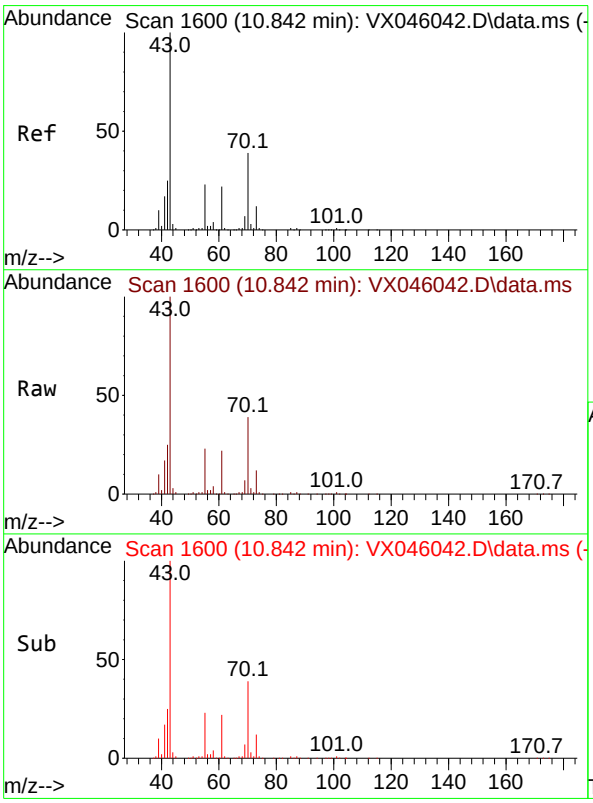
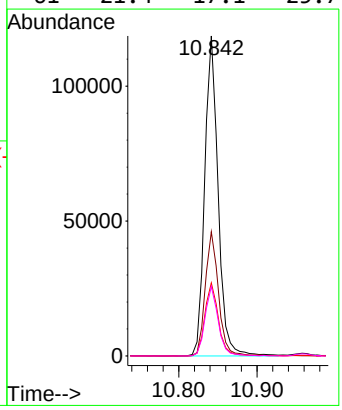


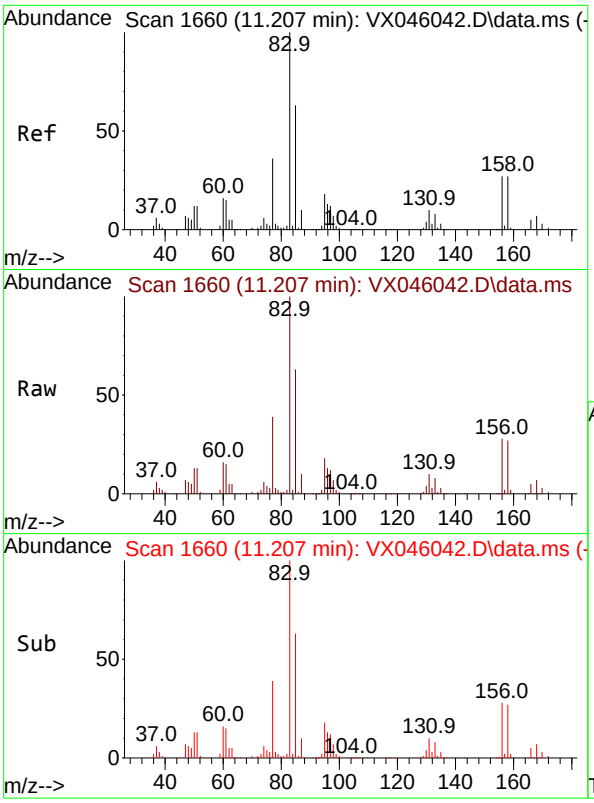


#74
N-amyl acetate
Concen: 38.012 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 140509

Ion	Ratio	Lower	Upper
43	100		
70	38.6	30.9	46.3
55	23.4	18.7	28.1
61	21.4	17.1	25.7

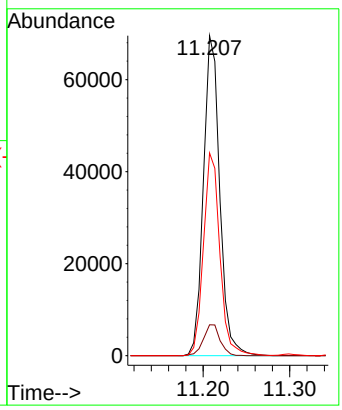




#75
1,1,2,2-Tetrachloroethane
Concen: 34.495 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 9097

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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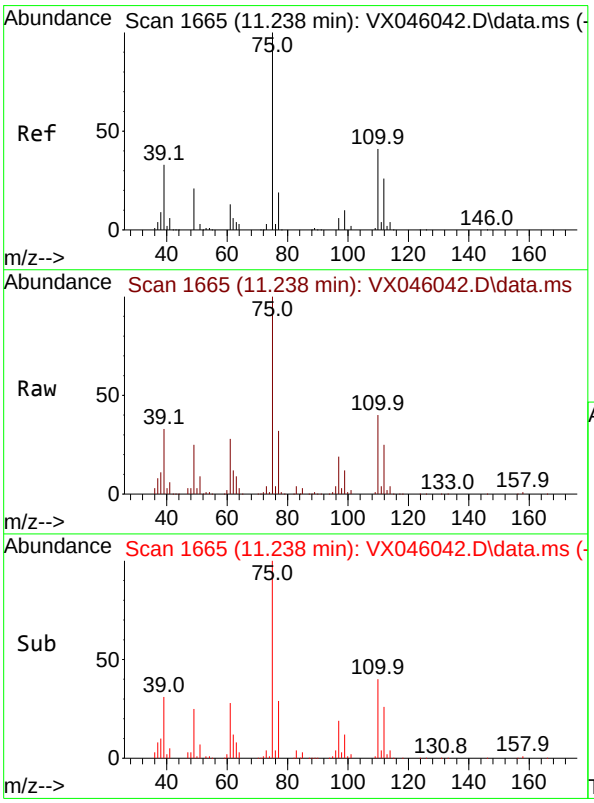
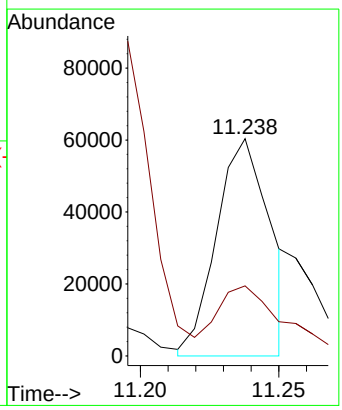
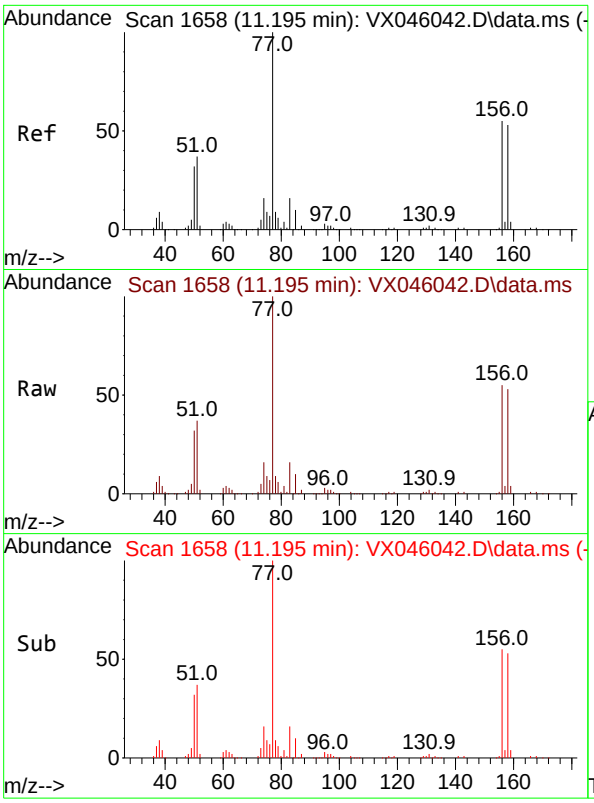


#76
1,2,3-Trichloropropane
Concen: 28.468 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 80678

Ion	Ratio	Lower	Upper
75	100		
77	41.0	20.5	61.5

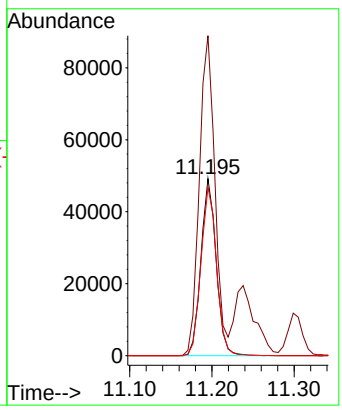




#77
Bromobenzene
Concen: 36.763 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:156 Resp: 6305

Ion	Ratio	Lower	Upper
156	100		
77	185.5	92.8	278.3
158	97.5	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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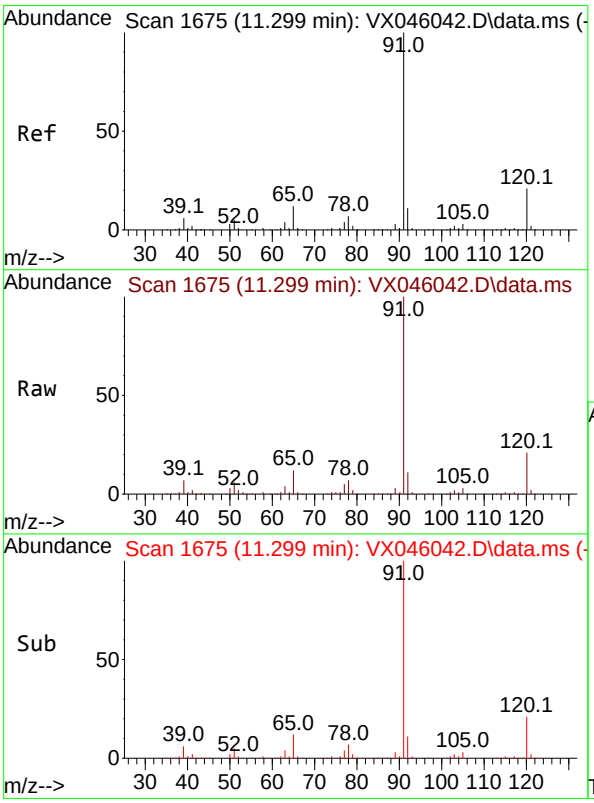
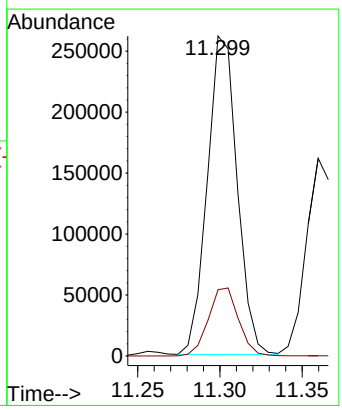
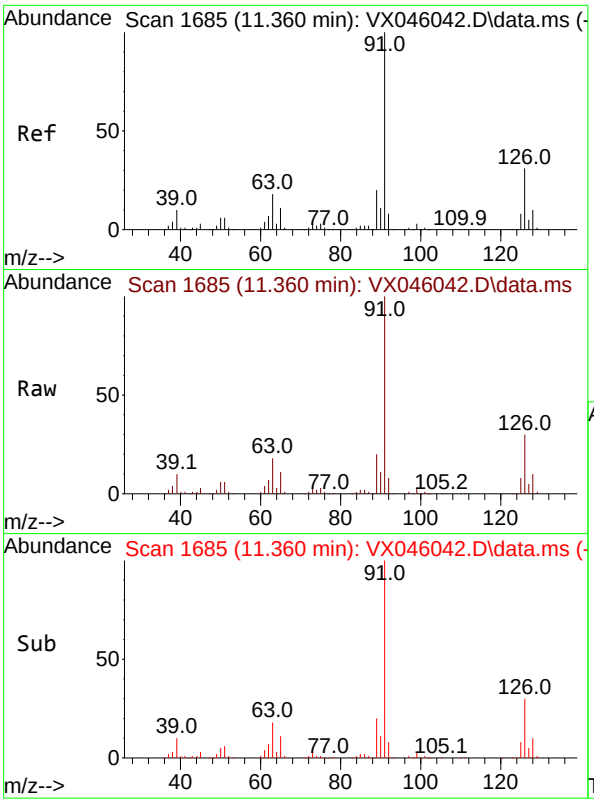


#78
n-propylbenzene
Concen: 39.707 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 329981

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4





#79
2-Chlorotoluene
Concen: 36.336 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 20350

Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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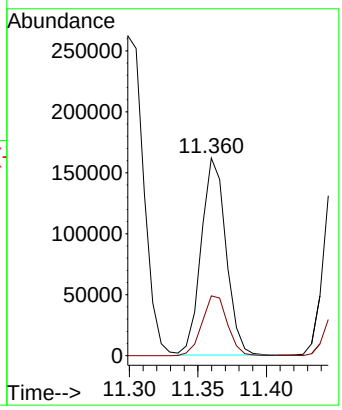
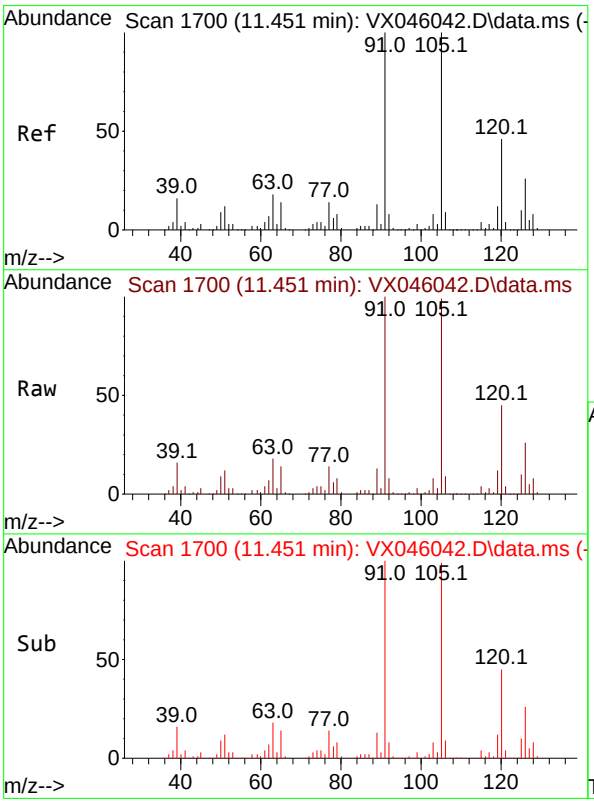
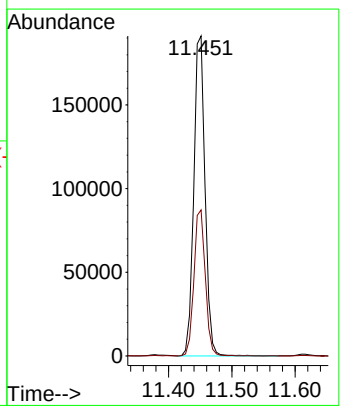


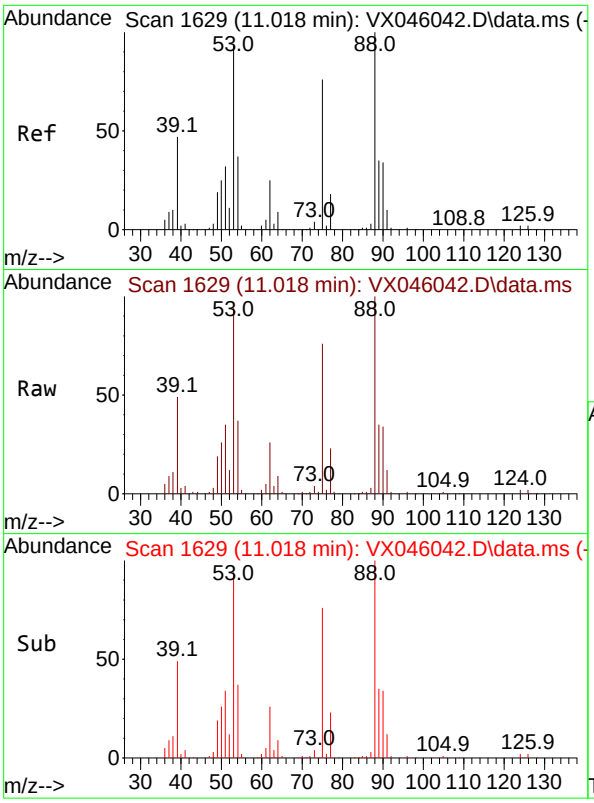


#80
1,3,5-Trimethylbenzene
Concen: 38.516 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 237066

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 38.445 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 2617

Ion	Ratio	Lower	Upper
75	100		
53	125.6	100.5	150.7
89	46.3	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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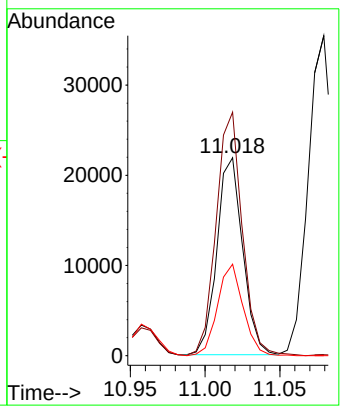
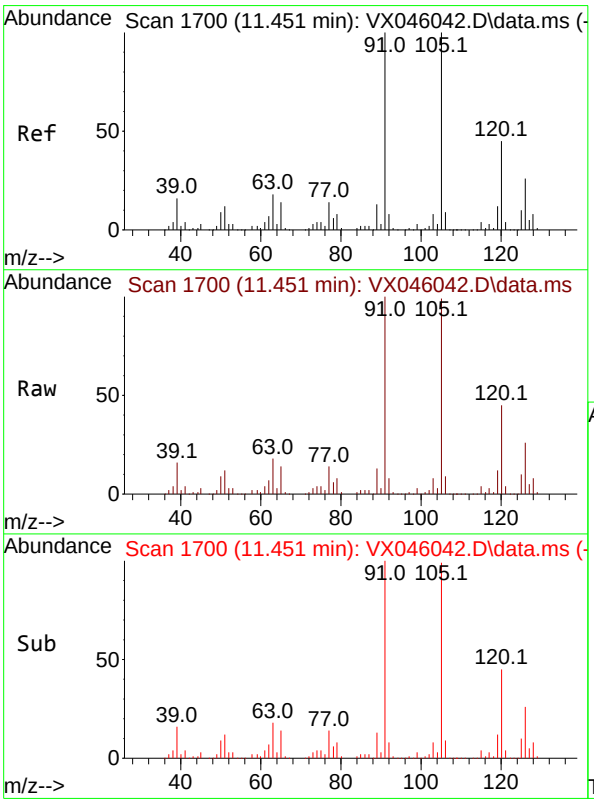
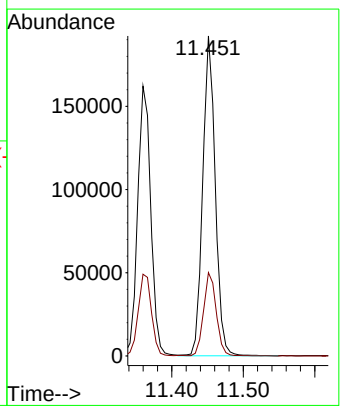


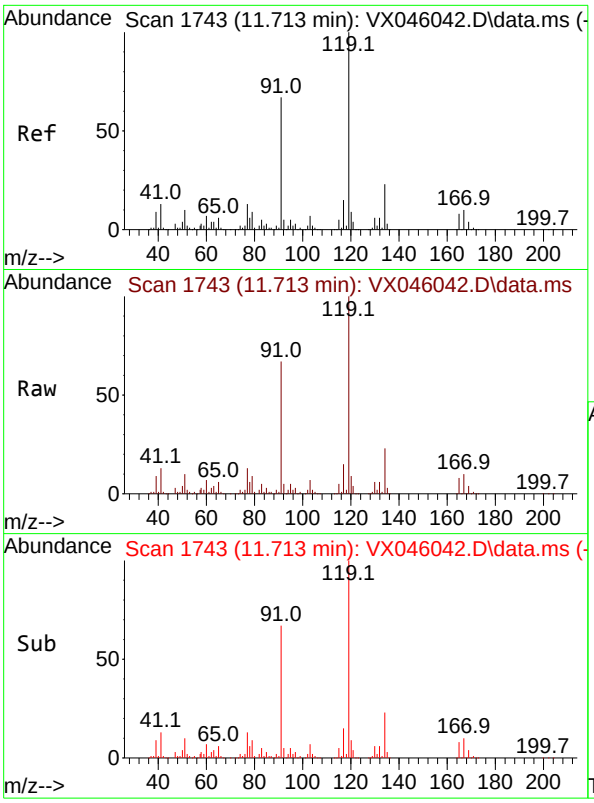


#82
4-Chlorotoluene
Concen: 37.880 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 233172

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8

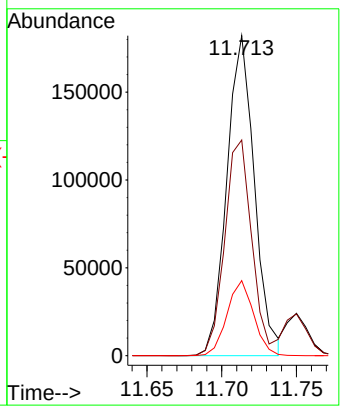




#83
tert-Butylbenzene
Concen: 38.622 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:119 Resp: 23346

Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.9	98.7
134	22.7	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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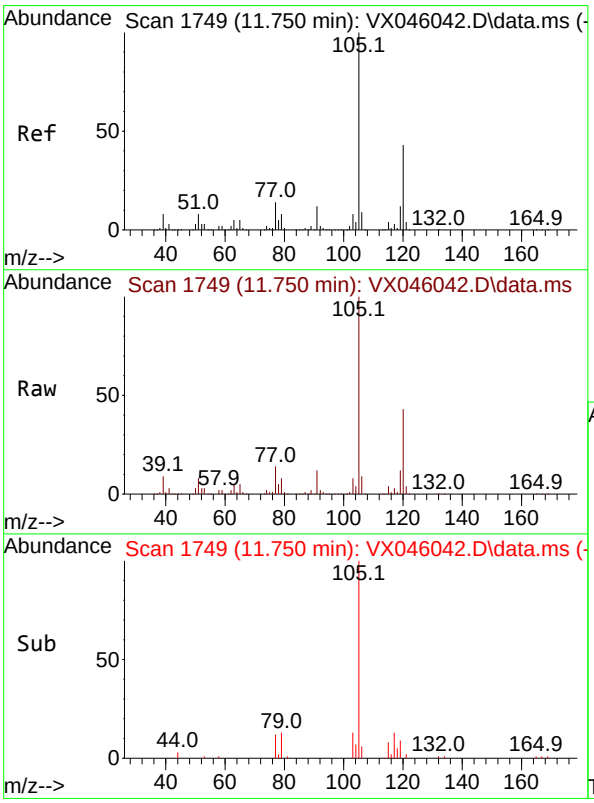
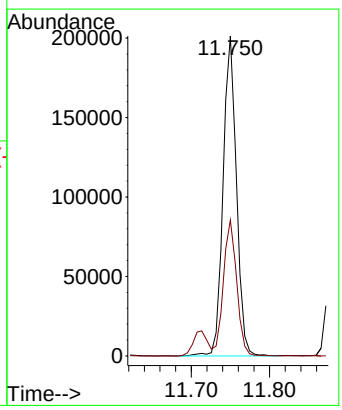
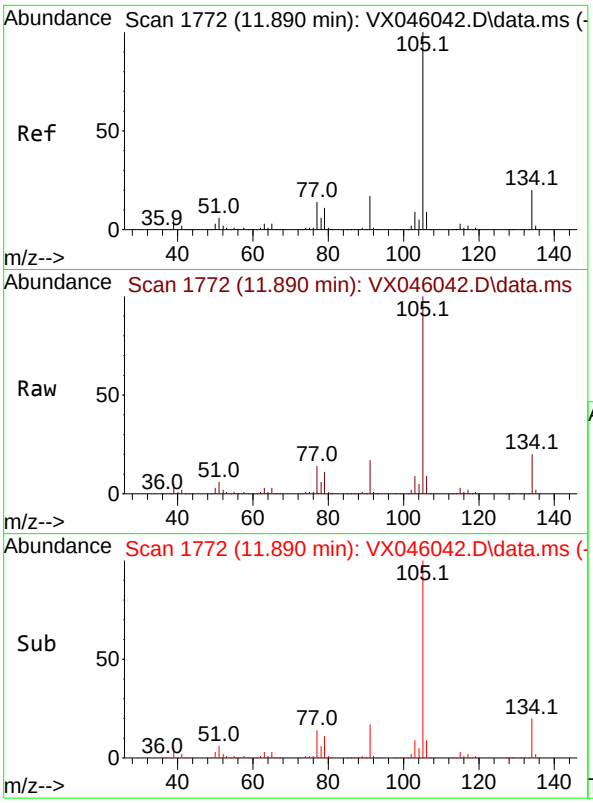


#84
1,2,4-Trimethylbenzene
Concen: 38.946 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 239433

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.2	63.6

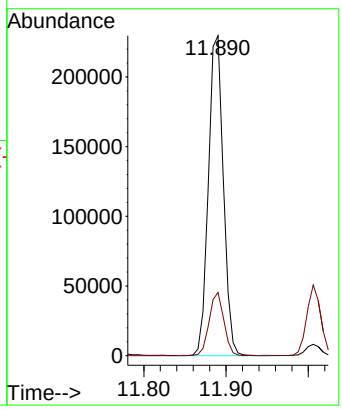




#85
sec-Butylbenzene
Concen: 38.786 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 29107

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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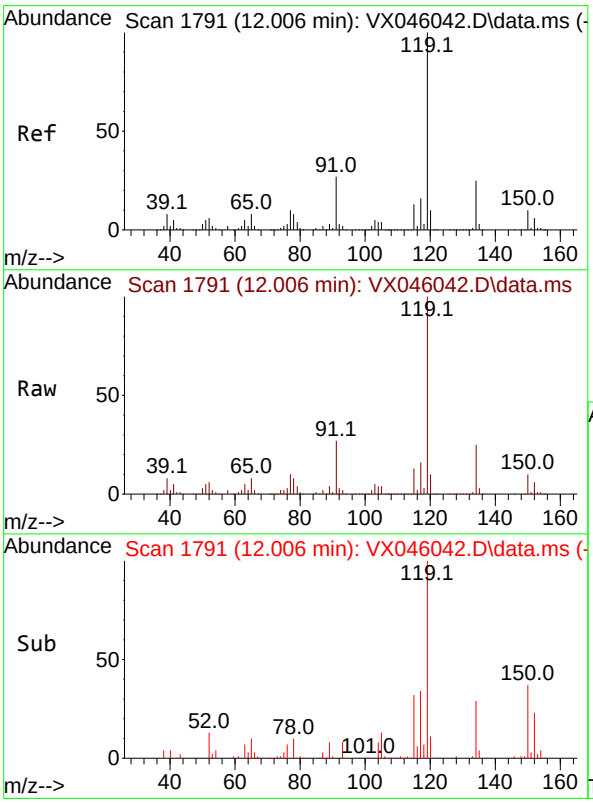
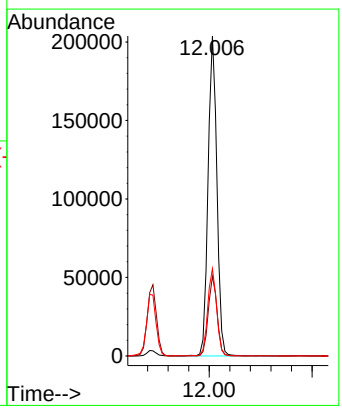
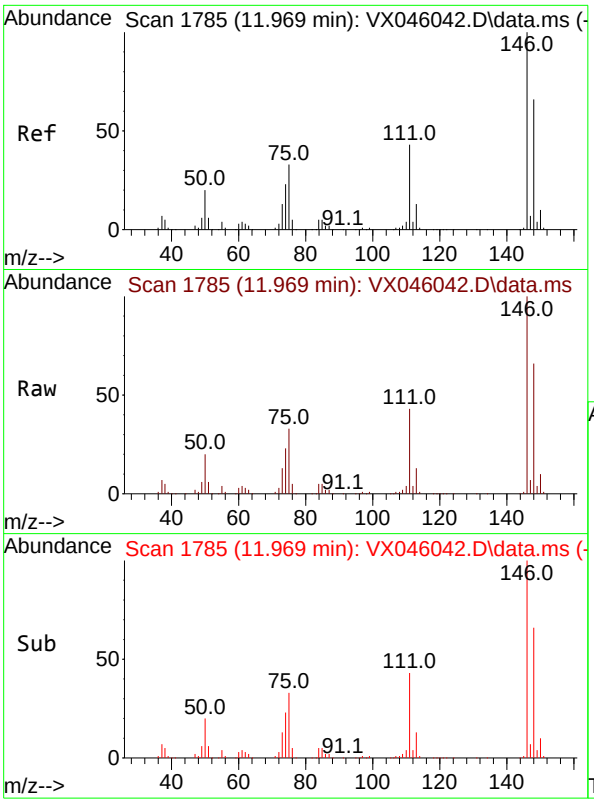


#86
p-Isopropyltoluene
Concen: 39.879 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:119 Resp: 241658

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	27.6	13.8	41.4

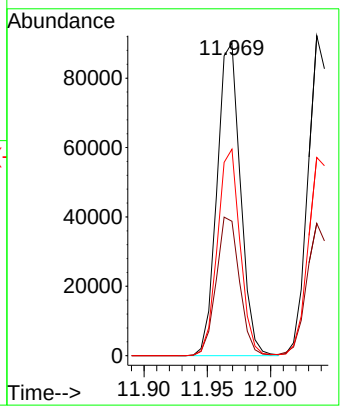




#87
1,3-Dichlorobenzene
Concen: 36.199 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:146 Resp: 11565

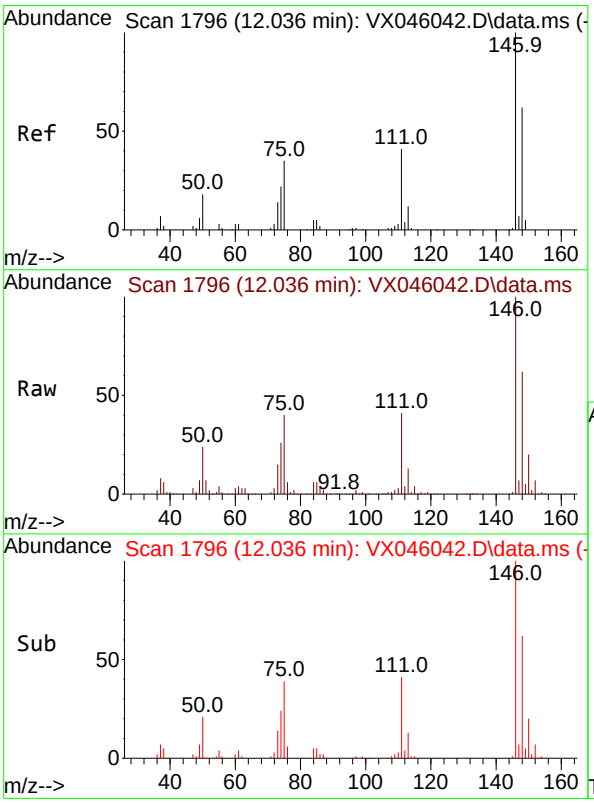
Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.3
148	64.3	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

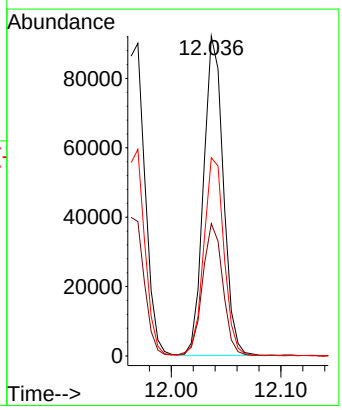
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

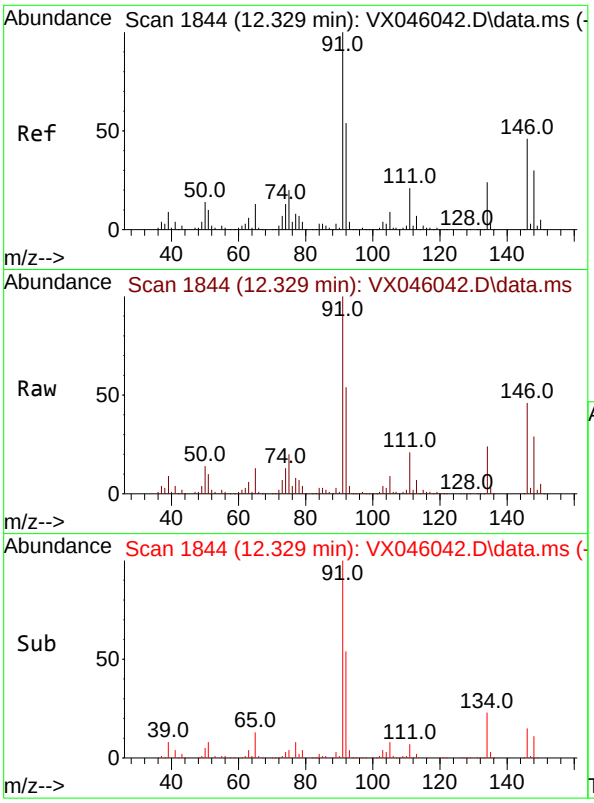


#88
1,4-Dichlorobenzene
Concen: 36.763 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:146 Resp: 115097

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	63.7	31.9	95.5

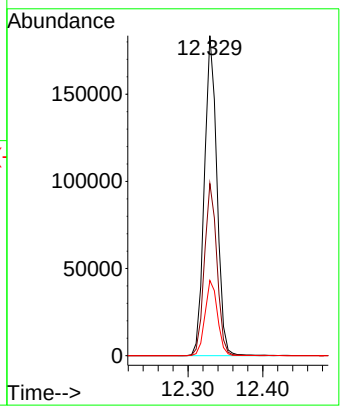




#89
n-Butylbenzene
Concen: 40.603 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 213899

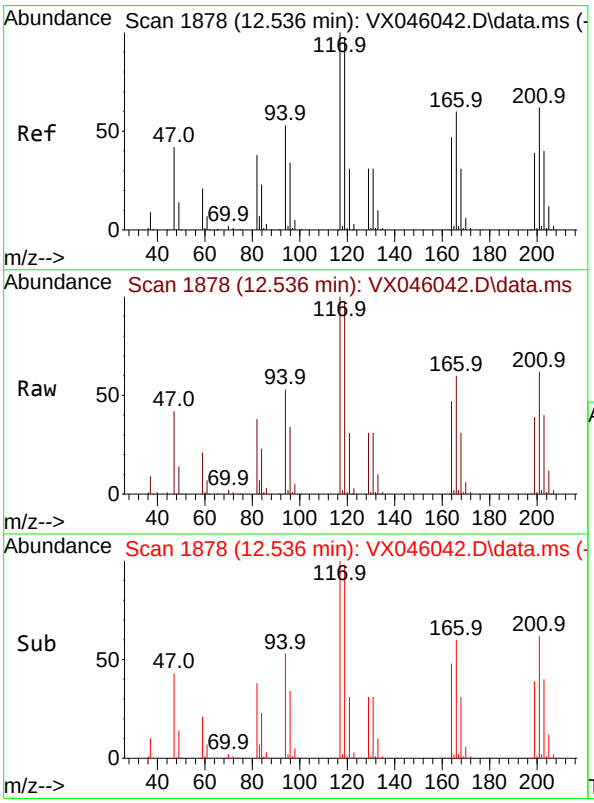
Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.9	80.7
134	23.5	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

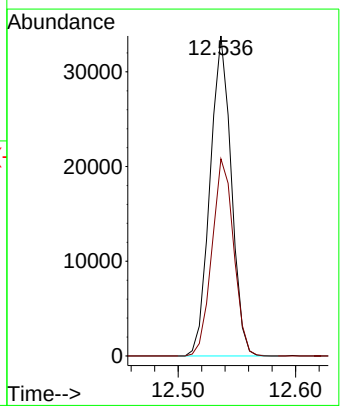
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

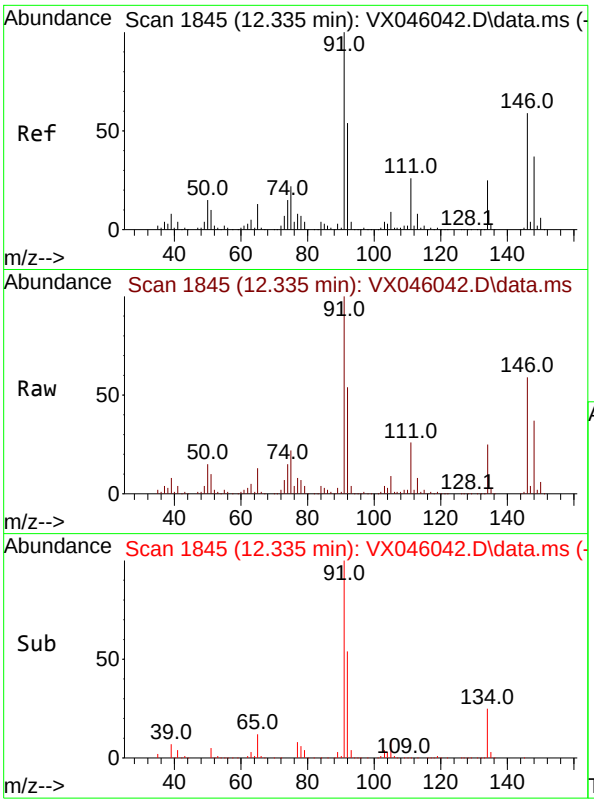


#90
Hexachloroethane
Concen: 37.534 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 42314

Ion	Ratio	Lower	Upper
117	100		
201	63.1	31.6	94.7

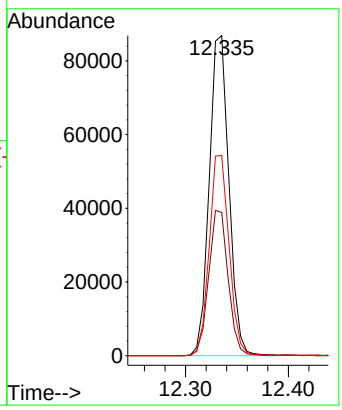




#91
1,2-Dichlorobenzene
Concen: 37.047 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:146 Resp: 11528

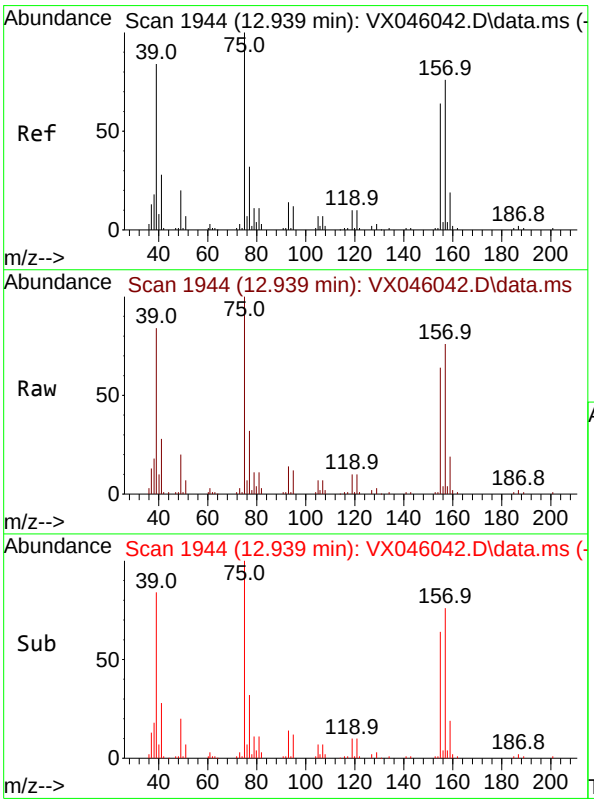
Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.3
148	63.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

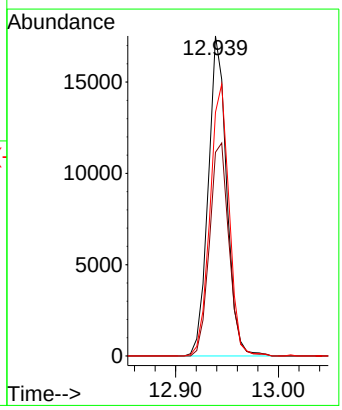
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

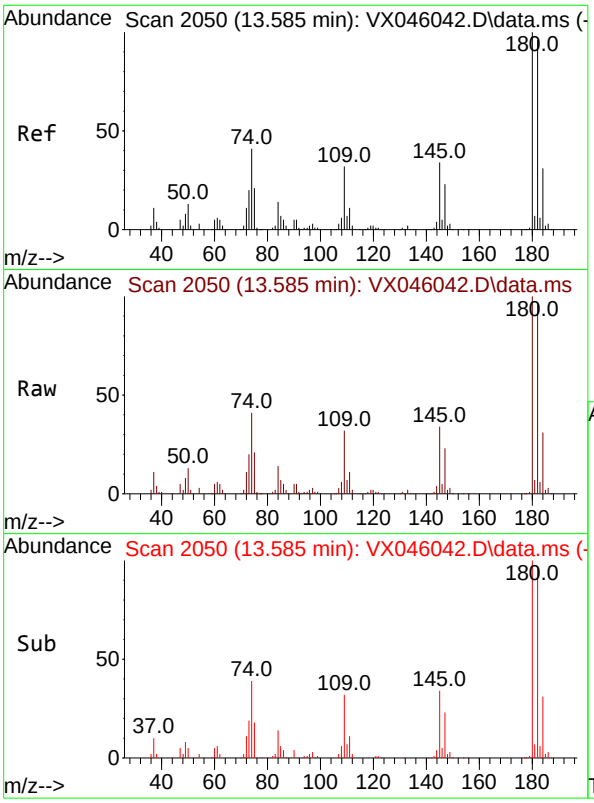


#92
1,2-Dibromo-3-Chloropropane
Concen: 36.496 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 21909

Ion	Ratio	Lower	Upper
75	100		
155	69.9	34.9	104.8
157	87.6	43.8	131.4

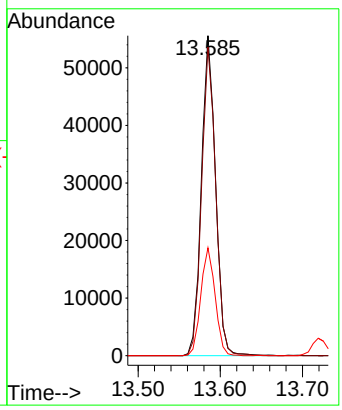




#93
1,2,4-Trichlorobenzene
Concen: 39.117 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:180 Resp: 6665

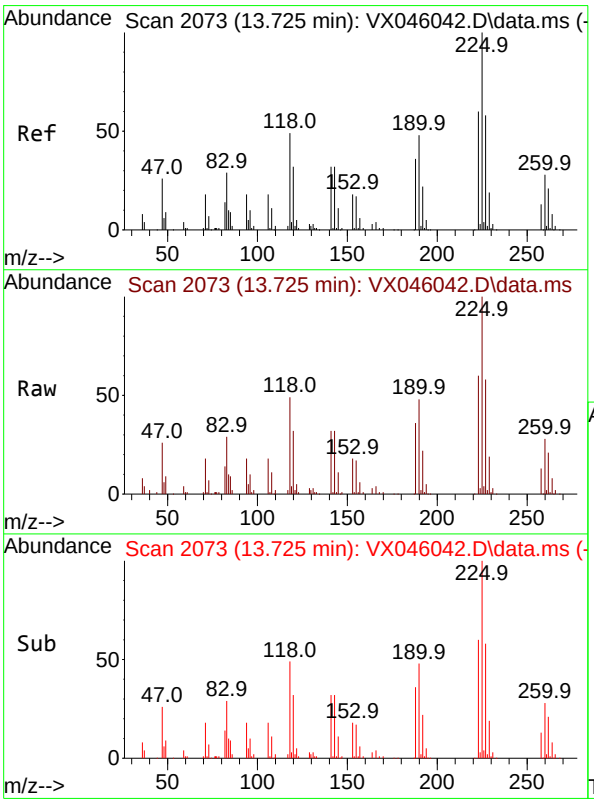
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.8
145	34.1	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

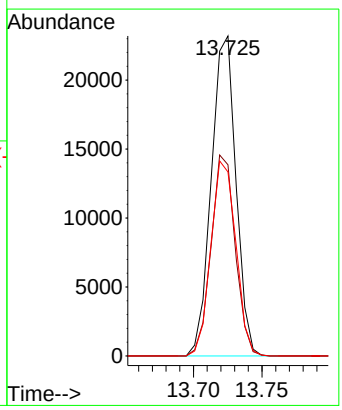
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

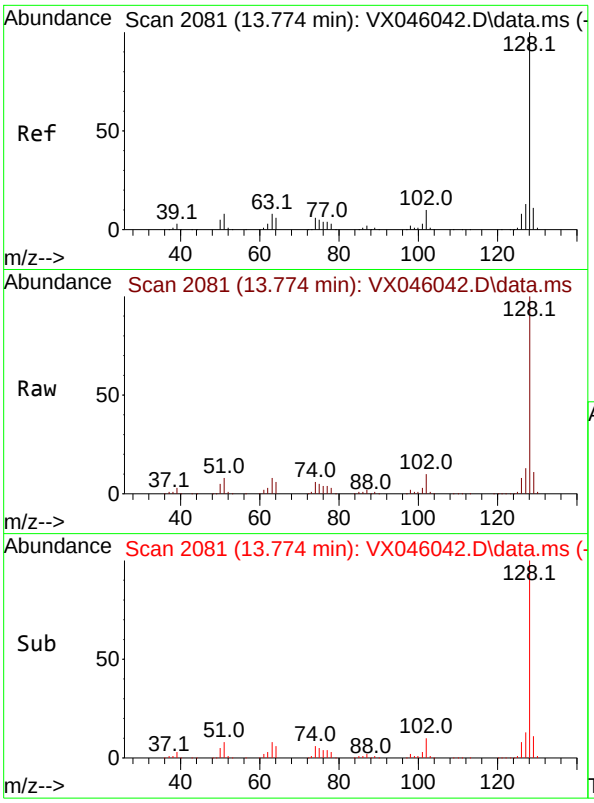


#94
Hexachlorobutadiene
Concen: 36.395 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:225 Resp: 29007

Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.8	92.4
227	61.8	30.9	92.7

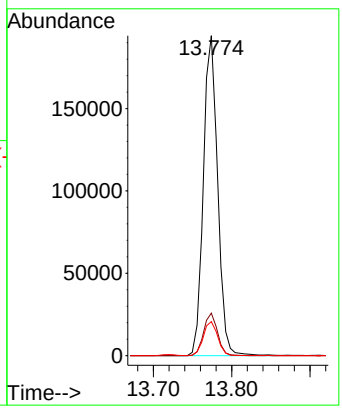




#95
Naphthalene
Concen: 39.575 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:128 Resp: 24556

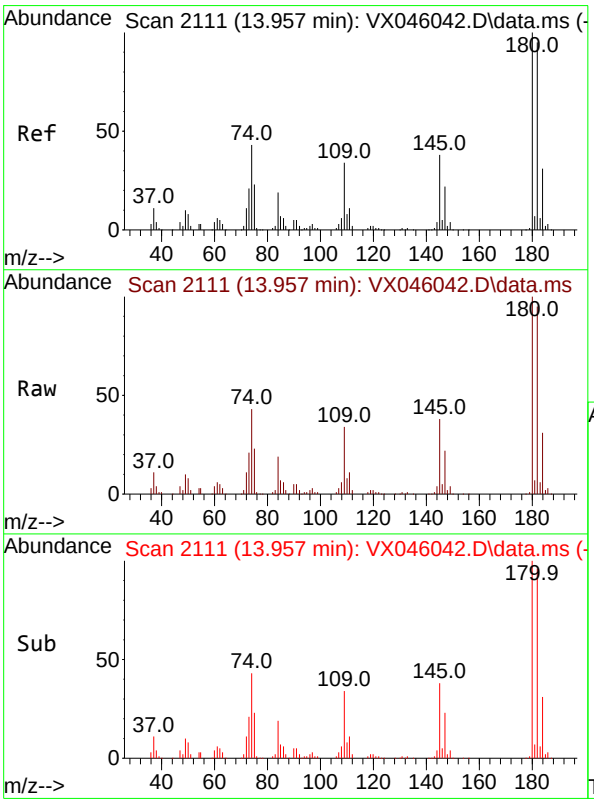
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

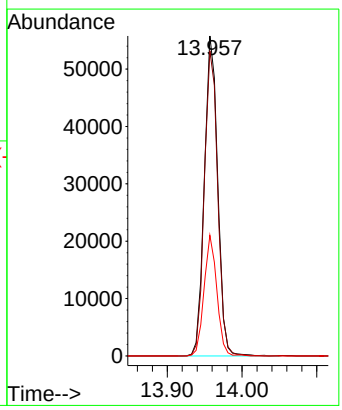
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 38.765 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:180 Resp: 69262

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	36.2	18.1	54.3



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	87028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	161877	62.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 125.060%#			
35) Dibromofluoromethane	5.379	113	111455	65.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 130.020%#			
50) Toluene-d8	8.647	98	387230	67.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 134.060%#			
62) 4-Bromofluorobenzene	11.079	95	153085	72.818	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 145.640%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	149508	77.828	ug/l	99
3) Chloromethane	1.307	50	136937	72.392	ug/l	98
4) Vinyl Chloride	1.374	62	126609	76.398	ug/l	98
5) Bromomethane	1.593	94	59246	70.507	ug/l	99
6) Chloroethane	1.660	64	57332	67.148	ug/l	99
7) Trichlorofluoromethane	1.867	101	171042	67.754	ug/l	99
8) Diethyl Ether	2.136	74	58762	70.807	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	109520	72.604	ug/l	99
10) Methyl Iodide	2.440	142	138045	77.943	ug/l	100
11) Tert butyl alcohol	2.995	59	125094	405.394	ug/l	100
12) 1,1-Dichloroethene	2.306	96	105566	71.884	ug/l	96
13) Acrolein	2.239	56	134456	375.132	ug/l	99
14) Allyl chloride	2.660	41	206519	74.419	ug/l	98
15) Acrylonitrile	3.068	53	331142	358.723	ug/l	97
16) Acetone	2.386	43	314383	354.936	ug/l	98
17) Carbon Disulfide	2.501	76	264956	77.867	ug/l	100
18) Methyl Acetate	2.703	43	147014	69.531	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	378113	73.818	ug/l	100
20) Methylene Chloride	2.782	84	120270	67.030	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	106606	71.109	ug/l	99
22) Diisopropyl ether	3.763	45	399494	77.048	ug/l	90
23) Vinyl Acetate	3.721	43	1811550	395.363	ug/l	100
24) 1,1-Dichloroethane	3.605	63	219759	72.114	ug/l	99
25) 2-Butanone	4.556	43	485448	379.704	ug/l	100
26) 2,2-Dichloropropane	4.464	77	174579	75.621	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	128454	71.056	ug/l	99
28) Bromochloromethane	4.891	49	103602	63.932	ug/l	100
29) Tetrahydrofuran	5.001	42	305757	368.234	ug/l	99
30) Chloroform	5.086	83	222253	70.180	ug/l	95
31) Cyclohexane	5.458	56	196302	76.428	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	201112	73.635	ug/l	98
36) 1,1-Dichloropropene	5.690	75	147873	74.285	ug/l	99
37) Ethyl Acetate	4.714	43	186215	74.565	ug/l	99
38) Carbon Tetrachloride	5.672	117	168946	73.875	ug/l	99
39) Methylcyclohexane	7.372	83	191941	76.952	ug/l	96
40) Benzene	6.031	78	440885	71.457	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	104863	75.574	ug/l		98
42) 1,2-Dichloroethane	6.080	62	187036	73.318	ug/l		99
43) Isopropyl Acetate	6.342	43	300491	78.714	ug/l		100
44) Trichloroethene	7.123	130	105628	72.420	ug/l		98
45) 1,2-Dichloropropane	7.427	63	112554	73.420	ug/l		100
46) Dibromomethane	7.574	93	85728	70.938	ug/l		100
47) Bromodichloromethane	7.818	83	175301	74.845	ug/l		99
48) Methyl methacrylate	7.689	41	153093	78.101	ug/l		99
49) 1,4-Dioxane	7.659	88	57313	1470.687	ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	963319	384.740	ug/l		100
52) Toluene	8.714	92	270763	74.010	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	169863	86.372	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	184134	80.264	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	107264	72.543	ug/l		99
56) Ethyl methacrylate	9.116	69	188717	82.359	ug/l		99
57) 1,3-Dichloropropane	9.305	76	187649	71.590	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	463169	449.791	ug/l		100
59) 2-Hexanone	9.433	43	729602	383.945	ug/l		100
60) Dibromochloromethane	9.518	129	127012	78.918	ug/l		98
61) 1,2-Dibromoethane	9.610	107	112669	74.200	ug/l		98
64) Tetrachloroethene	9.268	164	93195	67.493	ug/l		96
65) Chlorobenzene	10.079	112	293284	70.490	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	103177	74.349	ug/l		99
67) Ethyl Benzene	10.189	91	535122	75.444	ug/l		99
68) m/p-Xylenes	10.299	106	389935	152.181	ug/l		99
69) o-Xylene	10.640	106	190833	73.890	ug/l		97
70) Styrene	10.652	104	328195	79.411	ug/l		100
71) Bromoform	10.799	173	84353	80.927	ug/l	#	98
73) Isopropylbenzene	10.957	105	514528	71.083	ug/l		100
74) N-amyl acetate	10.841	43	274553	76.073	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	170481	66.207	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	150182m	54.277	ug/l		
77) Bromobenzene	11.195	156	117151	69.959	ug/l		99
78) n-propylbenzene	11.305	91	608332	74.974	ug/l		100
79) 2-Chlorotoluene	11.360	91	372392	68.100	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	432096	71.903	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	54398	81.820	ug/l		93
82) 4-Chlorotoluene	11.451	91	432053	71.890	ug/l		100
83) tert-Butylbenzene	11.713	119	432011	73.197	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	442728	73.758	ug/l		100
85) sec-Butylbenzene	11.890	105	543597	74.188	ug/l		100
86) p-Isopropyltoluene	12.006	119	457898	77.393	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	219753	70.449	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	217613	71.190	ug/l		99
89) n-Butylbenzene	12.329	91	416602	80.996	ug/l		100
90) Hexachloroethane	12.536	117	82528	74.978	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	216834	71.367	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43673	74.512	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	137430	82.605	ug/l		98
94) Hexachlorobutadiene	13.725	225	55494	71.314	ug/l		98
95) Naphthalene	13.774	128	489778	80.842	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	139525	79.981	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

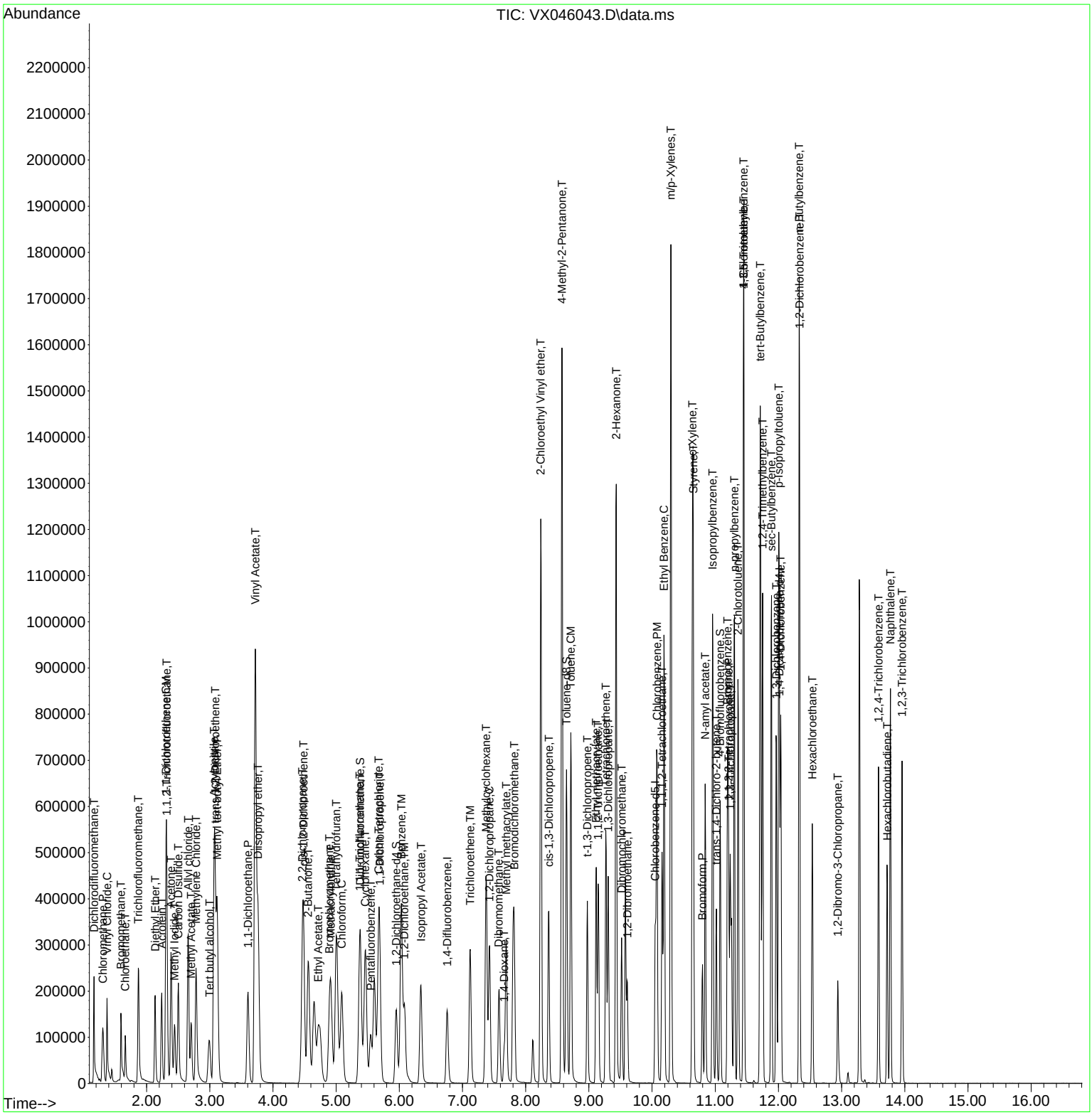
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

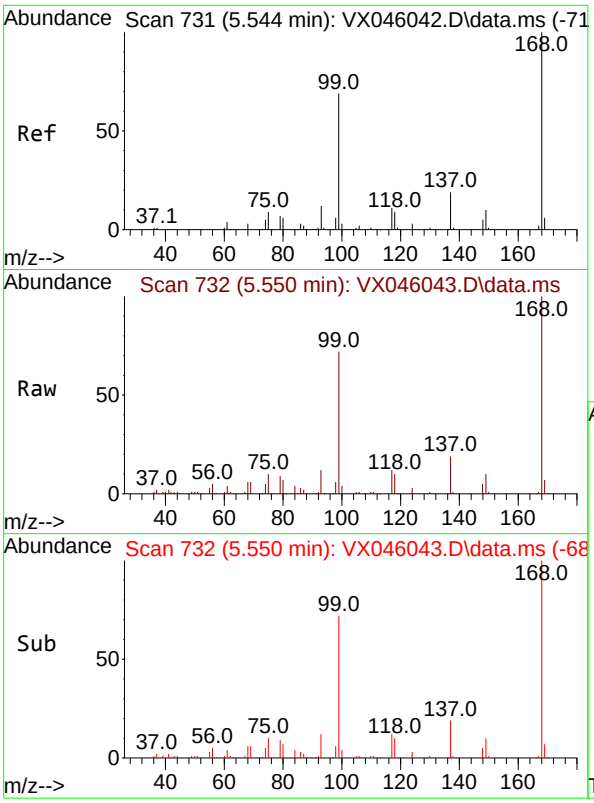
Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

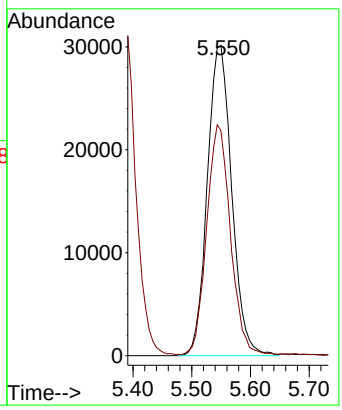




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:168 Resp: 8702

Ion	Ratio	Lower	Upper
168	100		
99	72.1	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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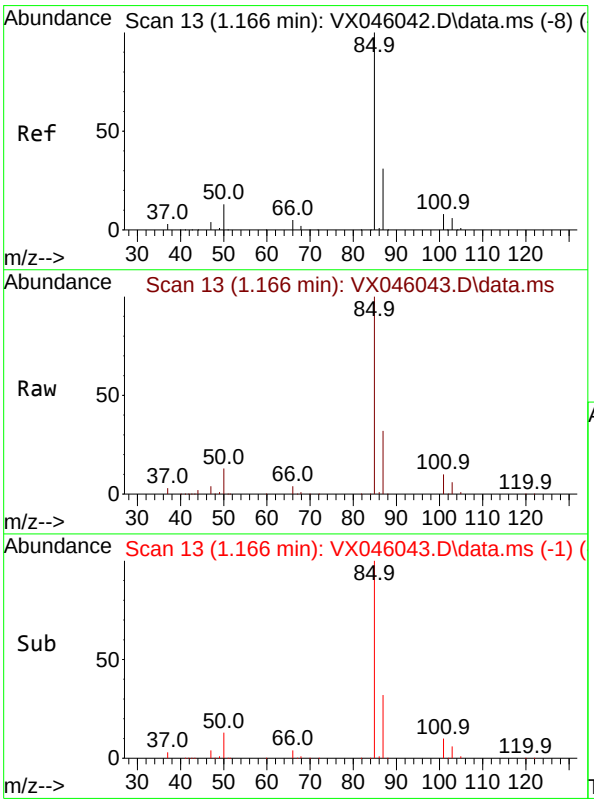
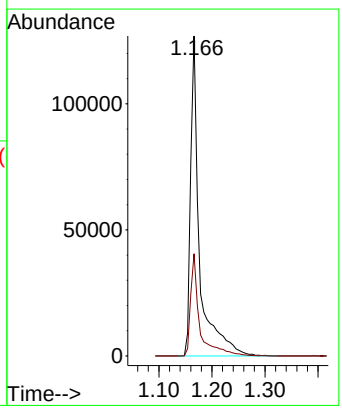
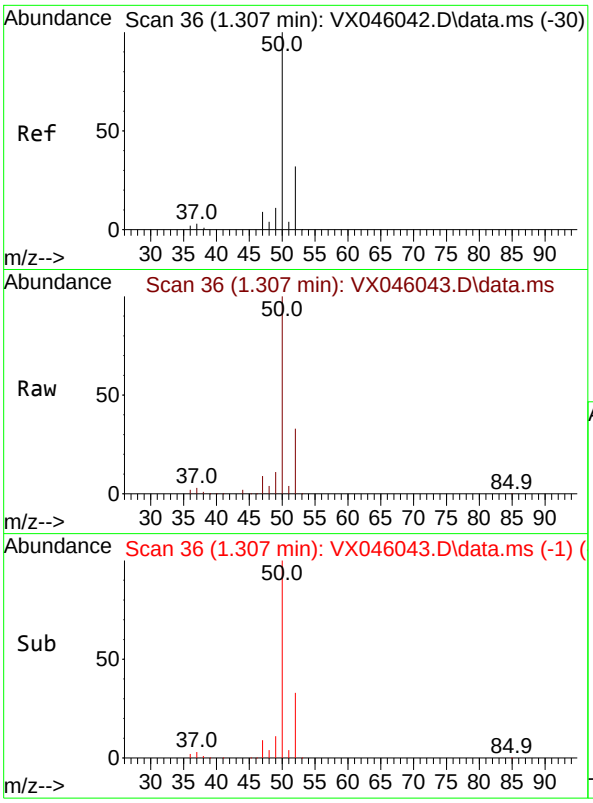


#2
Dichlorodifluoromethane
Concen: 77.828 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 85 Resp: 149508

Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.7	47.1

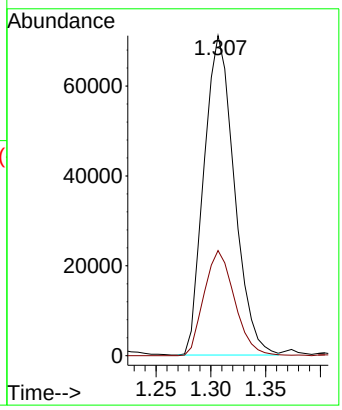




#3
Chloromethane
Concen: 72.392 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 50 Resp: 13693

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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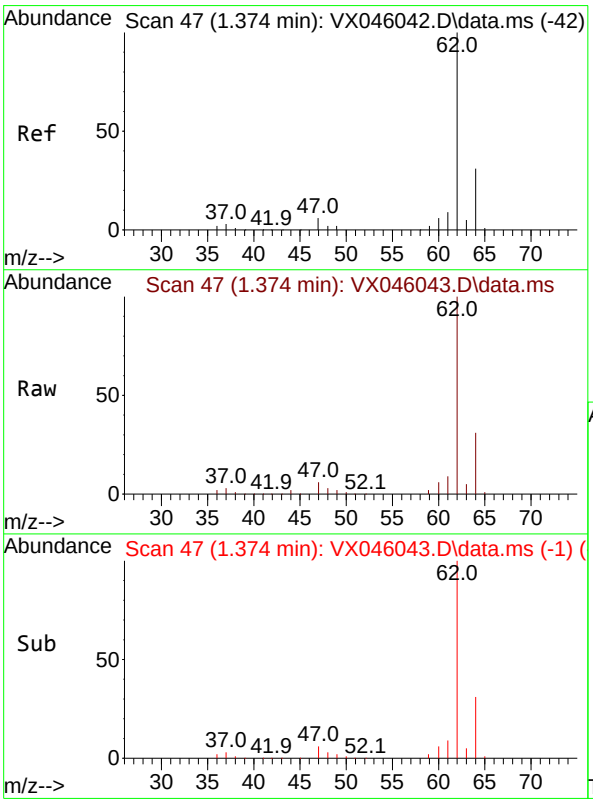
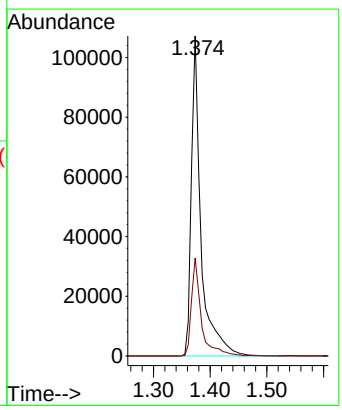
Supervised By :Mahesh Dadoda 05/06/2025

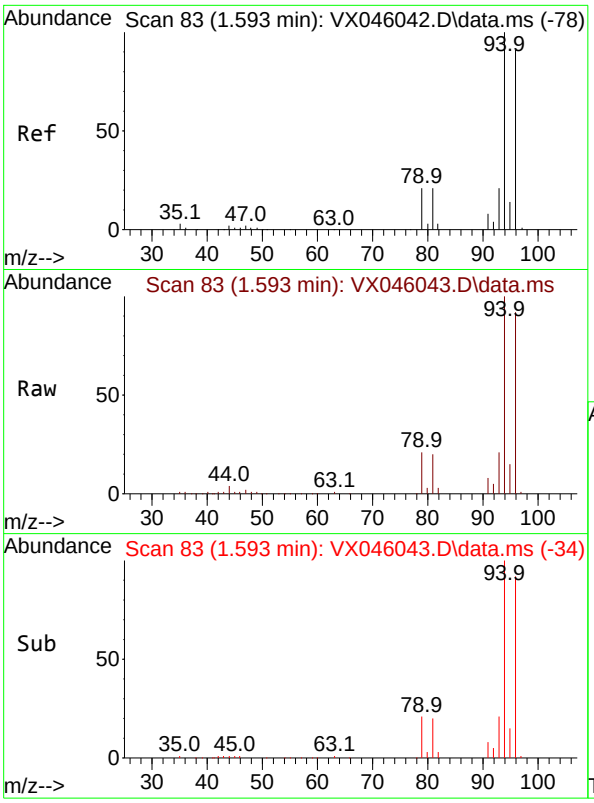


#4
Vinyl Chloride
Concen: 76.398 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 62 Resp: 126609

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.2	37.8

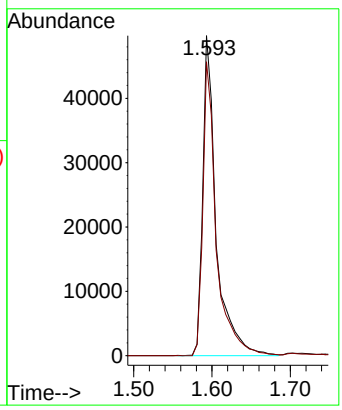




#5
Bromomethane
Concen: 70.507 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 94 Resp: 5924

Ion	Ratio	Lower	Upper
94	100		
96	91.7	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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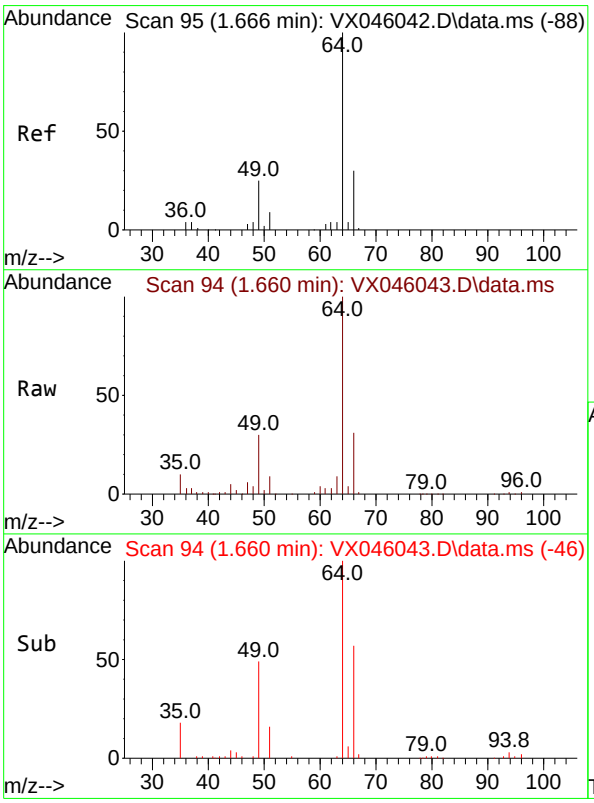
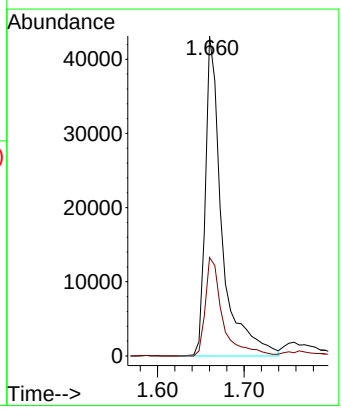
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

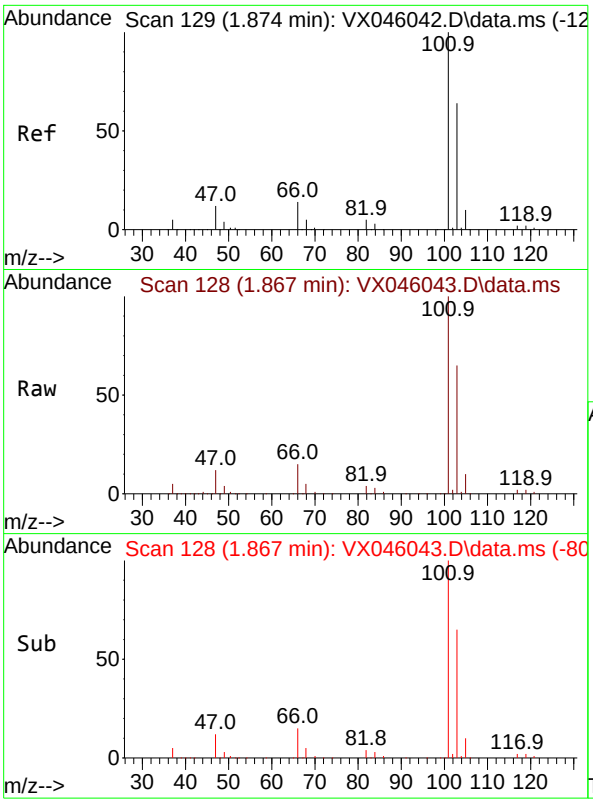


#6
Chloroethane
Concen: 67.148 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 64 Resp: 57332

Ion	Ratio	Lower	Upper
64	100		
66	30.8	24.3	36.5

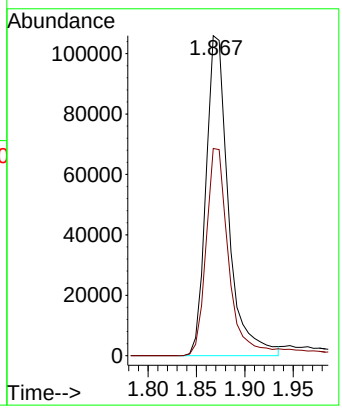




#7
Trichlorofluoromethane
Concen: 67.754 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:101 Resp: 17104

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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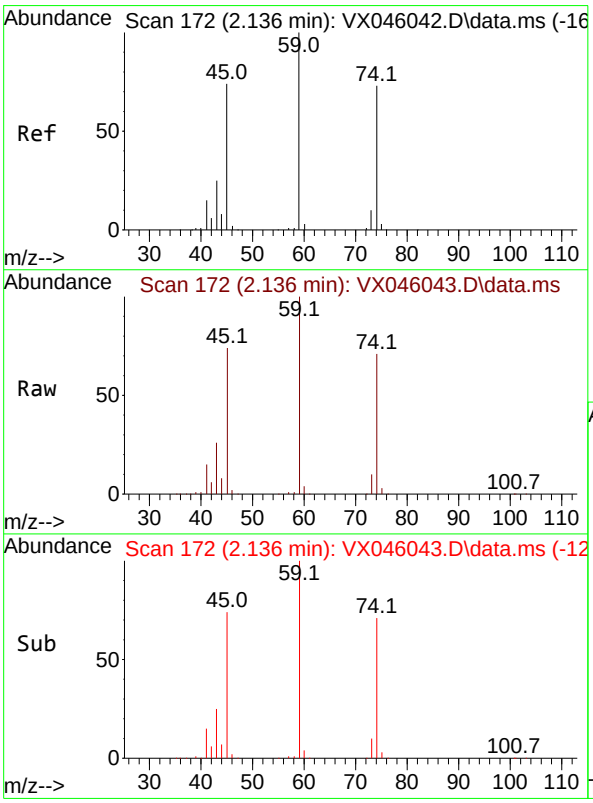
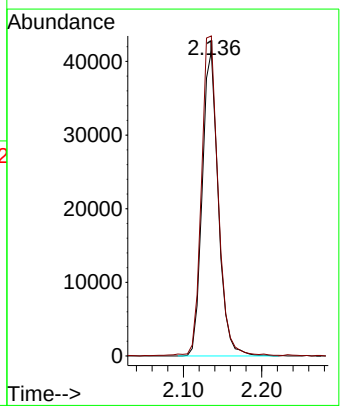
Supervised By :Mahesh Dadoda 05/06/2025

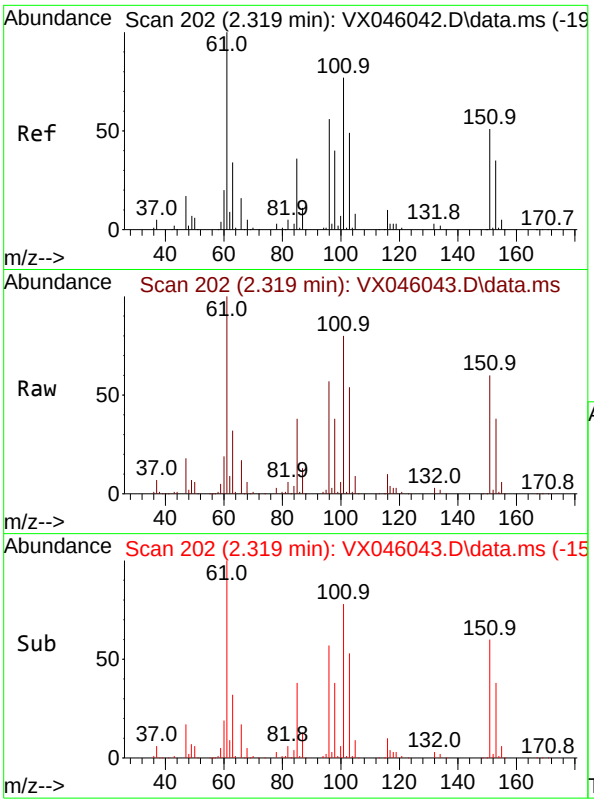


#8
Diethyl Ether
Concen: 70.807 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 74 Resp: 58762

Ion	Ratio	Lower	Upper
74	100		
45	110.1	54.9	164.8

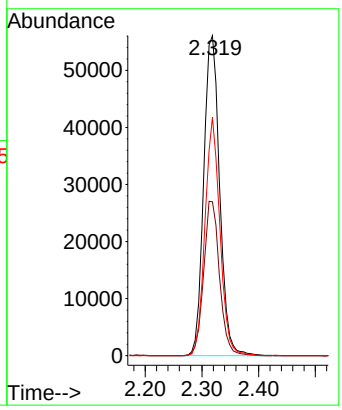




#9
1,1,2-Trichlorotrifluoroethane
Concen: 72.604 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:101 Resp: 10952

Ion	Ratio	Lower	Upper
101	100		
85	48.1	38.6	58.0
151	69.9	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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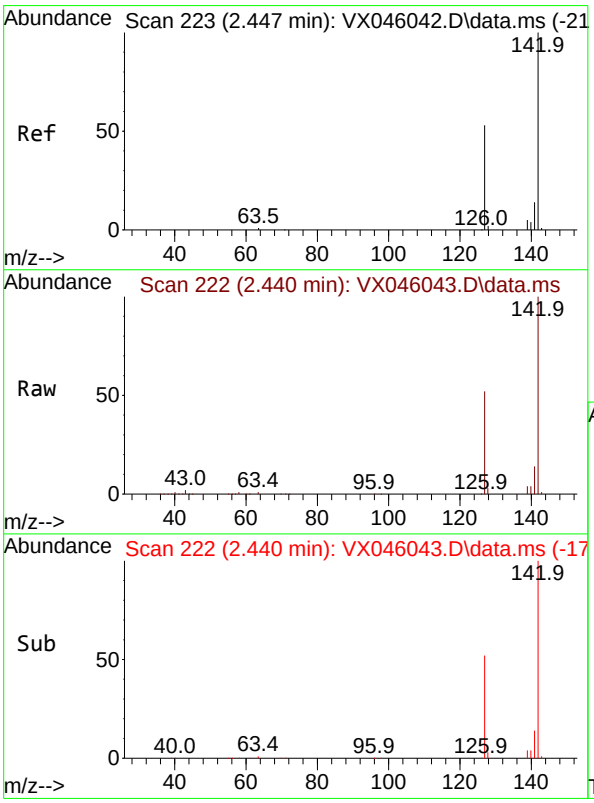
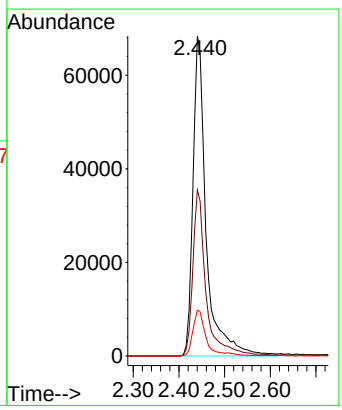
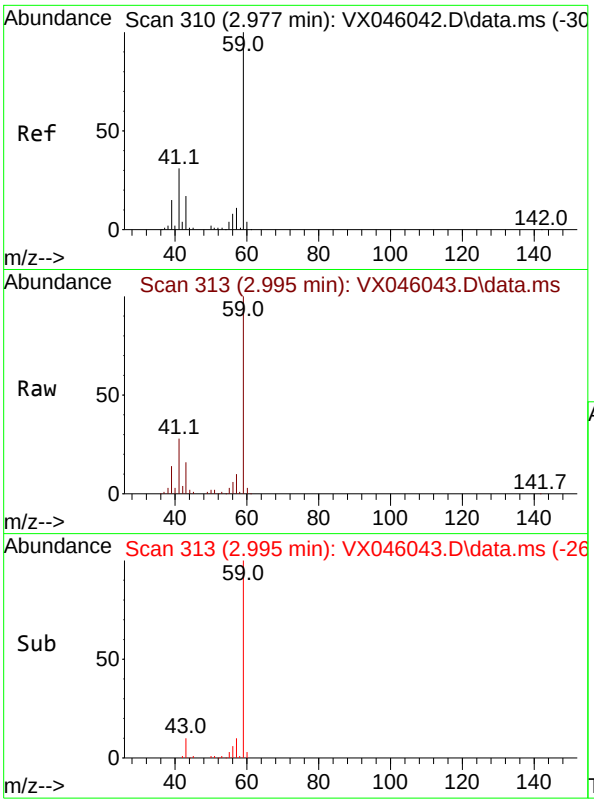


#10
Methyl Iodide
Concen: 77.943 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:142 Resp: 138045

Ion	Ratio	Lower	Upper
142	100		
127	52.0	41.7	62.5
141	14.5	11.5	17.3

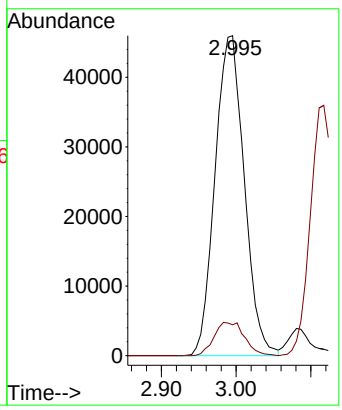




#11
Tert butyl alcohol
Concen: 405.394 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 59 Resp: 12509

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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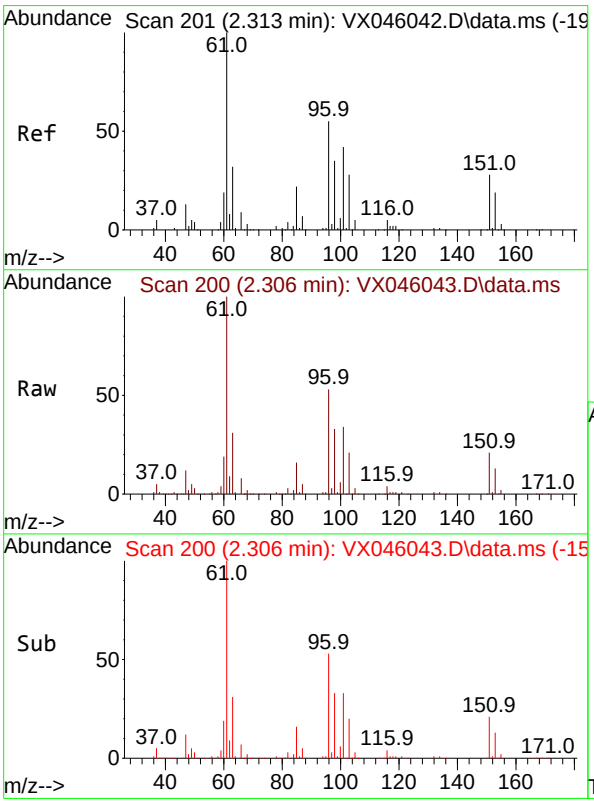
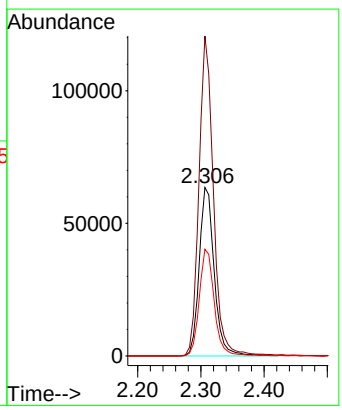
Supervised By :Mahesh Dadoda 05/06/2025

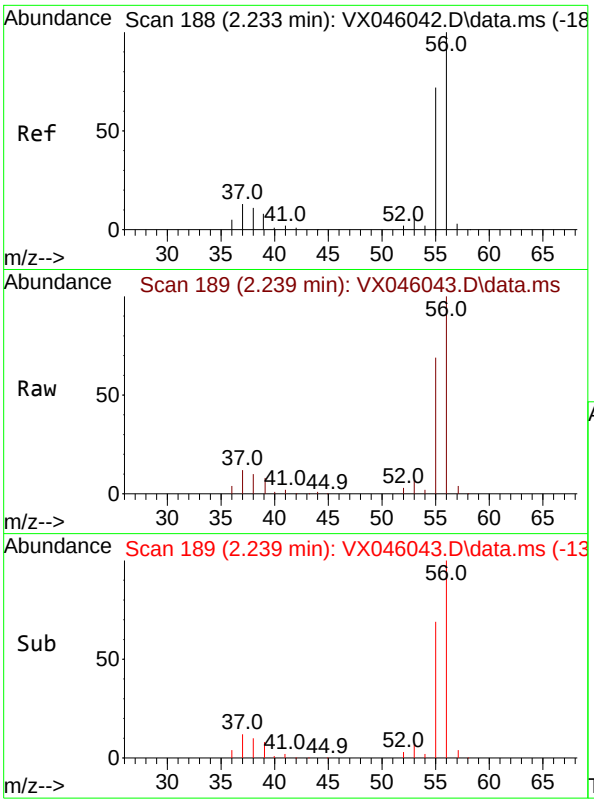


#12
1,1-Dichloroethene
Concen: 71.884 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 96 Resp: 105566

Ion	Ratio	Lower	Upper
96	100		
61	189.9	146.2	219.2
98	63.3	51.0	76.6

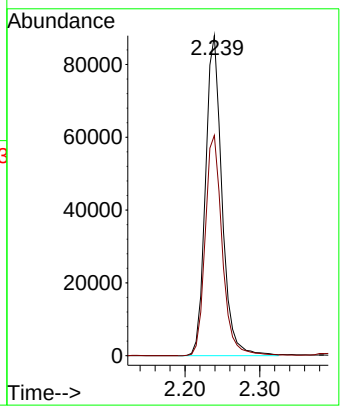




#13
Acrolein
Concen: 375.132 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 56 Resp: 13445

Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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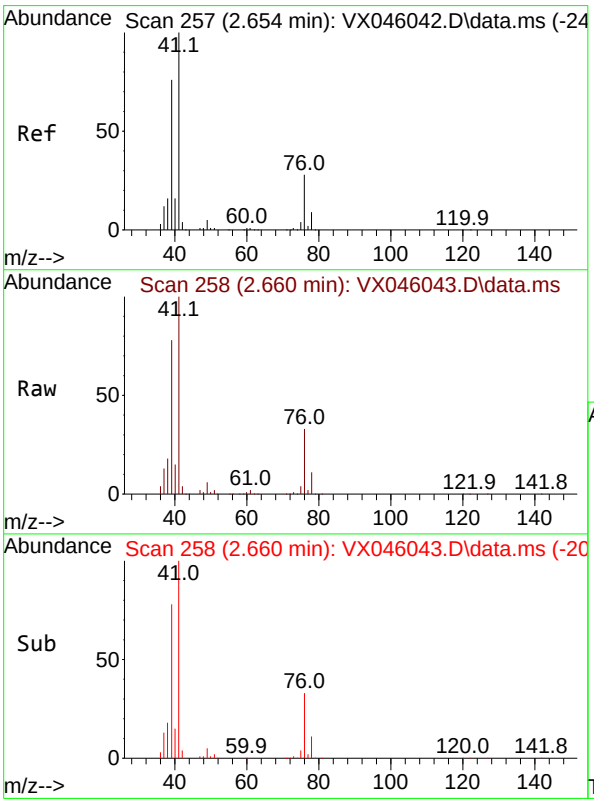
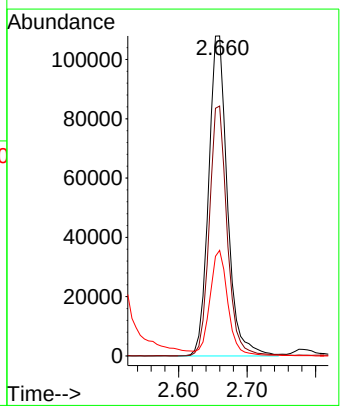
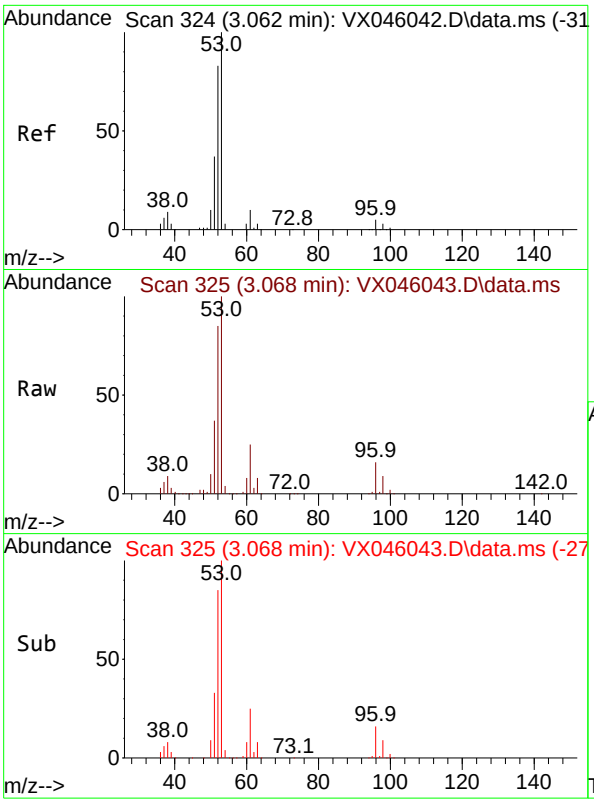


#14
Allyl chloride
Concen: 74.419 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 41 Resp: 206519

Ion	Ratio	Lower	Upper
41	100		
39	73.8	60.6	90.8
76	31.4	24.9	37.3

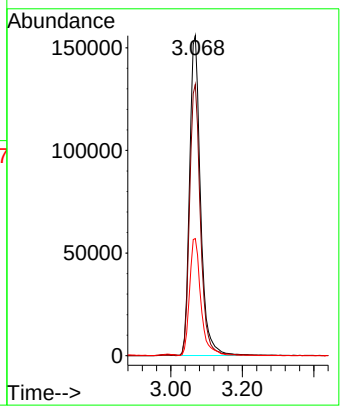




#15
Acrylonitrile
Concen: 358.723 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 53 Resp: 33114

Ion	Ratio	Lower	Upper
53	100		
52	84.7	65.3	97.9
51	37.9	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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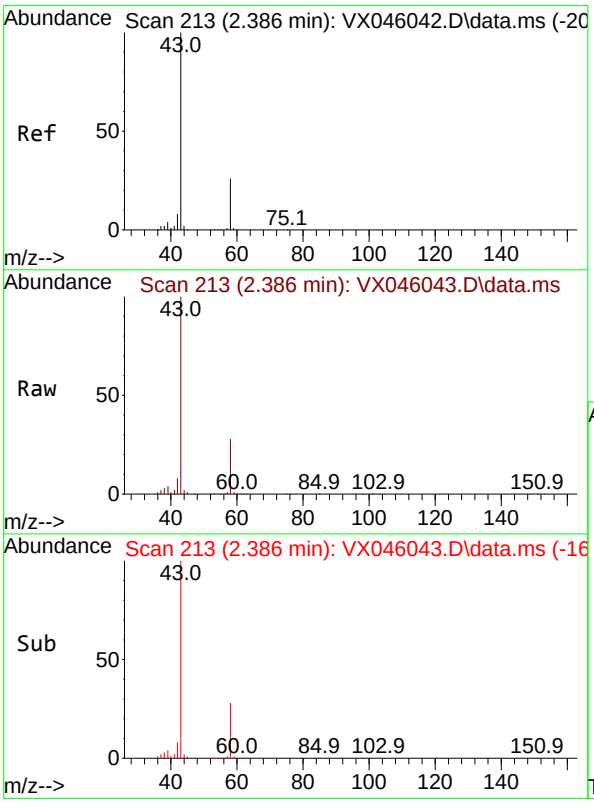
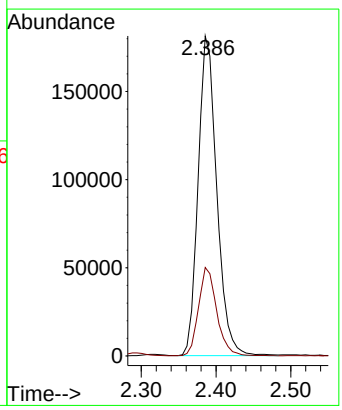
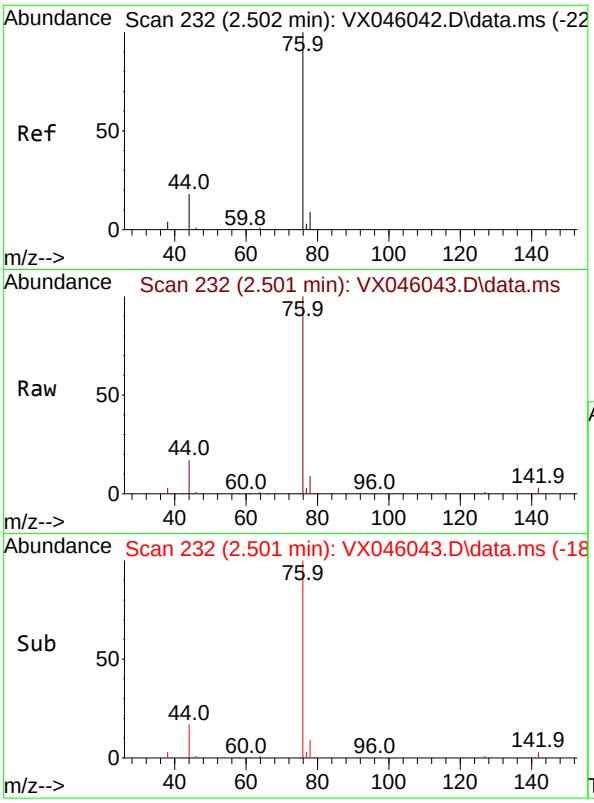


#16
Acetone
Concen: 354.936 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 314383

Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.2	31.8

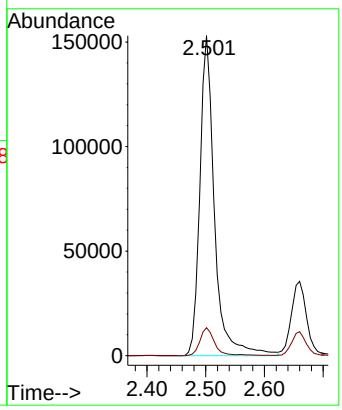




#17
Carbon Disulfide
Concen: 77.867 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 76 Resp: 26495

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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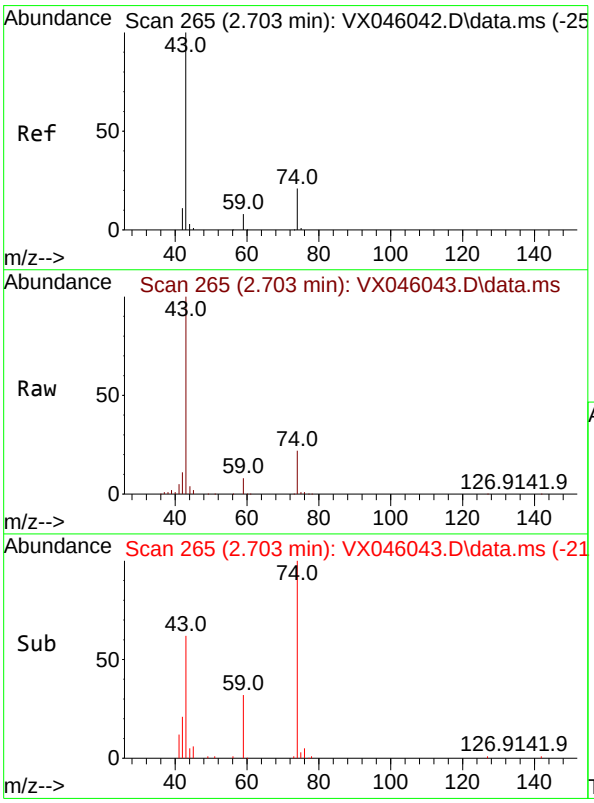
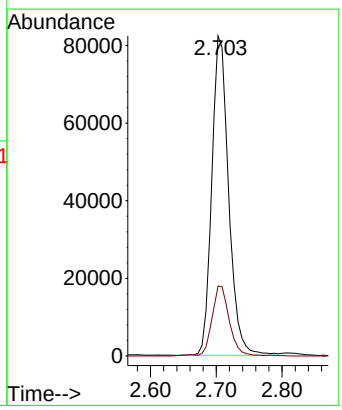
Supervised By :Mahesh Dadoda 05/06/2025

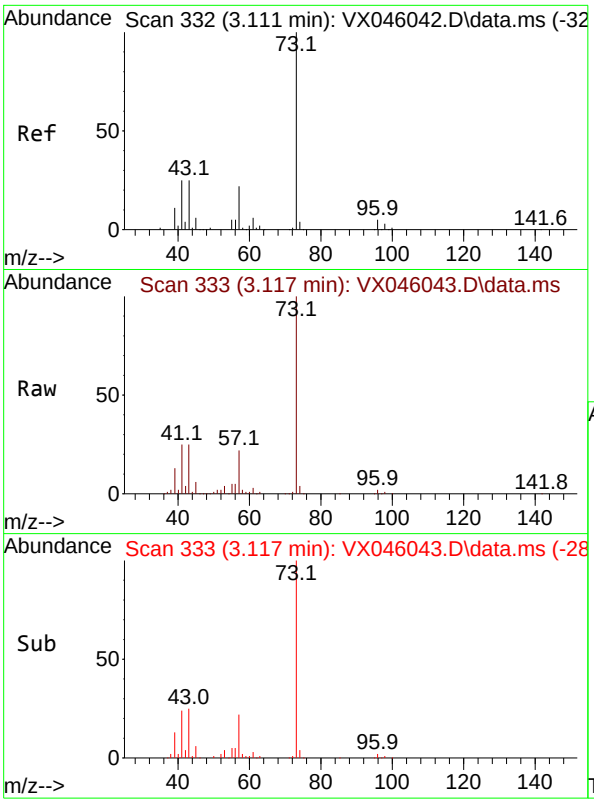


#18
Methyl Acetate
Concen: 69.531 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 147014

Ion	Ratio	Lower	Upper
43	100		
74	22.6	16.7	25.1

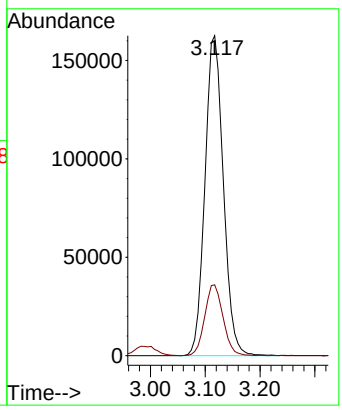




#19
Methyl tert-butyl Ether
Concen: 73.818 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 73 Resp: 37811

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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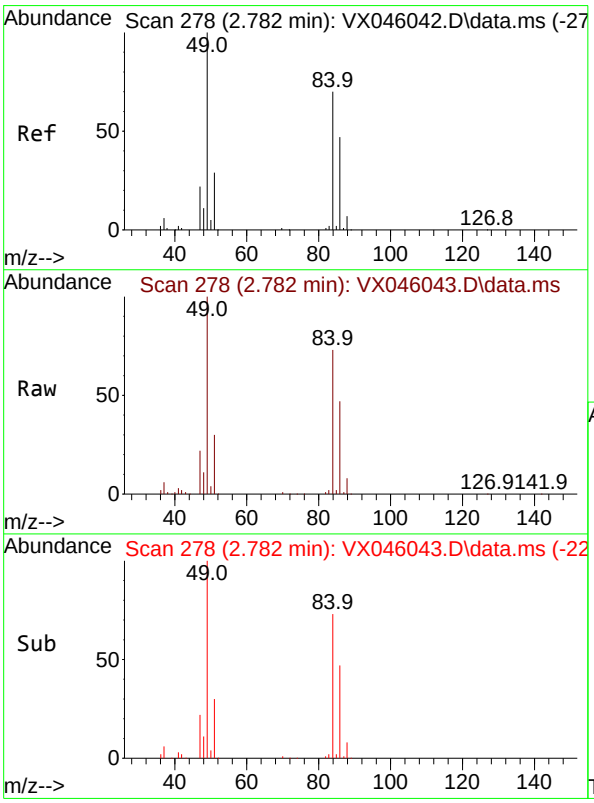
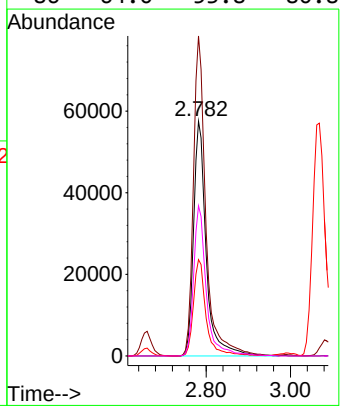
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

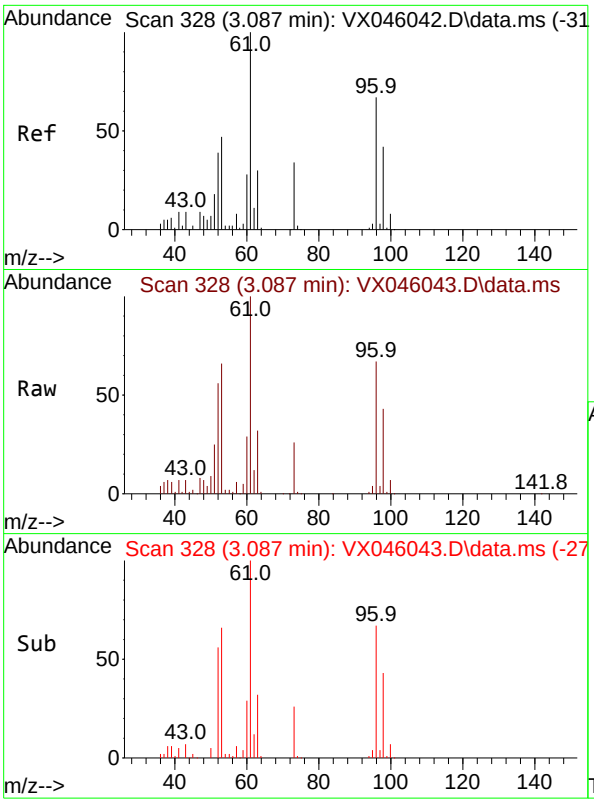


#20
Methylene Chloride
Concen: 67.030 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 84 Resp: 120270

Ion	Ratio	Lower	Upper
84	100		
49	136.4	113.9	170.9
51	41.1	33.5	50.3
86	64.0	53.8	80.8

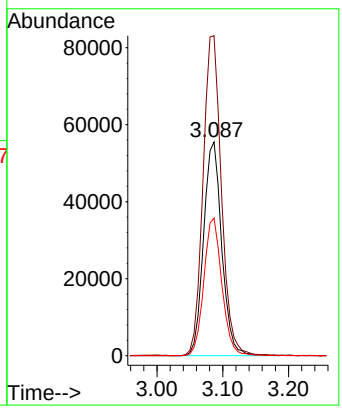




#21
trans-1,2-Dichloroethene
Concen: 71.109 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 96 Resp: 10660

Ion	Ratio	Lower	Upper
96	100		
61	149.7	119.5	179.3
98	64.4	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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Reviewed By :John Carlone 05/06/2025
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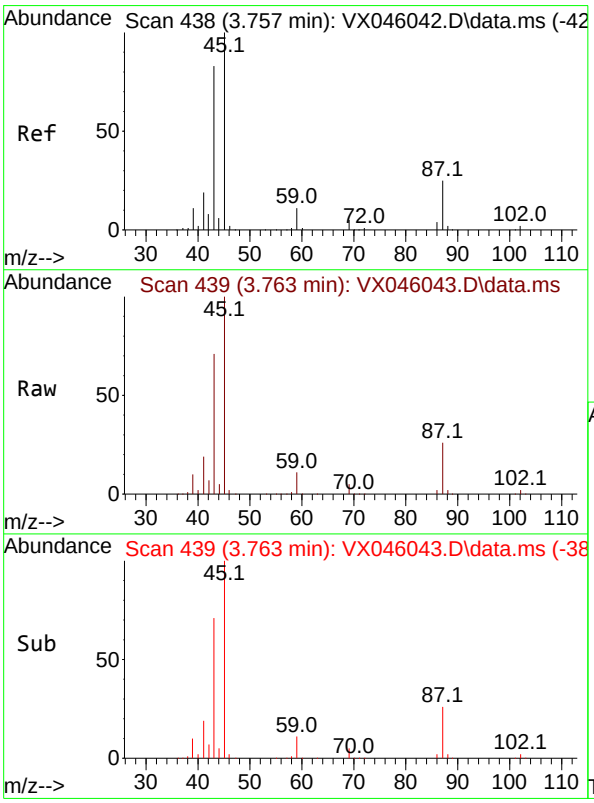
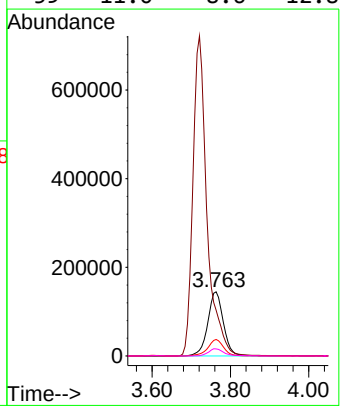
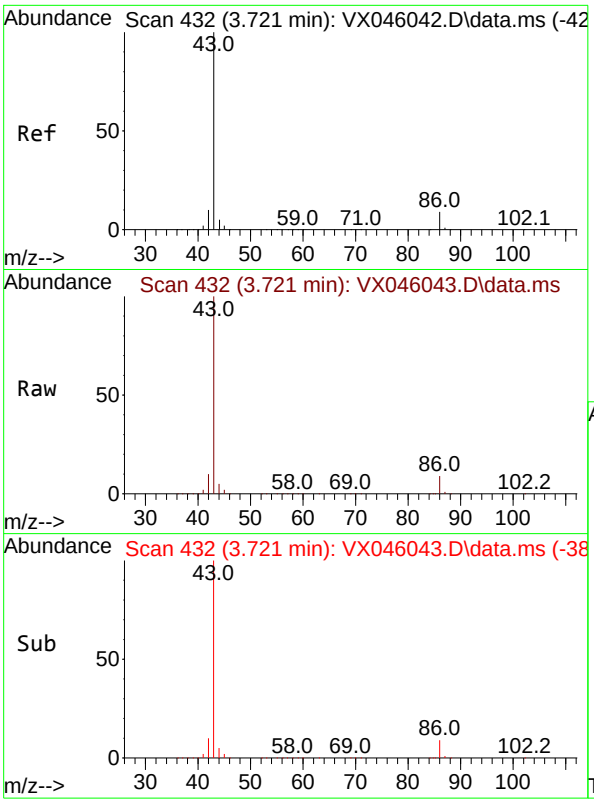


#22
Diisopropyl ether
Concen: 77.048 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 45 Resp: 399494

Ion	Ratio	Lower	Upper
45	100		
43	71.2	66.6	100.0
87	25.7	19.8	29.6
59	11.0	8.6	12.8

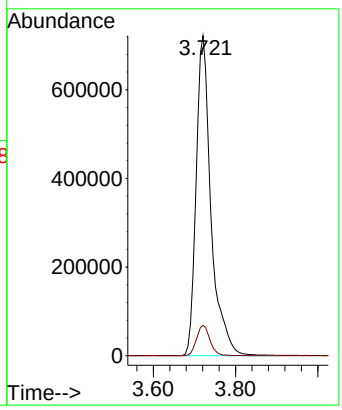




#23
Vinyl Acetate
Concen: 395.363 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 181155

Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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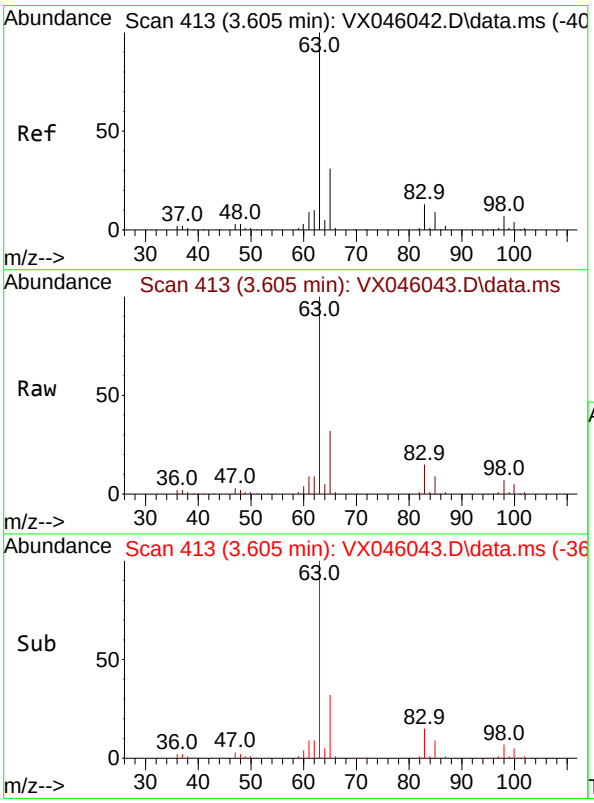
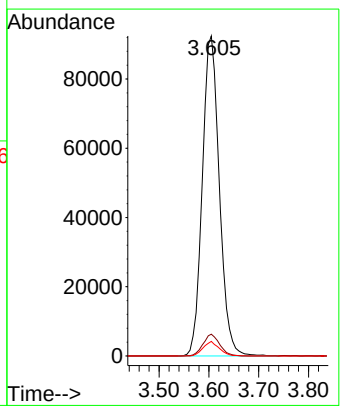
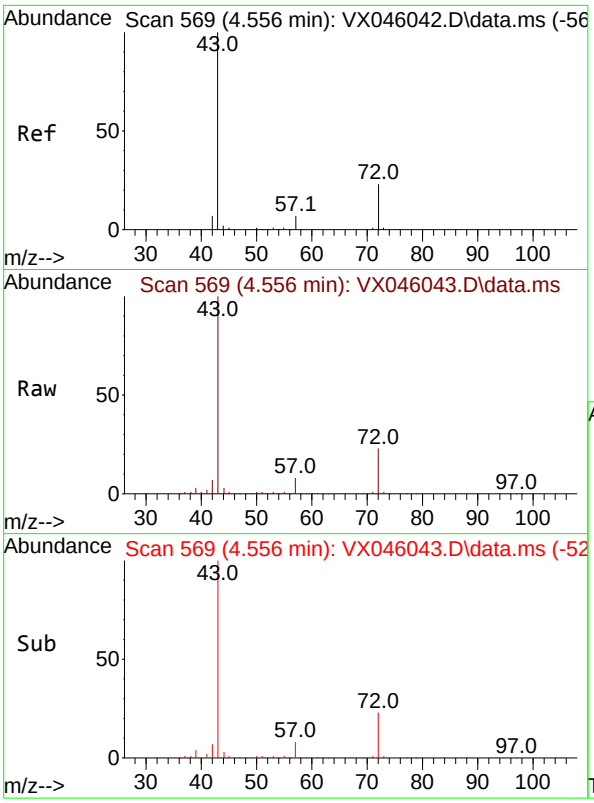


#24
1,1-Dichloroethane
Concen: 72.114 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 219759

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.6	10.8
100	4.5	2.1	6.3

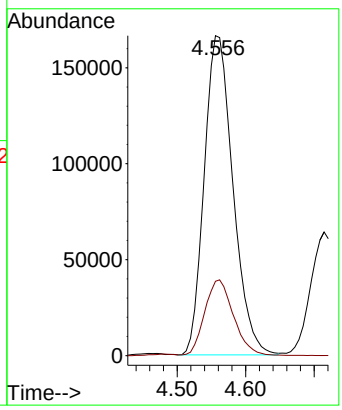




#25
2-Butanone
Concen: 379.704 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 48544

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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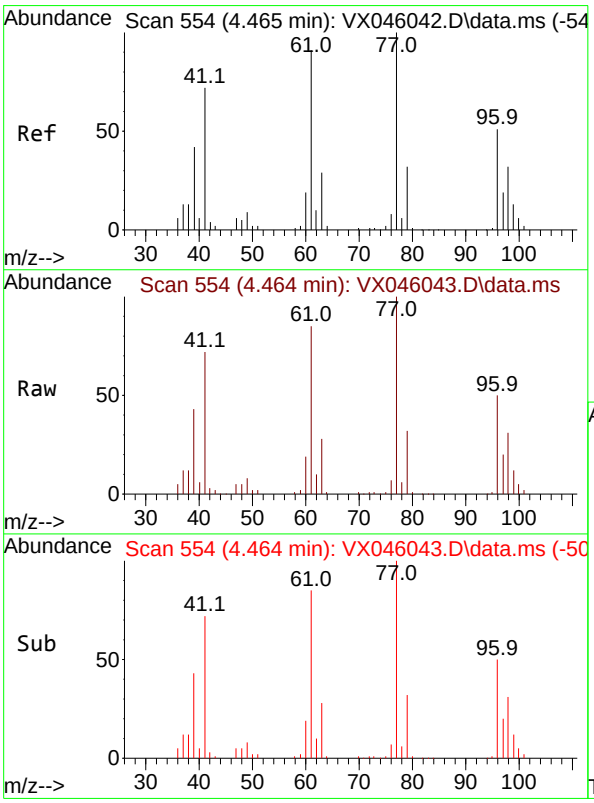
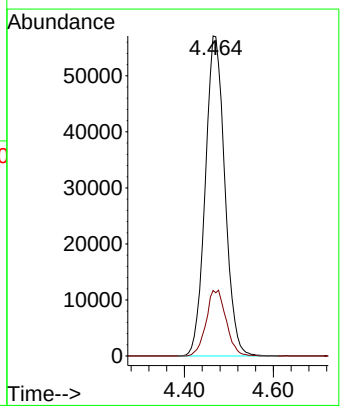
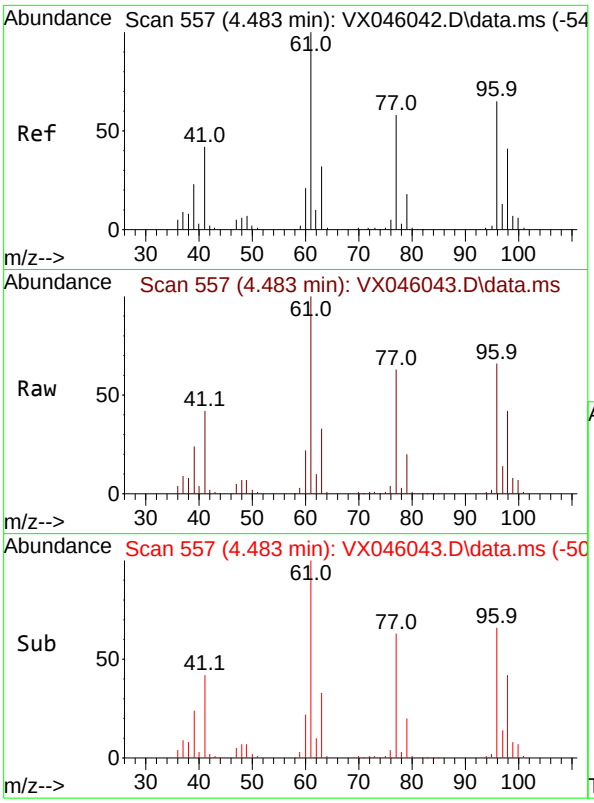


#26
2,2-Dichloropropane
Concen: 75.621 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 77 Resp: 174579

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 71.056 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 96 Resp: 12845

Ion	Ratio	Lower	Upper
96	100		
61	160.1	0.0	322.8
98	64.9	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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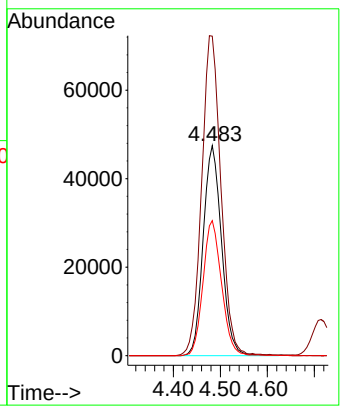
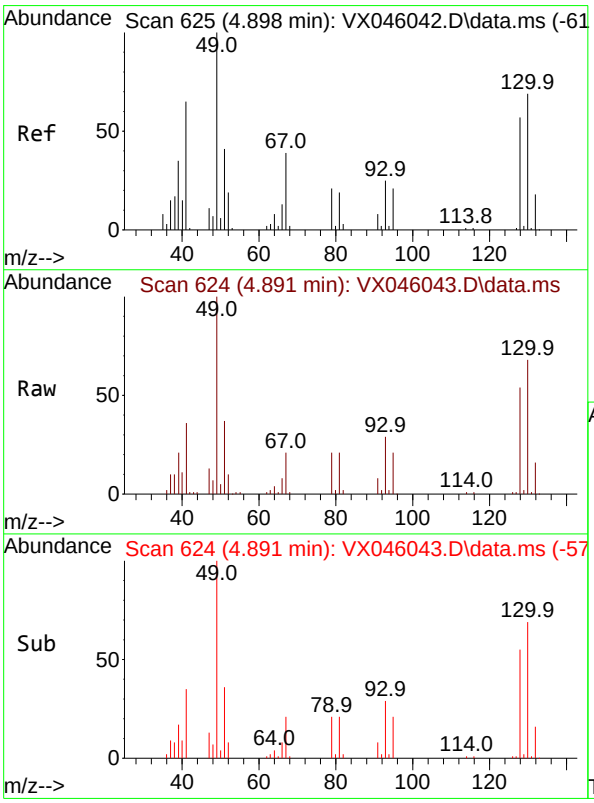
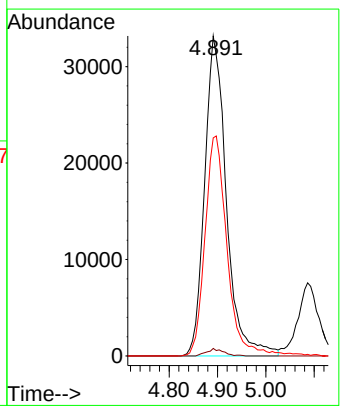


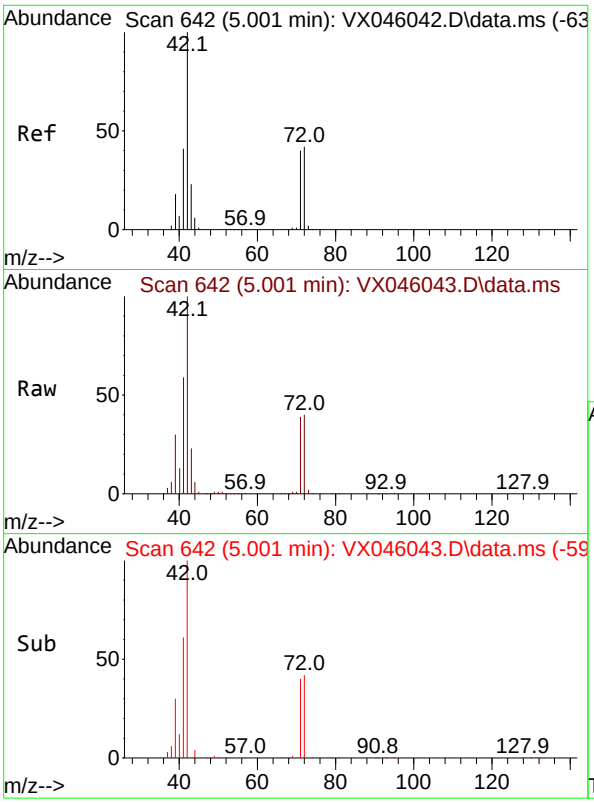


#28
Bromochloromethane
Concen: 63.932 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 49 Resp: 103602

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	70.1	56.2	84.2





#29
Tetrahydrofuran
Concen: 368.234 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 42 Resp: 30575

Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	38.7	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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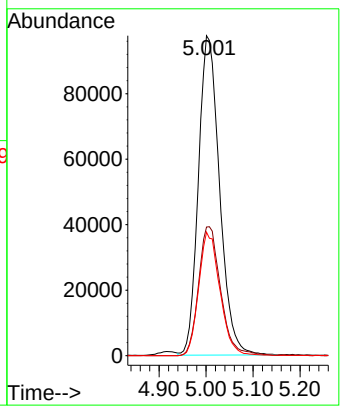
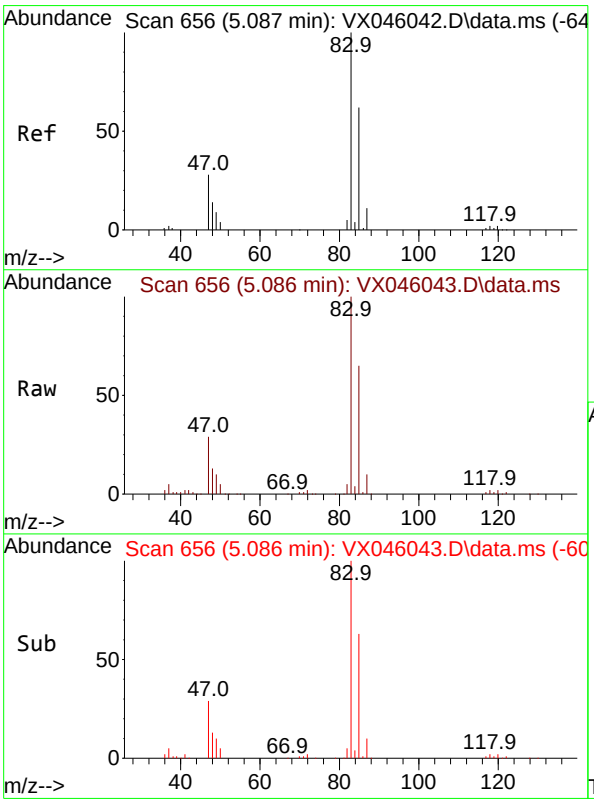
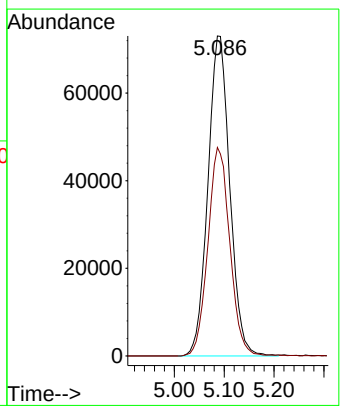


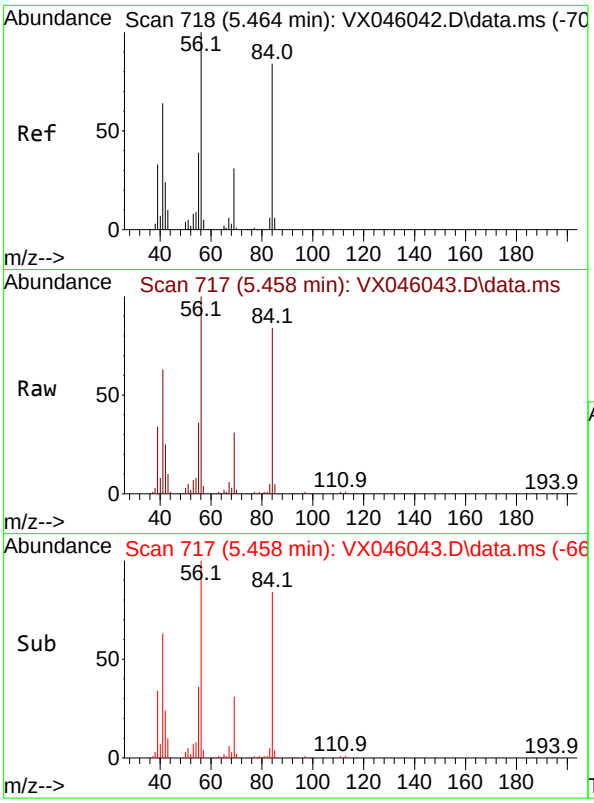


#30
Chloroform
Concen: 70.180 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 222253

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.3	73.9

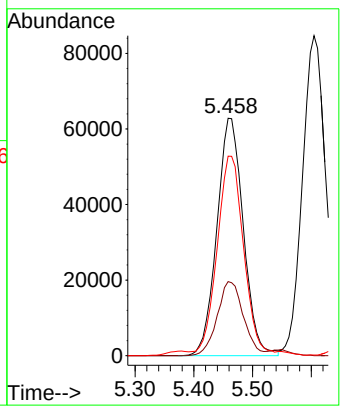




#31
Cyclohexane
Concen: 76.428 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 56 Resp: 19630

Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.4	36.6
84	82.3	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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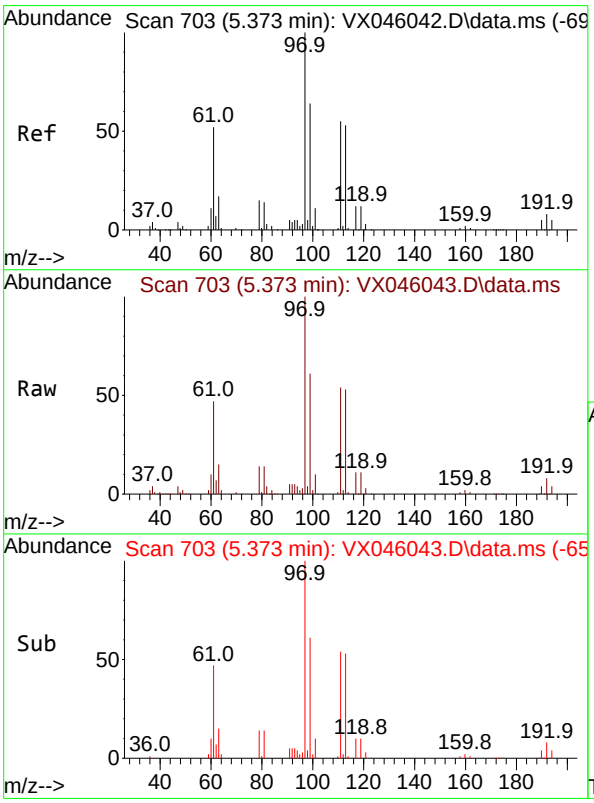
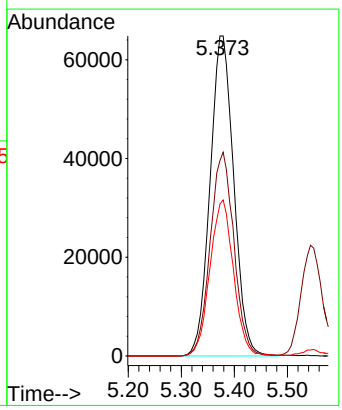
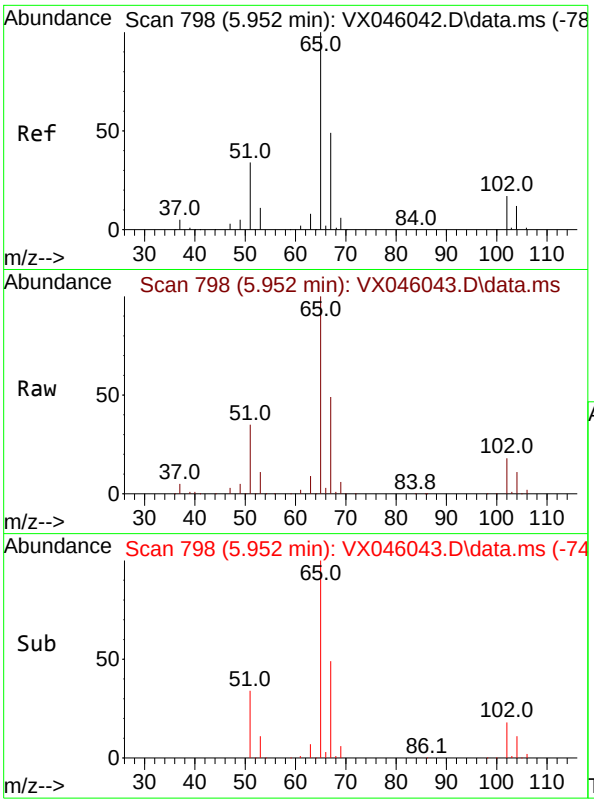


#32
1,1,1-Trichloroethane
Concen: 73.635 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 97 Resp: 201112

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.6
61	48.7	40.1	60.1

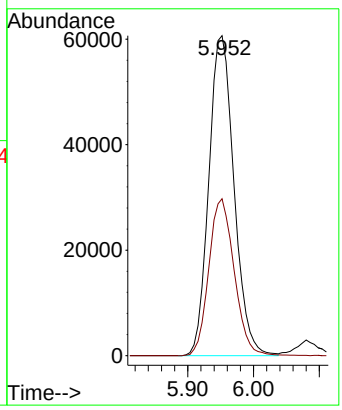




#33
1,2-Dichloroethane-d4
Concen: 62.526 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 65 Resp: 16187

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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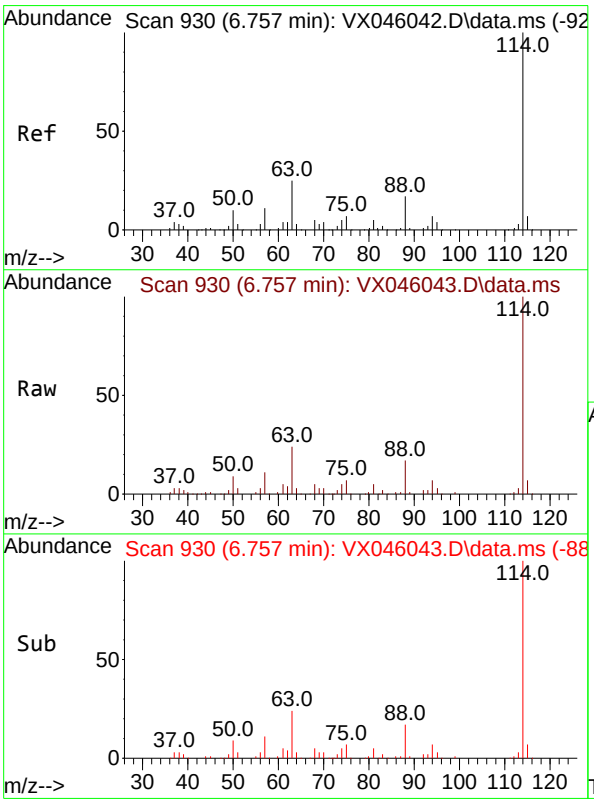
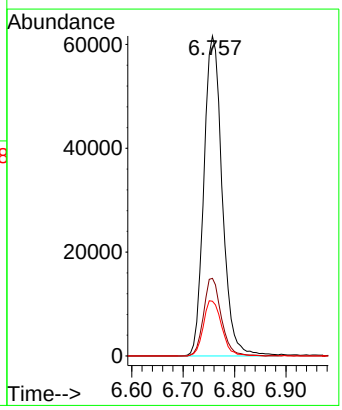
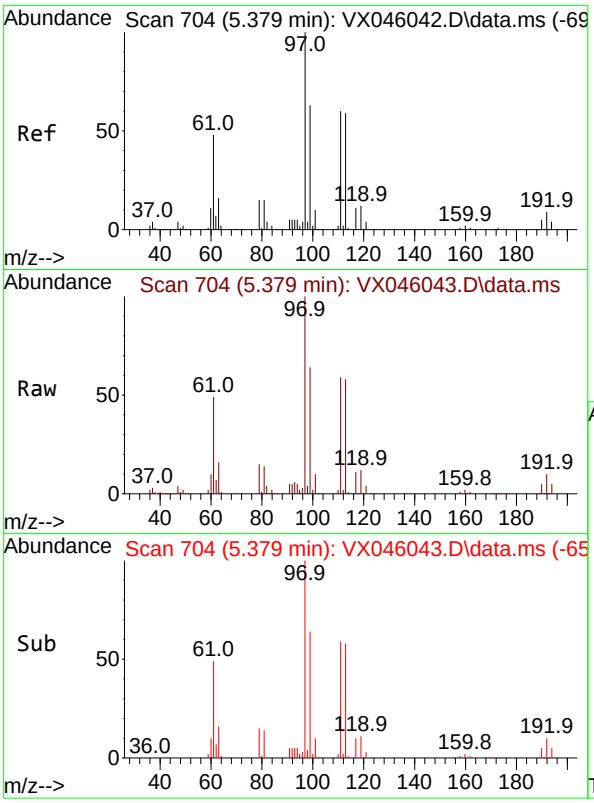


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:114 Resp: 152958

Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	49.2
88	17.1	0.0	33.6

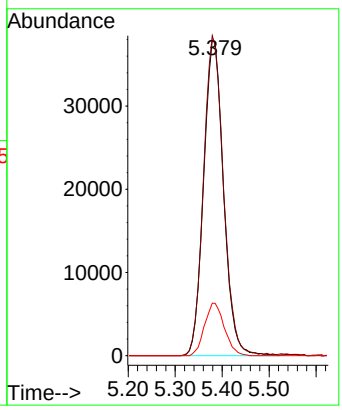




#35
Dibromofluoromethane
Concen: 65.006 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:113 Resp: 11145

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.1	124.7
192	16.6	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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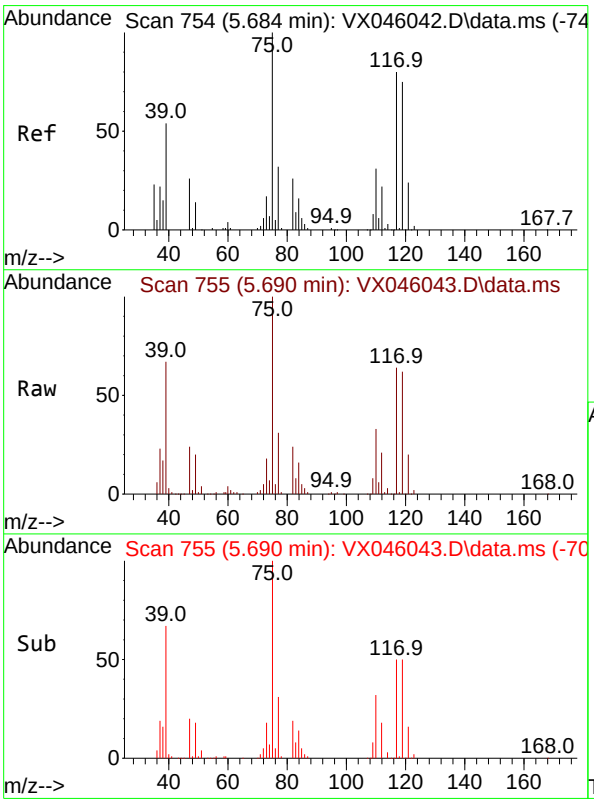
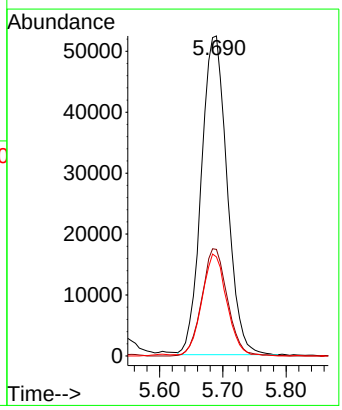
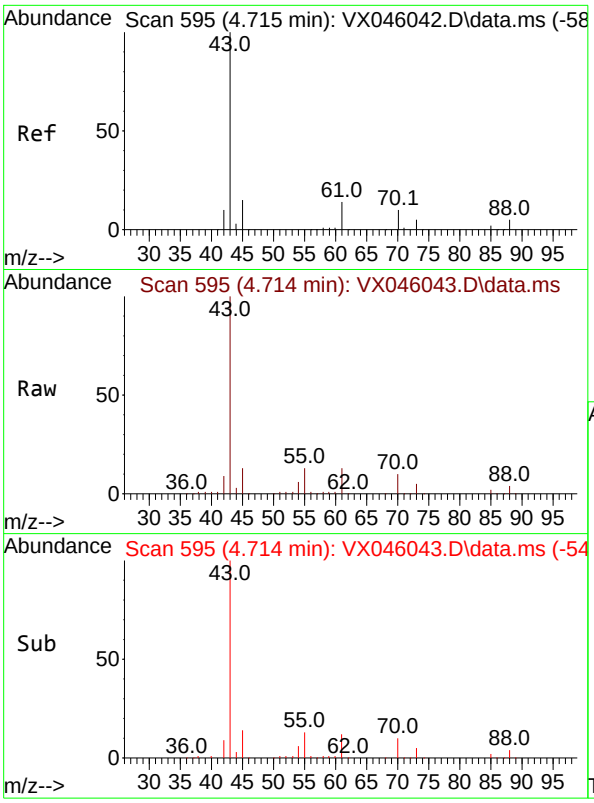


#36
1,1-Dichloropropene
Concen: 74.285 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 147873

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.3	48.9
77	31.1	24.3	36.5

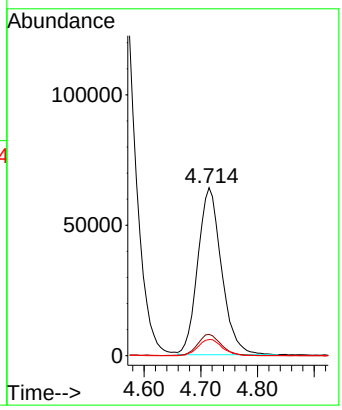




#37
Ethyl Acetate
Concen: 74.565 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 18621

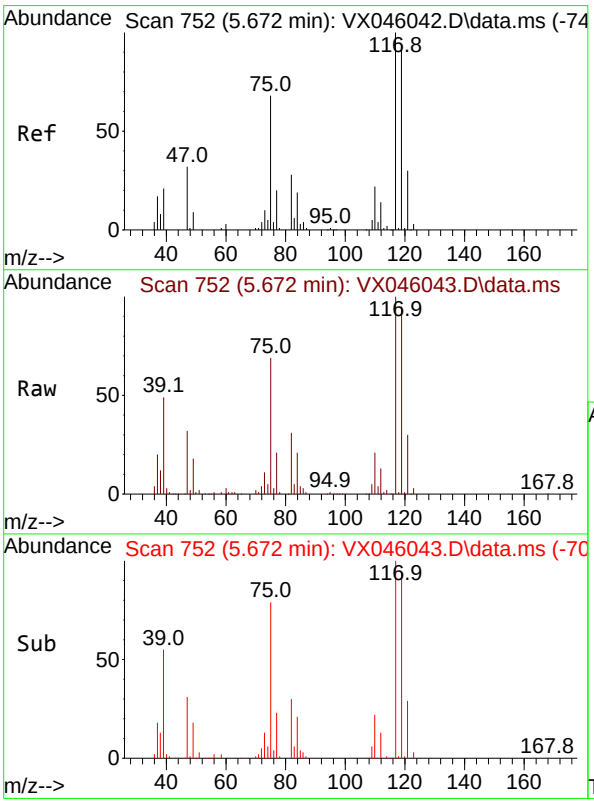
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.3	15.5
70	9.9	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

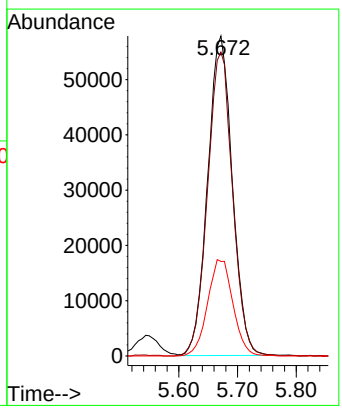
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

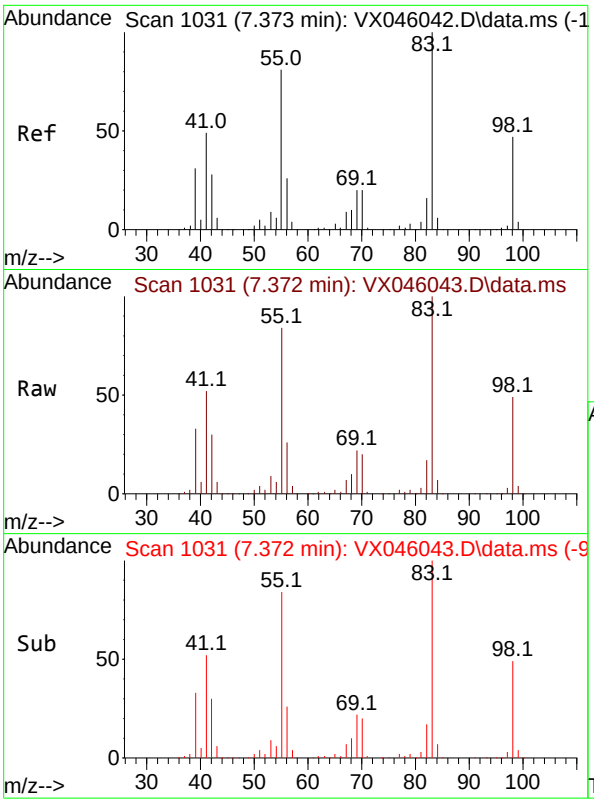


#38
Carbon Tetrachloride
Concen: 73.875 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 168946

Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.2	112.8
121	29.6	24.2	36.4

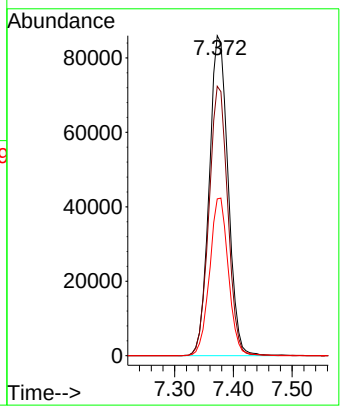




#39
Methylcyclohexane
Concen: 76.952 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 19194

Ion	Ratio	Lower	Upper
83	100		
55	84.2	64.7	97.1
98	49.0	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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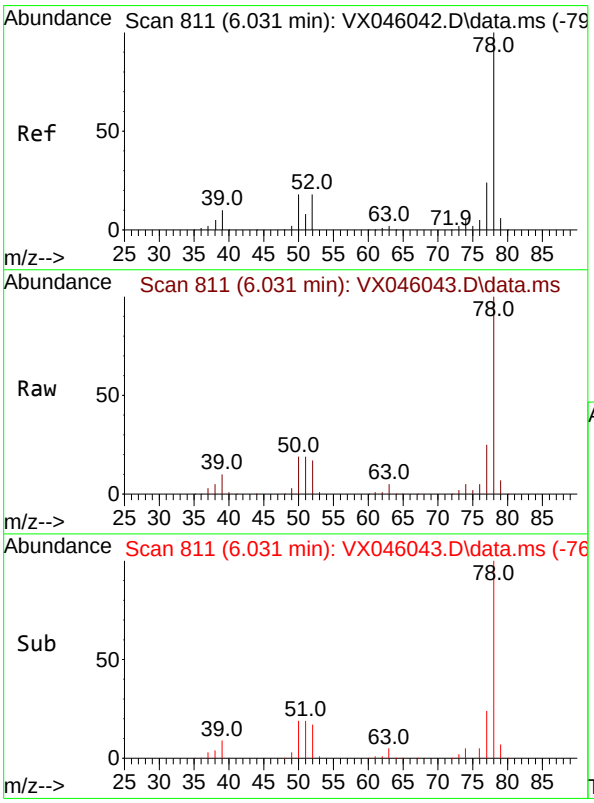
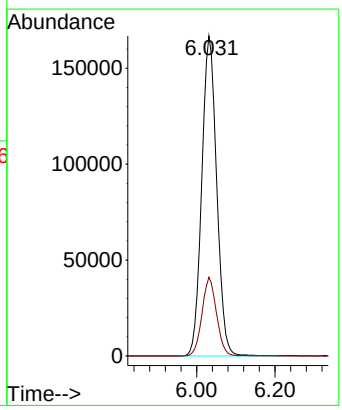
Supervised By :Mahesh Dadoda 05/06/2025

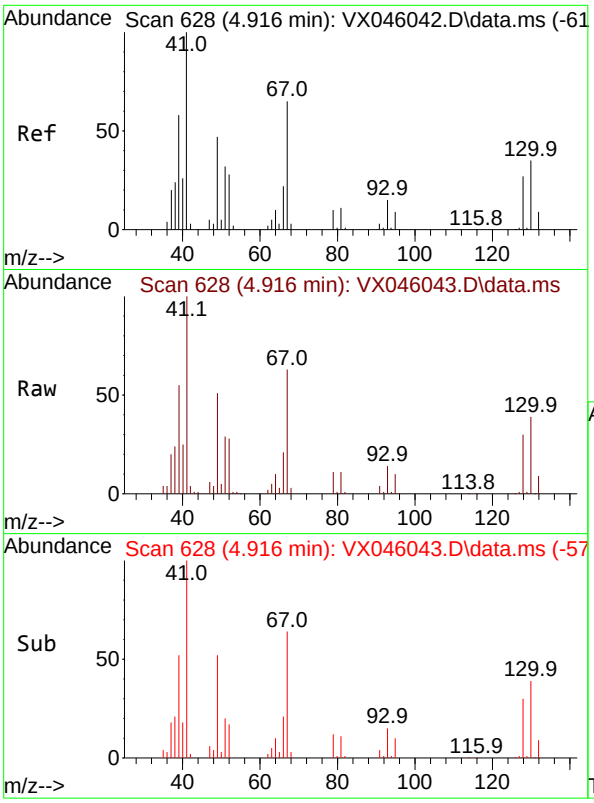


#40
Benzene
Concen: 71.457 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 78 Resp: 440885

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4

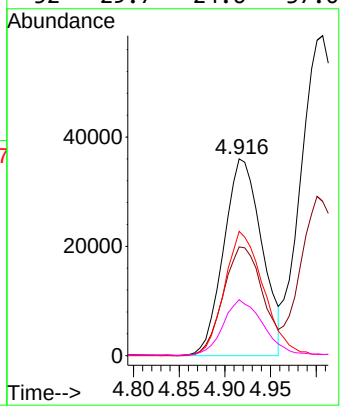




#41
Methacrylonitrile
Concen: 75.574 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 41 Resp: 10486

Ion	Ratio	Lower	Upper
41	100		
39	57.0	47.2	70.8
67	64.6	50.7	76.1
52	29.7	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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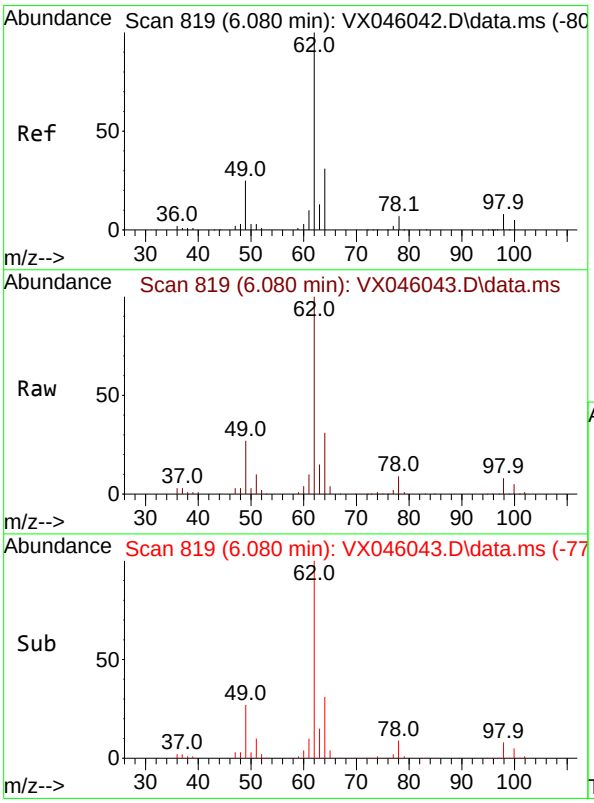
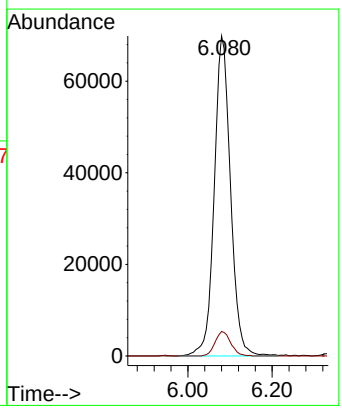
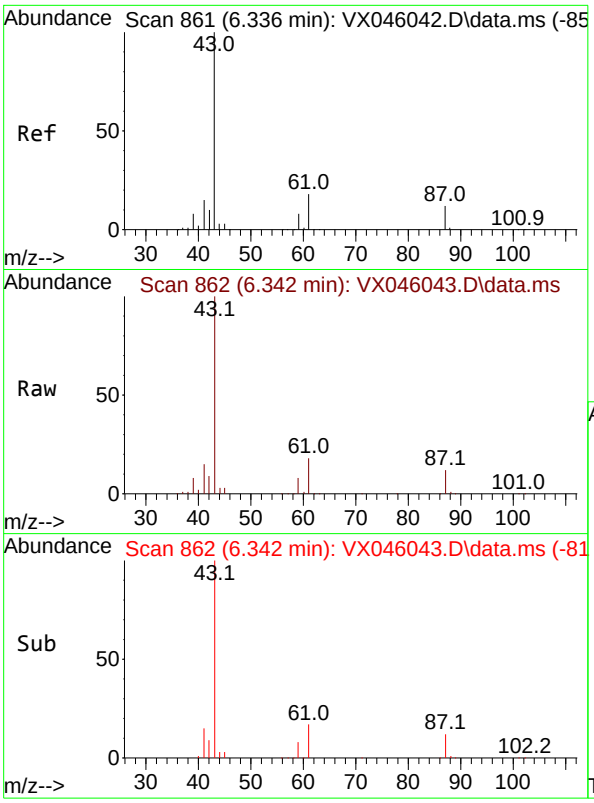


#42
1,2-Dichloroethane
Concen: 73.318 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 62 Resp: 187036

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2

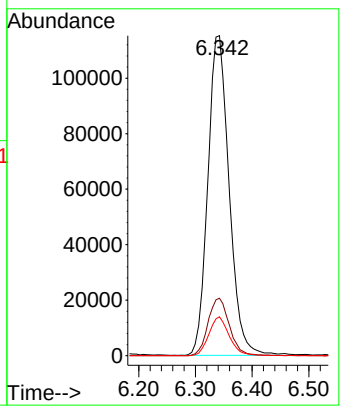




#43
Isopropyl Acetate
Concen: 78.714 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 30049

Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.3	21.5
87	11.6	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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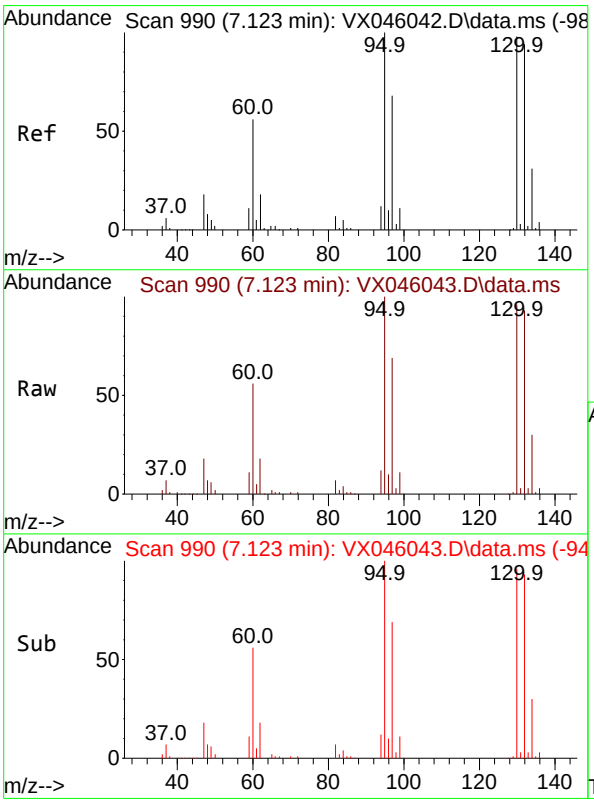
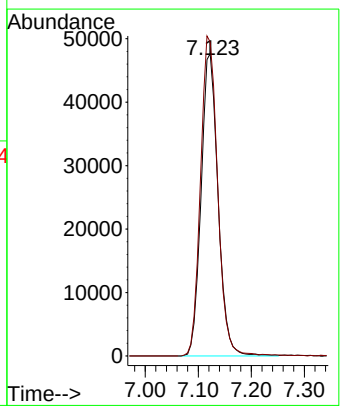
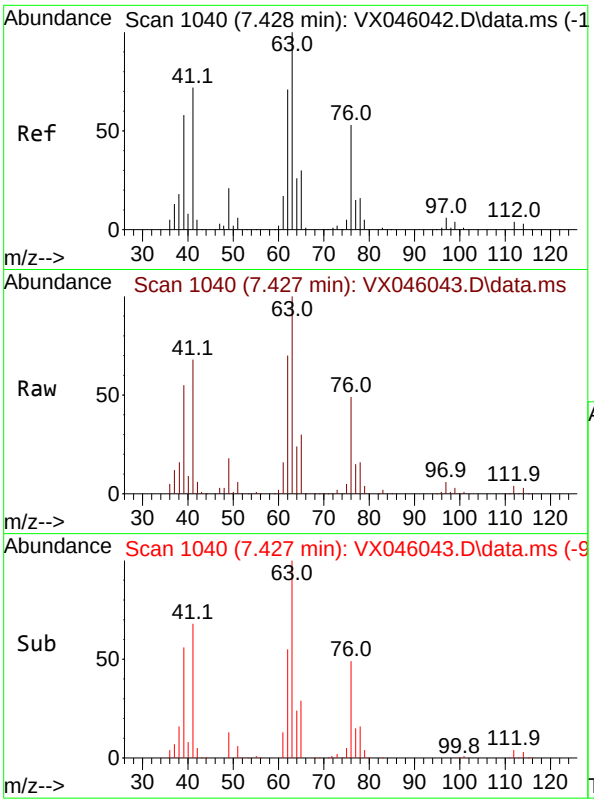


#44
Trichloroethene
Concen: 72.420 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:130 Resp: 105628

Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	204.2

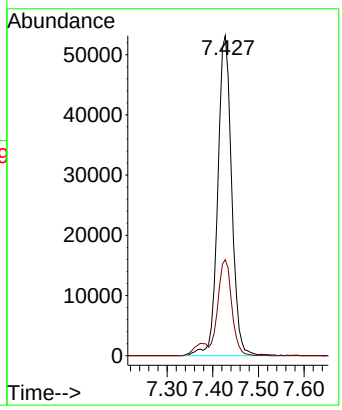




#45
1,2-Dichloropropane
Concen: 73.420 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 11255

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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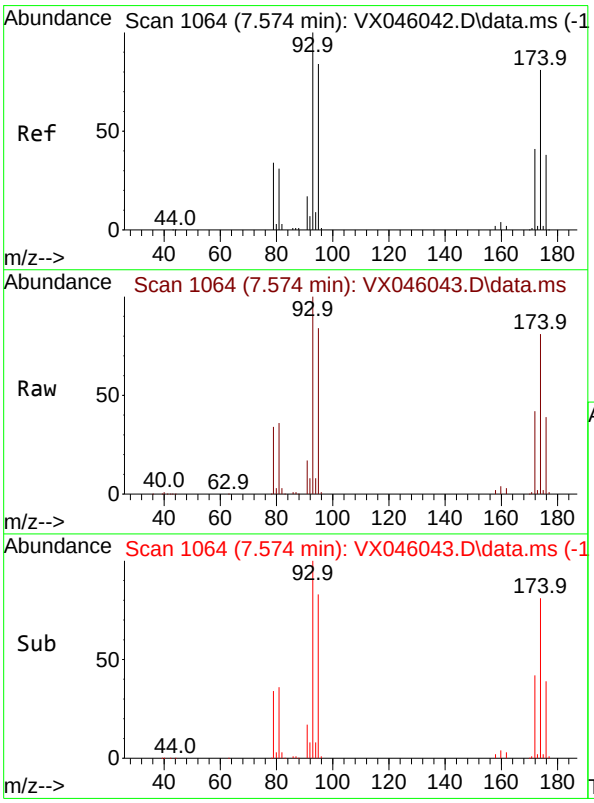
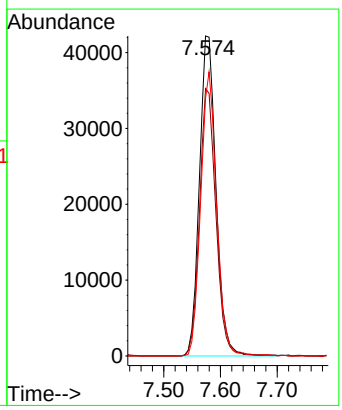
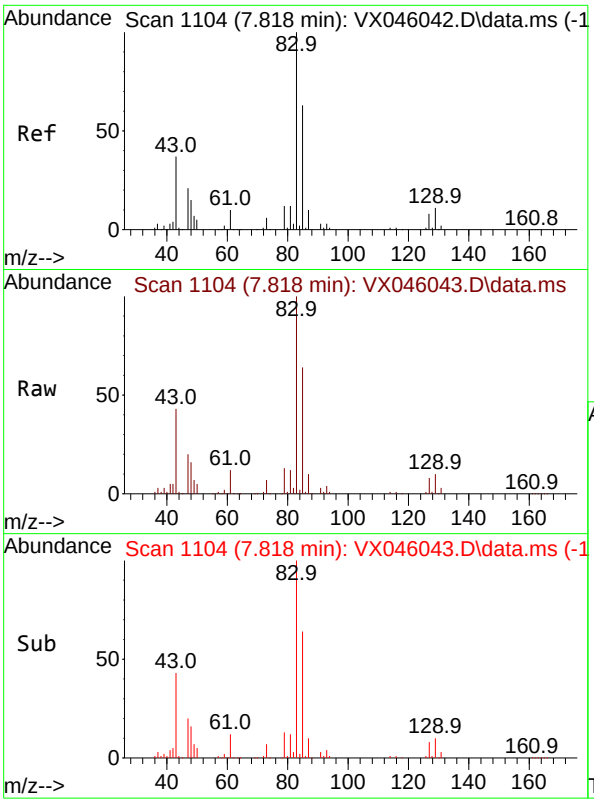


#46
Dibromomethane
Concen: 70.938 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 93 Resp: 85728

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.6	98.4
174	85.0	68.2	102.2

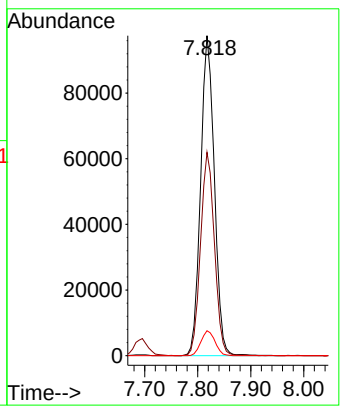




#47
Bromodichloromethane
Concen: 74.845 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 17530

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.5	75.7
127	7.8	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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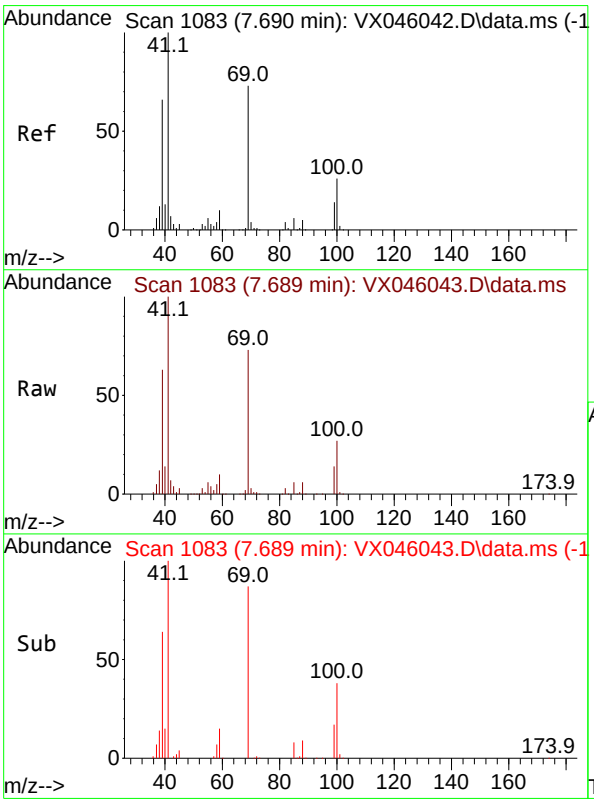
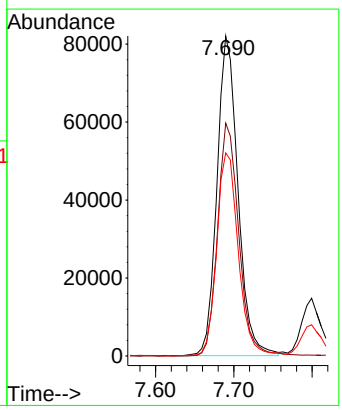
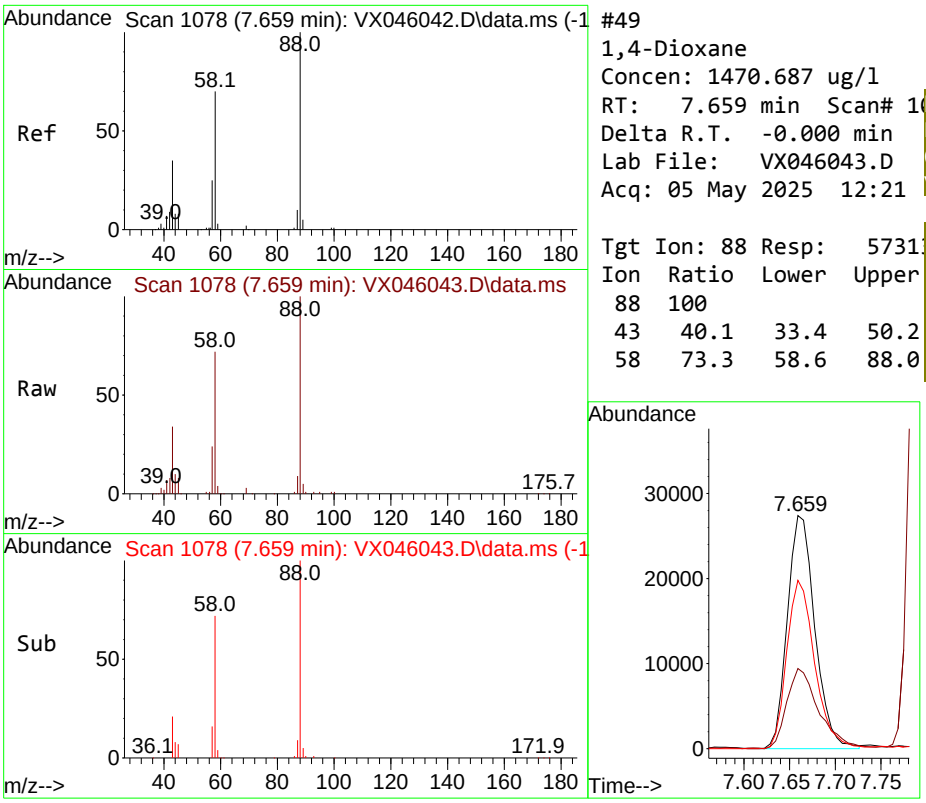


#48
Methyl methacrylate
Concen: 78.101 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 41 Resp: 153093

Ion	Ratio	Lower	Upper
41	100		
69	74.1	58.5	87.7
39	65.5	51.7	77.5





#49
1,4-Dioxane
Concen: 1470.687 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 88 Resp: 5731

Ion	Ratio	Lower	Upper
88	100		
43	40.1	33.4	50.2
58	73.3	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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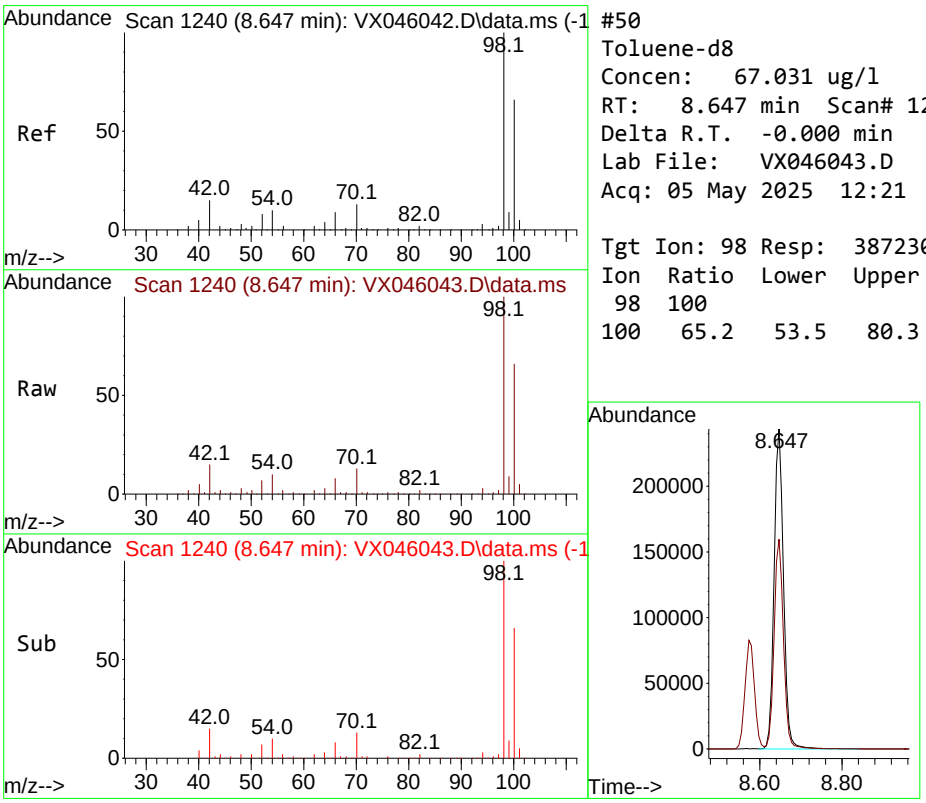
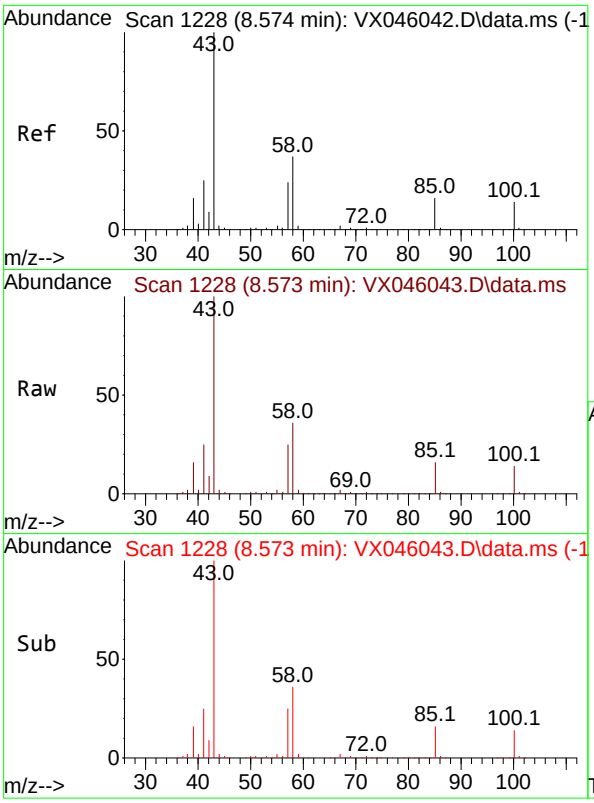
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#50
Toluene-d8
Concen: 67.031 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 98 Resp: 387230

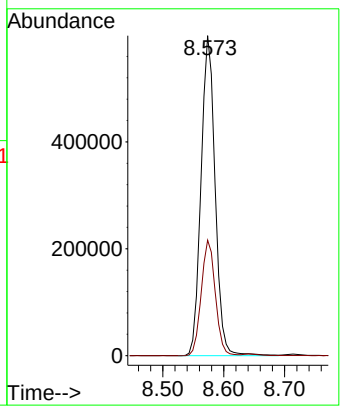
Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.5	80.3



#51
4-Methyl-2-Pentanone
Concen: 384.740 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 96331

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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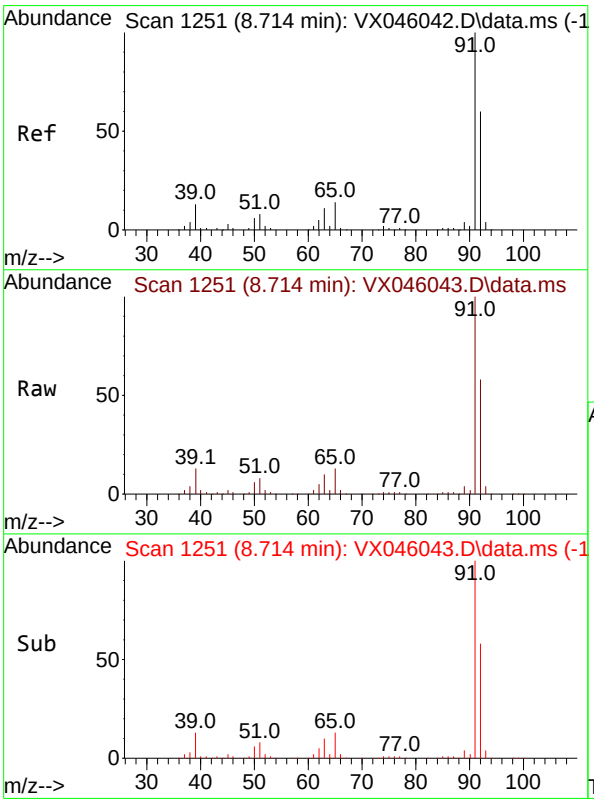
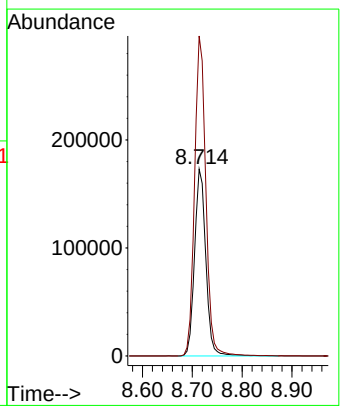
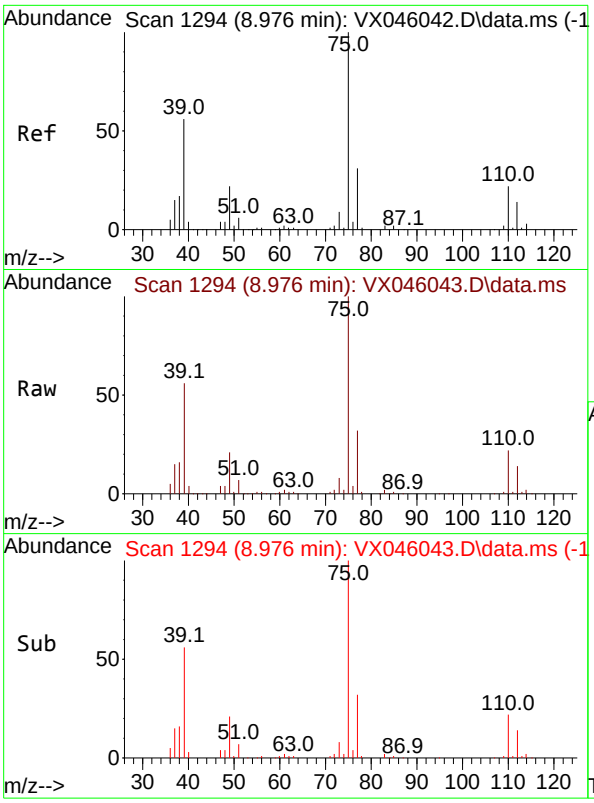


#52
Toluene
Concen: 74.010 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 92 Resp: 270763

Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.6	205.0

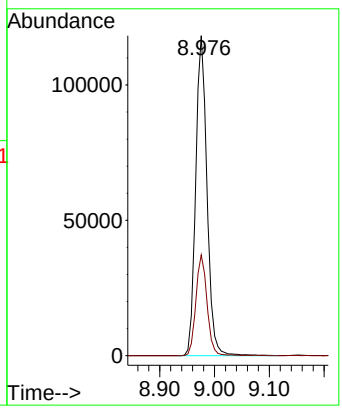




#53
t-1,3-Dichloropropene
Concen: 86.372 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 16986

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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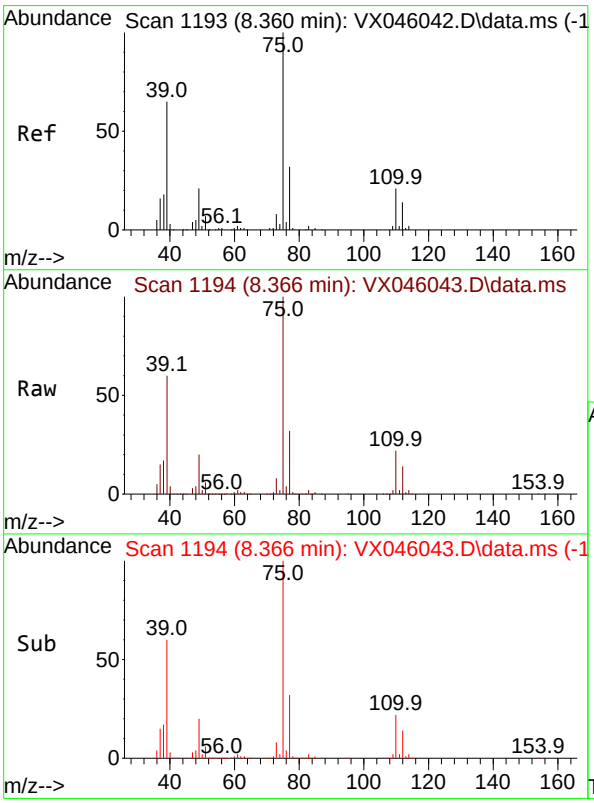
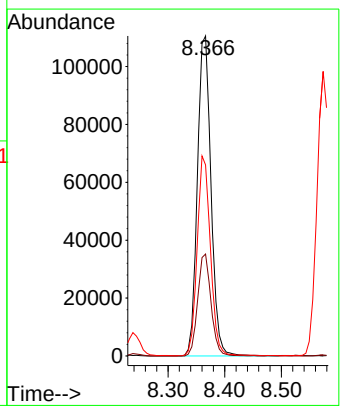
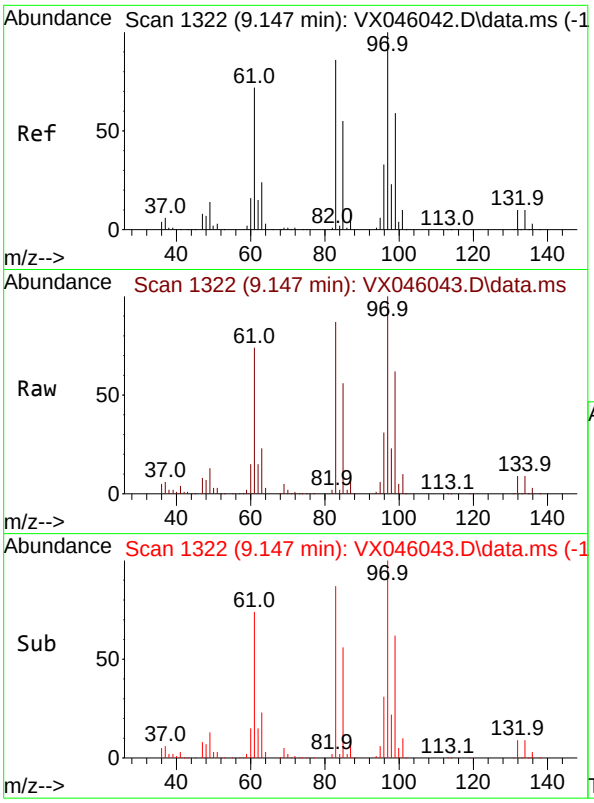


#54
cis-1,3-Dichloropropene
Concen: 80.264 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 184134

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	59.6	52.2	78.4

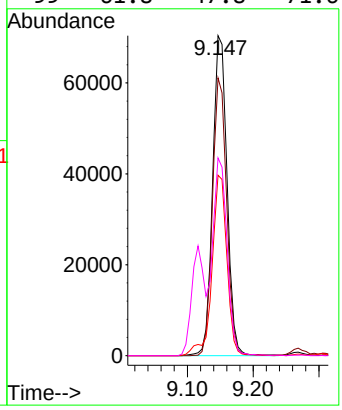




#55
1,1,2-Trichloroethane
Concen: 72.543 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 97 Resp: 10726

Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.0	103.6
85	56.4	44.3	66.5
99	61.8	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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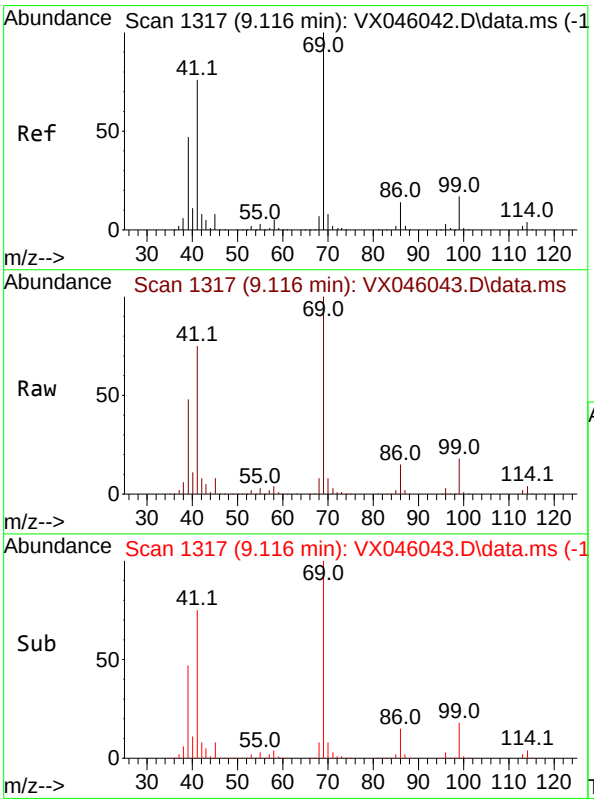
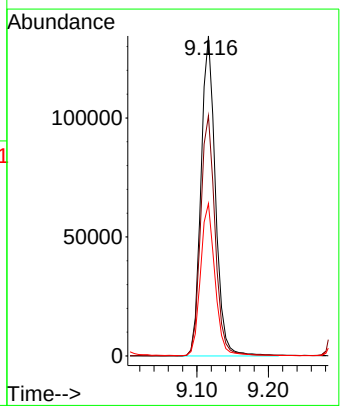
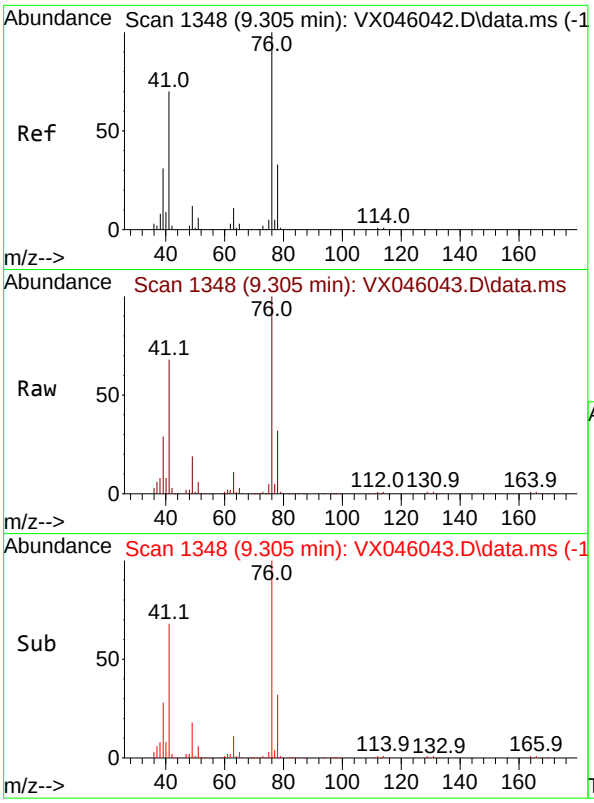


#56
Ethyl methacrylate
Concen: 82.359 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 69 Resp: 188717

Ion	Ratio	Lower	Upper
69	100		
41	75.7	60.8	91.2
39	47.7	39.0	58.6

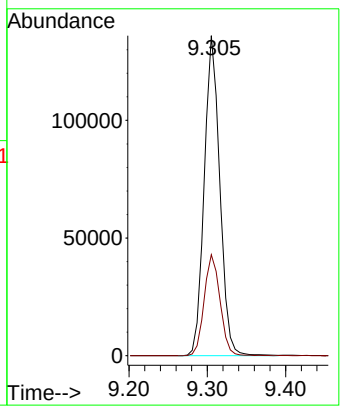




#57
1,3-Dichloropropane
Concen: 71.590 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 76 Resp: 18764

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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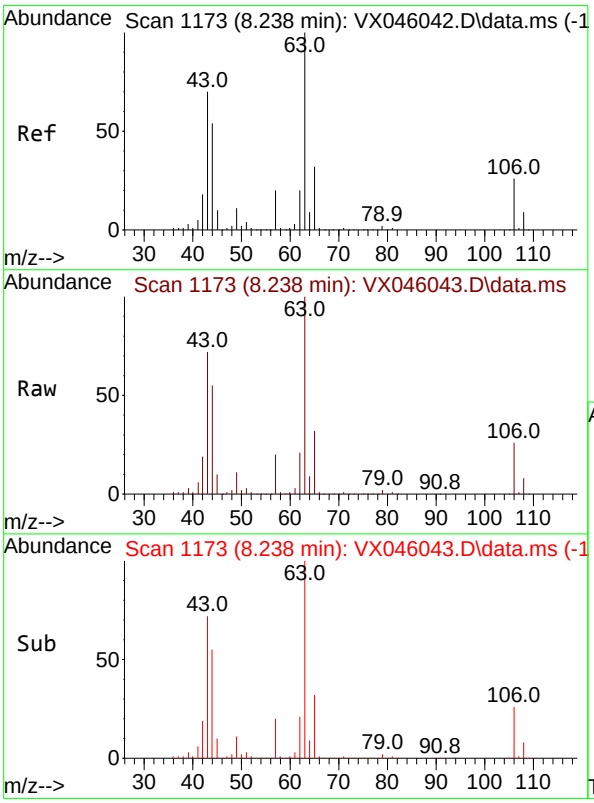
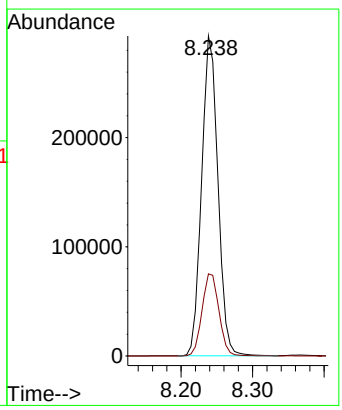
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

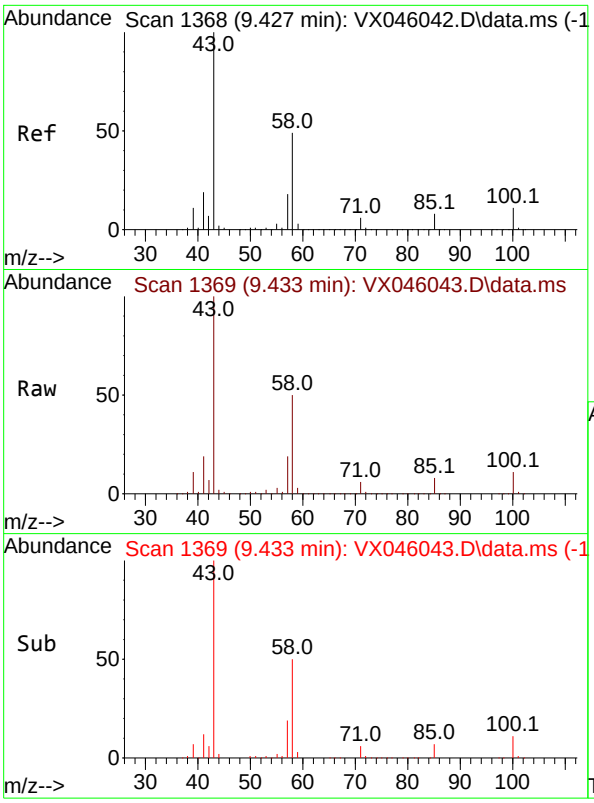


#58
2-Chloroethyl Vinyl ether
Concen: 449.791 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 463169

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3





#59
2-Hexanone
Concen: 383.945 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 72960

Ion	Ratio	Lower	Upper
43	100		
58	49.9	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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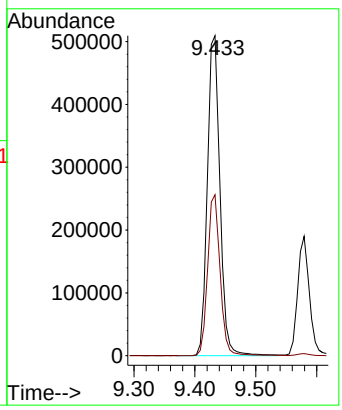
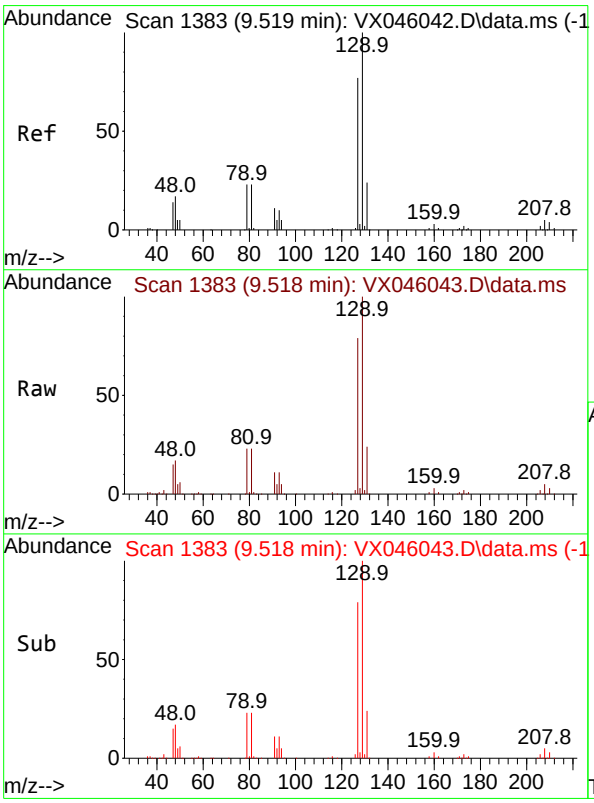
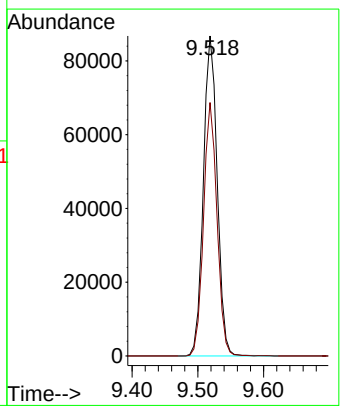


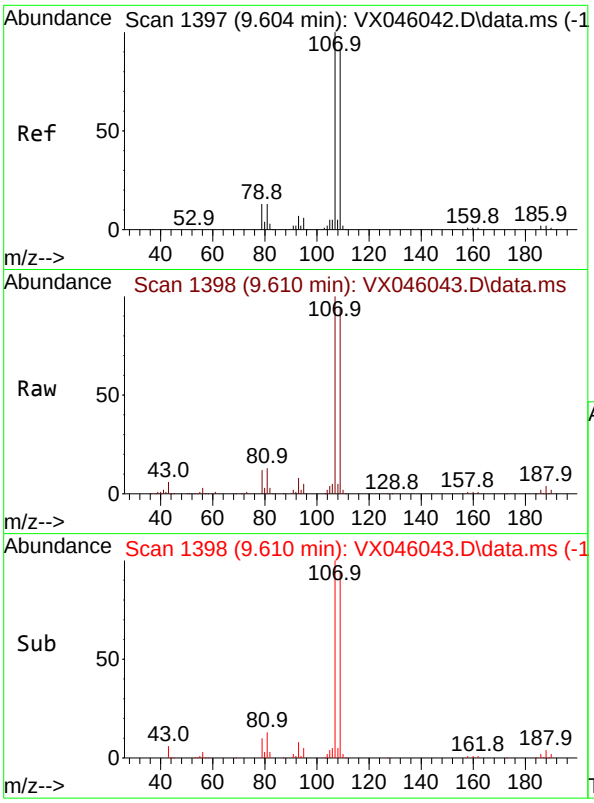


#60
Dibromochloromethane
Concen: 78.918 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:129 Resp: 127012

Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.3	117.8

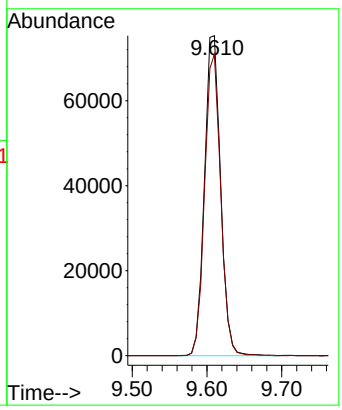




#61
1,2-Dibromoethane
Concen: 74.200 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:107 Resp: 11266

Ion	Ratio	Lower	Upper
107	100		
109	93.9	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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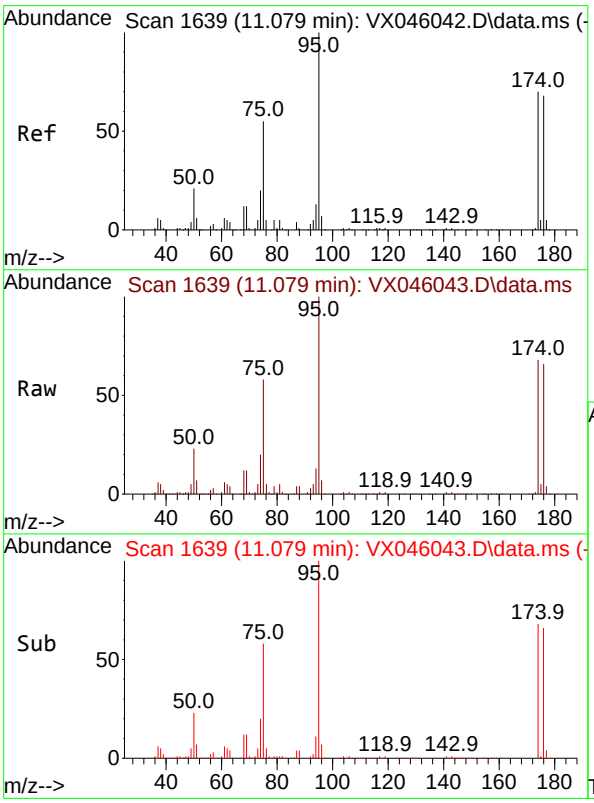
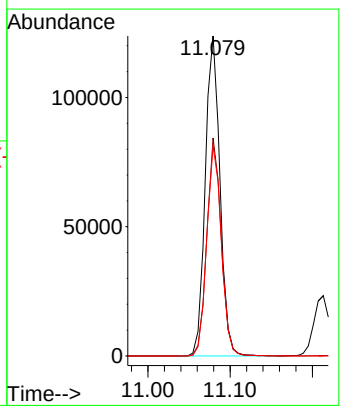
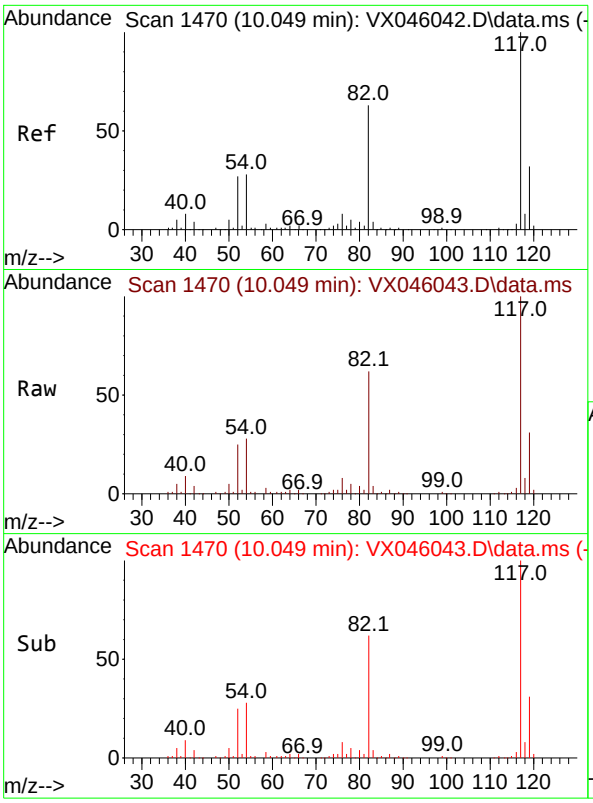


#62
4-Bromofluorobenzene
Concen: 72.818 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 95 Resp: 153085

Ion	Ratio	Lower	Upper
95	100		
174	67.1	0.0	135.8
176	65.3	0.0	131.4

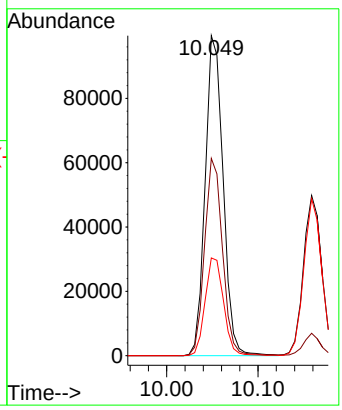




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 13521

Ion	Ratio	Lower	Upper
117	100		
82	61.7	50.6	76.0
119	30.6	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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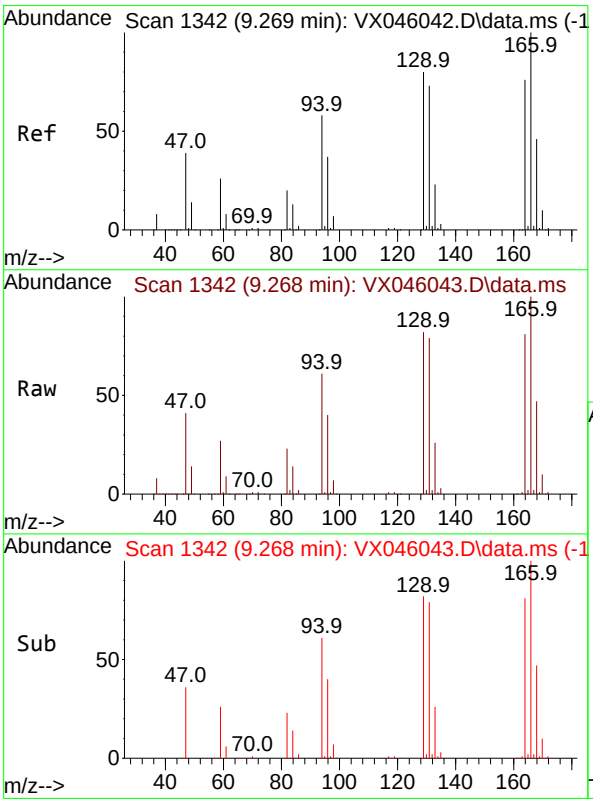
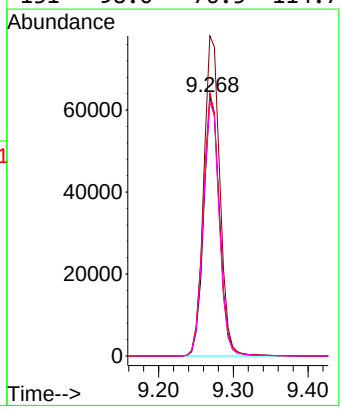
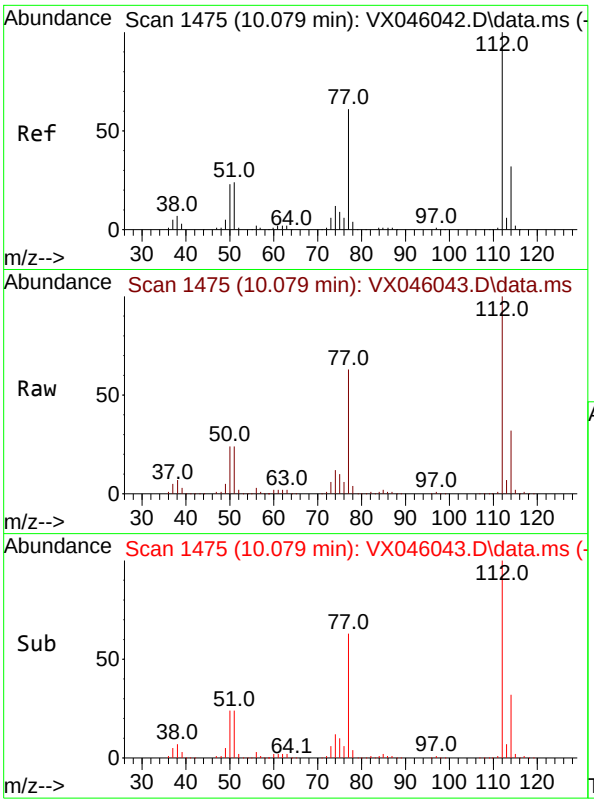


#64
Tetrachloroethene
Concen: 67.493 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:164 Resp: 93195

Ion	Ratio	Lower	Upper
164	100		
166	123.4	105.0	157.6
129	101.4	83.5	125.3
131	98.0	76.5	114.7

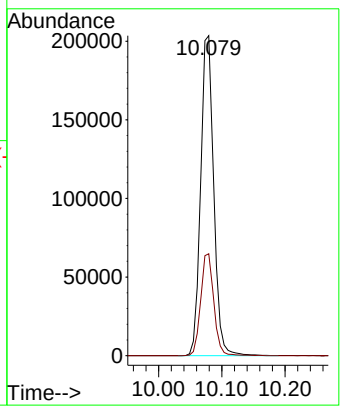




#65
Chlorobenzene
Concen: 70.490 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:112 Resp: 29328

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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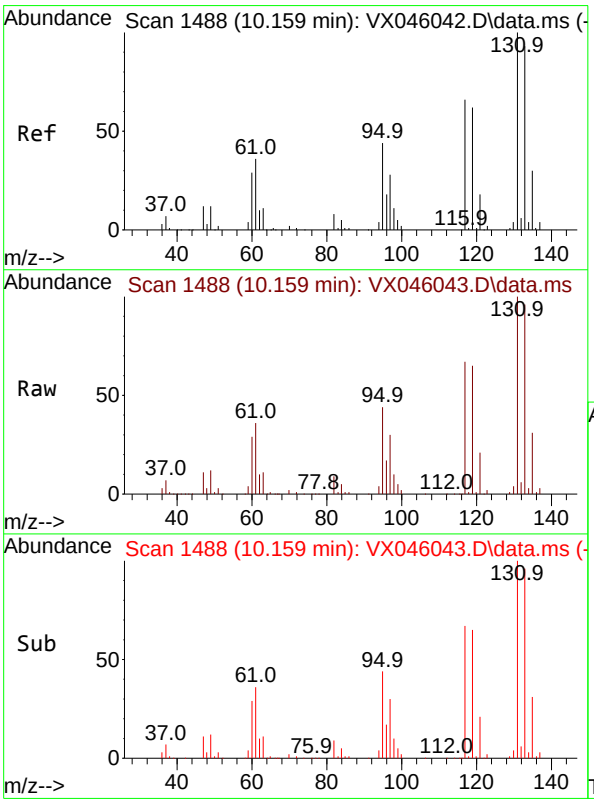
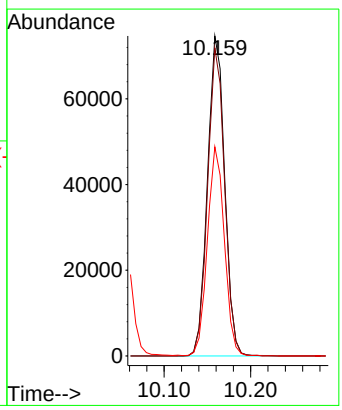
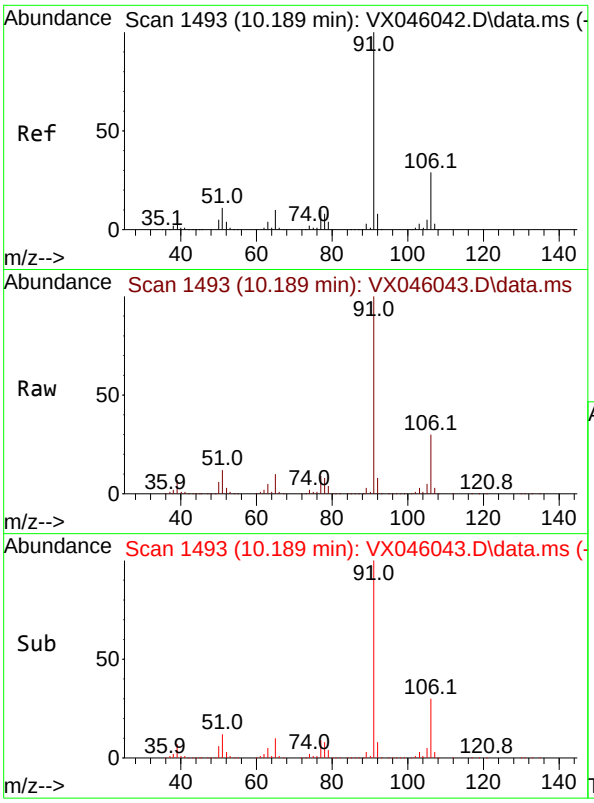


#66
1,1,1,2-Tetrachloroethane
Concen: 74.349 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:131 Resp: 103177

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	141.9
119	64.5	31.6	95.0





#67
Ethyl Benzene
Concen: 75.444 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 53512

Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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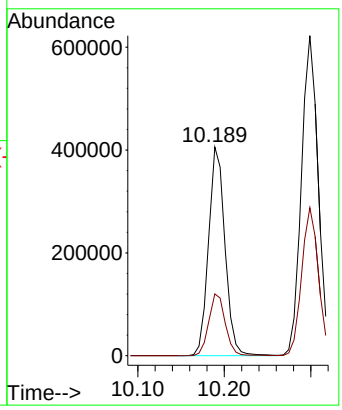
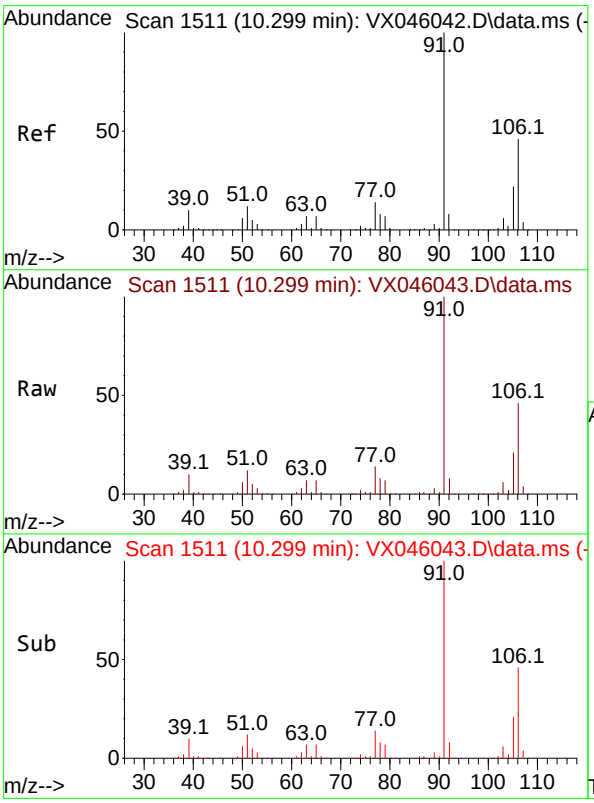
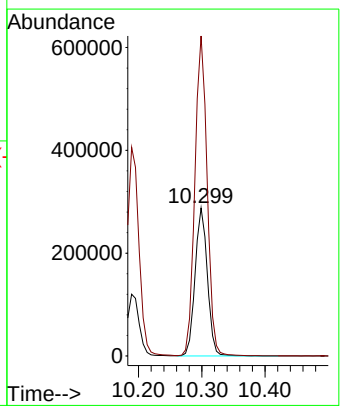


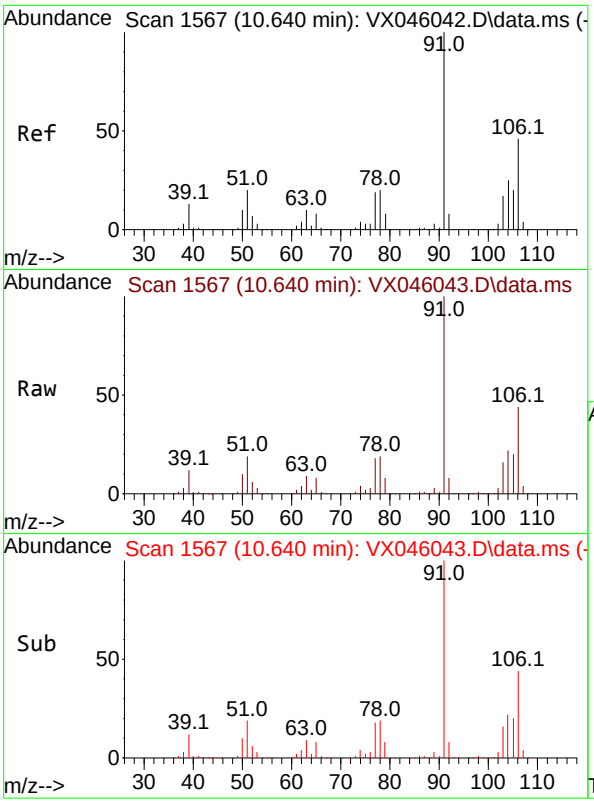


#68
m/p-Xylenes
Concen: 152.181 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:106 Resp: 389935

Ion	Ratio	Lower	Upper
106	100		
91	215.8	171.2	256.8

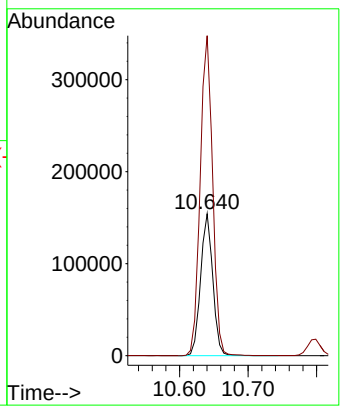




#69
o-Xylene
Concen: 73.890 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:106 Resp: 19083

Ion	Ratio	Lower	Upper
106	100		
91	230.3	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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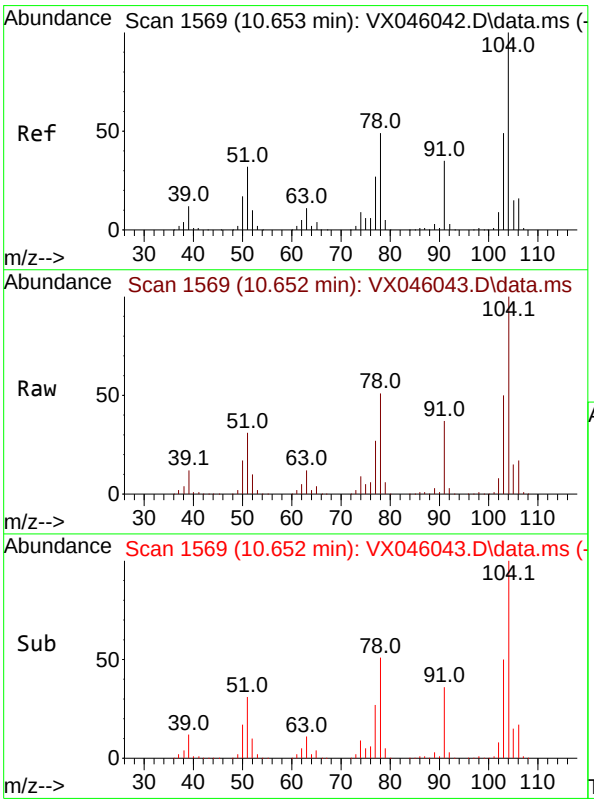
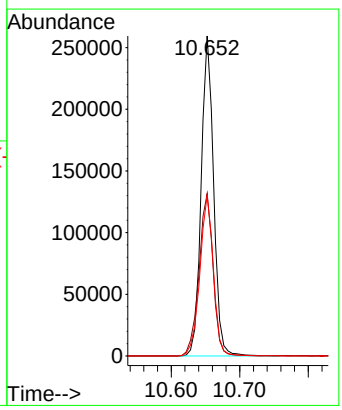
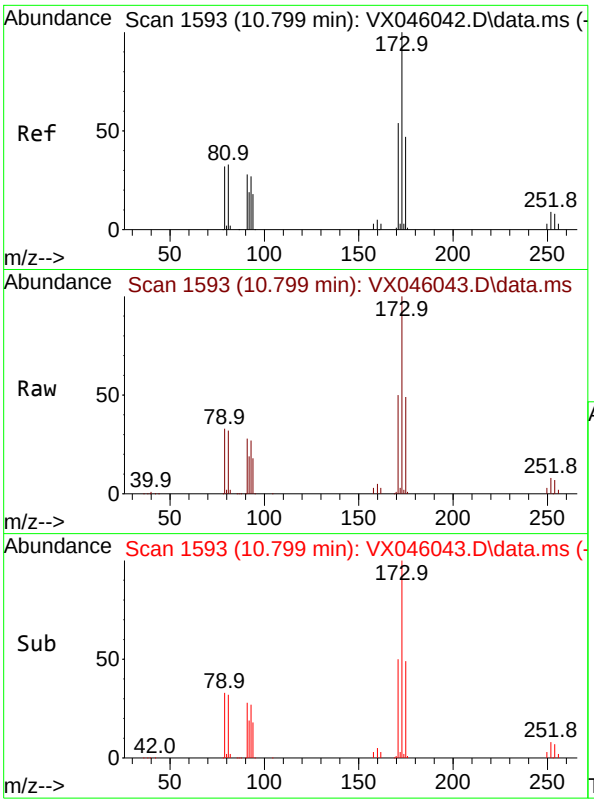


#70
Styrene
Concen: 79.411 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:104 Resp: 328195

Ion	Ratio	Lower	Upper
104	100		
78	57.4	45.7	68.5
103	54.8	43.7	65.5

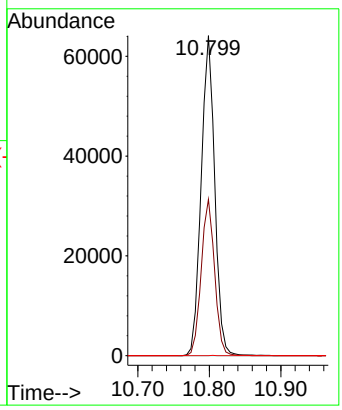




#71
Bromoform
Concen: 80.927 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:173 Resp: 8435

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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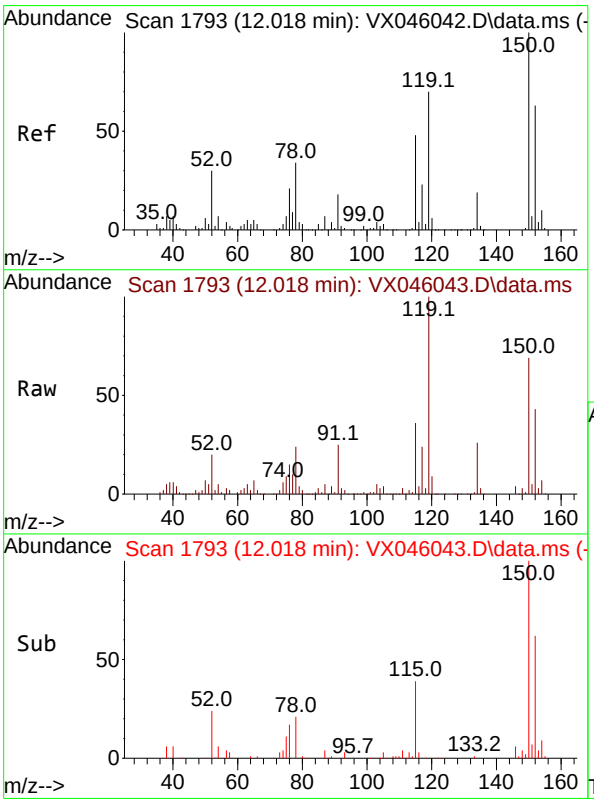
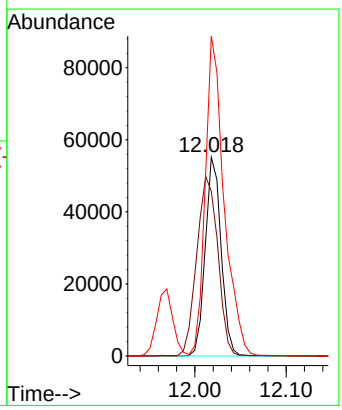
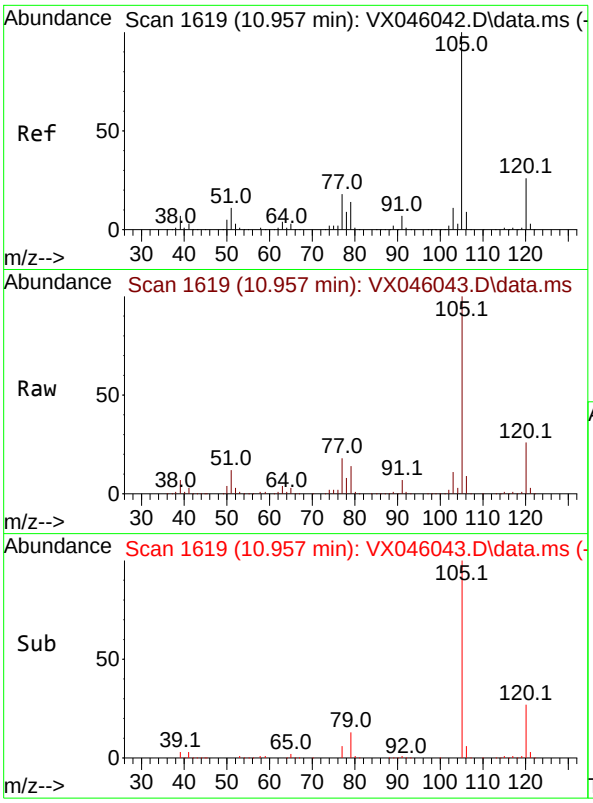


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:152 Resp: 66369

Ion	Ratio	Lower	Upper
152	100		
115	120.4	46.9	140.7
150	190.4	0.0	351.0

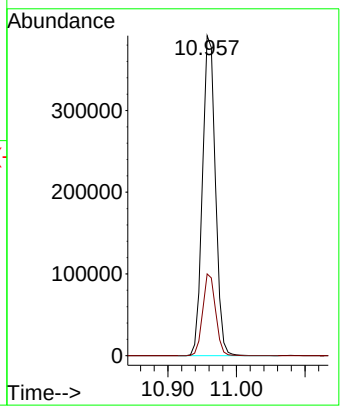




#73
Isopropylbenzene
Concen: 71.083 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 51452

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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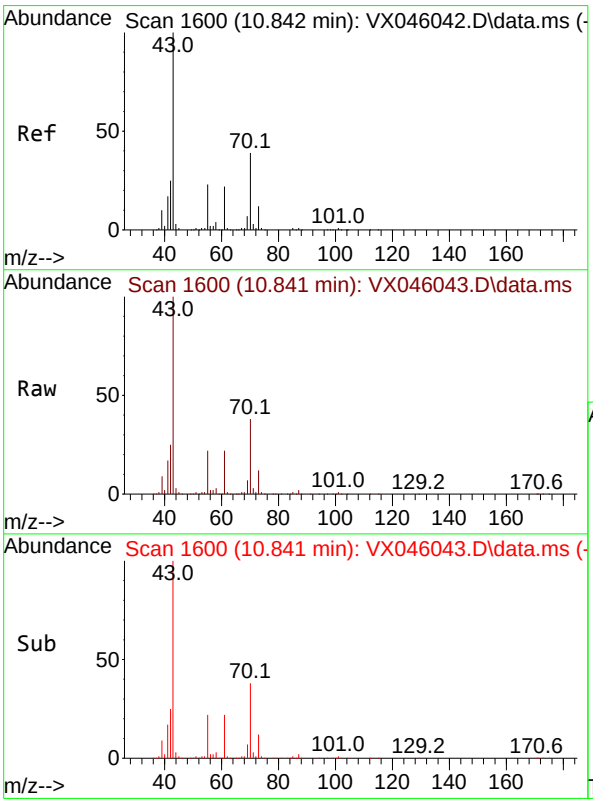
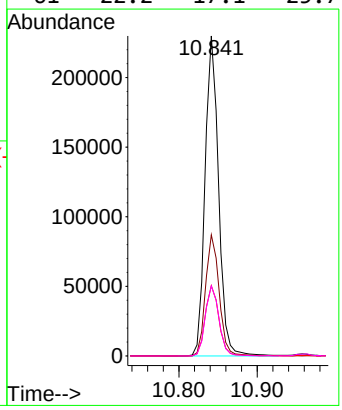
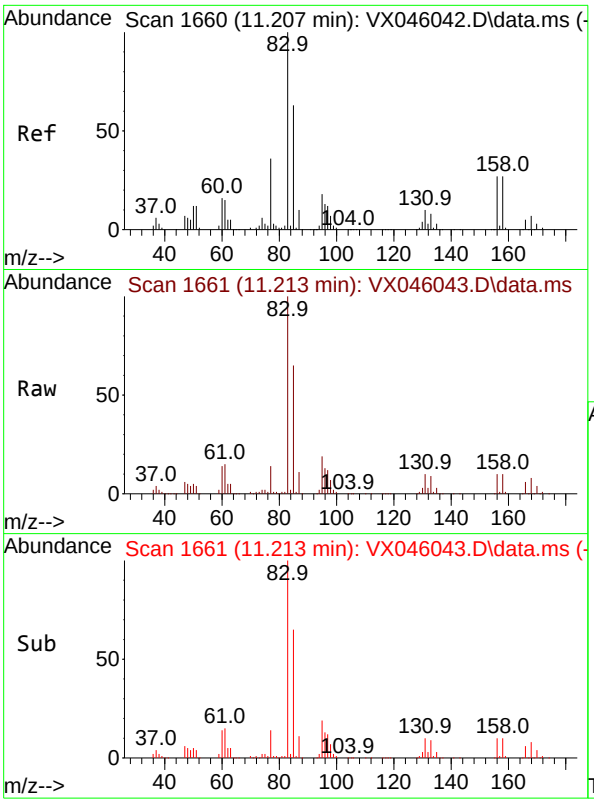


#74
N-amyl acetate
Concen: 76.073 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 274553

Ion	Ratio	Lower	Upper
43	100		
70	38.2	30.9	46.3
55	22.5	18.7	28.1
61	22.2	17.1	25.7

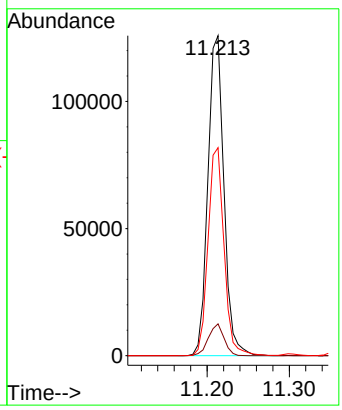




#75
1,1,2,2-Tetrachloroethane
Concen: 66.207 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 17048

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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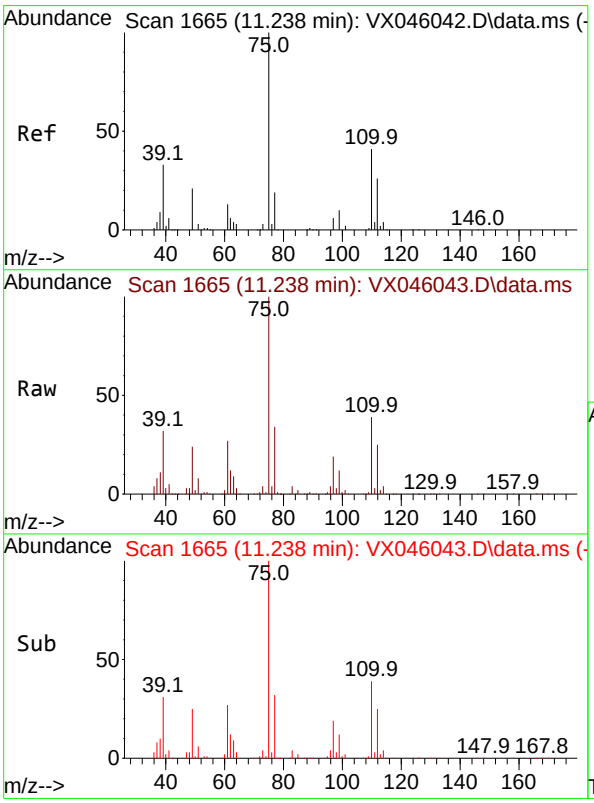
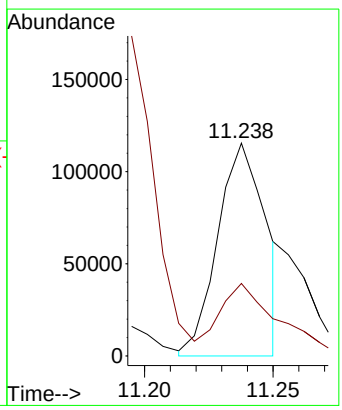
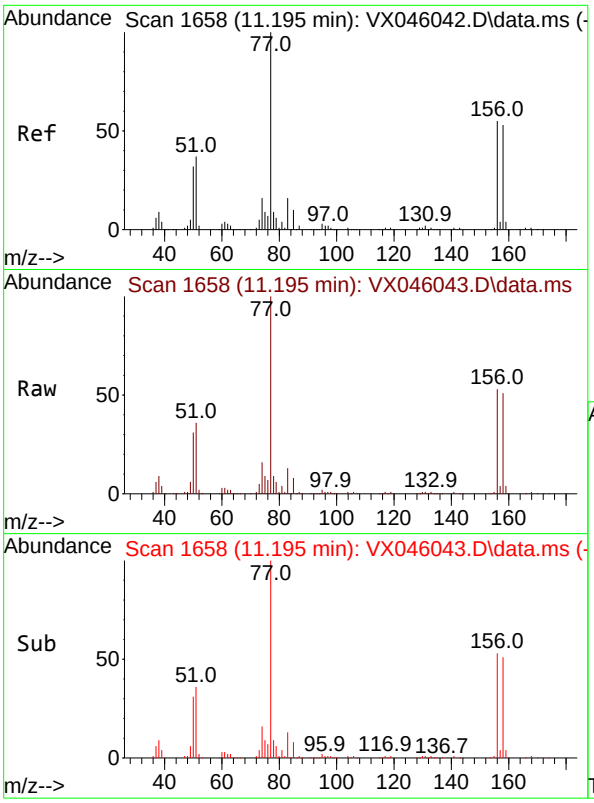


#76
1,2,3-Trichloropropane
Concen: 54.277 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 150182

Ion	Ratio	Lower	Upper
75	100		
77	42.2	20.5	61.5

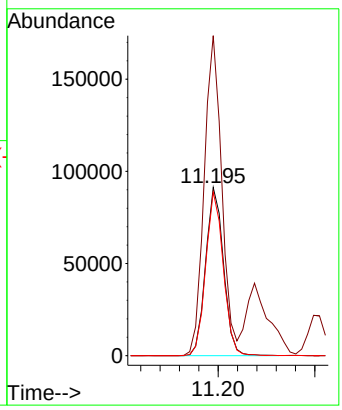




#77
Bromobenzene
Concen: 69.959 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:156 Resp: 11715

Ion	Ratio	Lower	Upper
156	100		
77	187.4	92.8	278.3
158	96.1	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
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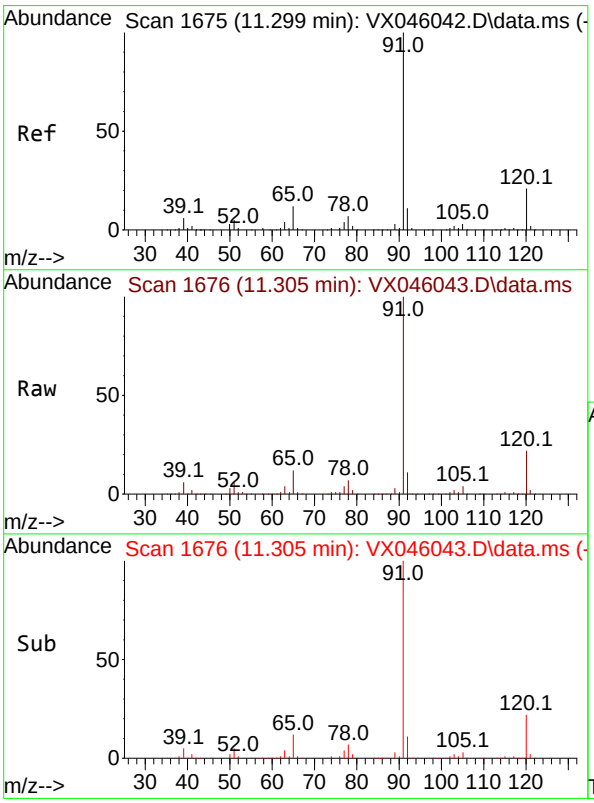
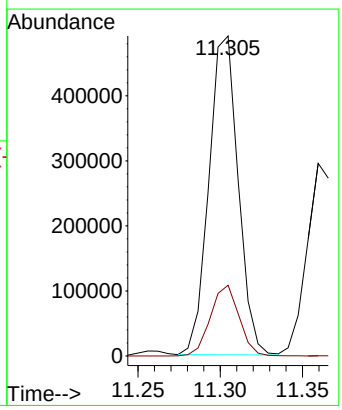
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

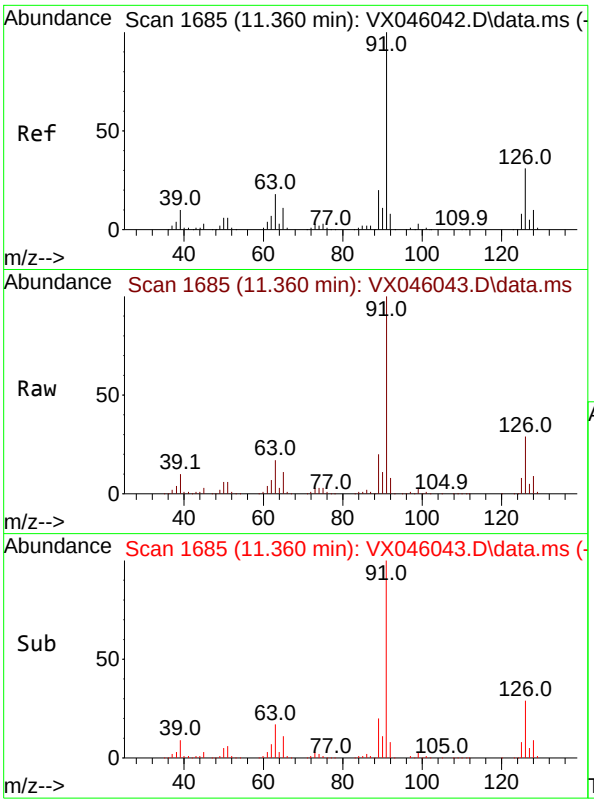


#78
n-propylbenzene
Concen: 74.974 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 608332

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4

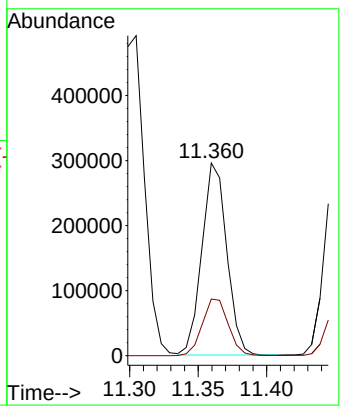




#79
2-Chlorotoluene
Concen: 68.100 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 37239

Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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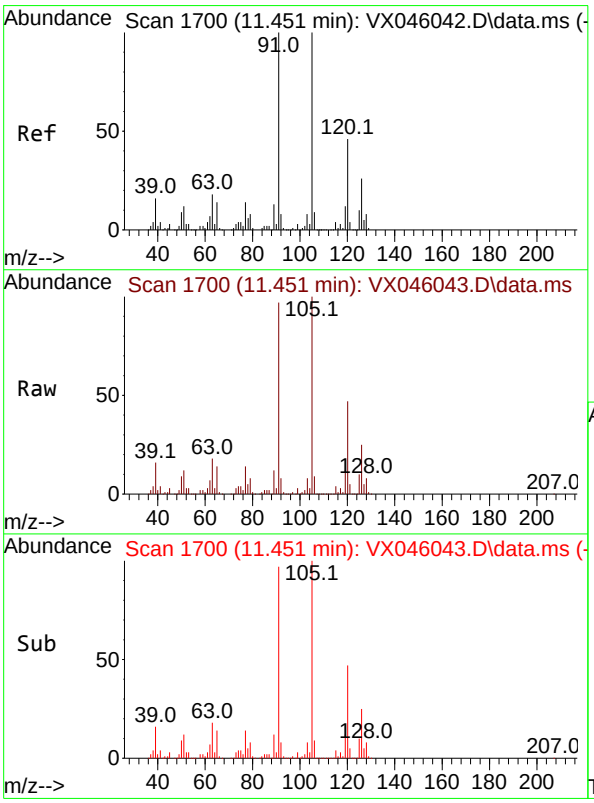
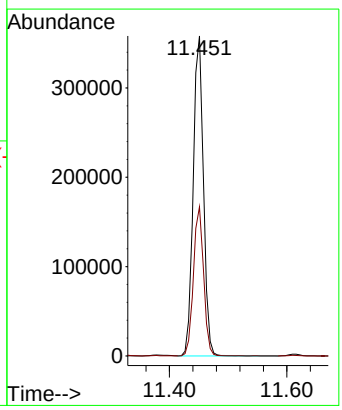
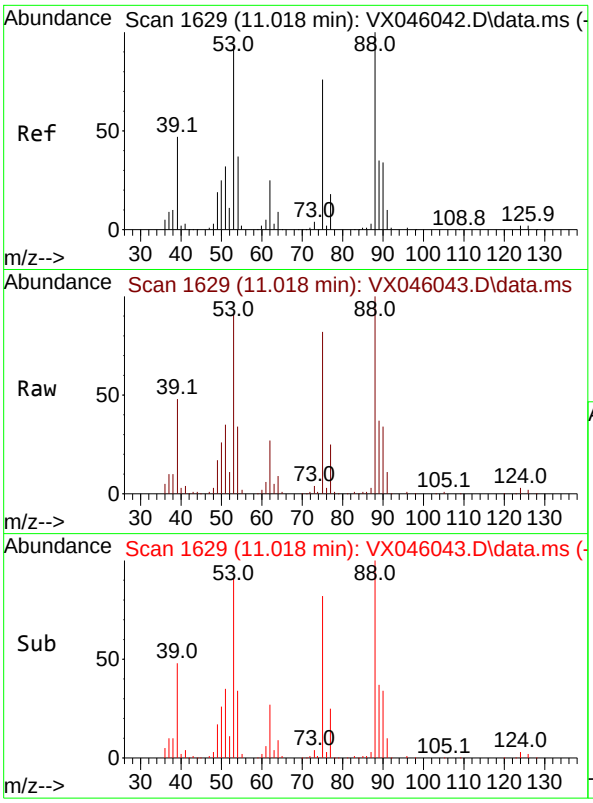


#80
1,3,5-Trimethylbenzene
Concen: 71.903 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 432096

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2

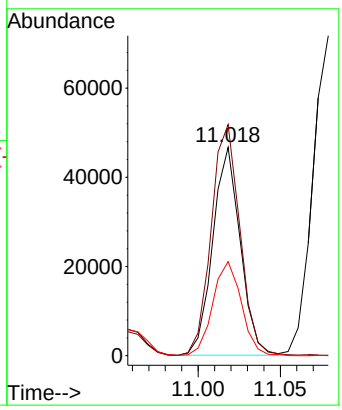




#81
trans-1,4-Dichloro-2-butene
Concen: 81.820 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 5439

Ion	Ratio	Lower	Upper
75	100		
53	115.8	100.5	150.7
89	47.0	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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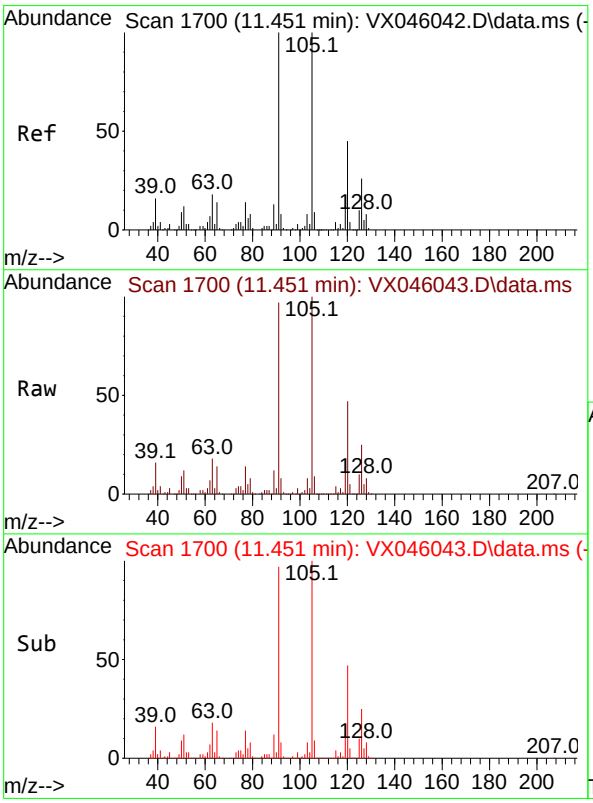
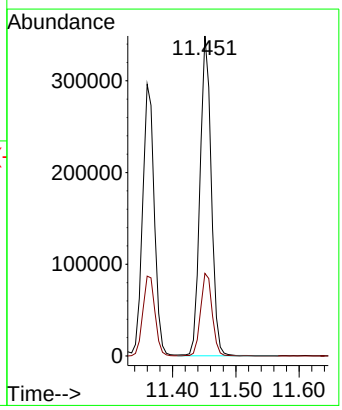
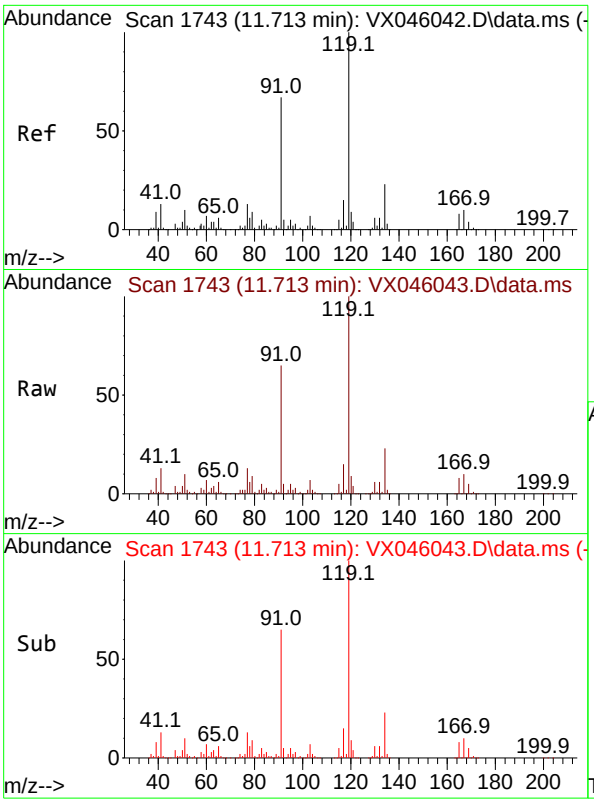


#82
4-Chlorotoluene
Concen: 71.890 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 432053

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8

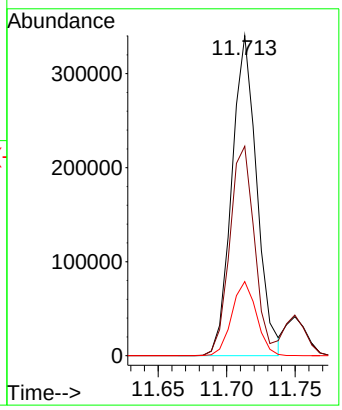




#83
tert-Butylbenzene
Concen: 73.197 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:119 Resp: 43201

Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.9	98.7
134	22.8	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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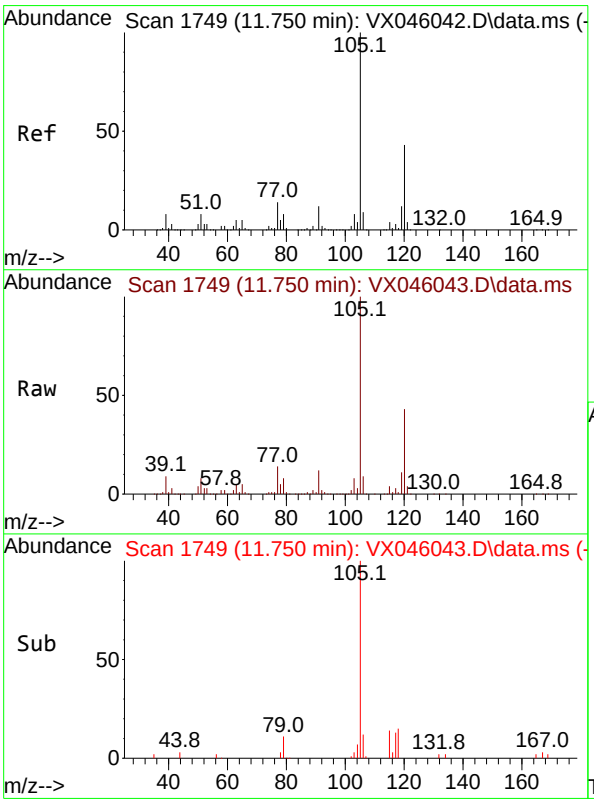
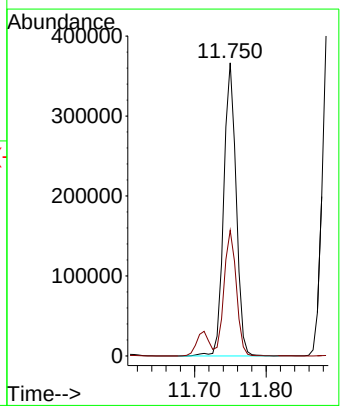
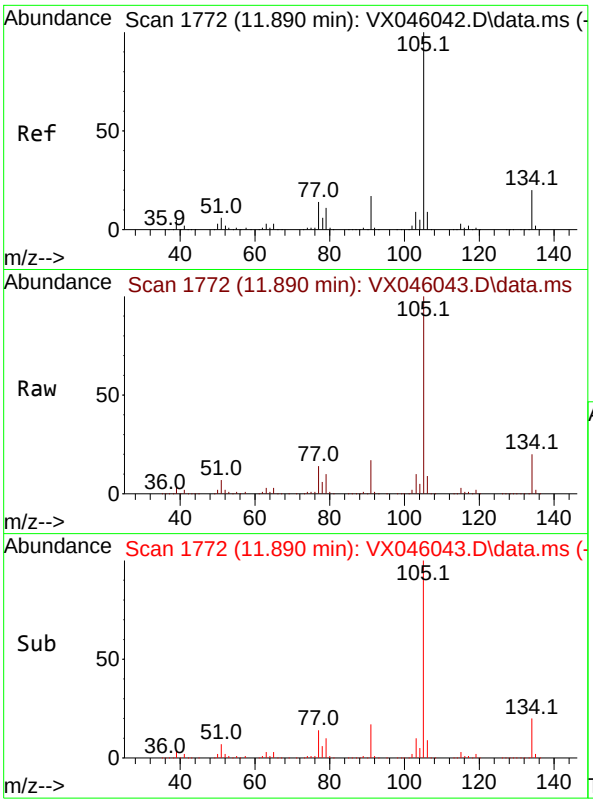


#84
1,2,4-Trimethylbenzene
Concen: 73.758 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 442728

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.2	63.6

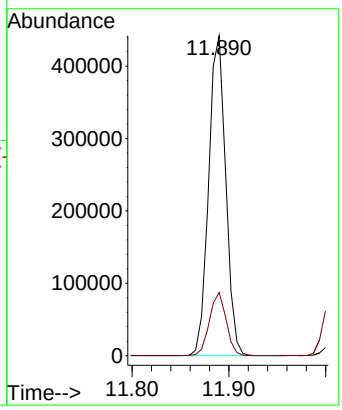




#85
sec-Butylbenzene
Concen: 74.188 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 54359

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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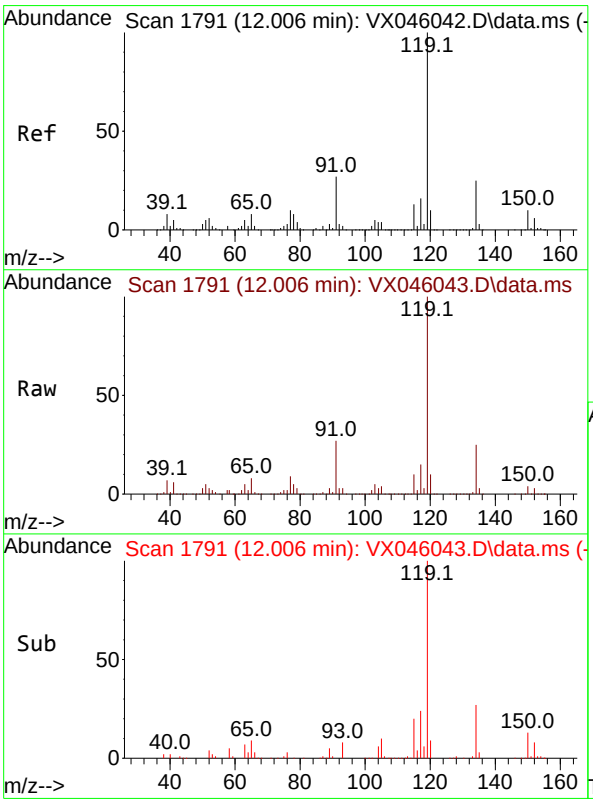
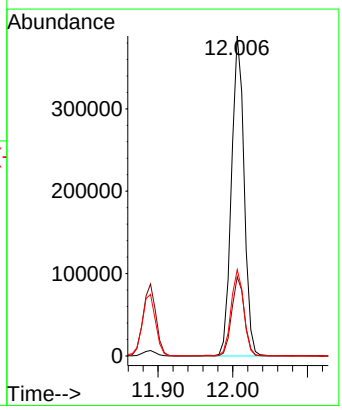
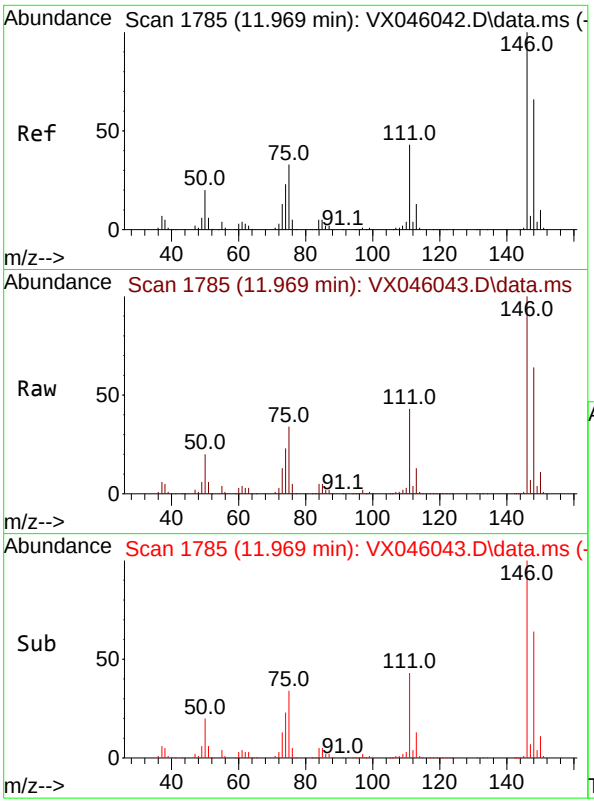


#86
p-Isopropyltoluene
Concen: 77.393 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:119 Resp: 457898

Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.5	37.5
91	26.8	13.8	41.4

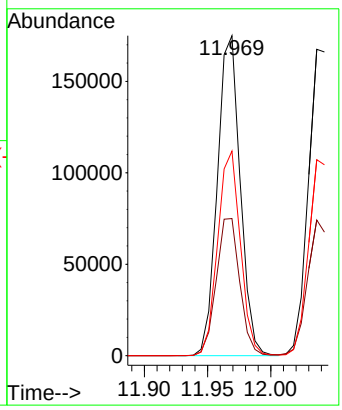




#87
1,3-Dichlorobenzene
Concen: 70.449 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:146 Resp: 21975

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.3
148	63.5	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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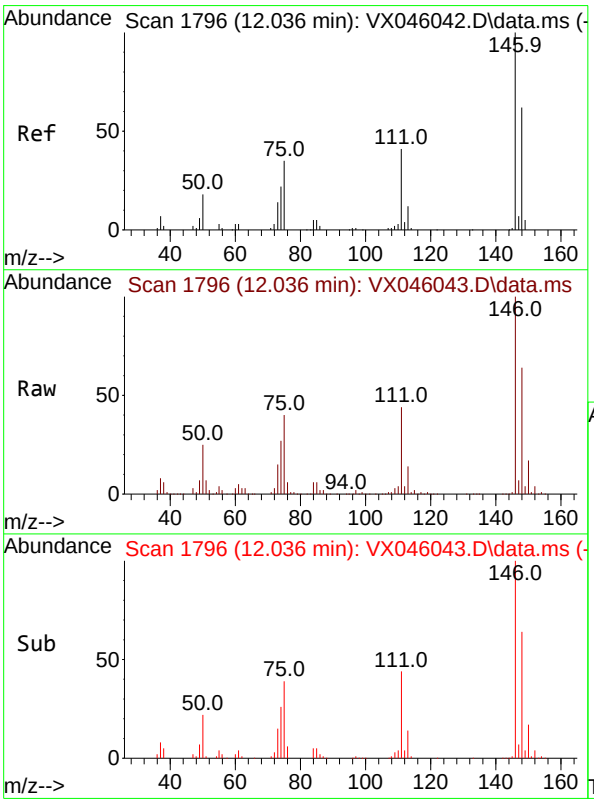
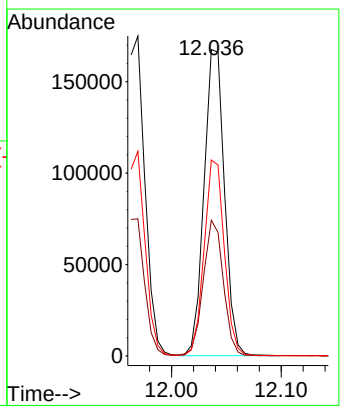
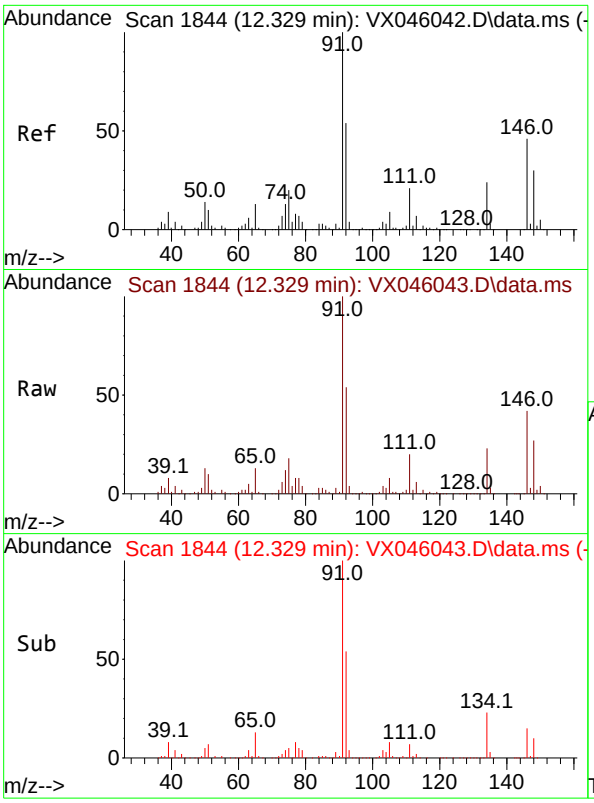


#88
1,4-Dichlorobenzene
Concen: 71.190 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:146 Resp: 217613

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	63.2	31.9	95.5

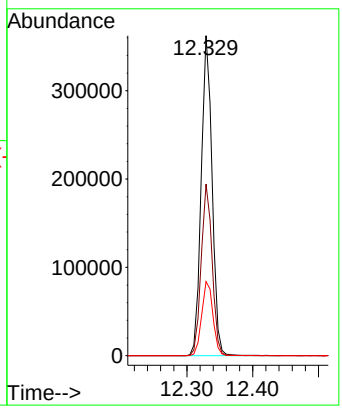




#89
n-Butylbenzene
Concen: 80.996 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 41660

Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.9	80.7
134	24.0	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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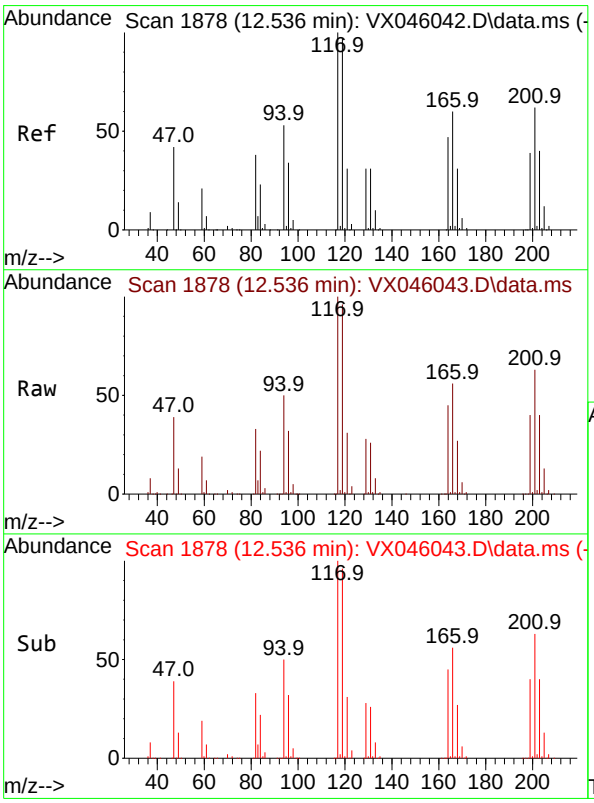
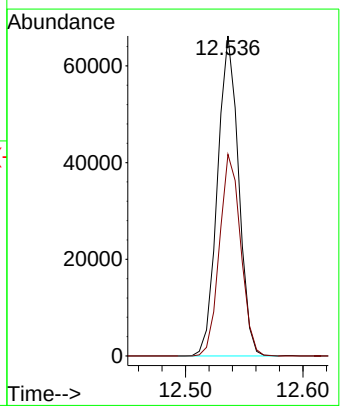
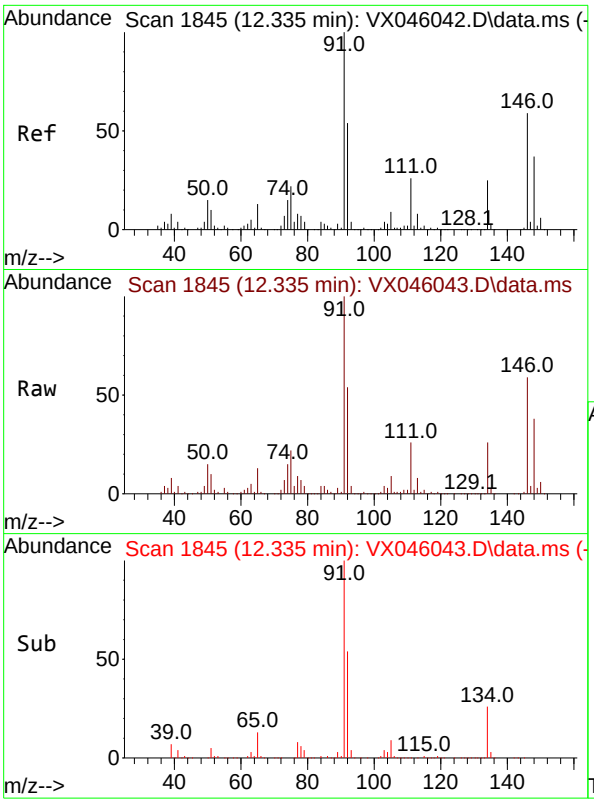


#90
Hexachloroethane
Concen: 74.978 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 82528

Ion	Ratio	Lower	Upper
117	100		
201	63.3	31.6	94.7

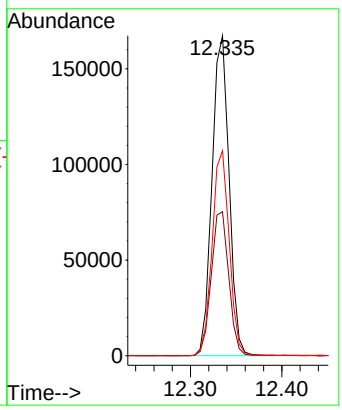




#91
1,2-Dichlorobenzene
Concen: 71.367 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:146 Resp: 21683

Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.4	67.3
148	64.0	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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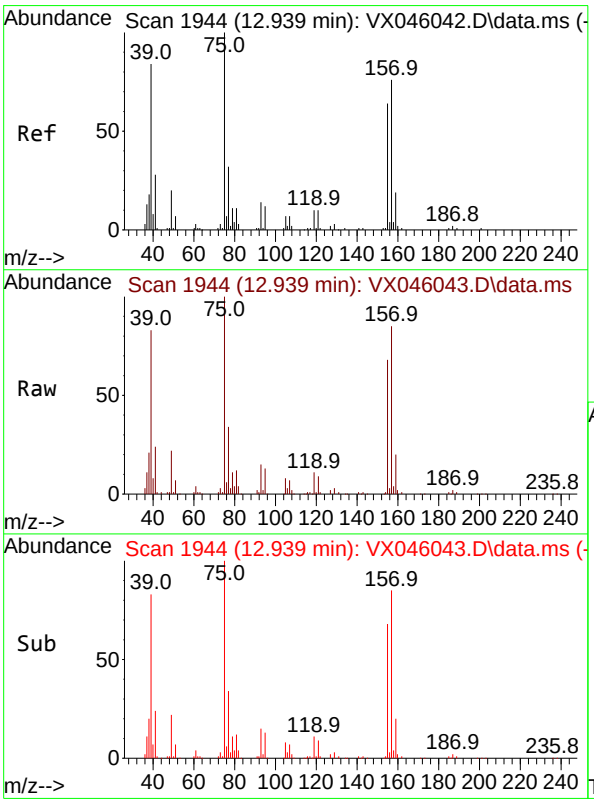
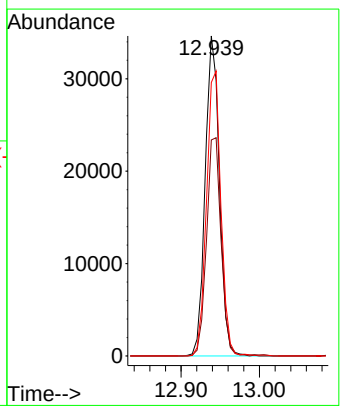
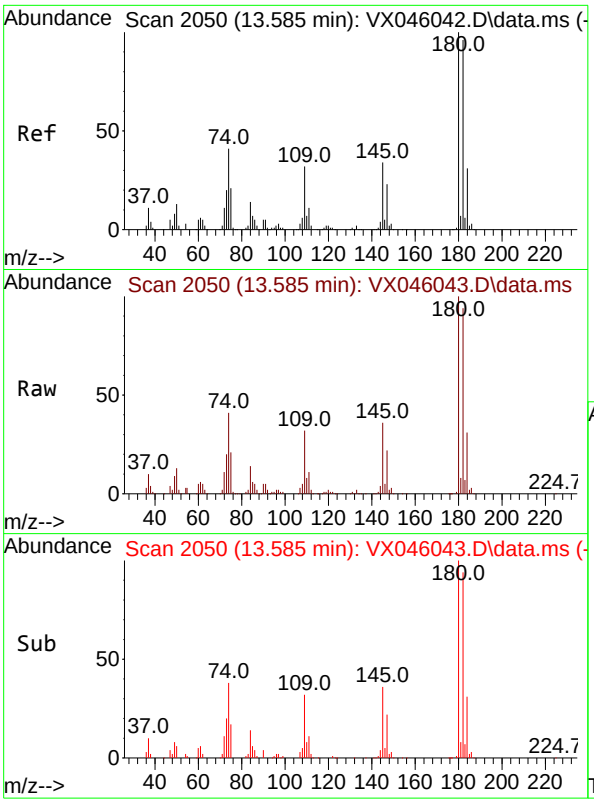


#92
1,2-Dibromo-3-Chloropropane
Concen: 74.512 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 43673

Ion	Ratio	Lower	Upper
75	100		
155	69.4	34.9	104.8
157	90.1	43.8	131.4

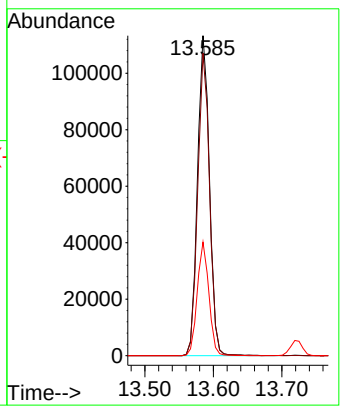




#93
1,2,4-Trichlorobenzene
Concen: 82.605 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:180 Resp: 13743

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.8
145	34.6	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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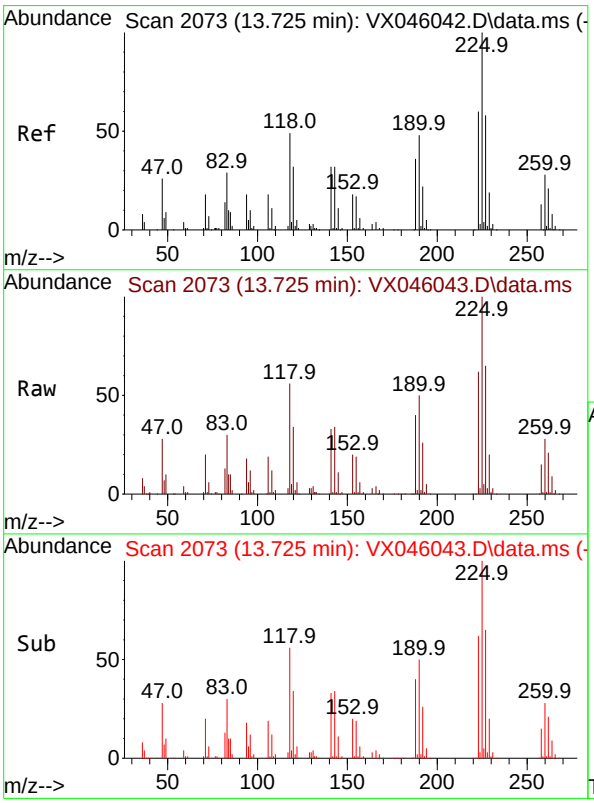
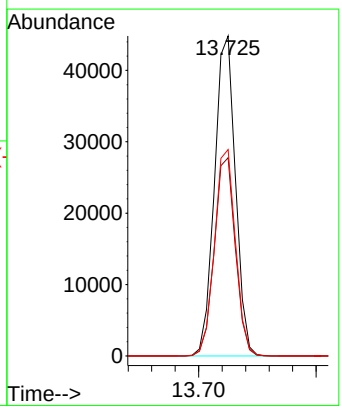
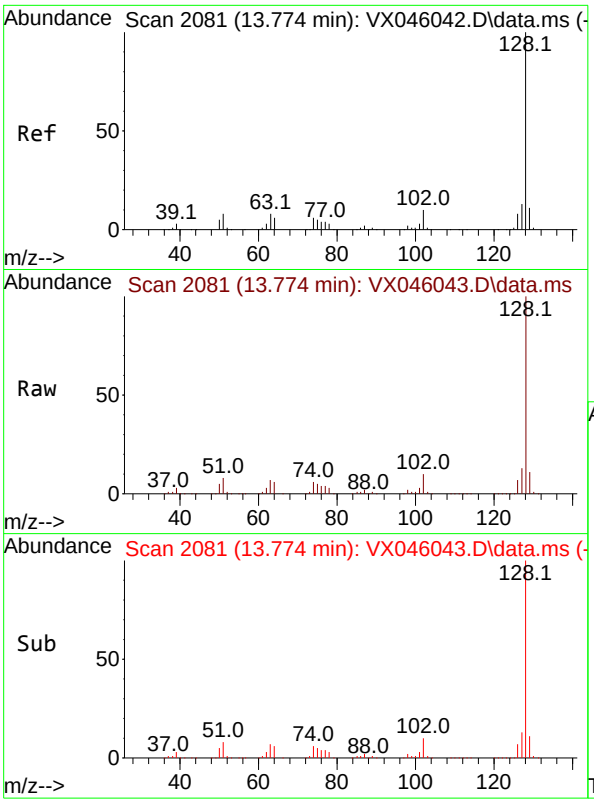


#94
Hexachlorobutadiene
Concen: 71.314 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:225 Resp: 55494

Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.8	92.4
227	64.9	30.9	92.7

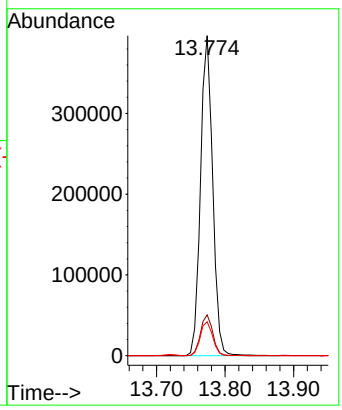




#95
Naphthalene
Concen: 80.842 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:128 Resp: 48977

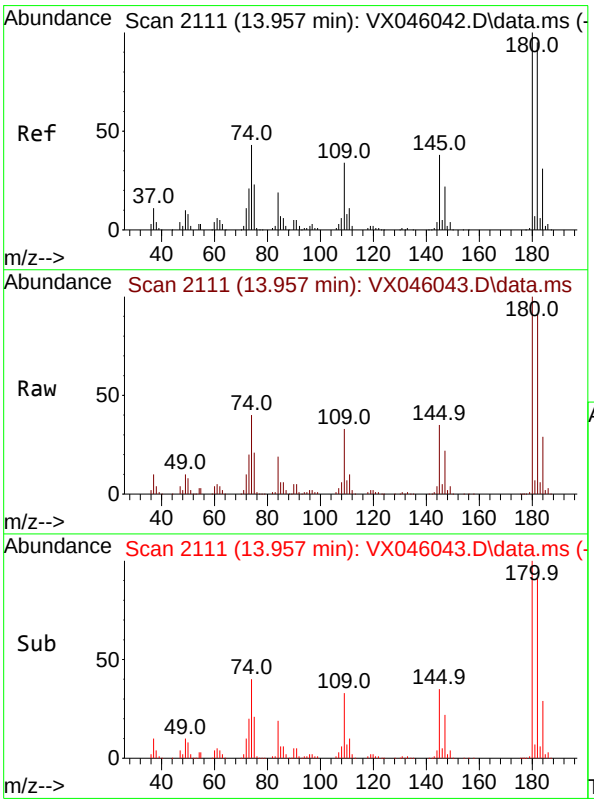
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

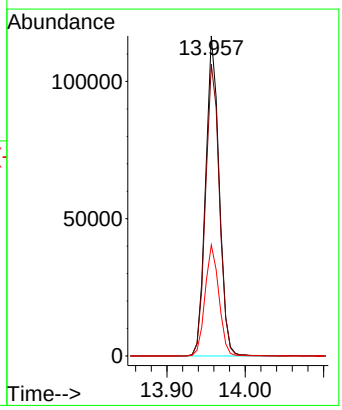
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 79.981 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:180 Resp: 139525

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.8	143.3
145	35.3	18.1	54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	82963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144975	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60345	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	231952	93.983	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 187.960%#			
35) Dibromofluoromethane	5.385	113	160168	98.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.120%#			
50) Toluene-d8	8.647	98	554390	101.252	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 202.500%#			
62) 4-Bromofluorobenzene	11.079	95	217536	109.174	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 218.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	217793	118.929	ug/l	98
3) Chloromethane	1.307	50	196843	109.161	ug/l	99
4) Vinyl Chloride	1.374	62	187924	118.953	ug/l	100
5) Bromomethane	1.593	94	83008	103.625	ug/l	95
6) Chloroethane	1.660	64	78806	96.822	ug/l	98
7) Trichlorofluoromethane	1.868	101	245108	101.851	ug/l	97
8) Diethyl Ether	2.136	74	88441	111.791	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	161404	112.243	ug/l	99
10) Methyl Iodide	2.441	142	189843	112.441	ug/l	100
11) Tert butyl alcohol	3.002	59	181238	616.119	ug/l	100
12) 1,1-Dichloroethene	2.307	96	155451	111.039	ug/l	99
13) Acrolein	2.239	56	203257	594.872	ug/l	98
14) Allyl chloride	2.654	41	297776	112.561	ug/l	98
15) Acrylonitrile	3.069	53	484854	550.973	ug/l	98
16) Acetone	2.392	43	460820	545.754	ug/l	98
17) Carbon Disulfide	2.502	76	397353	122.499	ug/l	100
18) Methyl Acetate	2.709	43	217885	108.099	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	557210	114.112	ug/l	100
20) Methylene Chloride	2.782	84	172035	100.579	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	154694	108.241	ug/l	96
22) Diisopropyl ether	3.764	45	577610	116.858	ug/l	90
23) Vinyl Acetate	3.721	43	2655751	608.005	ug/l	100
24) 1,1-Dichloroethane	3.605	63	320083	110.182	ug/l	99
25) 2-Butanone	4.562	43	708463	581.292	ug/l	98
26) 2,2-Dichloropropane	4.471	77	258698	117.548	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	187835	108.994	ug/l	99
28) Bromochloromethane	4.898	49	146923	95.108	ug/l	100
29) Tetrahydrofuran	5.007	42	450456	569.081	ug/l	99
30) Chloroform	5.087	83	323659	107.208	ug/l	95
31) Cyclohexane	5.458	56	286312	116.934	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	295702	113.572	ug/l	98
36) 1,1-Dichloropropene	5.684	75	219731	116.462	ug/l	99
37) Ethyl Acetate	4.715	43	274312	115.889	ug/l	99
38) Carbon Tetrachloride	5.666	117	250916	115.760	ug/l	99
39) Methylcyclohexane	7.373	83	286311	121.107	ug/l	97
40) Benzene	6.031	78	642178	109.813	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	151424	115.139	ug/l		98
42) 1,2-Dichloroethane	6.080	62	271992	112.492	ug/l		99
43) Isopropyl Acetate	6.342	43	447871	123.780	ug/l		100
44) Trichloroethene	7.117	130	157641	114.032	ug/l		96
45) 1,2-Dichloropropane	7.428	63	164505	113.217	ug/l		99
46) Dibromomethane	7.574	93	125846	109.869	ug/l		100
47) Bromodichloromethane	7.818	83	258326	116.365	ug/l		98
48) Methyl methacrylate	7.690	41	231040	124.356	ug/l		99
49) 1,4-Dioxane	7.665	88	82800	2241.695	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	1371275	577.831	ug/l		100
52) Toluene	8.714	92	393323	113.430	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	257233	138.001	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	271054	124.658	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	154932	110.551	ug/l		97
56) Ethyl methacrylate	9.116	69	277921	127.968	ug/l		99
57) 1,3-Dichloropropane	9.305	76	272814	109.813	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	680608	697.344	ug/l		100
59) 2-Hexanone	9.433	43	1028597	571.094	ug/l		99
60) Dibromochloromethane	9.519	129	187497	122.915	ug/l		98
61) 1,2-Dibromoethane	9.604	107	165634	115.087	ug/l		97
64) Tetrachloroethene	9.269	164	132488	100.918	ug/l		96
65) Chlorobenzene	10.080	112	429656	108.615	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	152173	115.333	ug/l		99
67) Ethyl Benzene	10.189	91	785121	116.421	ug/l		99
68) m/p-Xylenes	10.299	106	570913	234.349	ug/l		100
69) o-Xylene	10.640	106	279906	113.990	ug/l		99
70) Styrene	10.653	104	474254	120.694	ug/l		99
71) Bromoform	10.799	173	125986	127.128	ug/l	#	99
73) Isopropylbenzene	10.957	105	752337	114.312	ug/l		99
74) N-amyl acetate	10.842	43	396877	120.944	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	243532	104.018	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	213744m	84.960	ug/l		
77) Bromobenzene	11.195	156	167934	110.297	ug/l		99
78) n-propylbenzene	11.305	91	881218	119.448	ug/l		100
79) 2-Chlorotoluene	11.360	91	534560	107.514	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	616477	112.825	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	81372	134.609	ug/l		93
82) 4-Chlorotoluene	11.451	91	611736	111.948	ug/l		100
83) tert-Butylbenzene	11.713	119	617473	115.065	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	623456	114.236	ug/l		99
85) sec-Butylbenzene	11.890	105	786293	118.023	ug/l		99
86) p-Isopropyltoluene	12.006	119	651531	121.113	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	313100	110.394	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	311752	112.167	ug/l		100
89) n-Butylbenzene	12.329	91	605783	129.533	ug/l		100
90) Hexachloroethane	12.536	117	123188	123.091	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	308039	111.506	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64438	120.915	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	203255	134.366	ug/l		98
94) Hexachlorobutadiene	13.719	225	80558	113.857	ug/l		99
95) Naphthalene	13.774	128	721236	130.929	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	200379	126.331	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

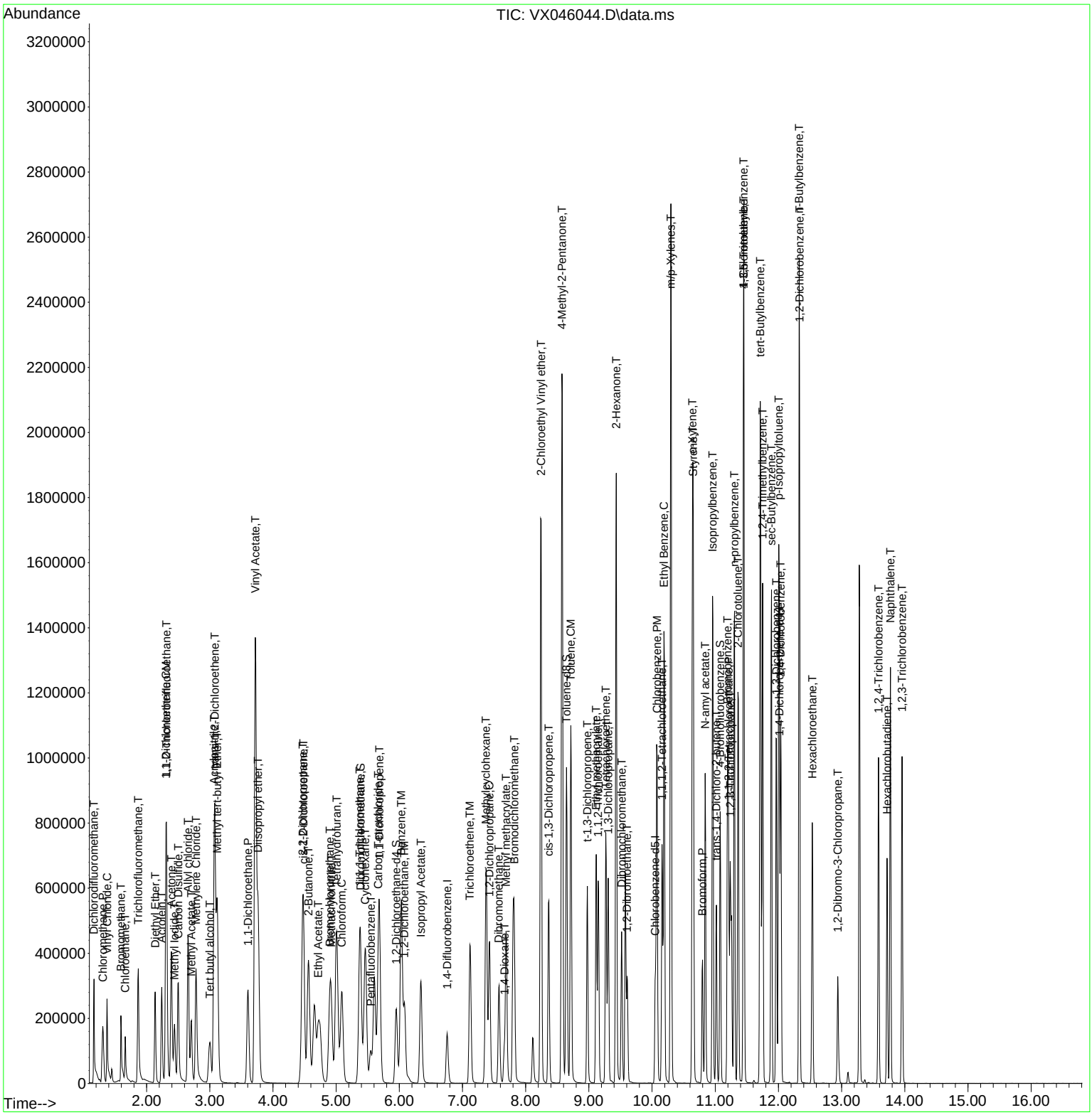
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

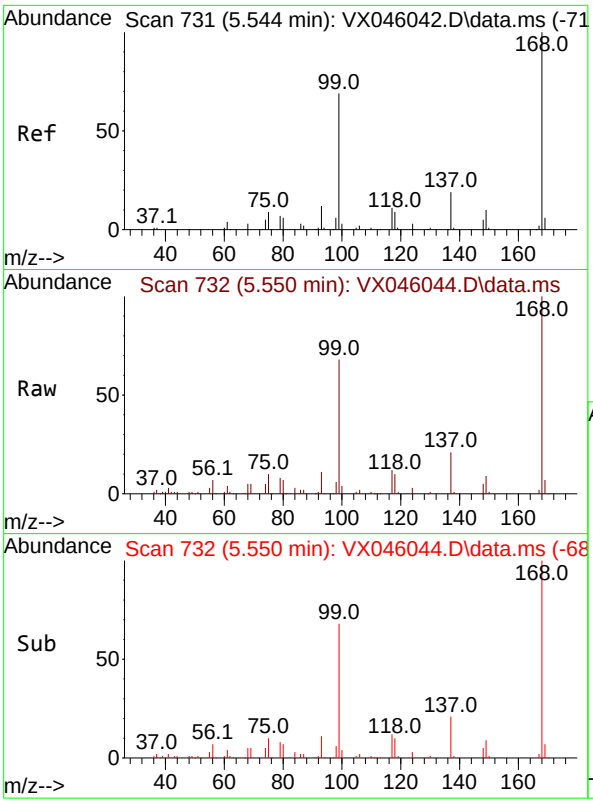
Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

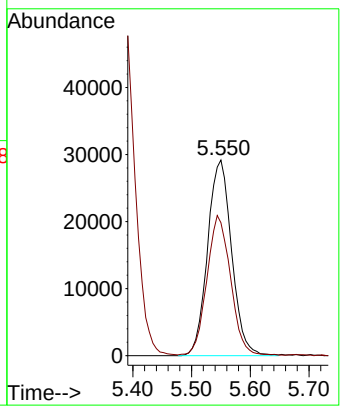




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:168 Resp: 8296

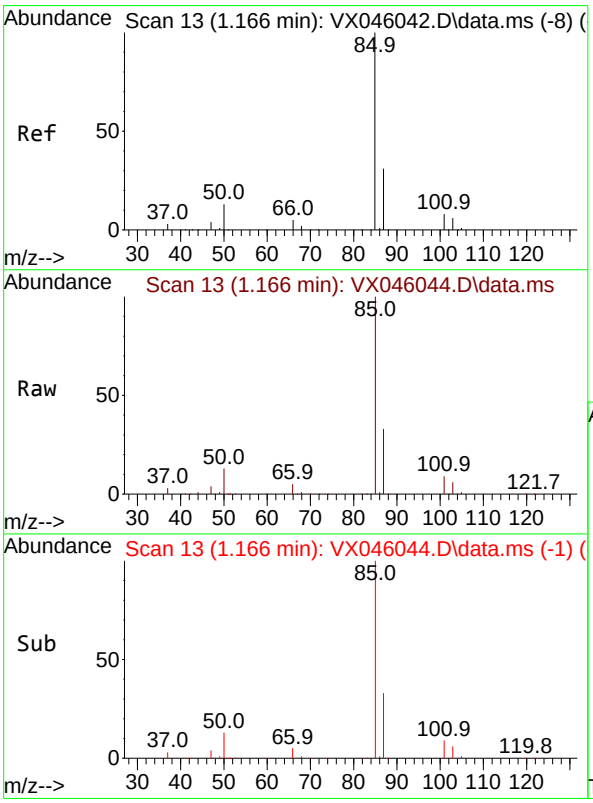
Ion	Ratio	Lower	Upper
168	100		
99	67.6	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

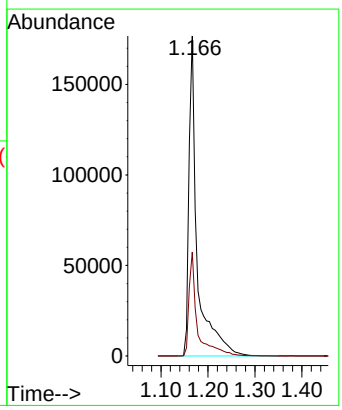
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

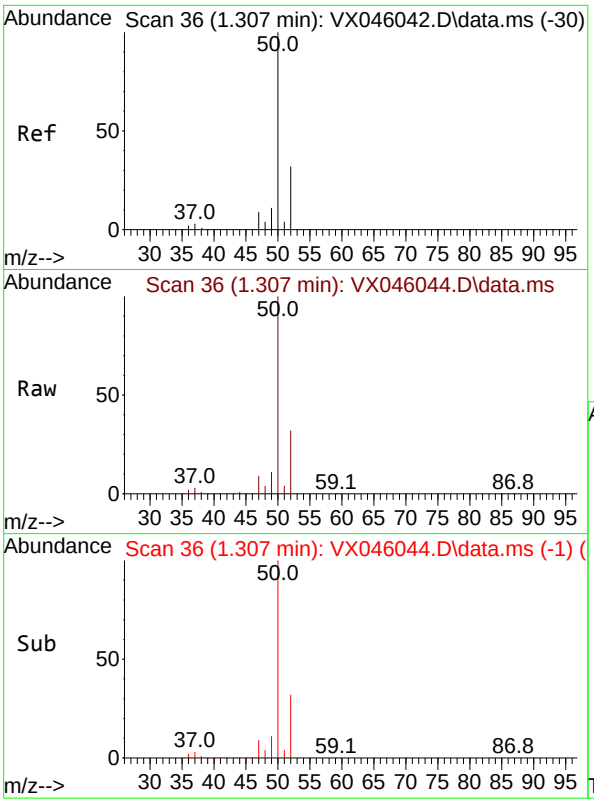


#2
Dichlorodifluoromethane
Concen: 118.929 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 85 Resp: 217793

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1

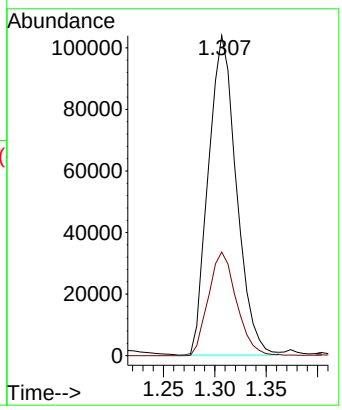




#3
Chloromethane
Concen: 109.161 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 50 Resp: 19684

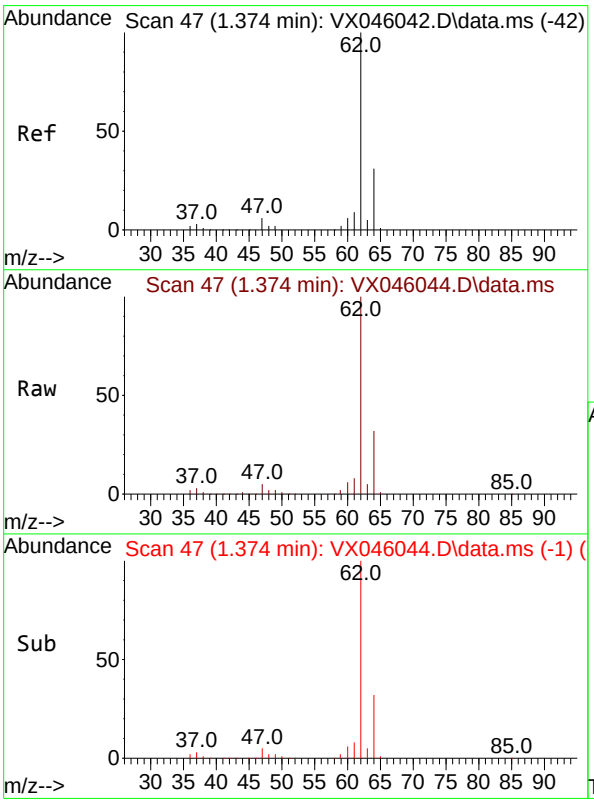
Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

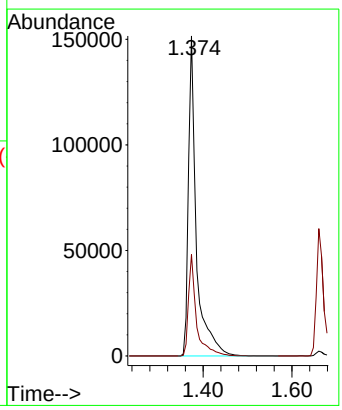
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

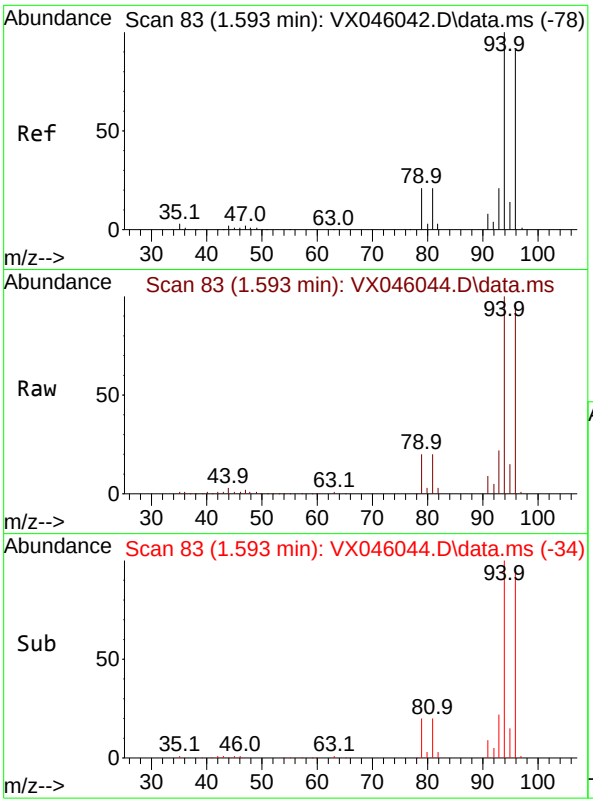


#4
Vinyl Chloride
Concen: 118.953 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 62 Resp: 187924

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.2	37.8

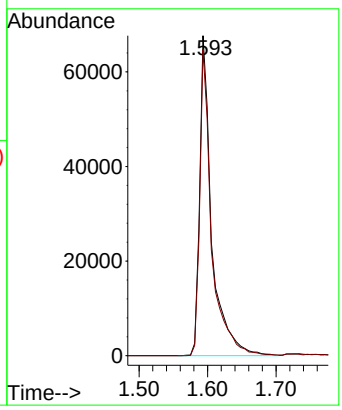




#5
Bromomethane
Concen: 103.625 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 94 Resp: 8300

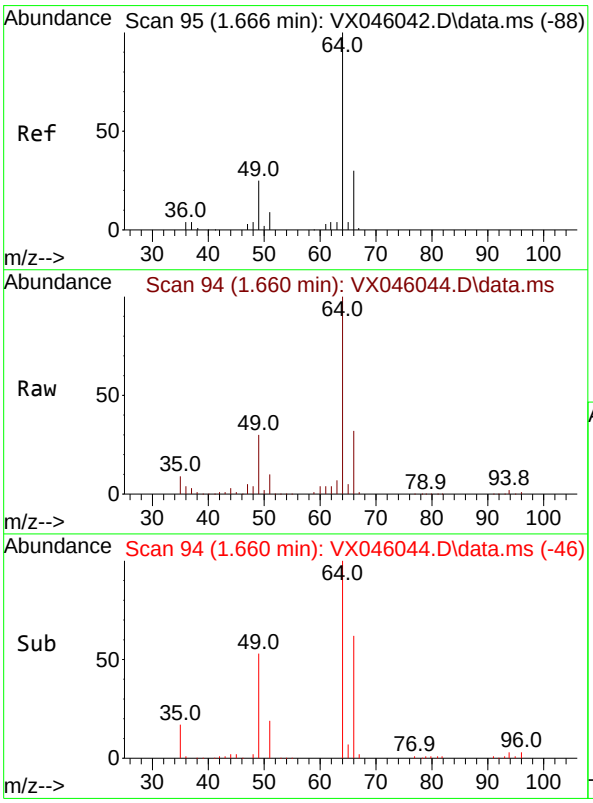
Ion	Ratio	Lower	Upper
94	100		
96	95.8	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

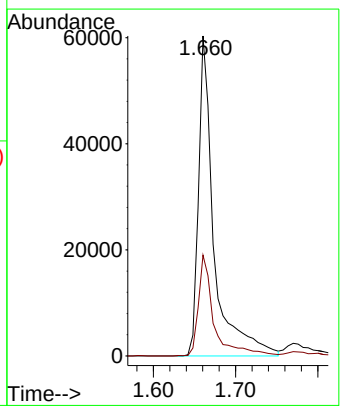
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

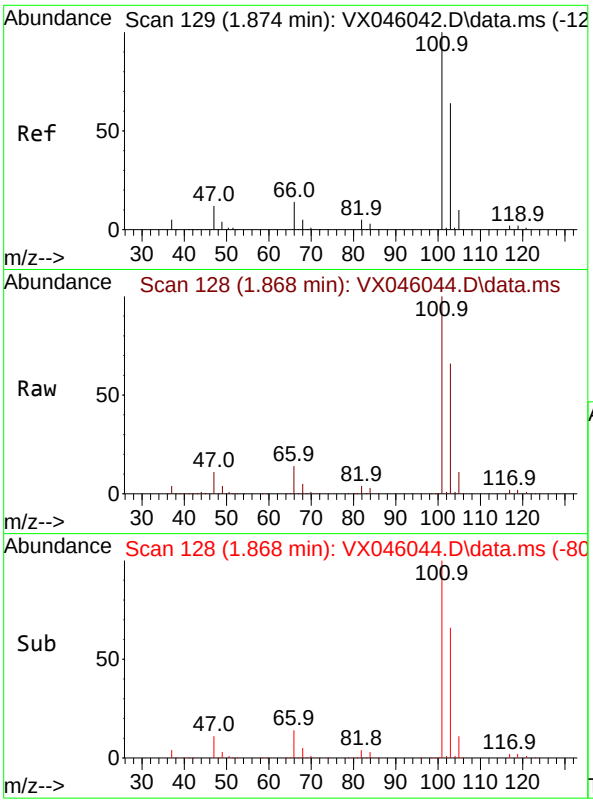


#6
Chloroethane
Concen: 96.822 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 64 Resp: 78806

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.3	36.5

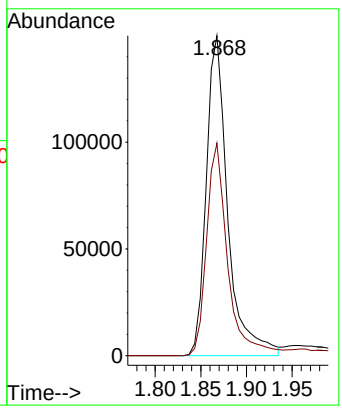




#7
Trichlorofluoromethane
Concen: 101.851 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:101 Resp: 24510

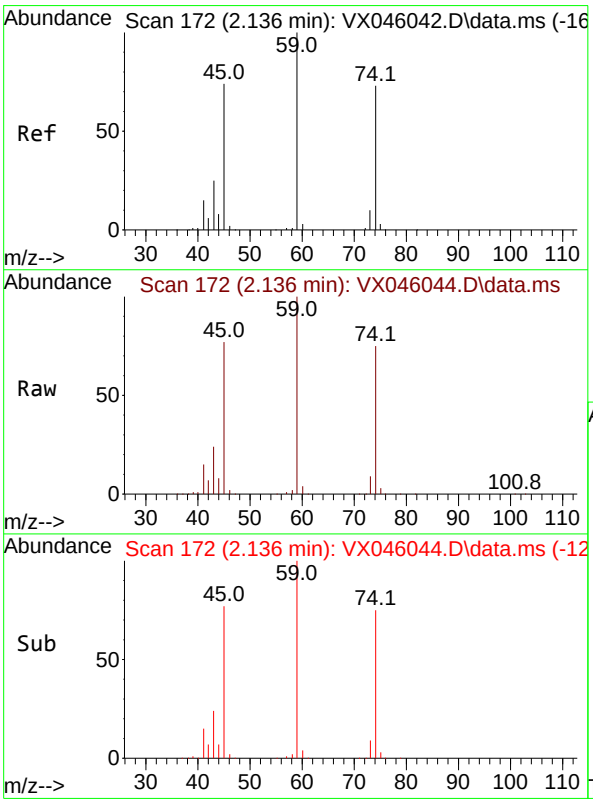
Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

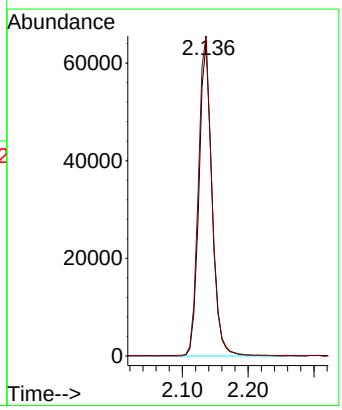
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

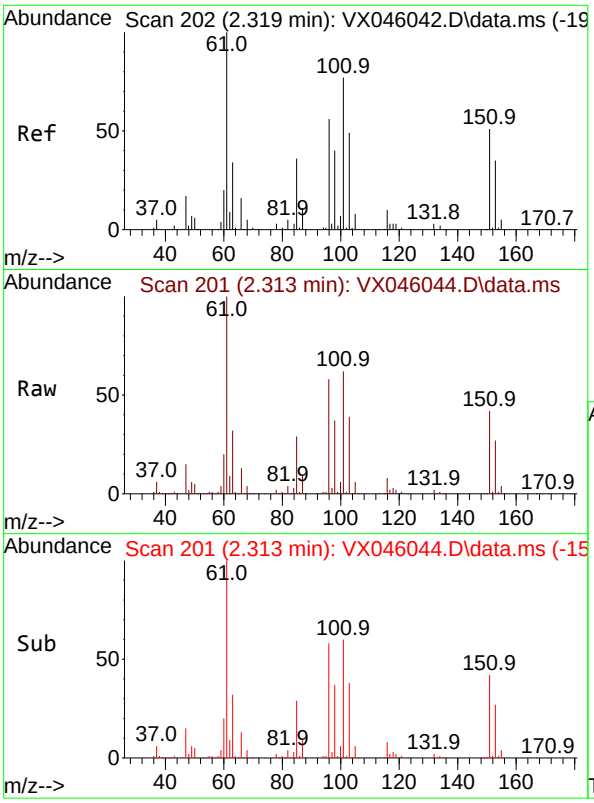


#8
Diethyl Ether
Concen: 111.791 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 74 Resp: 88441

Ion	Ratio	Lower	Upper
74	100		
45	104.7	54.9	164.8

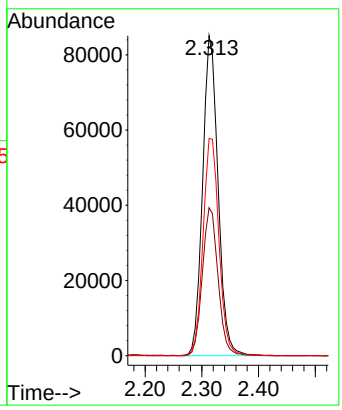




#9
1,1,2-Trichlorotrifluoroethane
Concen: 112.243 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:101 Resp: 16140

Ion	Ratio	Lower	Upper
101	100		
85	46.8	38.6	58.0
151	69.8	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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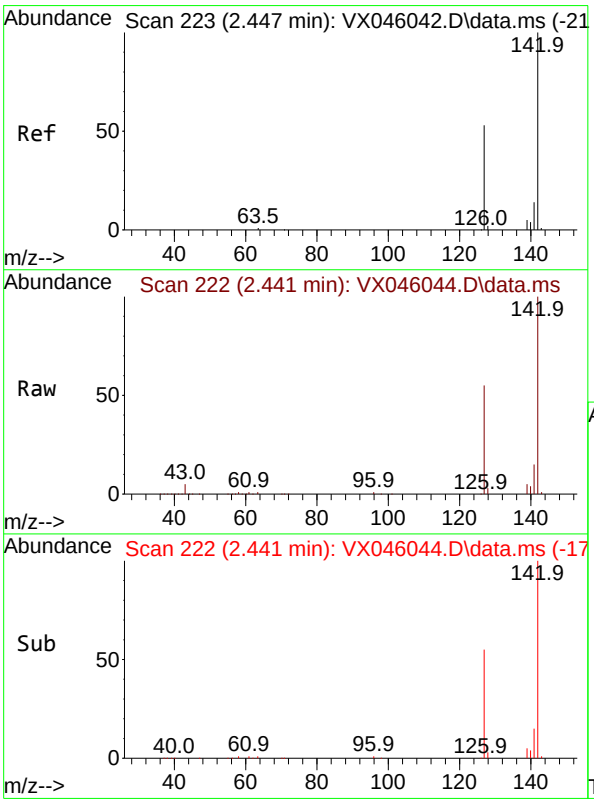
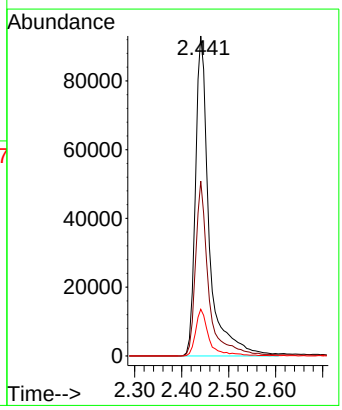
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

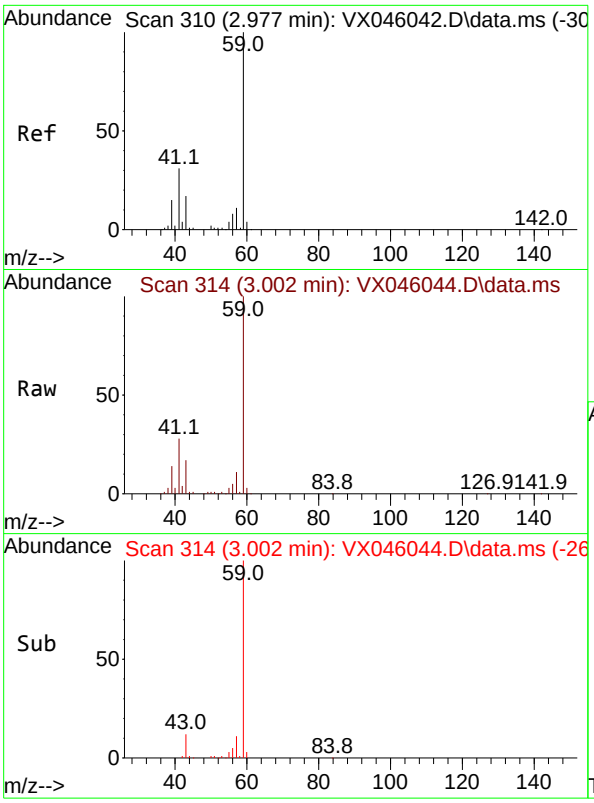


#10
Methyl Iodide
Concen: 112.441 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:142 Resp: 189843

Ion	Ratio	Lower	Upper
142	100		
127	52.4	41.7	62.5
141	14.4	11.5	17.3

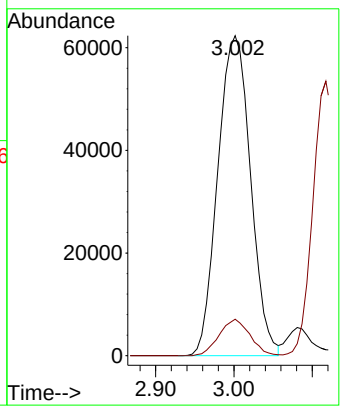




#11
Tert butyl alcohol
Concen: 616.119 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.024 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 59 Resp: 18123

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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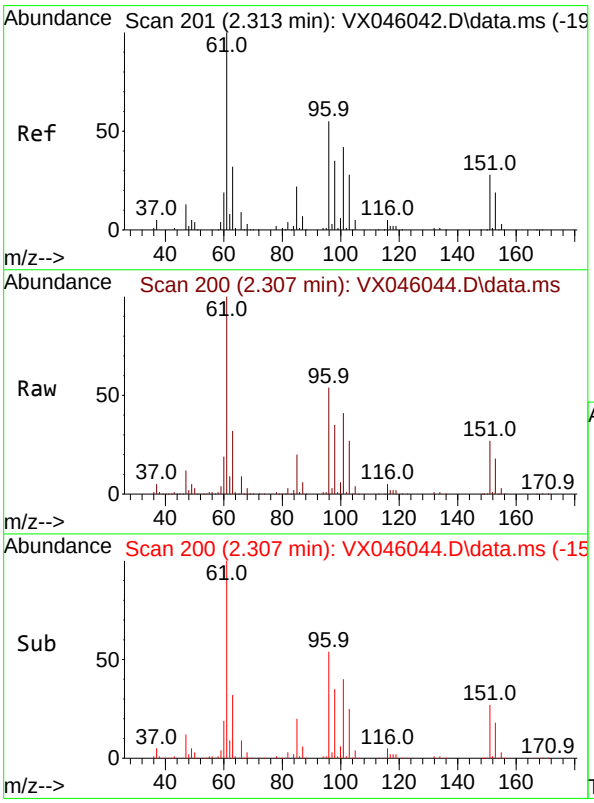
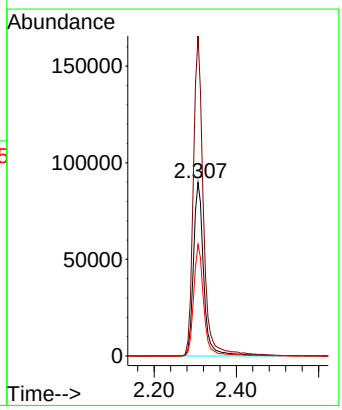
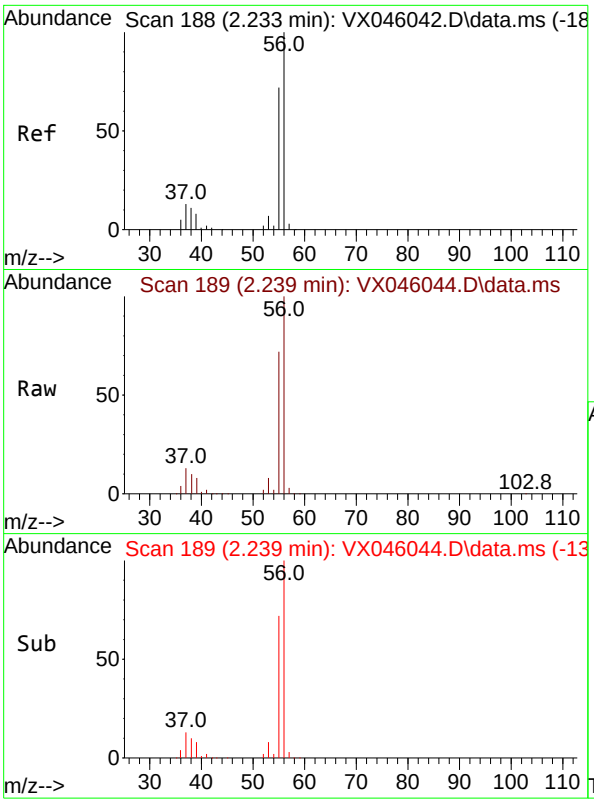


#12
1,1-Dichloroethene
Concen: 111.039 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 96 Resp: 155451

Ion	Ratio	Lower	Upper
96	100		
61	184.5	146.2	219.2
98	64.3	51.0	76.6

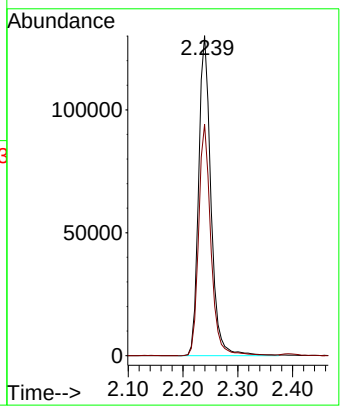




#13
Acrolein
Concen: 594.872 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 56 Resp: 20325

Ion	Ratio	Lower	Upper
56	100		
55	72.1	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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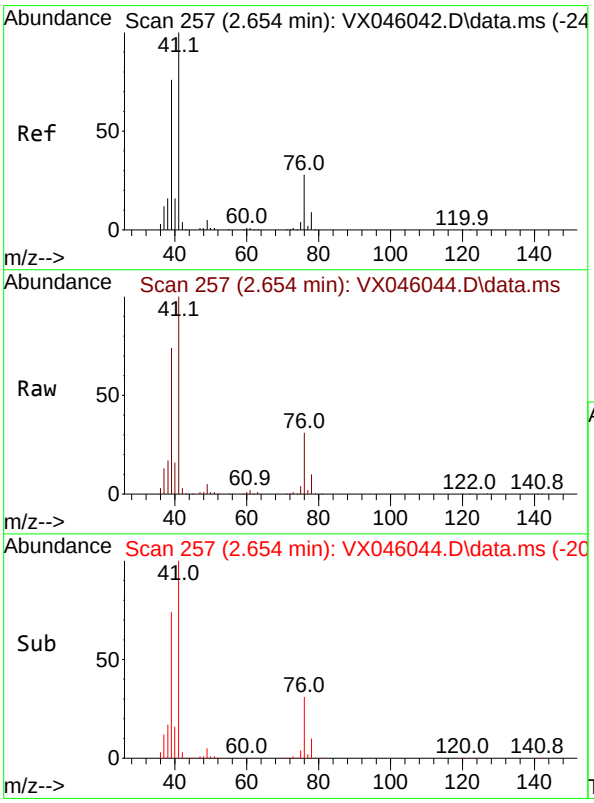
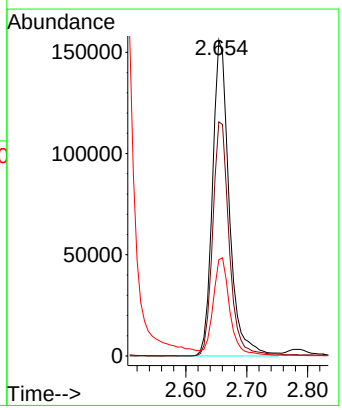
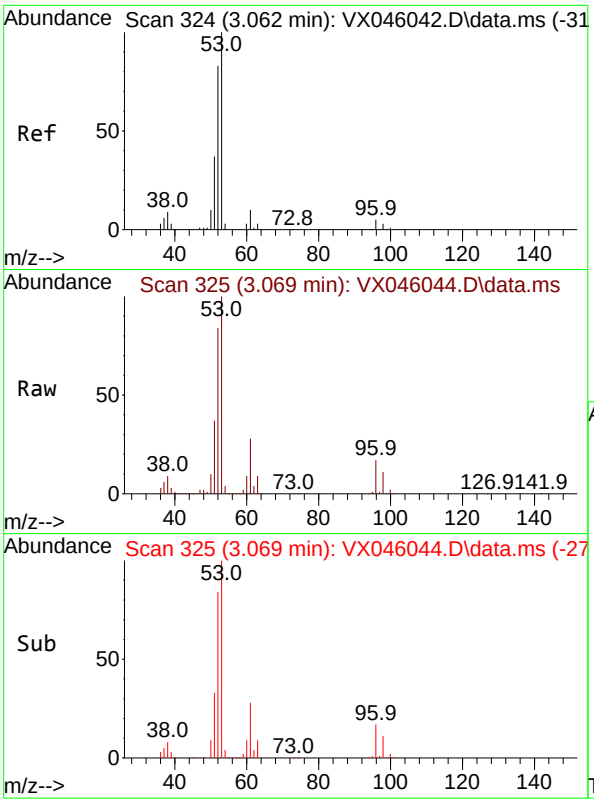


#14
Allyl chloride
Concen: 112.561 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 297776

Ion	Ratio	Lower	Upper
41	100		
39	73.7	60.6	90.8
76	31.8	24.9	37.3

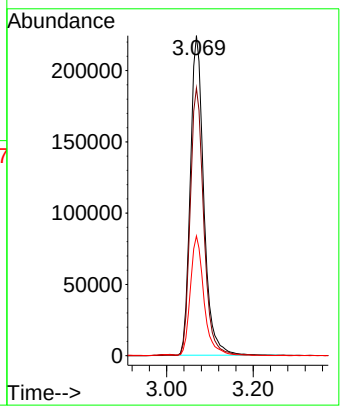




#15
Acrylonitrile
Concen: 550.973 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 53 Resp: 48485

Ion	Ratio	Lower	Upper
53	100		
52	84.2	65.3	97.9
51	37.5	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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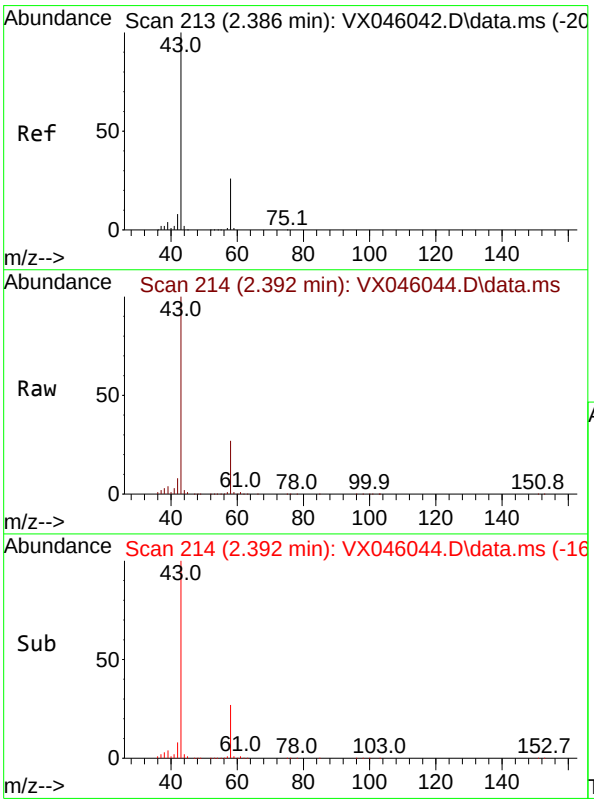
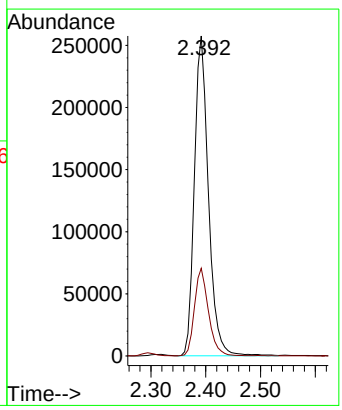
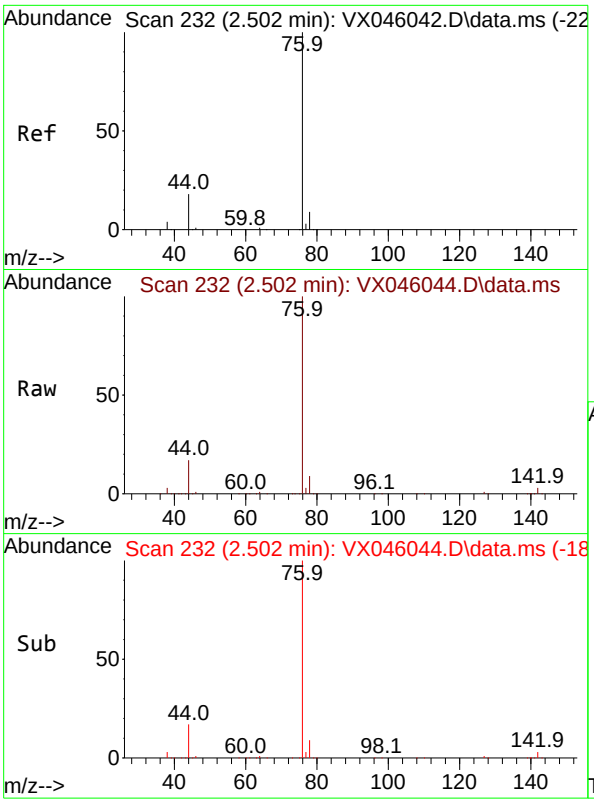


#16
Acetone
Concen: 545.754 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 460820

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.2	31.8

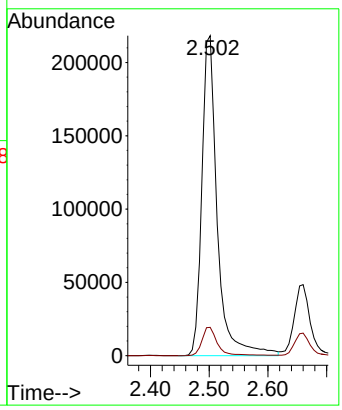




#17
Carbon Disulfide
Concen: 122.499 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 76 Resp: 39735

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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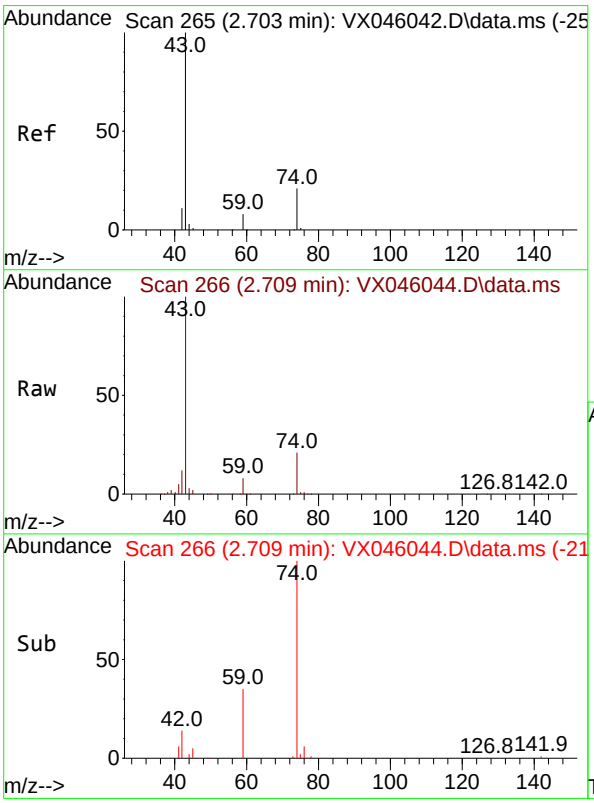
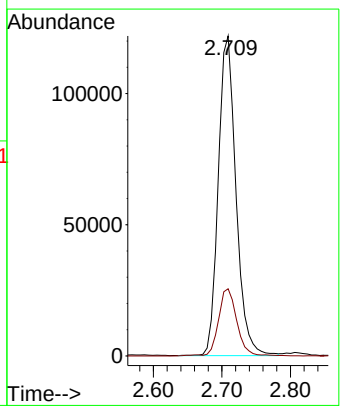
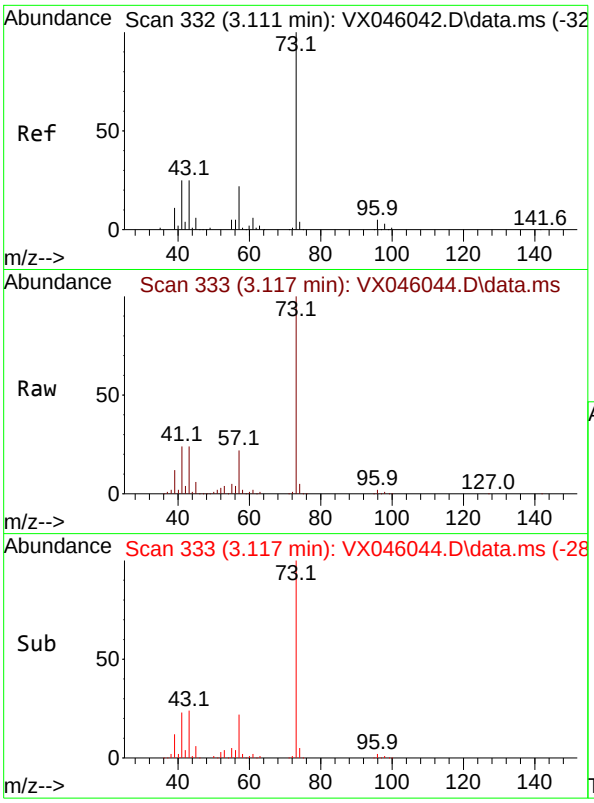


#18
Methyl Acetate
Concen: 108.099 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 217885

Ion	Ratio	Lower	Upper
43	100		
74	21.9	16.7	25.1

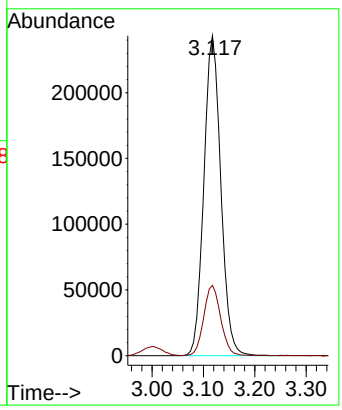




#19
Methyl tert-butyl Ether
Concen: 114.112 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 73 Resp: 55721

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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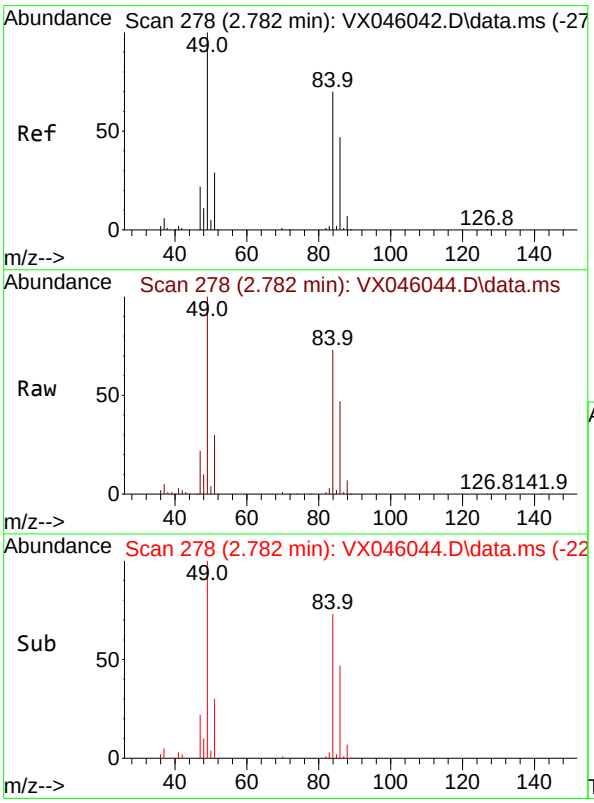
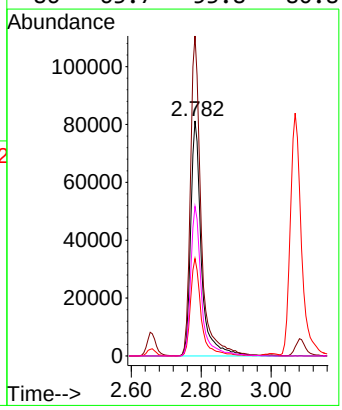
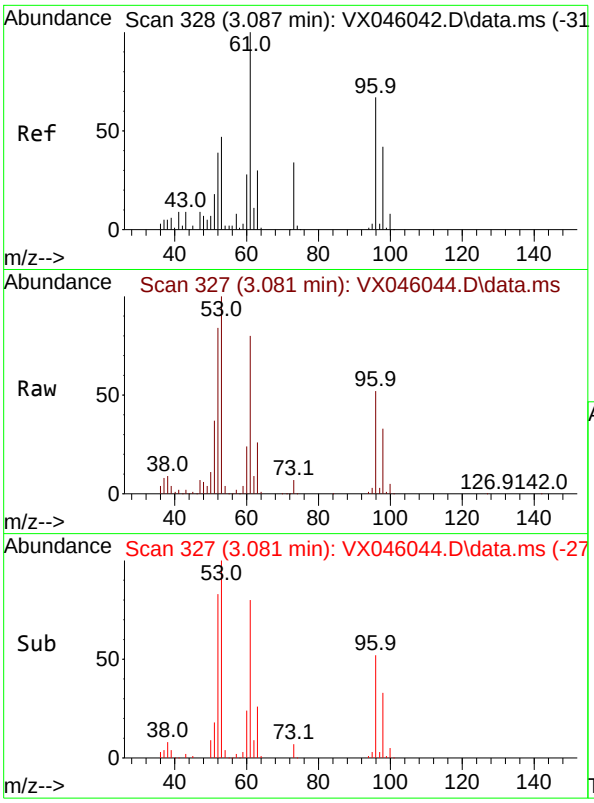


#20
Methylene Chloride
Concen: 100.579 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 84 Resp: 172035

Ion	Ratio	Lower	Upper
84	100		
49	136.0	113.9	170.9
51	41.5	33.5	50.3
86	63.7	53.8	80.8

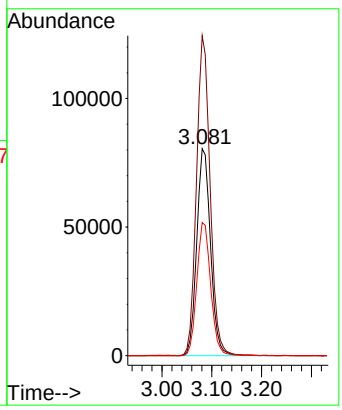




#21
trans-1,2-Dichloroethene
Concen: 108.241 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 96 Resp: 15469

Ion	Ratio	Lower	Upper
96	100		
61	154.6	119.5	179.3
98	64.3	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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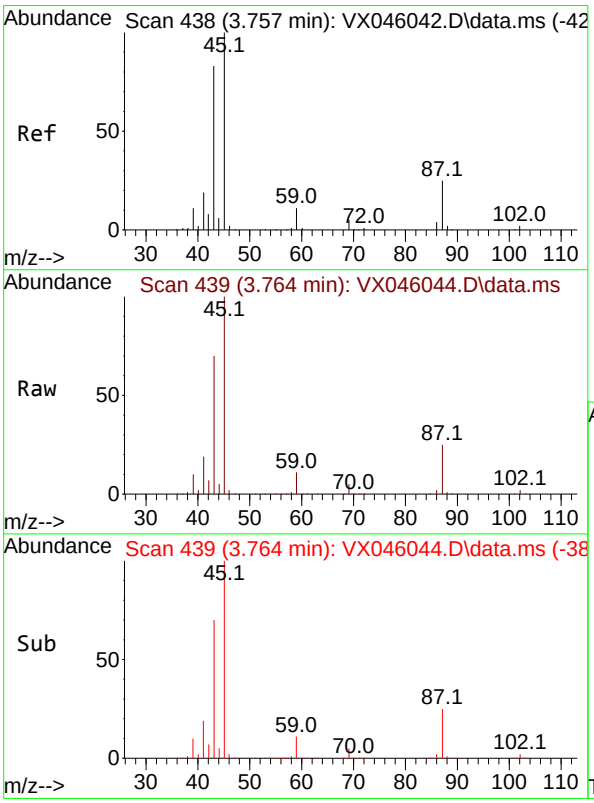
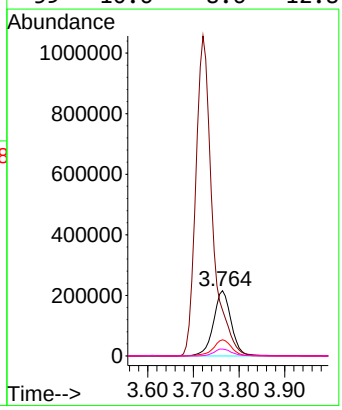
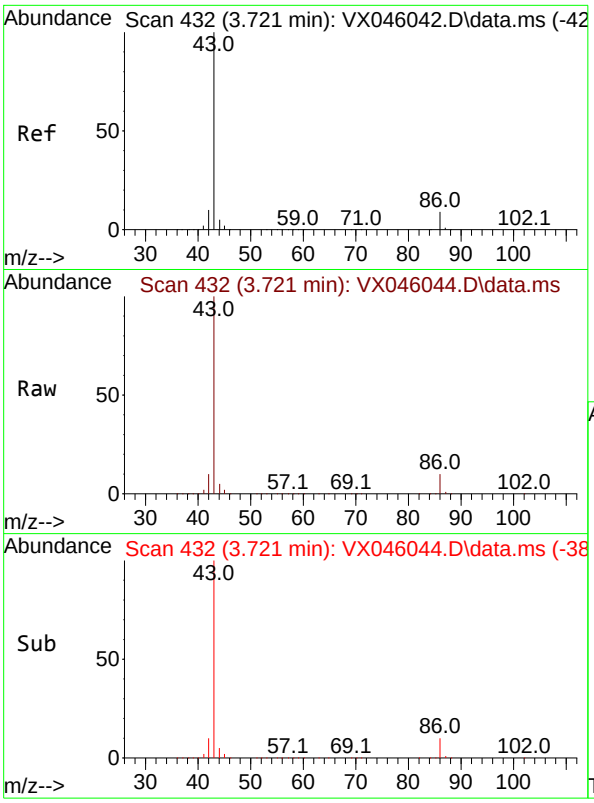


#22
Diisopropyl ether
Concen: 116.858 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 45 Resp: 577610

Ion	Ratio	Lower	Upper
45	100		
43	70.3	66.6	100.0
87	24.7	19.8	29.6
59	10.6	8.6	12.8





#23
Vinyl Acetate
Concen: 608.005 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 265575

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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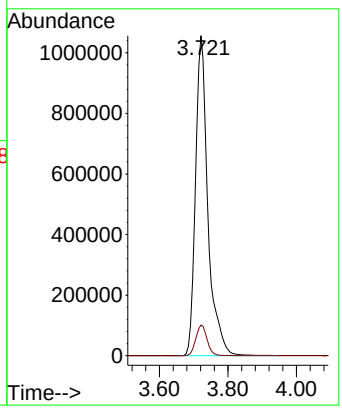
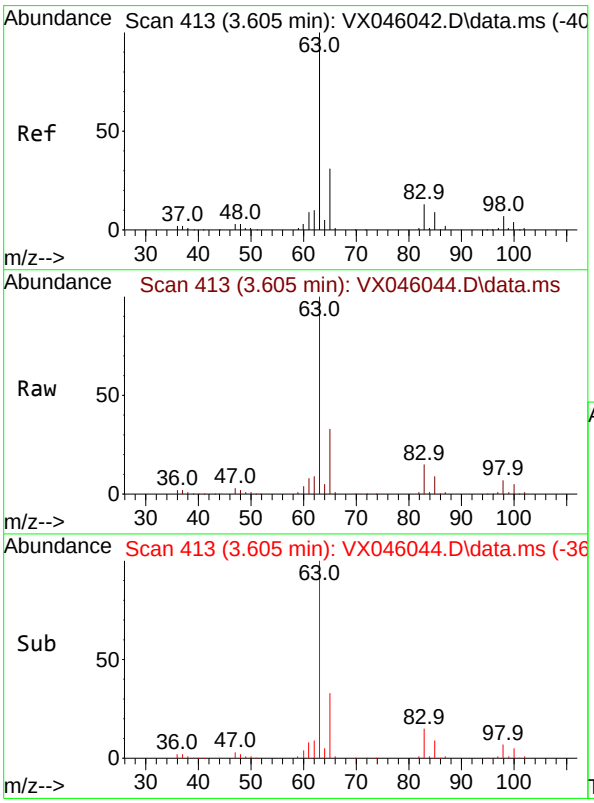
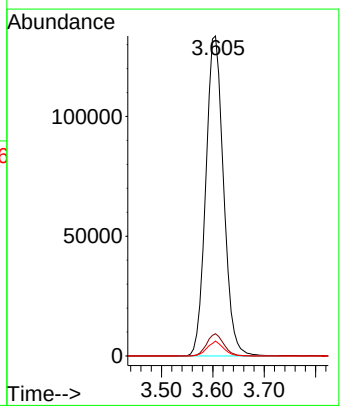


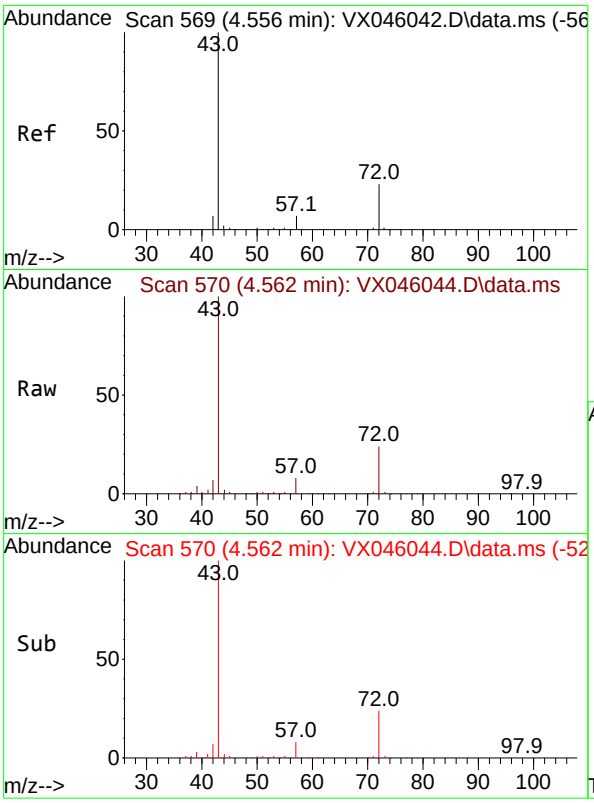


#24
1,1-Dichloroethane
Concen: 110.182 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 63 Resp: 320083

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.6	10.8
100	4.7	2.1	6.3

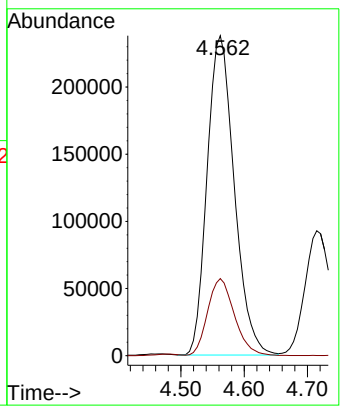




#25
2-Butanone
Concen: 581.292 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 70846

Ion	Ratio	Lower	Upper
43	100		
72	24.0	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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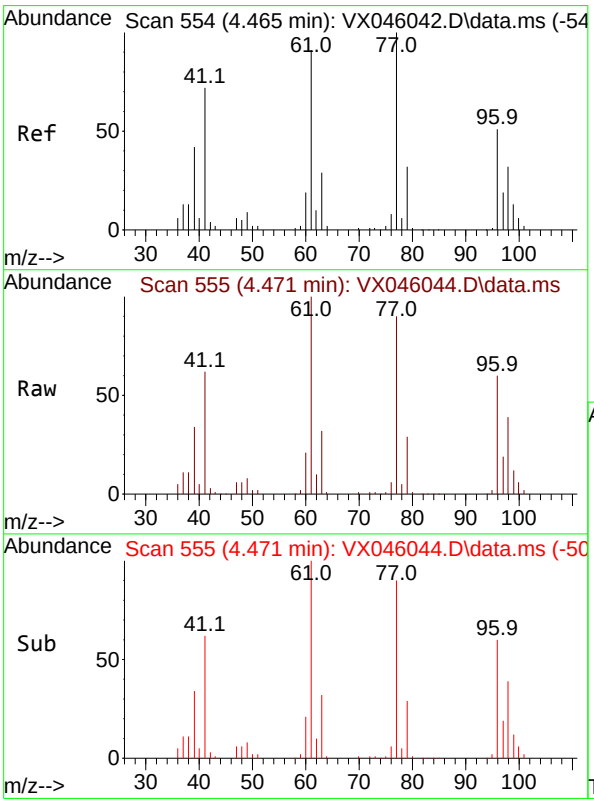
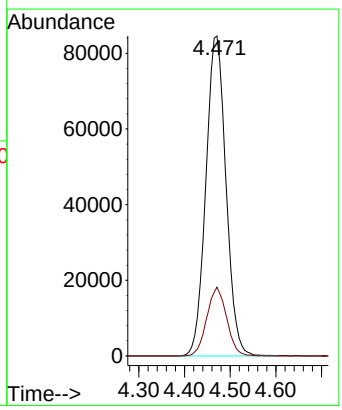
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

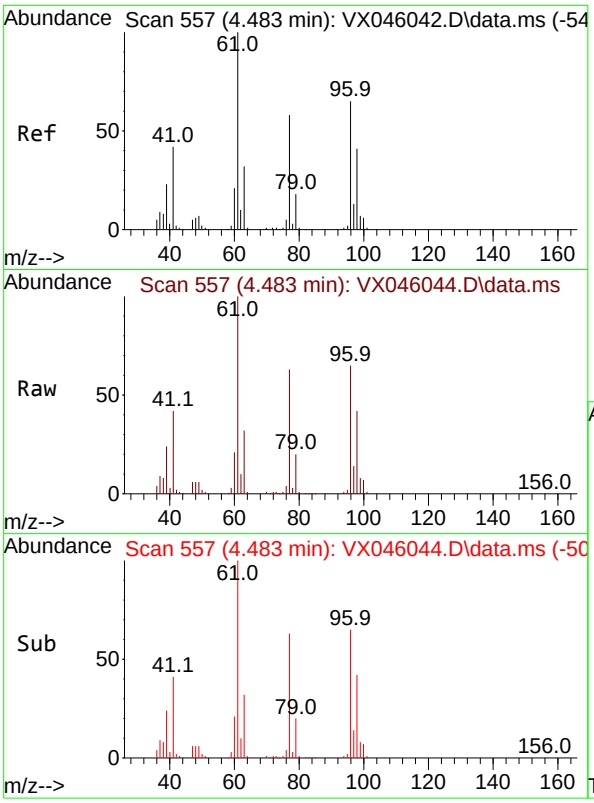


#26
2,2-Dichloropropane
Concen: 117.548 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 77 Resp: 258698

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.5	31.5

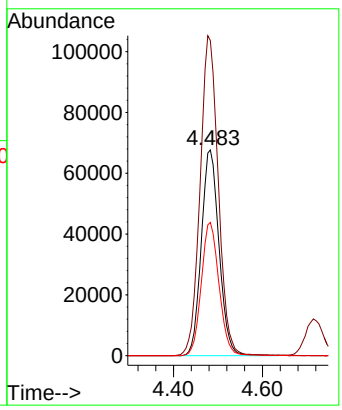




#27
cis-1,2-Dichloroethene
Concen: 108.994 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 96 Resp: 18783

Ion	Ratio	Lower	Upper
96	100		
61	159.8	0.0	322.8
98	64.8	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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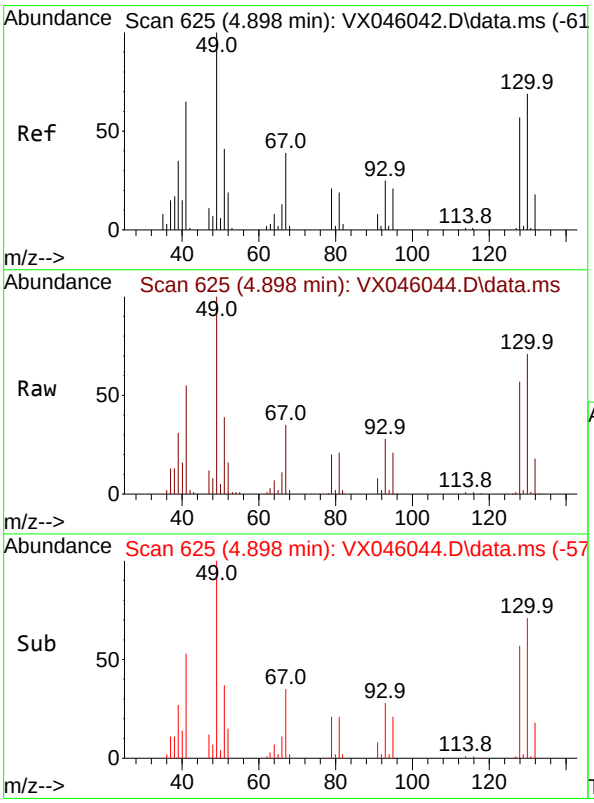
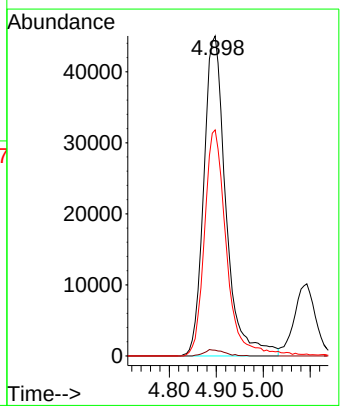
Supervised By :Mahesh Dadoda 05/06/2025

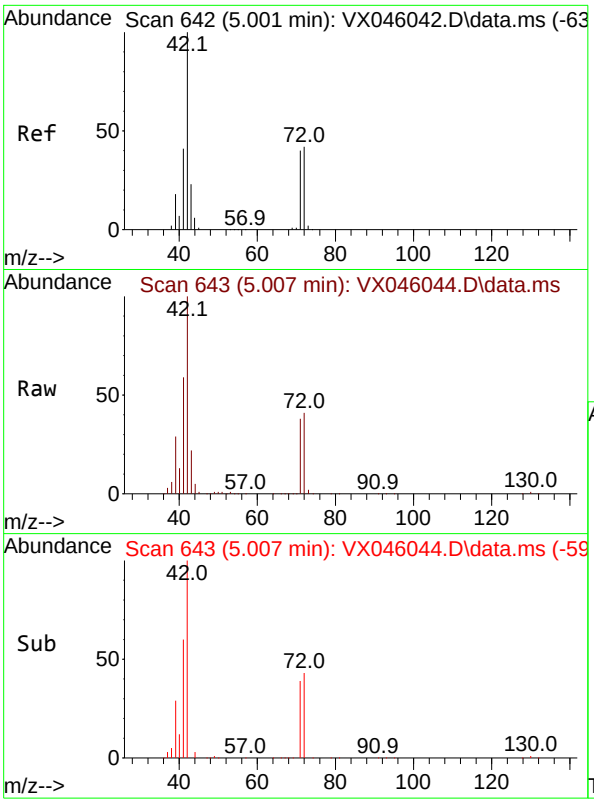


#28
Bromochloromethane
Concen: 95.108 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 49 Resp: 146923

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	70.5	56.2	84.2





#29
Tetrahydrofuran
Concen: 569.081 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 42 Resp: 45045

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	38.7	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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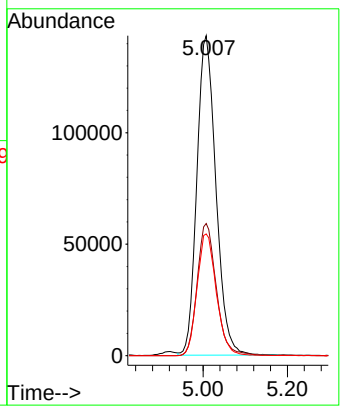
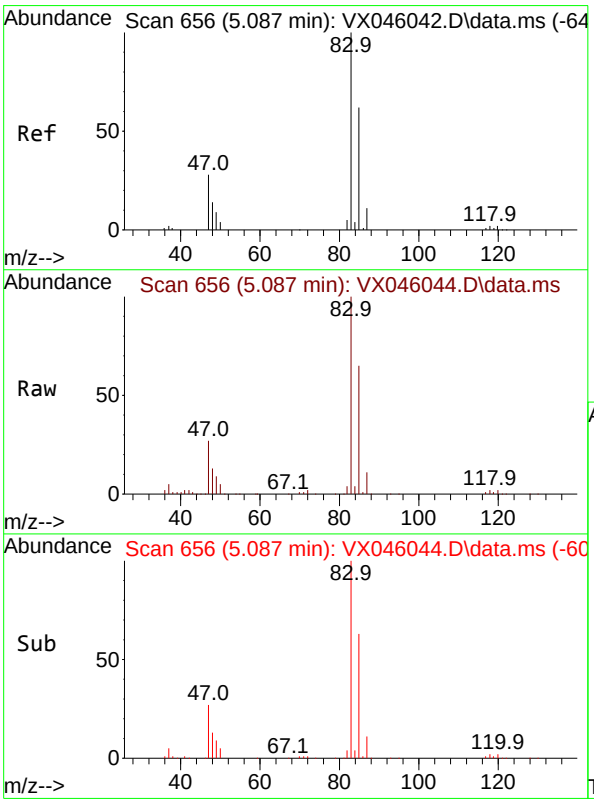
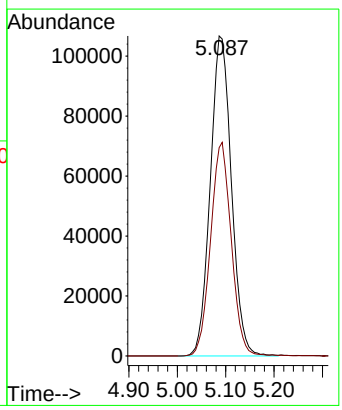


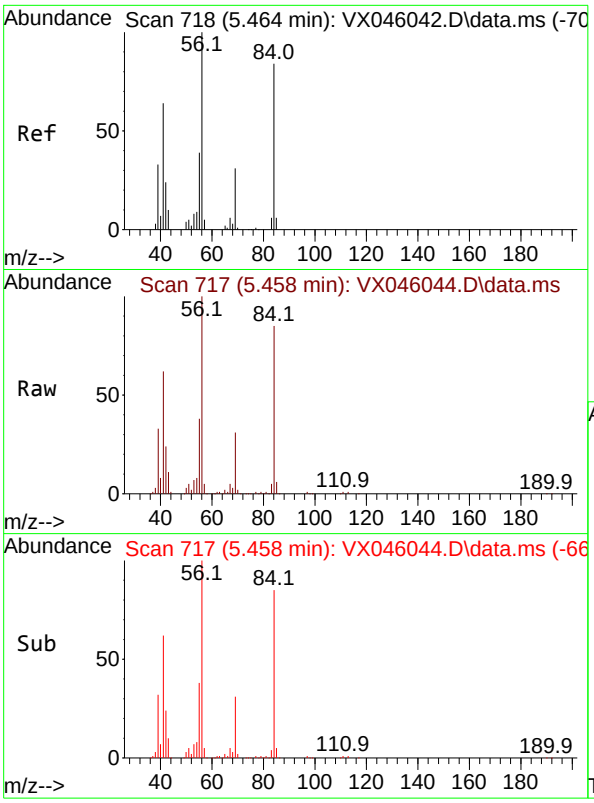


#30
Chloroform
Concen: 107.208 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 323659

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.3	73.9

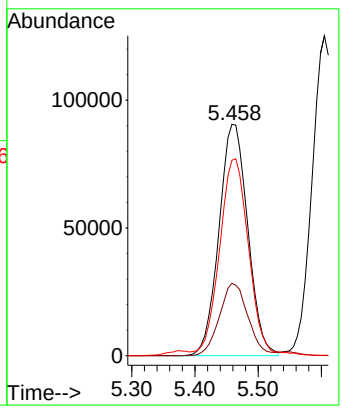




#31
Cyclohexane
Concen: 116.934 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 56 Resp: 28631

Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.4	36.6
84	82.8	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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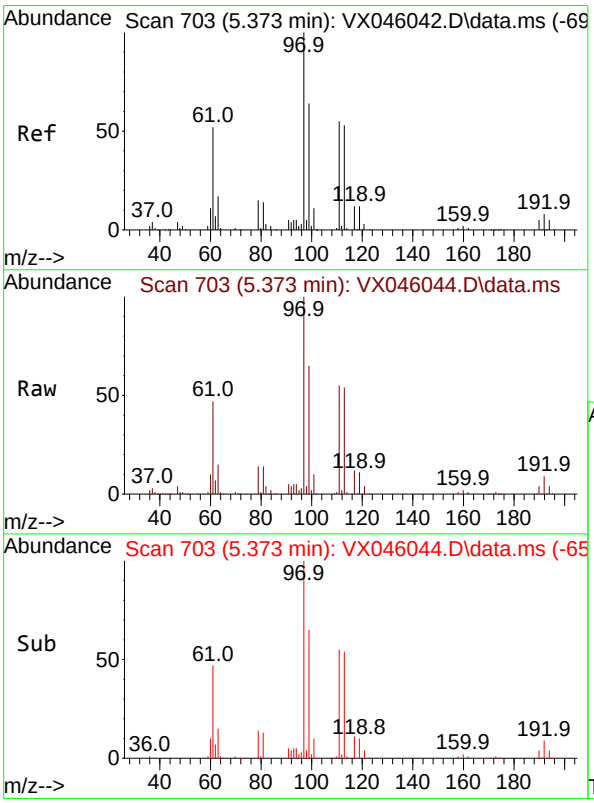
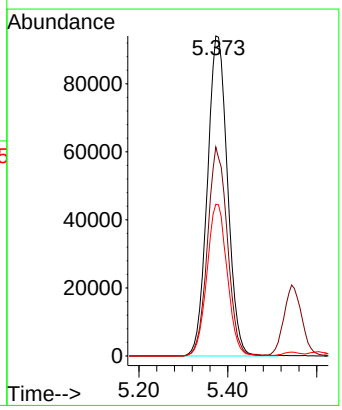
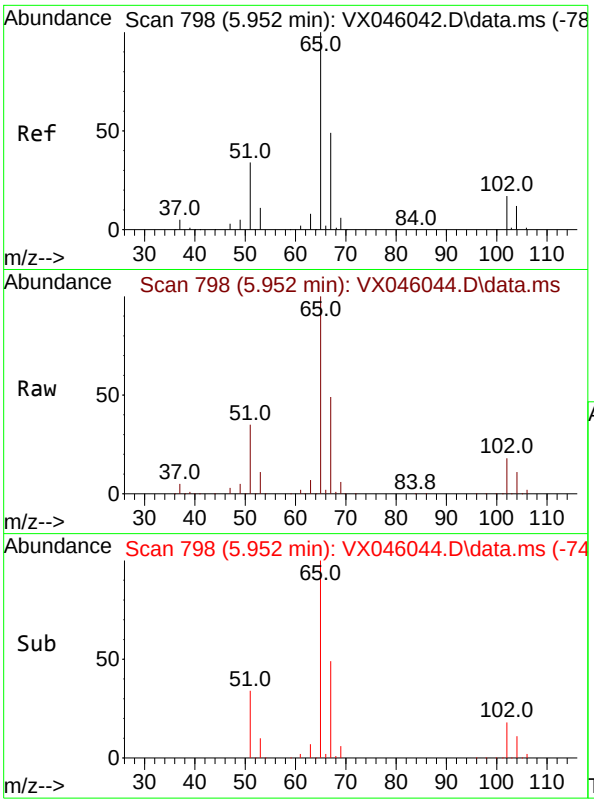


#32
1,1,1-Trichloroethane
Concen: 113.572 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 97 Resp: 295702

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	48.0	40.1	60.1

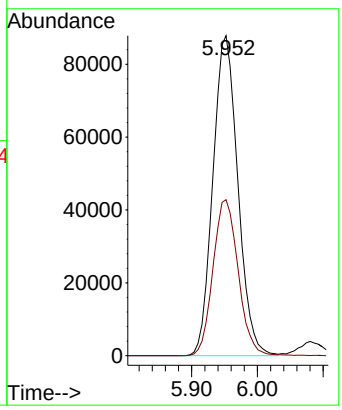




#33
1,2-Dichloroethane-d4
Concen: 93.983 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 65 Resp: 23195

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
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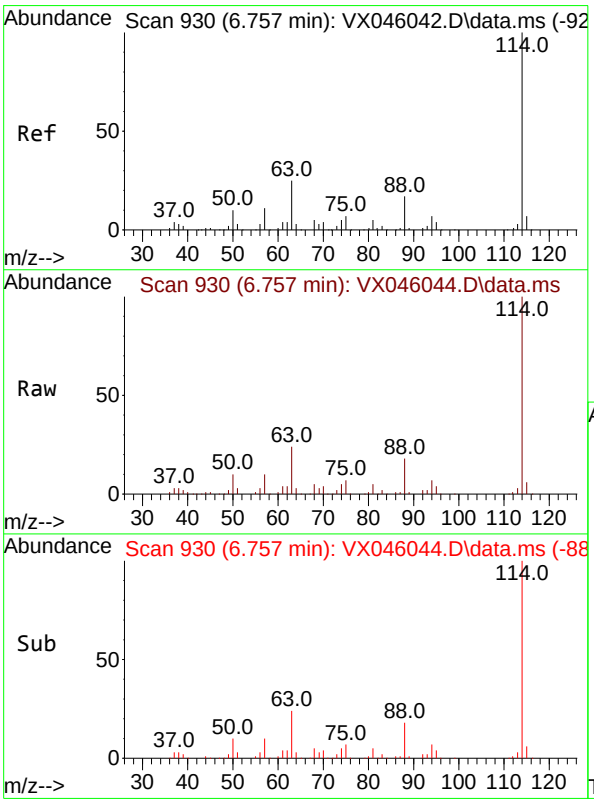
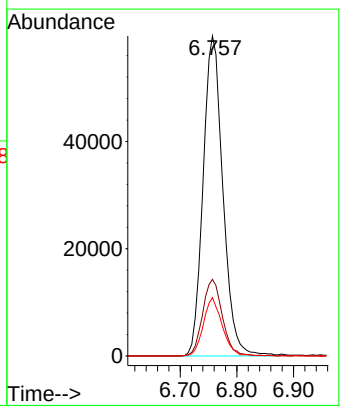
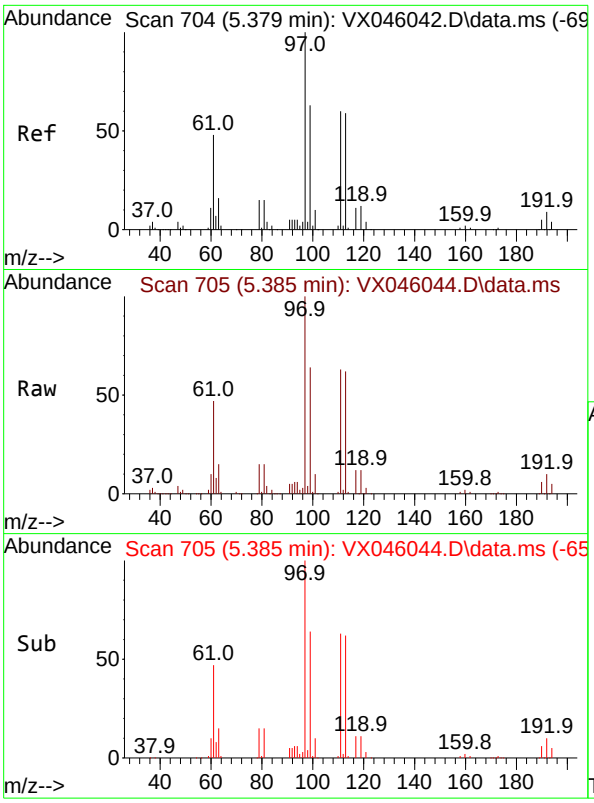


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:114 Resp: 144975

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	49.2
88	18.3	0.0	33.6

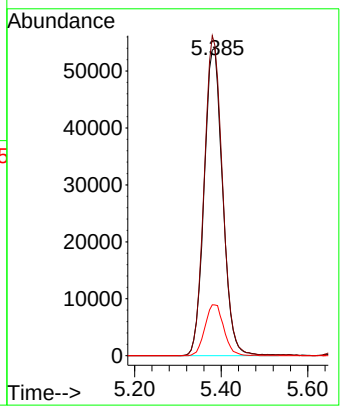




#35
Dibromofluoromethane
Concen: 98.562 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:113 Resp: 16016

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	16.9	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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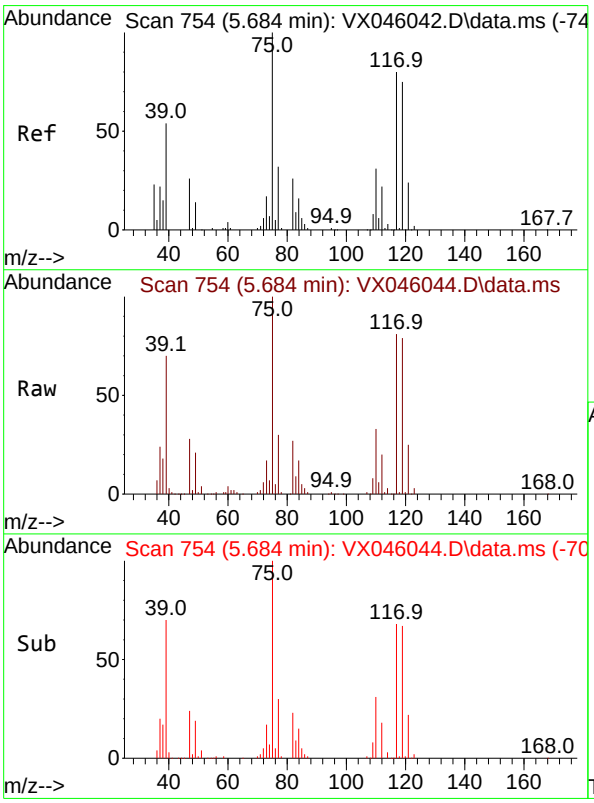
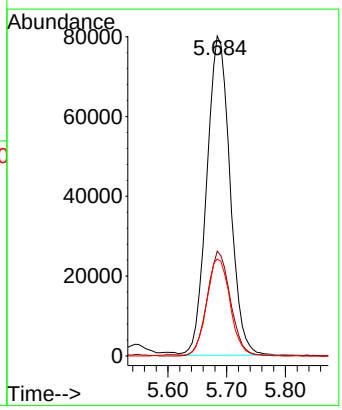
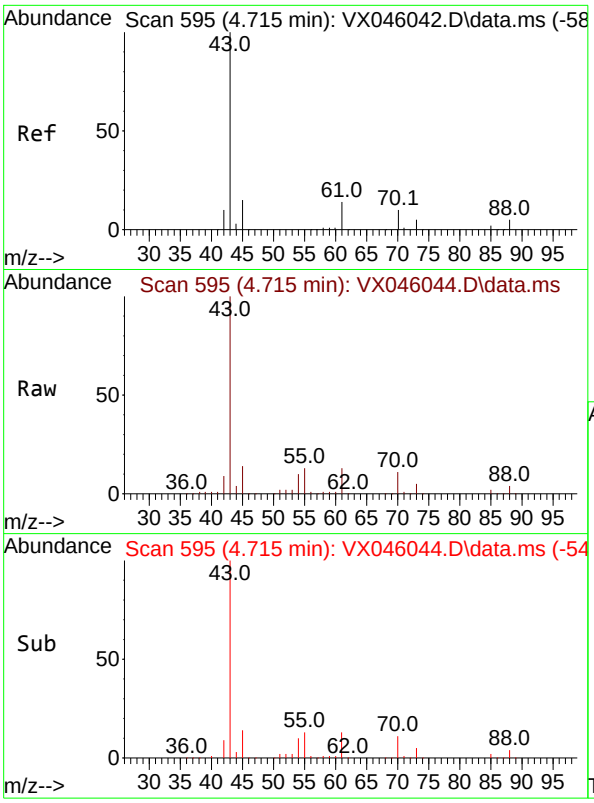


#36
1,1-Dichloropropene
Concen: 116.462 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 219731

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.3	48.9
77	30.8	24.3	36.5

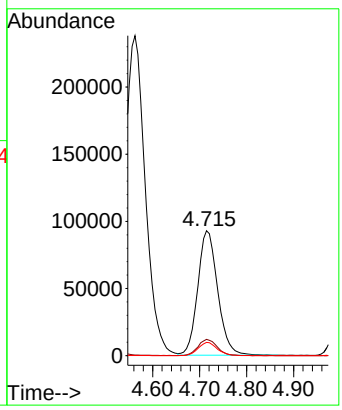




#37
Ethyl Acetate
Concen: 115.889 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 27431

Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.3	15.5
70	10.2	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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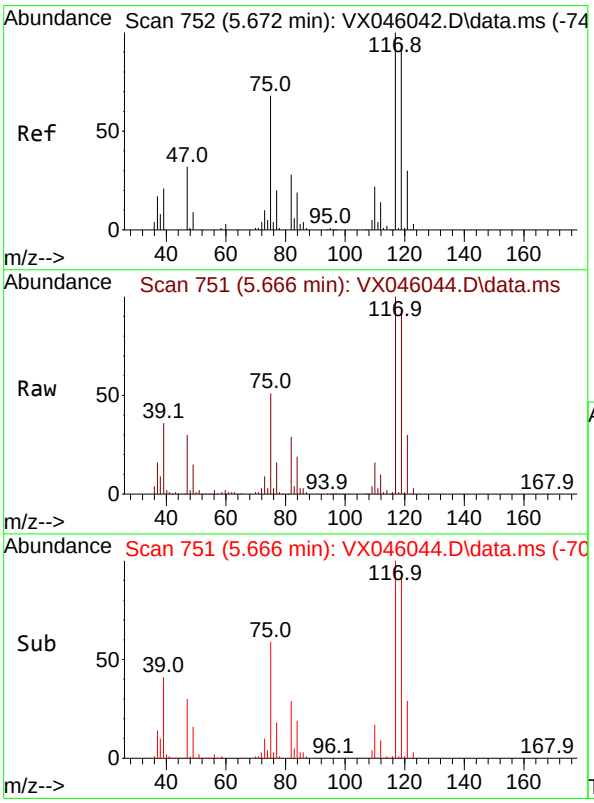
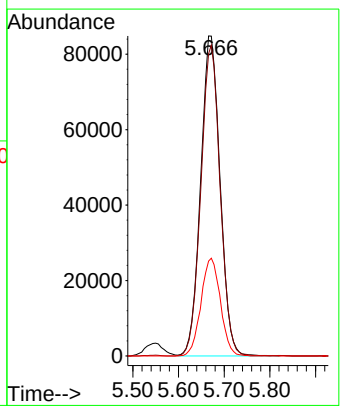
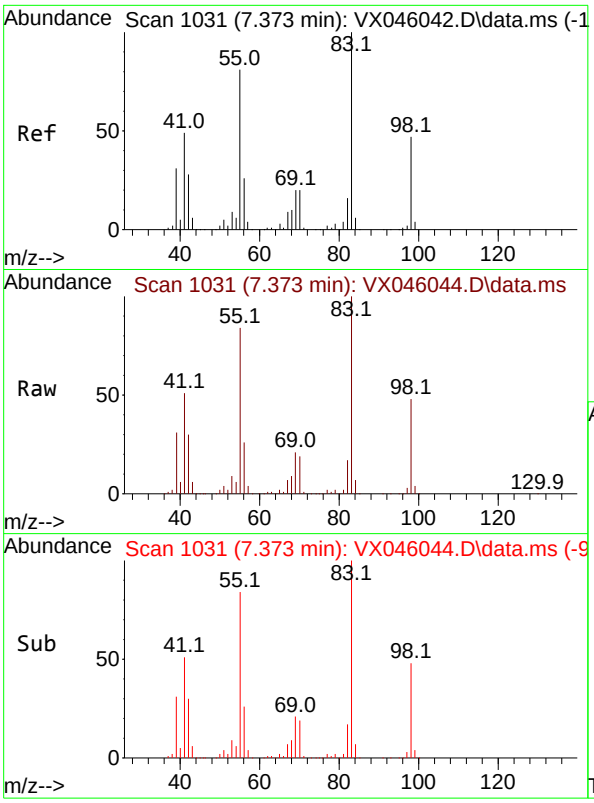


#38
Carbon Tetrachloride
Concen: 115.760 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 250916

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.2	112.8
121	29.7	24.2	36.4

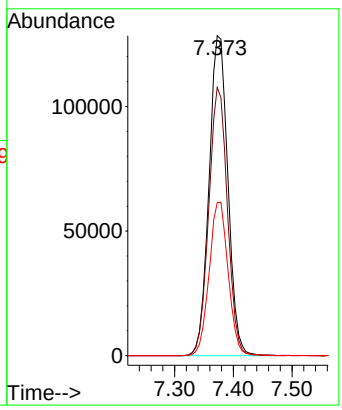




#39
Methylcyclohexane
Concen: 121.107 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 28631

Ion	Ratio	Lower	Upper
83	100		
55	83.8	64.7	97.1
98	47.8	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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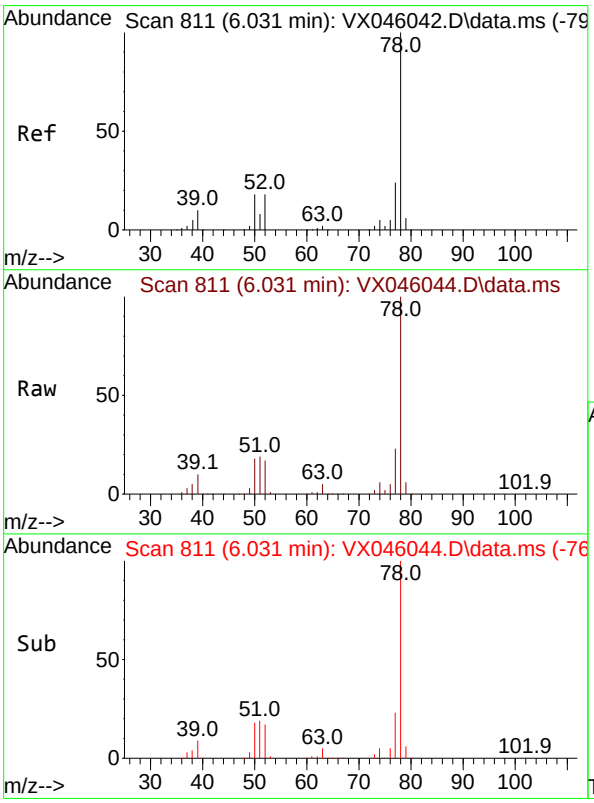
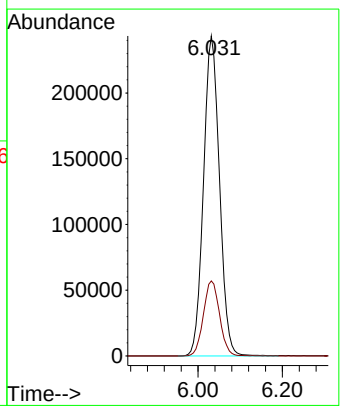
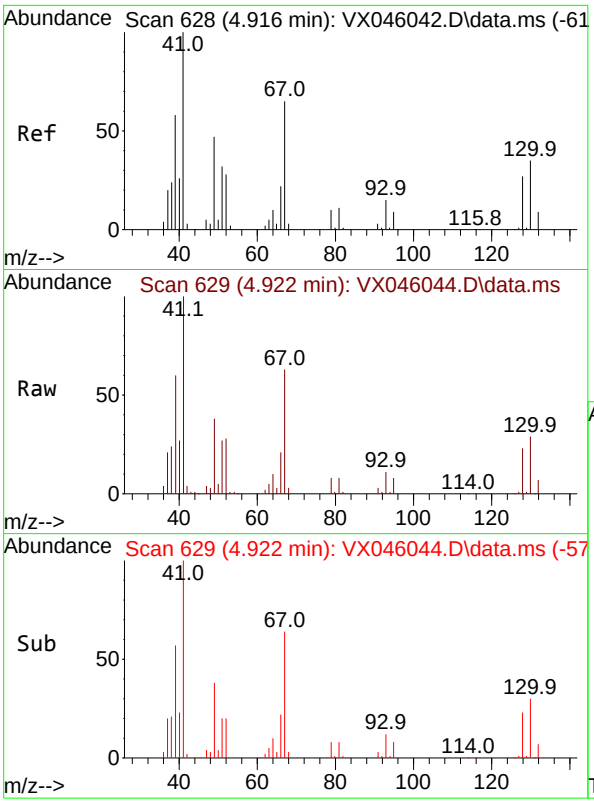


#40
Benzene
Concen: 109.813 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 78 Resp: 642178

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4

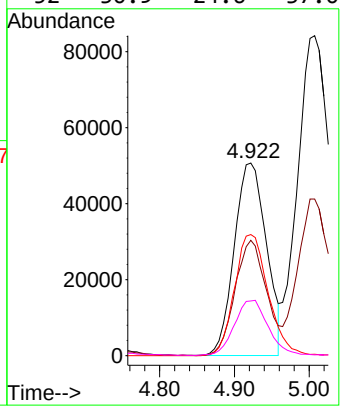




#41
Methacrylonitrile
Concen: 115.139 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 15142

Ion	Ratio	Lower	Upper
41	100		
39	60.0	47.2	70.8
67	65.9	50.7	76.1
52	30.9	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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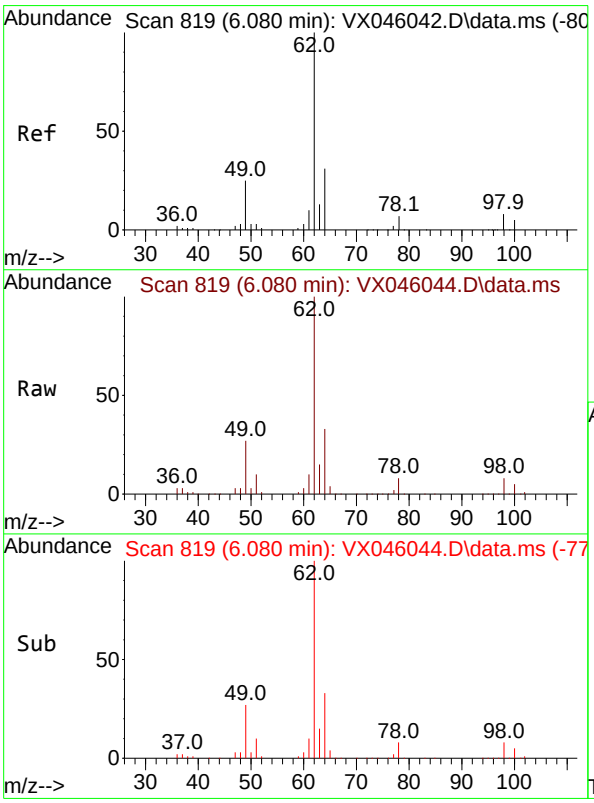
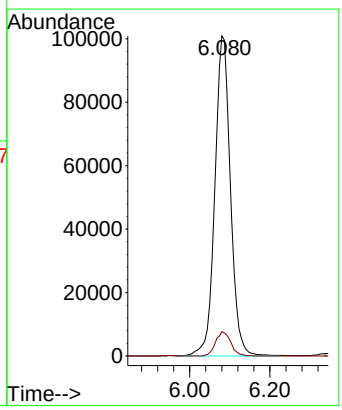
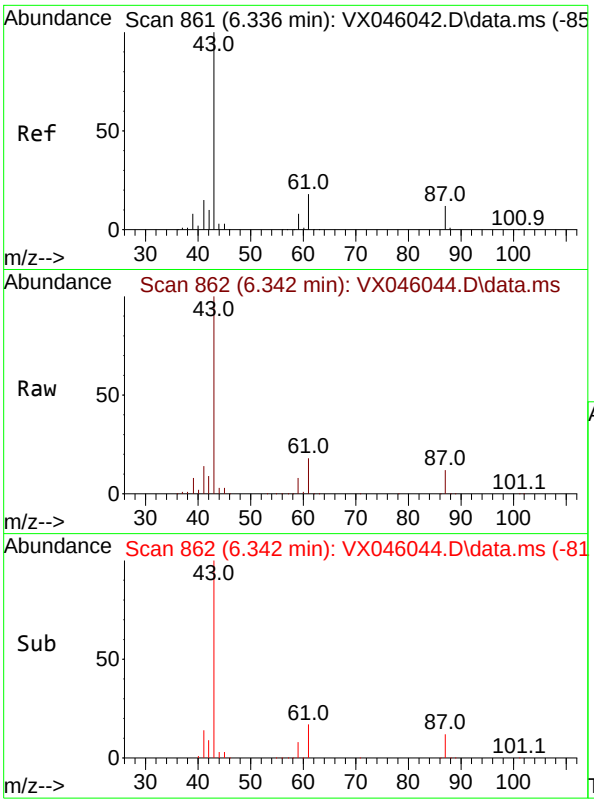


#42
1,2-Dichloroethane
Concen: 112.492 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 62 Resp: 271992

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2

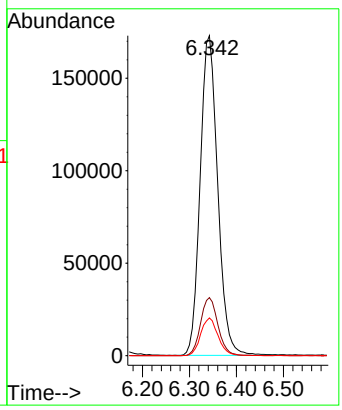




#43
Isopropyl Acetate
Concen: 123.780 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 44787

Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.3	21.5
87	11.7	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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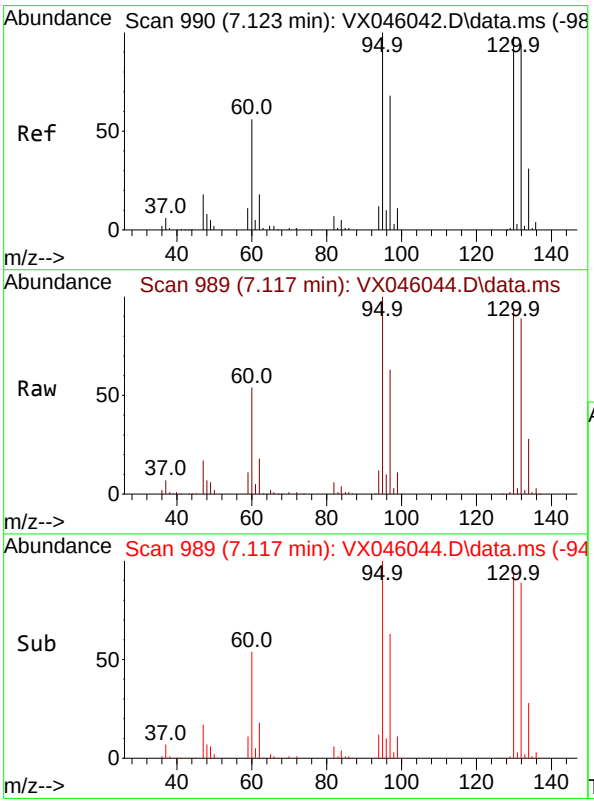
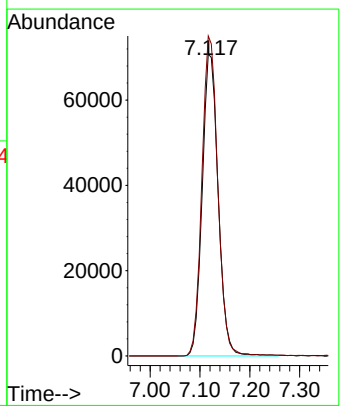
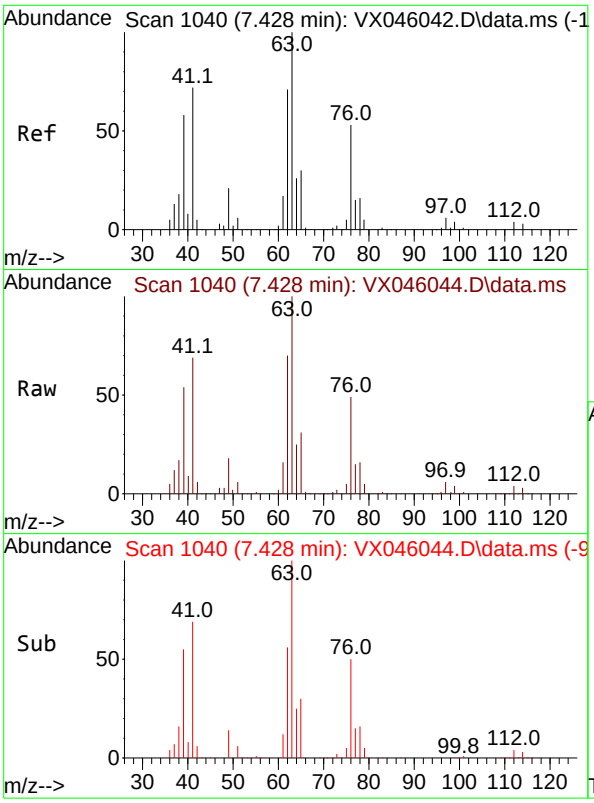


#44
Trichloroethene
Concen: 114.032 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:130 Resp: 157641

Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	204.2

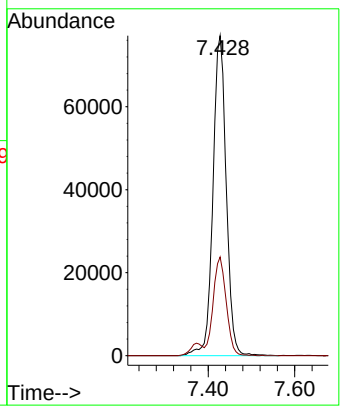




#45
1,2-Dichloropropane
Concen: 113.217 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 63 Resp: 16450

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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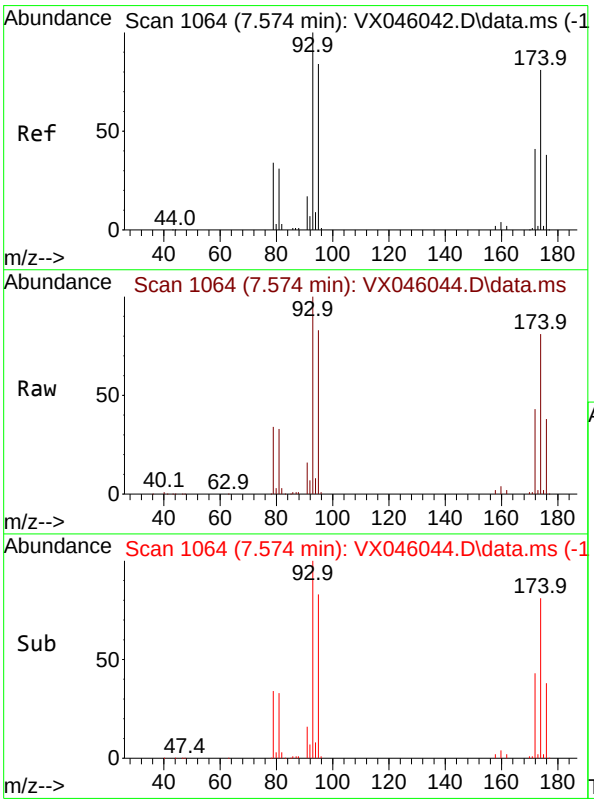
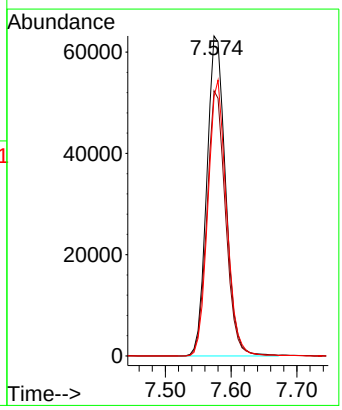
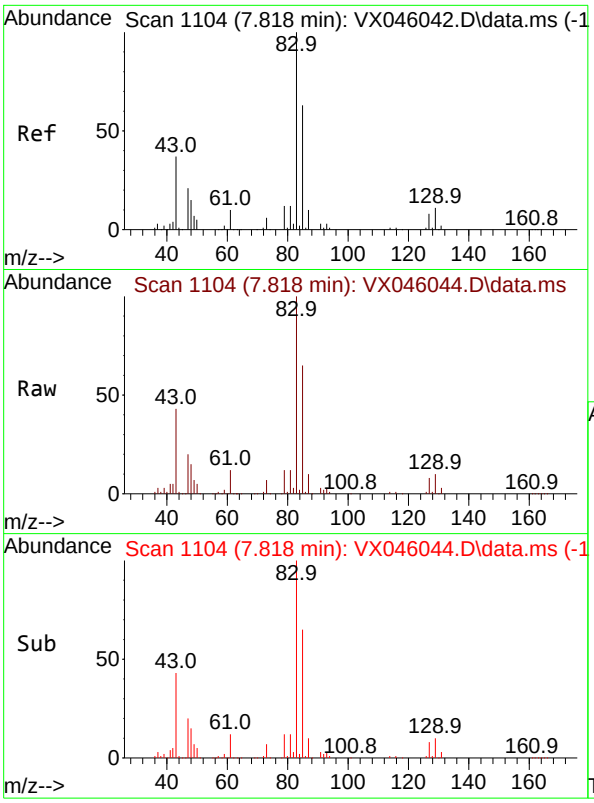


#46
Dibromomethane
Concen: 109.869 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 93 Resp: 125846

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.6	98.4
174	85.0	68.2	102.2

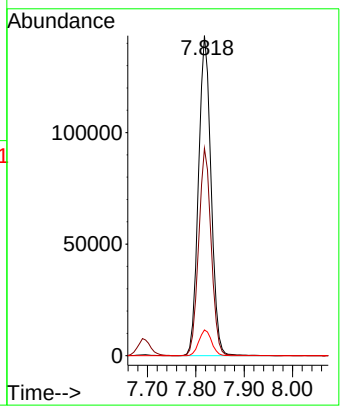




#47
Bromodichloromethane
Concen: 116.365 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 25832

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.5	75.7
127	8.0	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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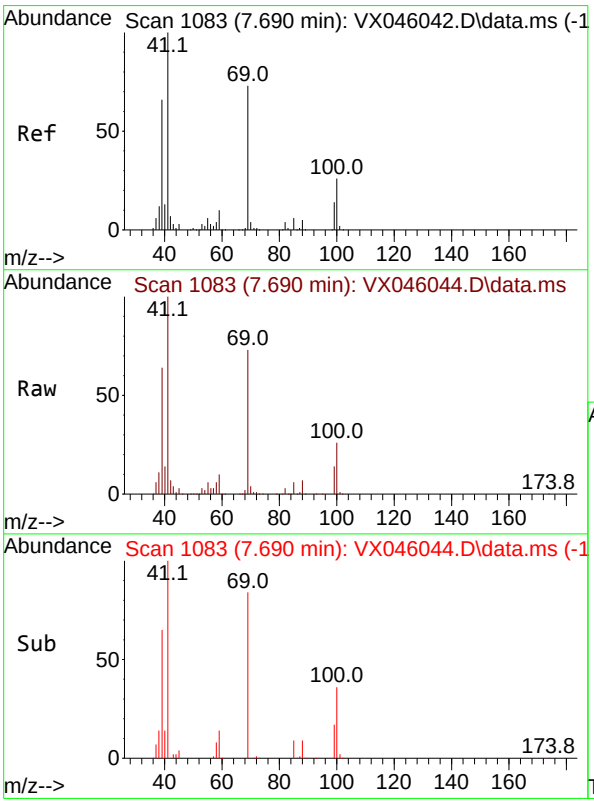
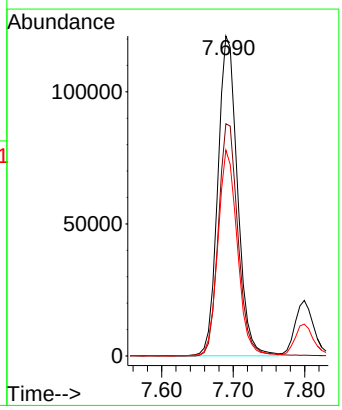
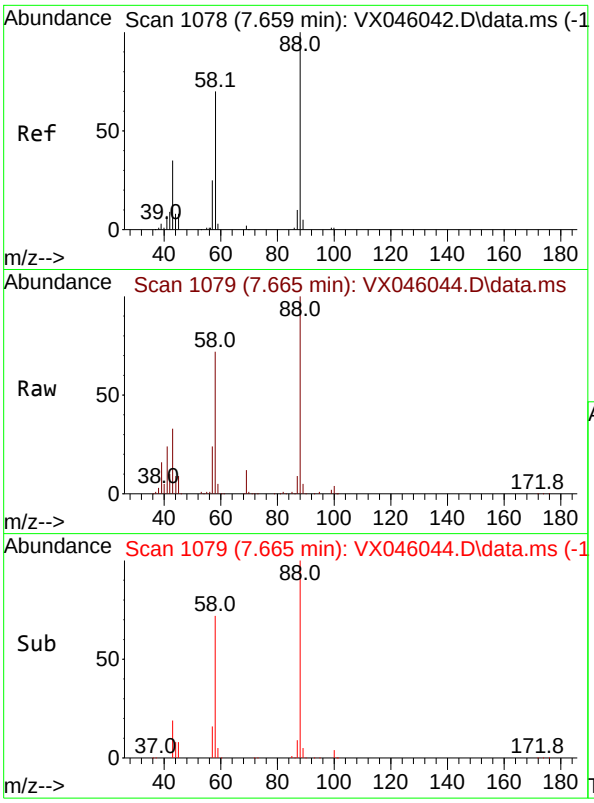


#48
Methyl methacrylate
Concen: 124.356 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 231040

Ion	Ratio	Lower	Upper
41	100		
69	73.0	58.5	87.7
39	63.8	51.7	77.5





#49
1,4-Dioxane
Concen: 2241.695 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 88 Resp: 8280

Ion	Ratio	Lower	Upper
88	100		
43	40.0	33.4	50.2
58	74.8	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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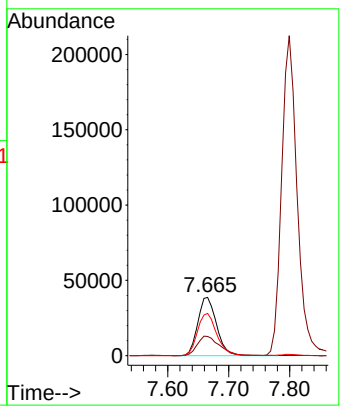
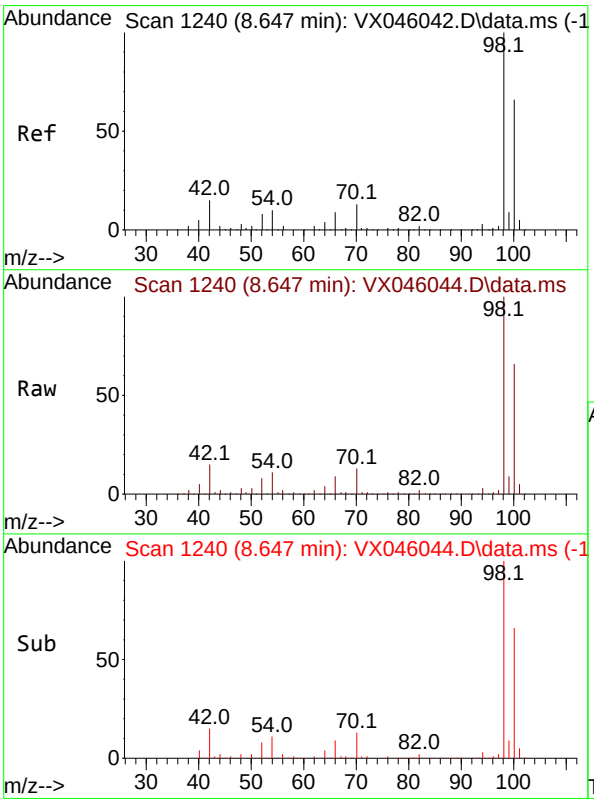
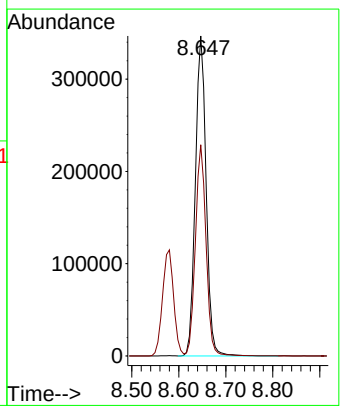


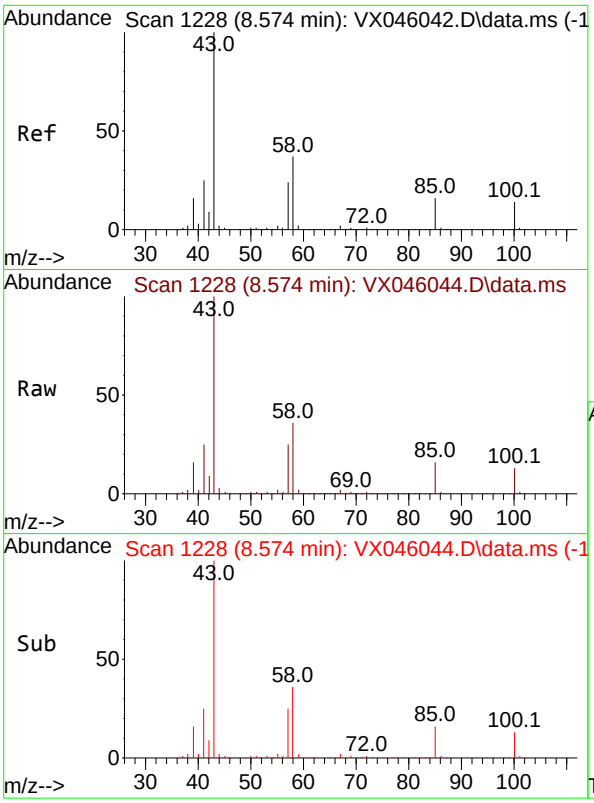


#50
Toluene-d8
Concen: 101.252 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 98 Resp: 554390

Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.5	80.3

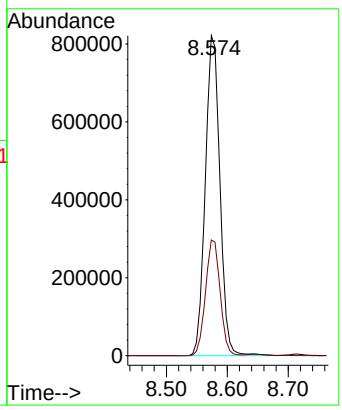




#51
4-Methyl-2-Pentanone
Concen: 577.831 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 137127

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.9	43.3



Instrument :
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ClientSampleId :
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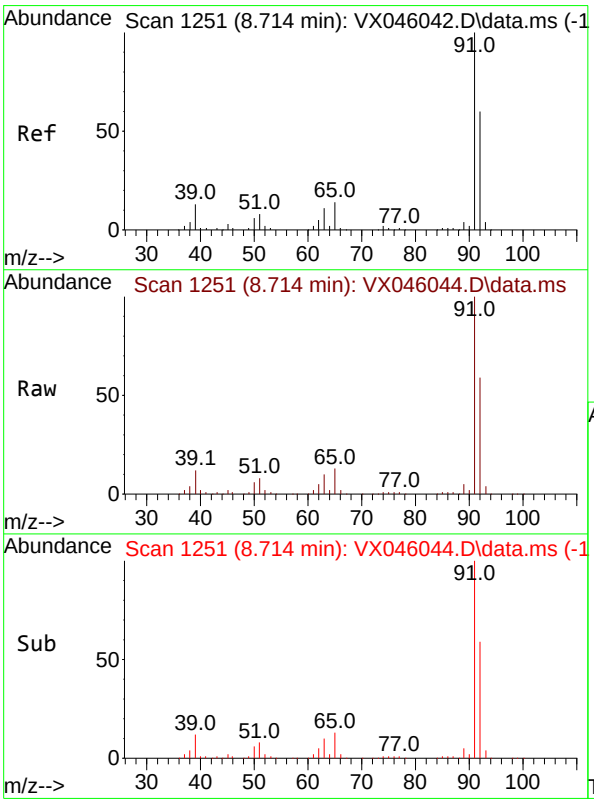
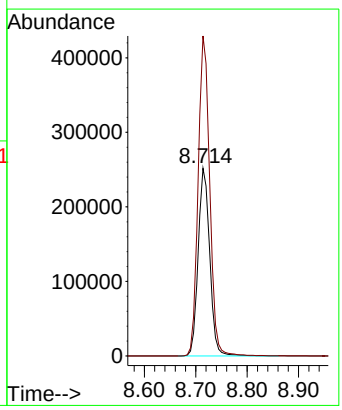
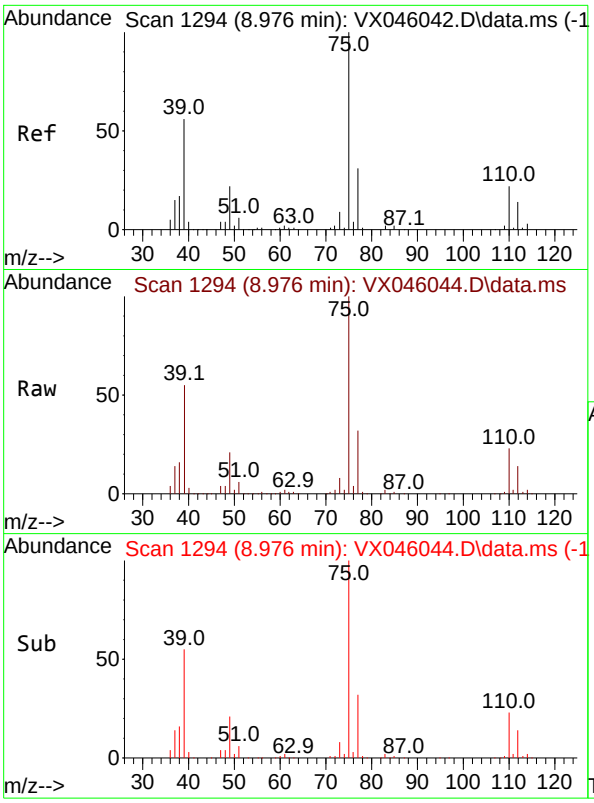


#52
Toluene
Concen: 113.430 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 92 Resp: 393323

Ion	Ratio	Lower	Upper
92	100		
91	171.0	136.6	205.0

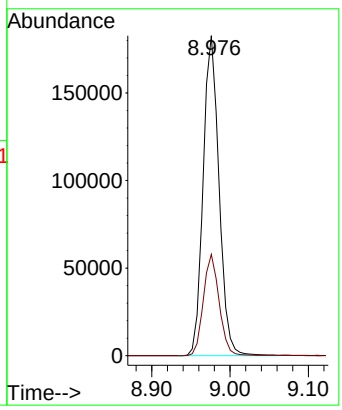




#53
t-1,3-Dichloropropene
Concen: 138.001 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 25723

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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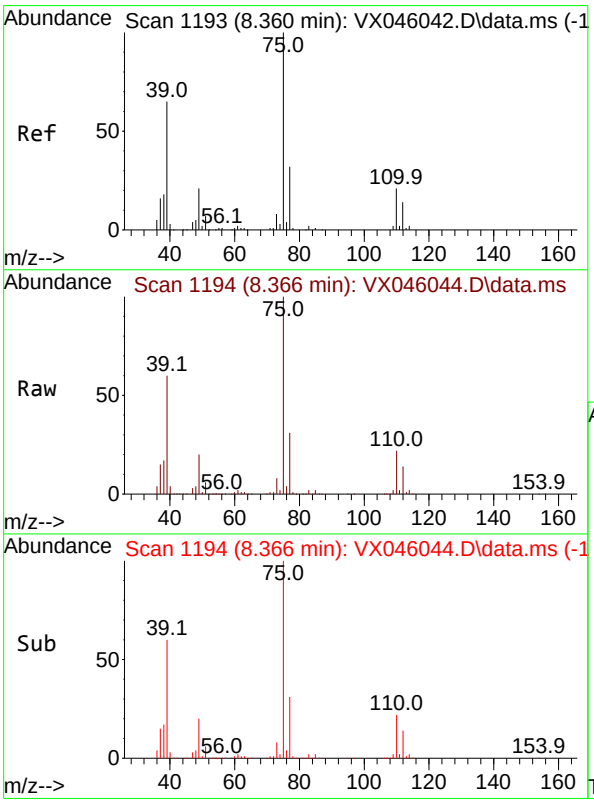
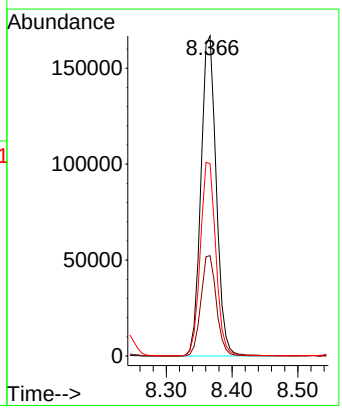
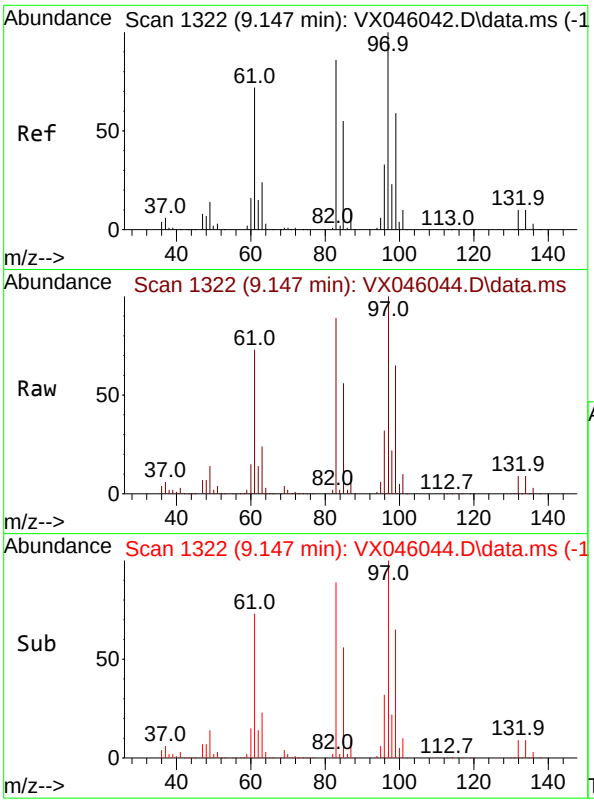


#54
cis-1,3-Dichloropropene
Concen: 124.658 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 271054

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	60.0	52.2	78.4

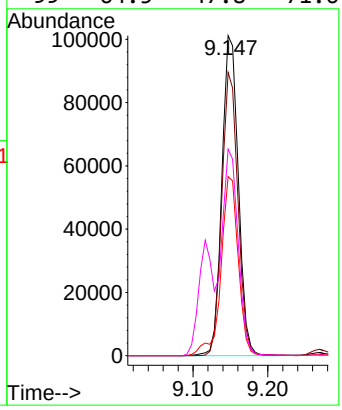




#55
1,1,2-Trichloroethane
Concen: 110.551 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 97 Resp: 15493

Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.0	103.6
85	56.0	44.3	66.5
99	64.5	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
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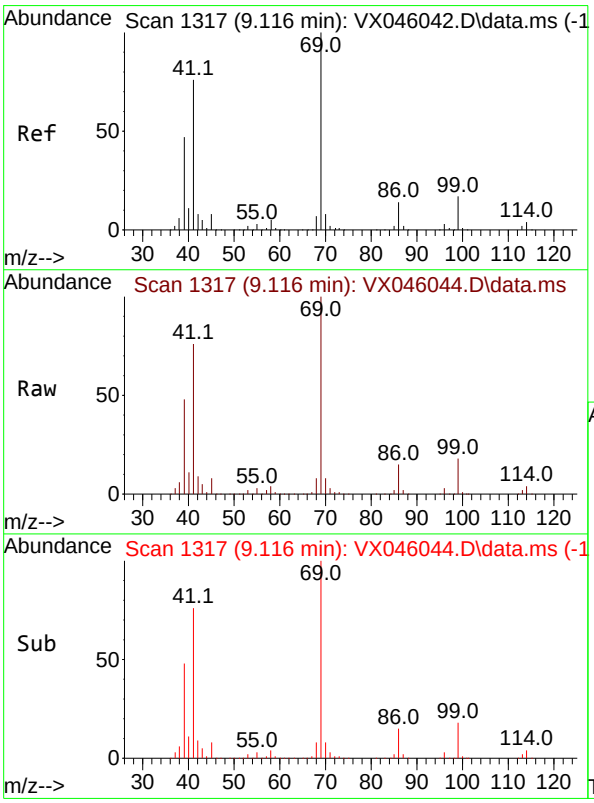
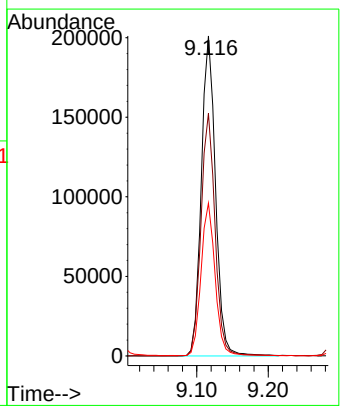
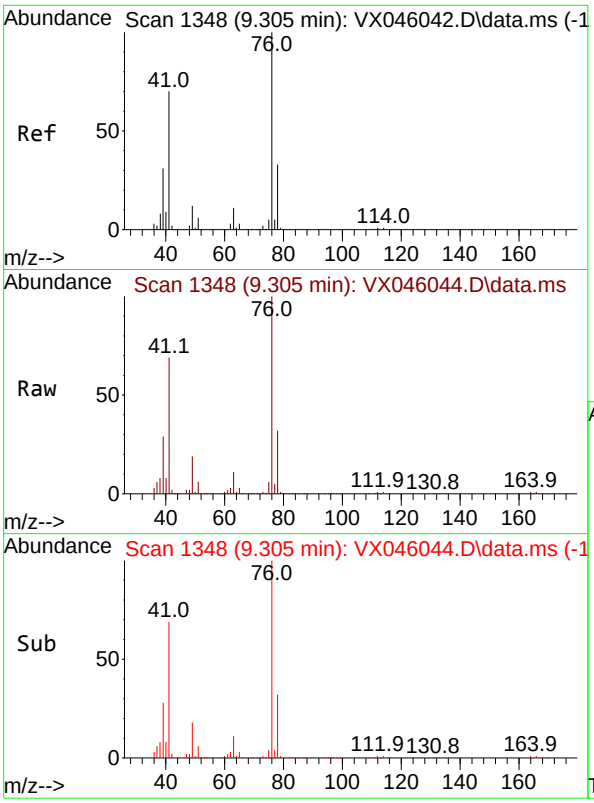


#56
Ethyl methacrylate
Concen: 127.968 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 69 Resp: 277921

Ion	Ratio	Lower	Upper
69	100		
41	75.4	60.8	91.2
39	47.2	39.0	58.6

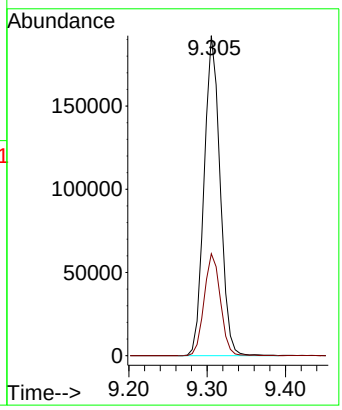




#57
1,3-Dichloropropane
Concen: 109.813 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 76 Resp: 27281

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5



Instrument :
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ClientSampleId :
VSTDICC150

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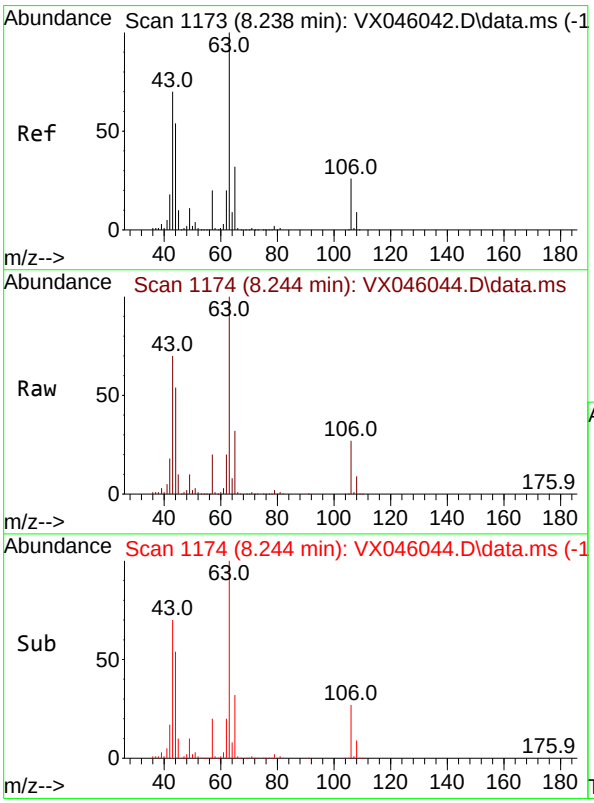
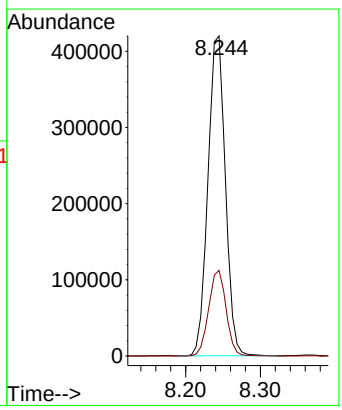
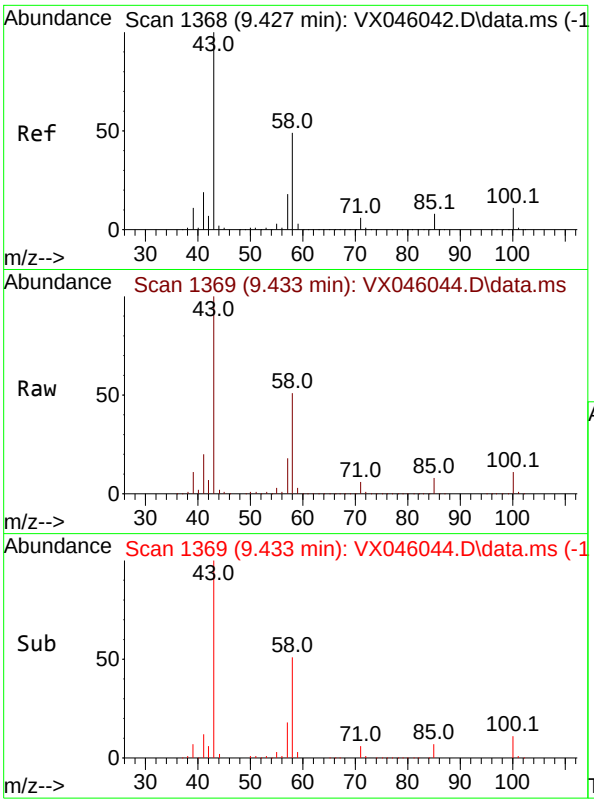


#58
2-Chloroethyl Vinyl ether
Concen: 697.344 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 63 Resp: 680608

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3





#59
2-Hexanone
Concen: 571.094 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 102859

Ion	Ratio	Lower	Upper
43	100		
58	50.2	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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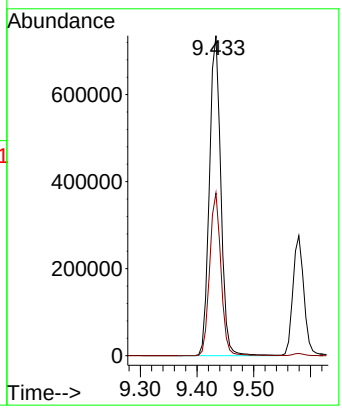
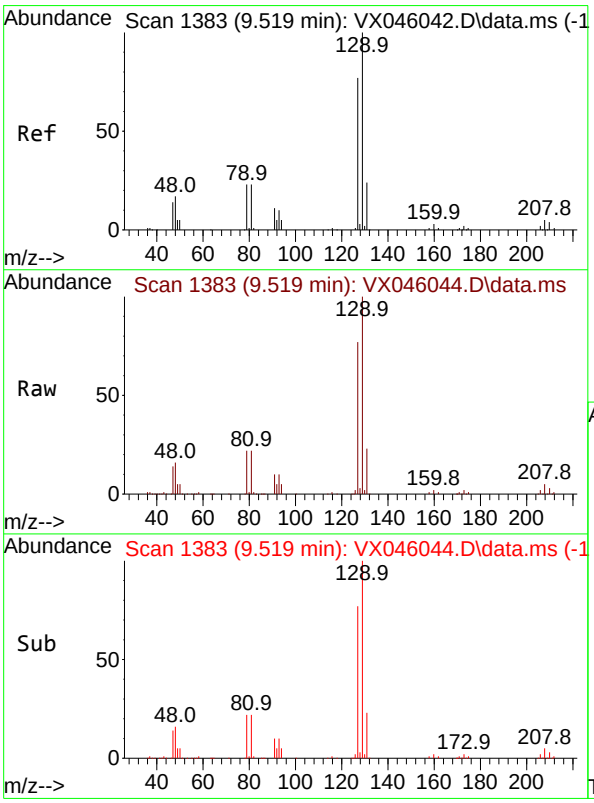
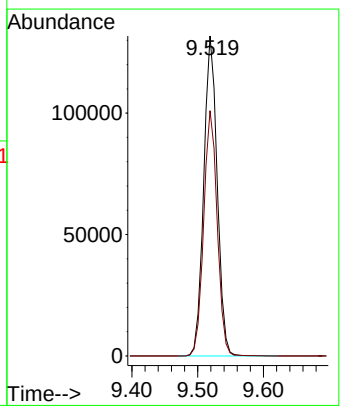


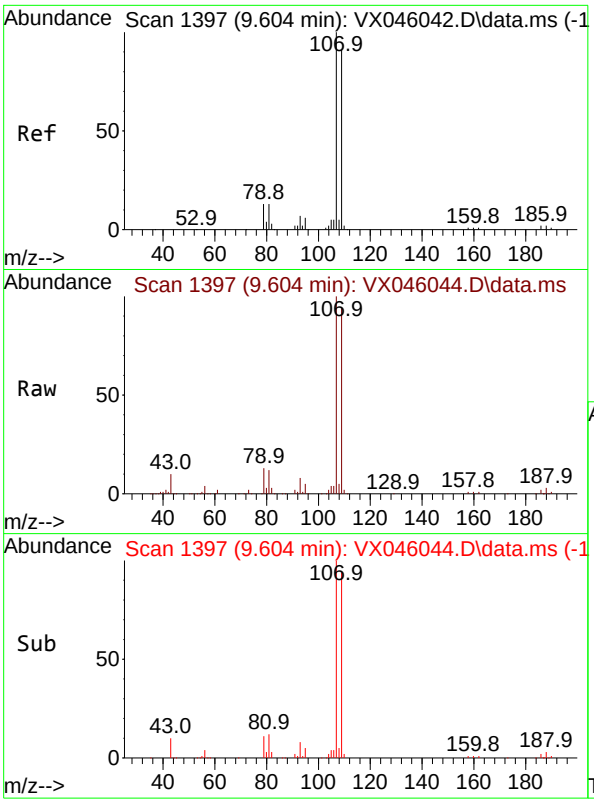


#60
Dibromochloromethane
Concen: 122.915 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:129 Resp: 187497

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.3	117.8

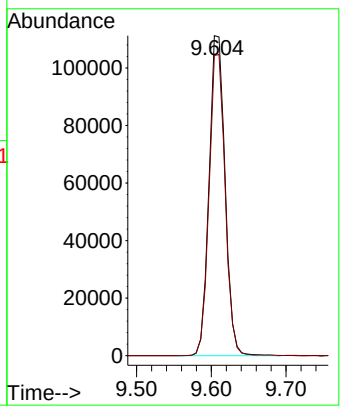




#61
1,2-Dibromoethane
Concen: 115.087 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:107 Resp: 16563

Ion	Ratio	Lower	Upper
107	100		
109	94.6	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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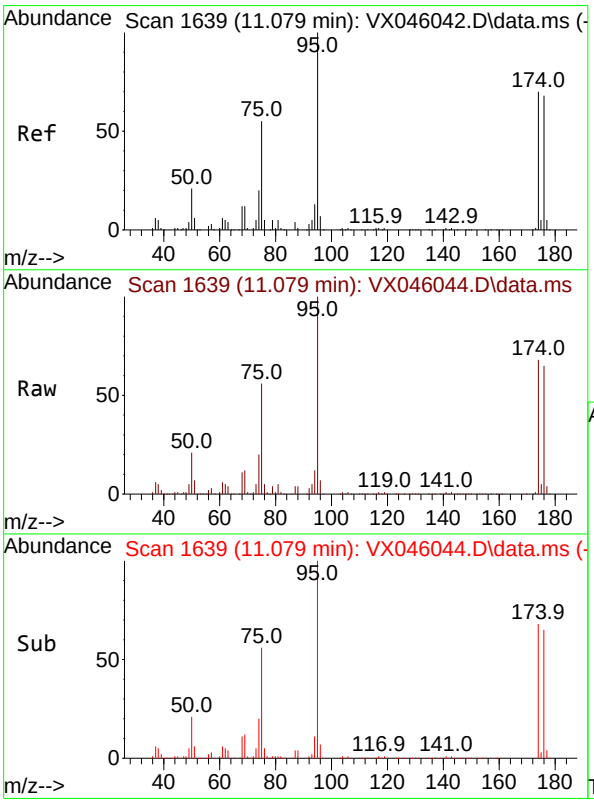
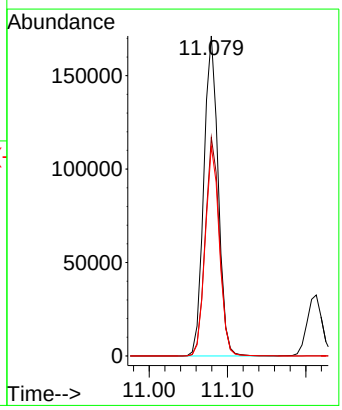
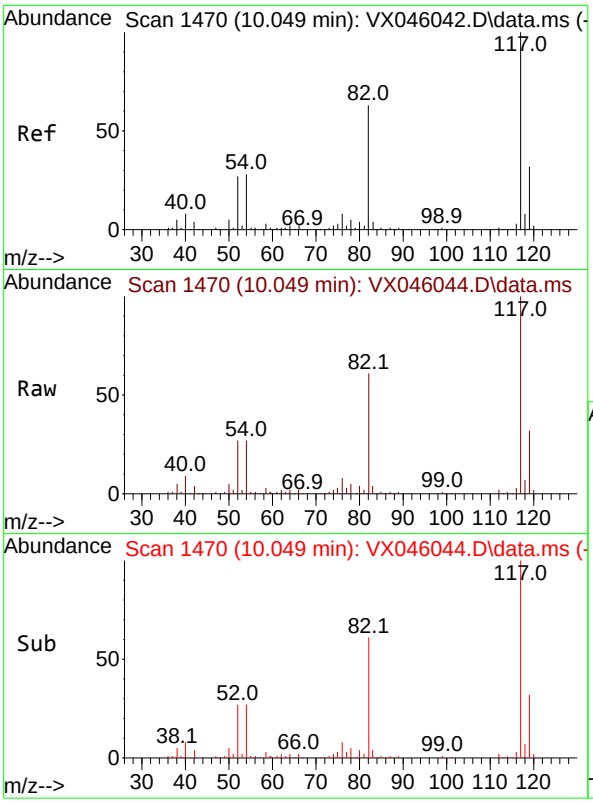


#62
4-Bromofluorobenzene
Concen: 109.174 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 95 Resp: 217536

Ion	Ratio	Lower	Upper
95	100		
174	67.5	0.0	135.8
176	64.4	0.0	131.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 12855

Ion	Ratio	Lower	Upper
117	100		
82	61.4	50.6	76.0
119	31.9	25.8	38.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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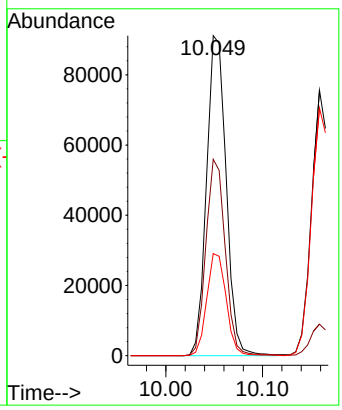
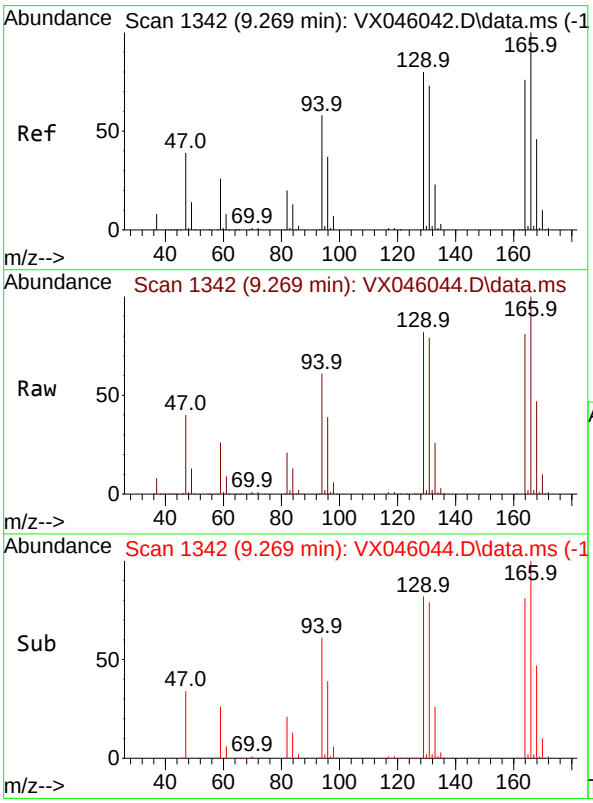
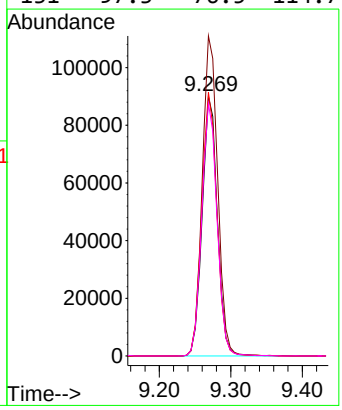


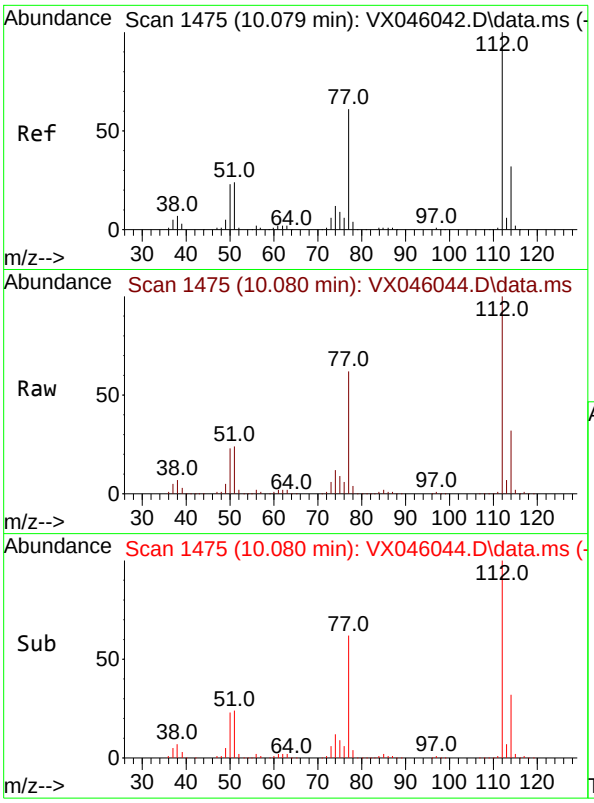


#64
Tetrachloroethene
Concen: 100.918 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:164 Resp: 132488

Ion	Ratio	Lower	Upper
164	100		
166	123.3	105.0	157.6
129	101.6	83.5	125.3
131	97.3	76.5	114.7

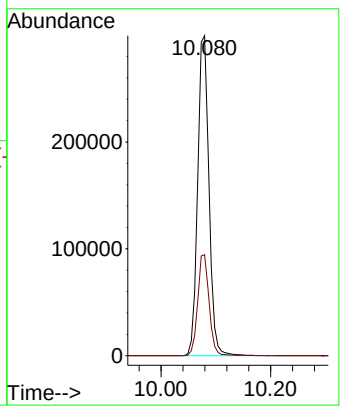




#65
Chlorobenzene
Concen: 108.615 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:112 Resp: 42965

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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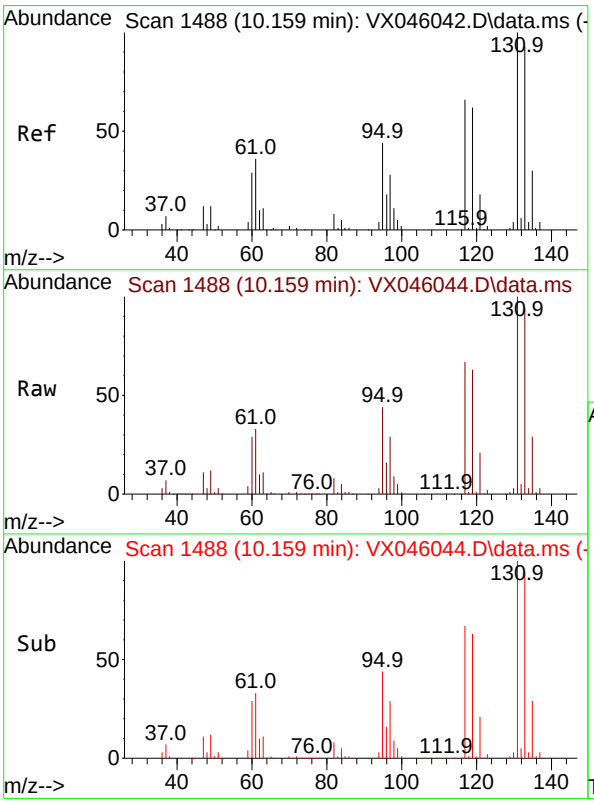
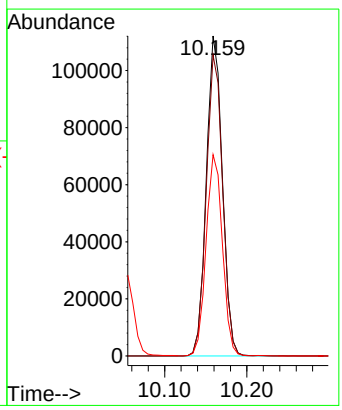
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

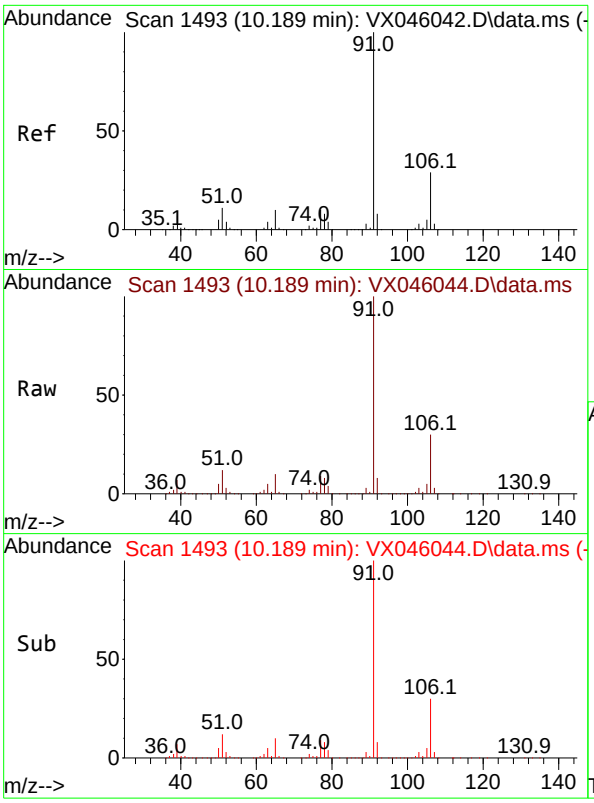


#66
1,1,1,2-Tetrachloroethane
Concen: 115.333 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:131 Resp: 152173

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.3	141.9
119	64.0	31.6	95.0





#67
Ethyl Benzene
Concen: 116.421 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 78512

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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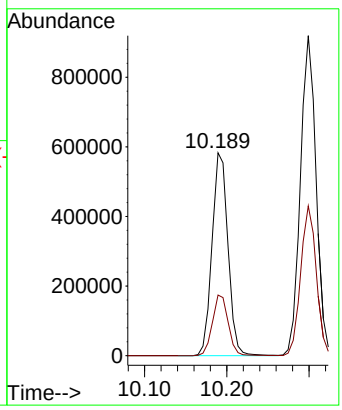
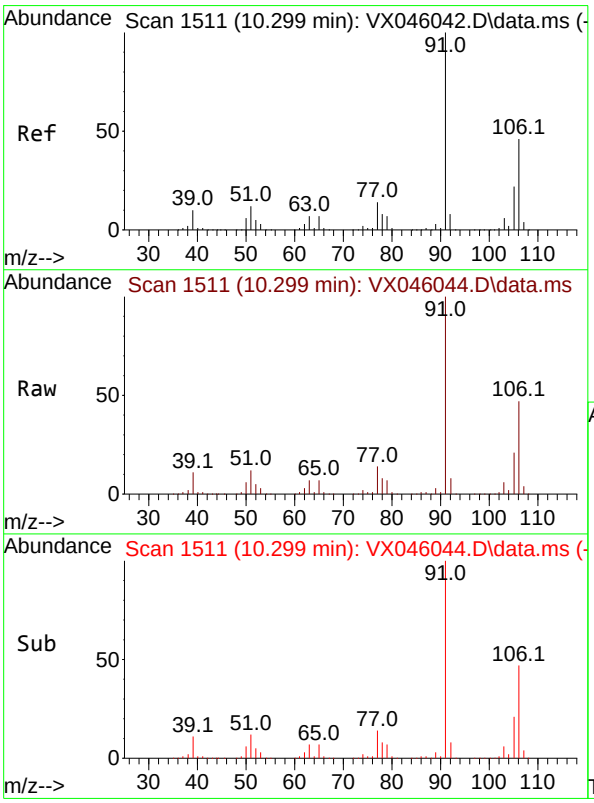
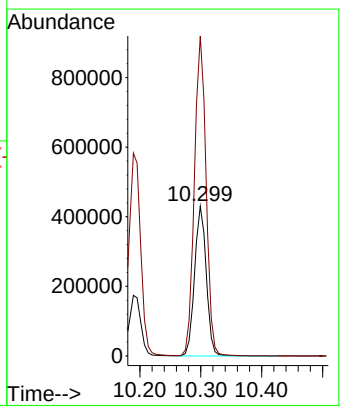


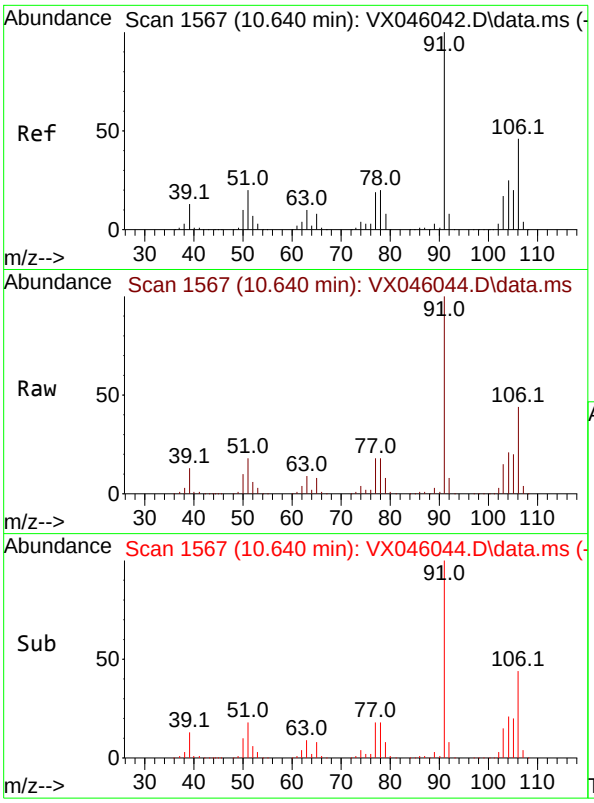


#68
m/p-Xylenes
Concen: 234.349 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:106 Resp: 570913

Ion	Ratio	Lower	Upper
106	100		
91	214.2	171.2	256.8

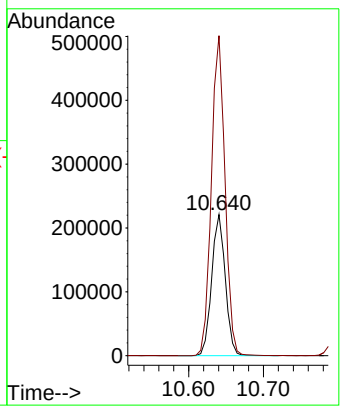




#69
o-Xylene
Concen: 113.990 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:106 Resp: 27990

Ion	Ratio	Lower	Upper
106	100		
91	226.9	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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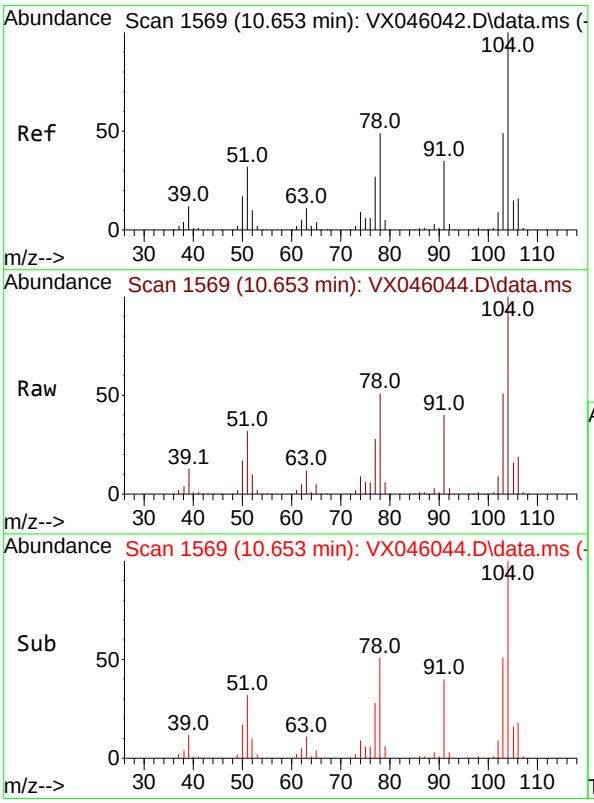
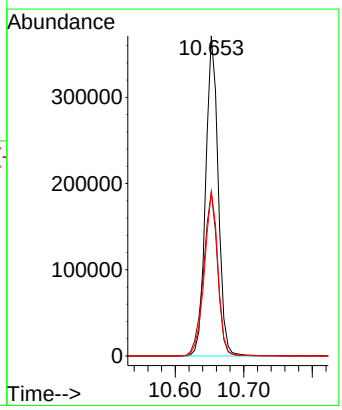
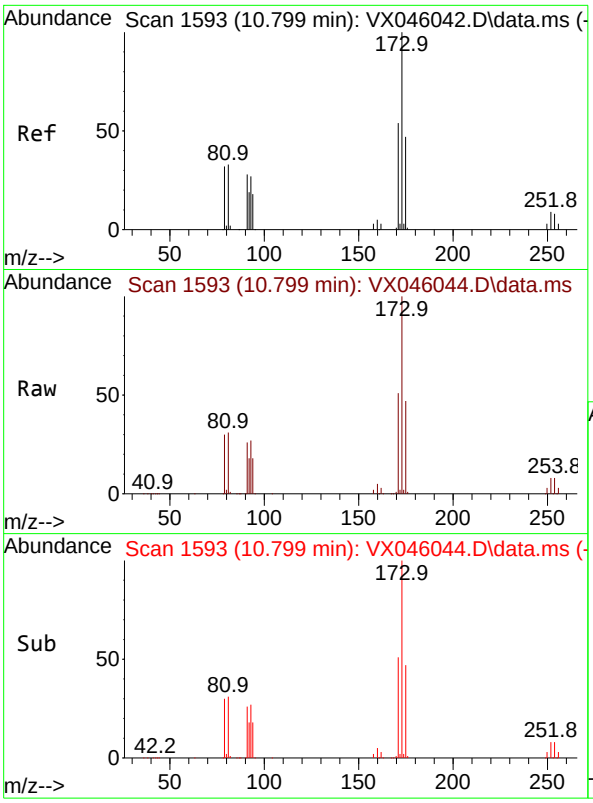


#70
Styrene
Concen: 120.694 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:104 Resp: 474254

Ion	Ratio	Lower	Upper
104	100		
78	57.2	45.7	68.5
103	55.5	43.7	65.5

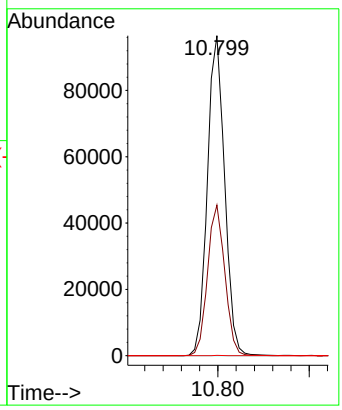




#71
Bromoform
Concen: 127.128 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:173 Resp: 12598

Ion	Ratio	Lower	Upper
173	100		
175	47.3	23.4	70.0
254	0.1	0.0	0.0#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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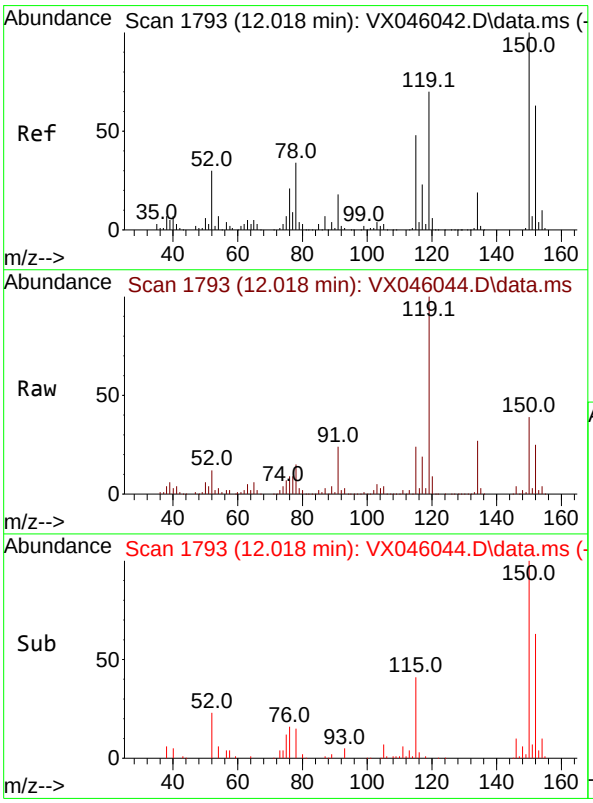
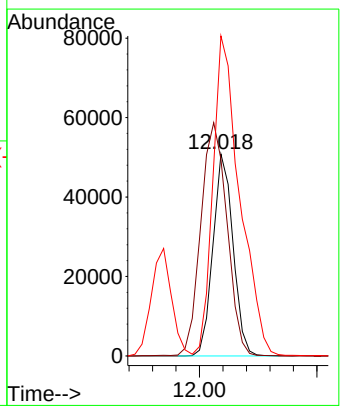
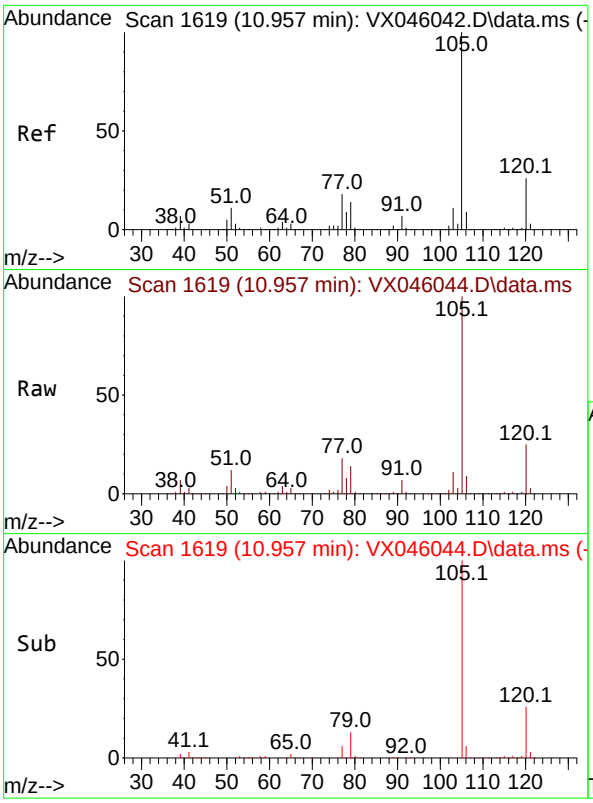


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:152 Resp: 60345

Ion	Ratio	Lower	Upper
152	100		
115	150.7	46.9	140.7#
150	211.6	0.0	351.0





#73
Isopropylbenzene
Concen: 114.312 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 75233

Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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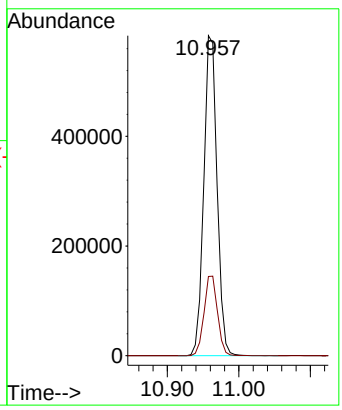
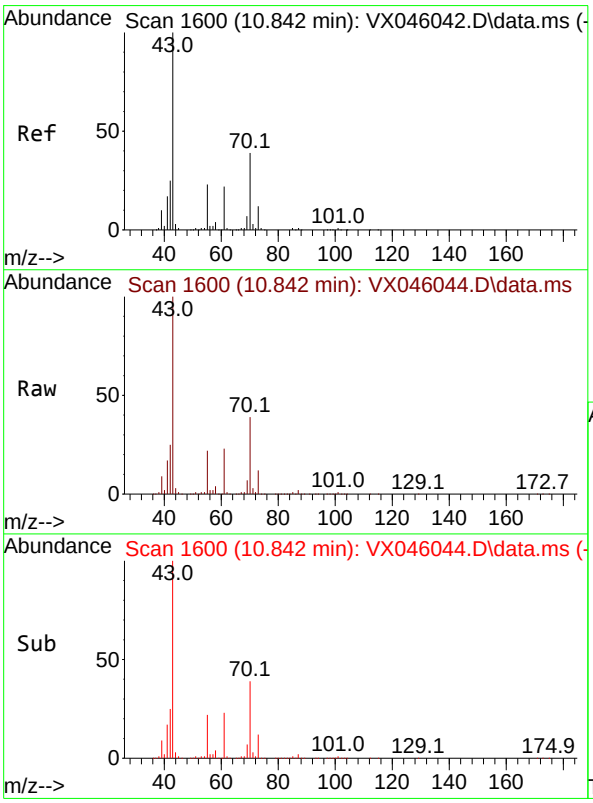
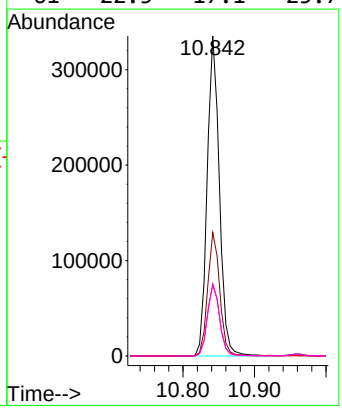


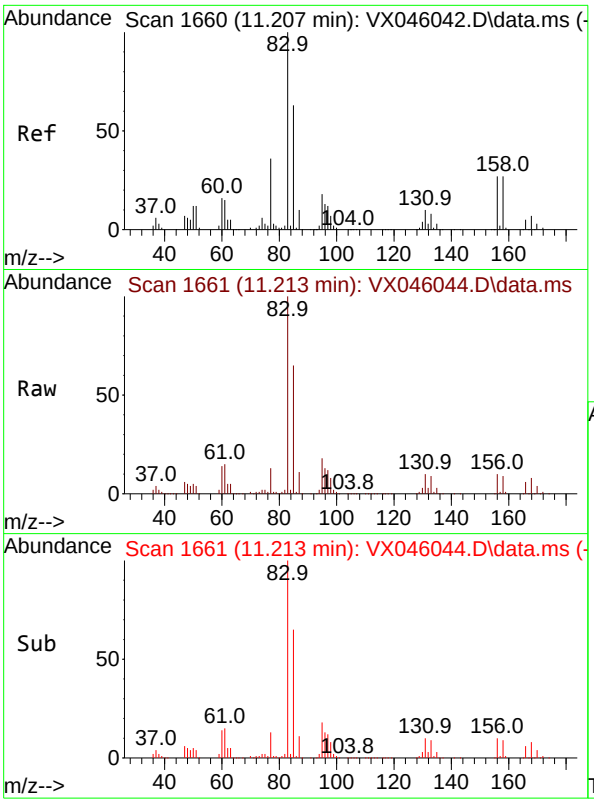


#74
N-amyl acetate
Concen: 120.944 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 396877

Ion	Ratio	Lower	Upper
43	100		
70	38.5	30.9	46.3
55	22.5	18.7	28.1
61	22.5	17.1	25.7

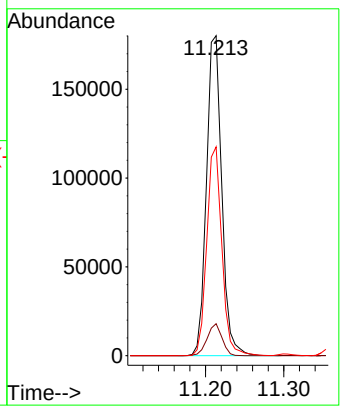




#75
1,1,2,2-Tetrachloroethane
Concen: 104.018 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 24353

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.4	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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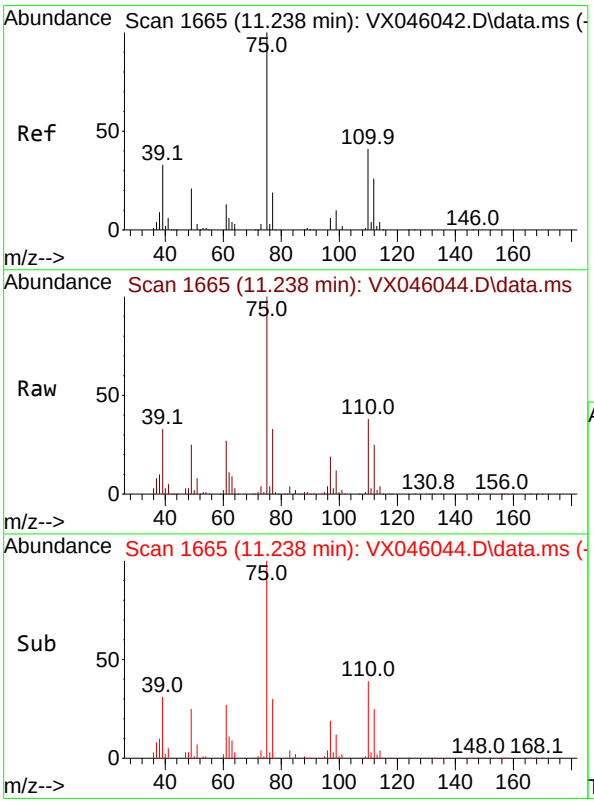
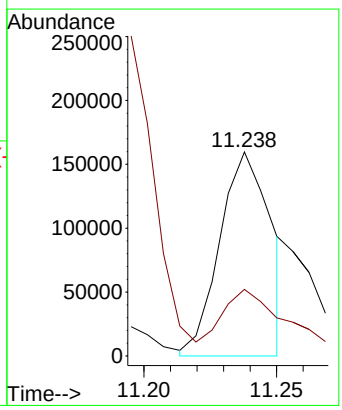
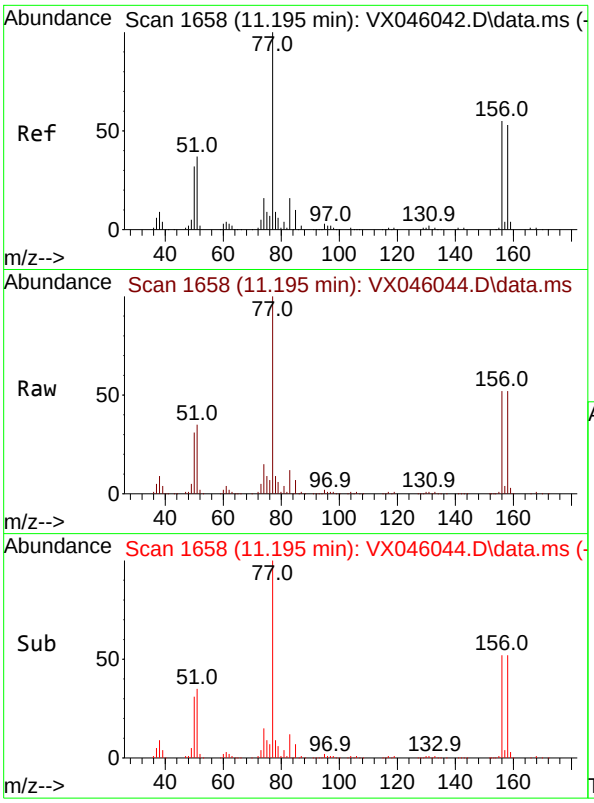


#76
1,2,3-Trichloropropane
Concen: 84.960 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 213744

Ion	Ratio	Lower	Upper
75	100		
77	42.4	20.5	61.5

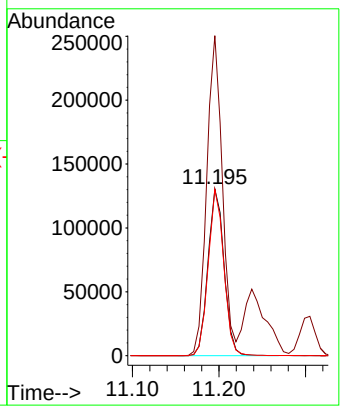




#77
Bromobenzene
Concen: 110.297 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:156 Resp: 16793

Ion	Ratio	Lower	Upper
156	100		
77	187.1	92.8	278.3
158	97.3	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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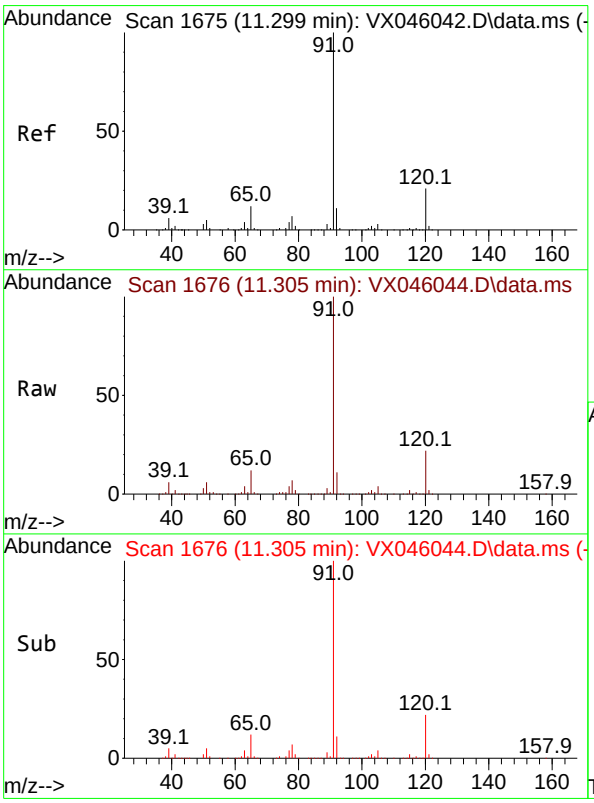
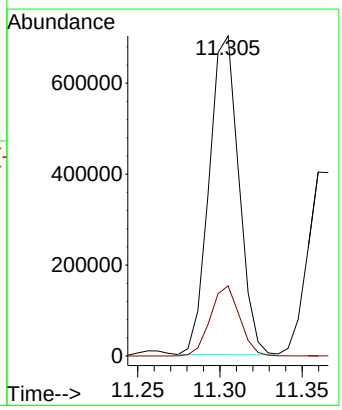
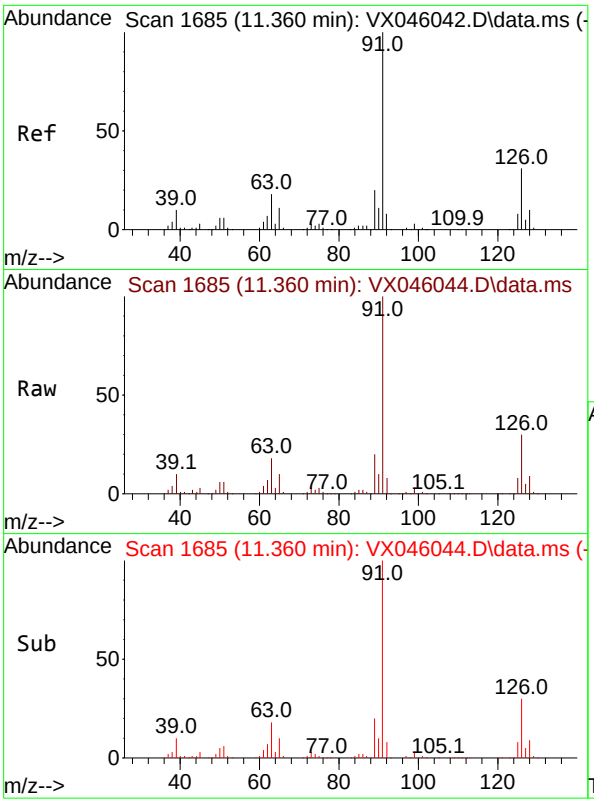


#78
n-propylbenzene
Concen: 119.448 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 881218

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4

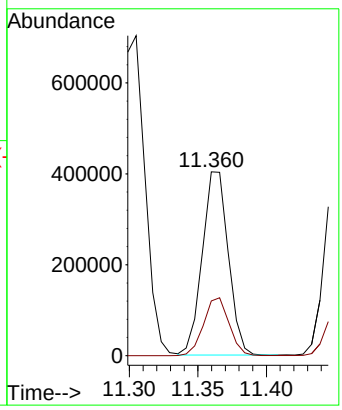




#79
2-Chlorotoluene
Concen: 107.514 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 53456

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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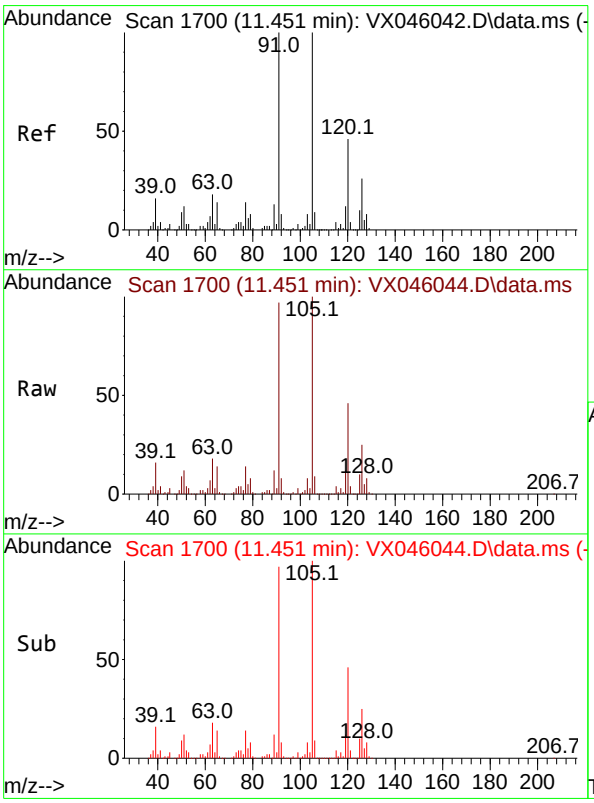
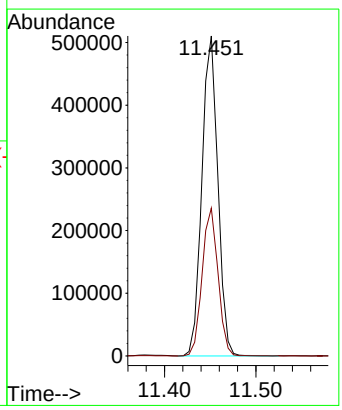
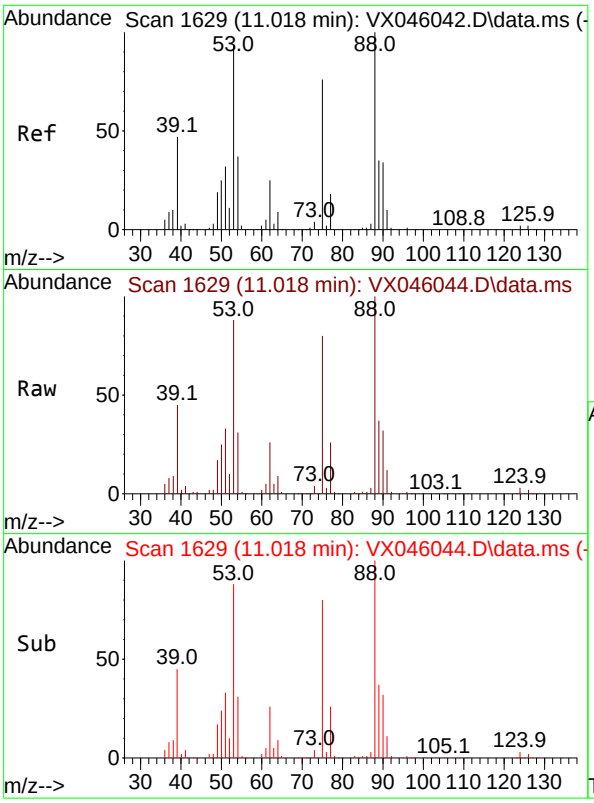


#80
1,3,5-Trimethylbenzene
Concen: 112.825 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 616477

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 134.609 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 8137

Ion	Ratio	Lower	Upper
75	100		
53	114.9	100.5	150.7
89	46.5	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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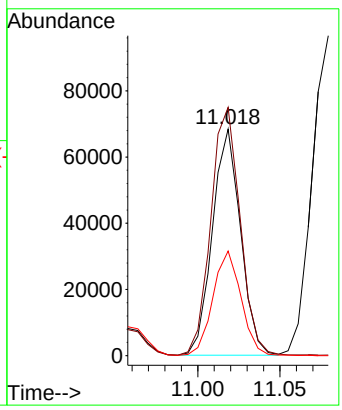
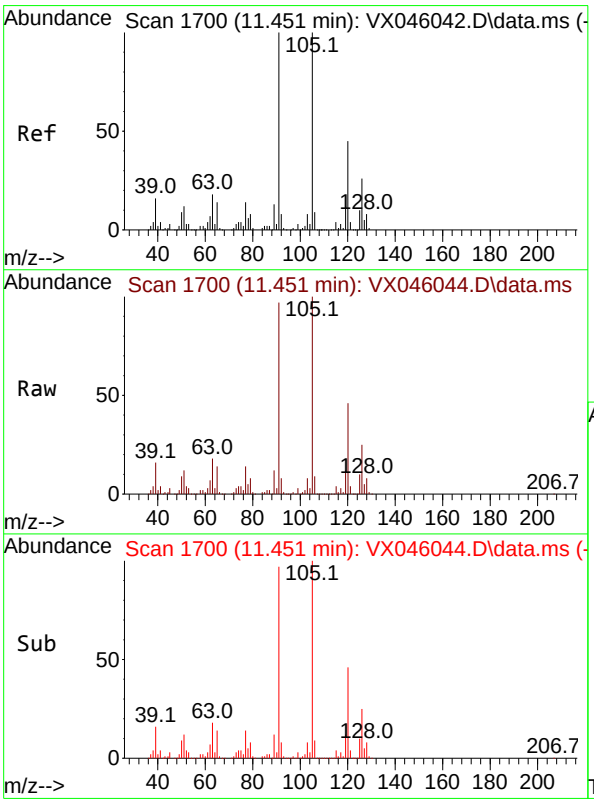
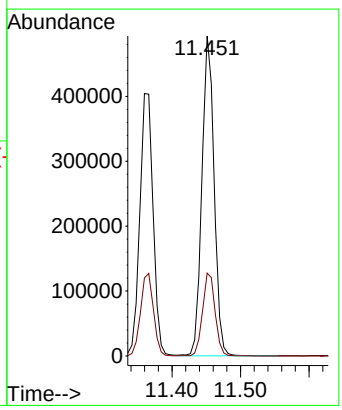


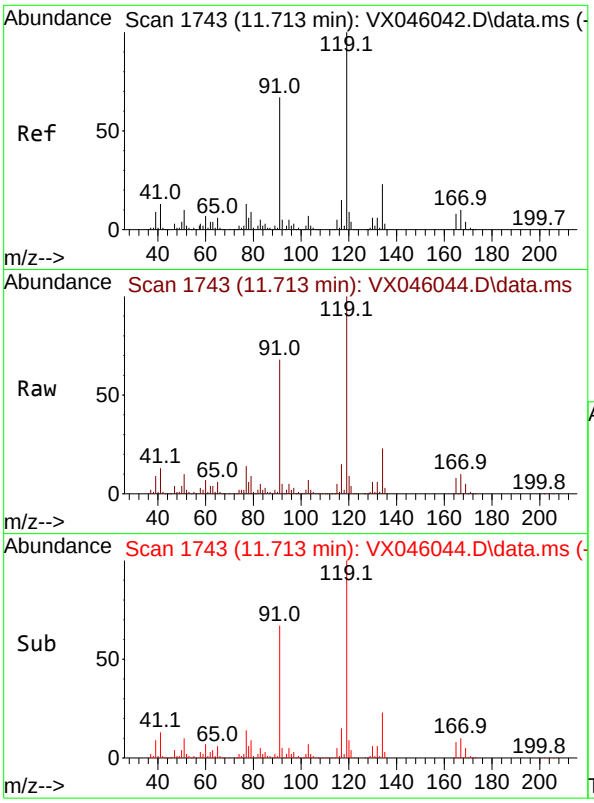


#82
4-Chlorotoluene
Concen: 111.948 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 611736

Ion	Ratio	Lower	Upper
91	100		
126	26.7	13.3	39.8

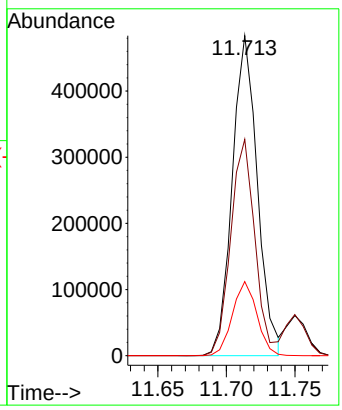




#83
tert-Butylbenzene
Concen: 115.065 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:119 Resp: 61747

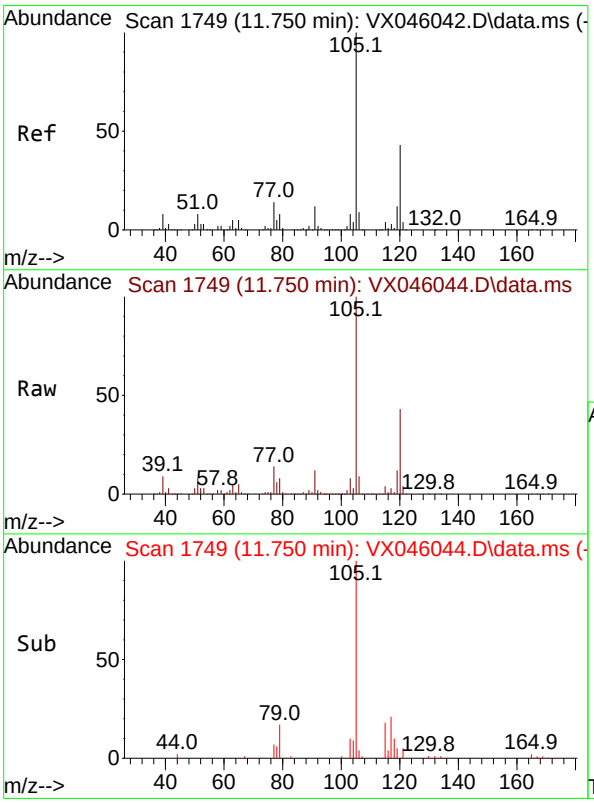
Ion	Ratio	Lower	Upper
119	100		
91	65.6	32.9	98.7
134	22.6	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

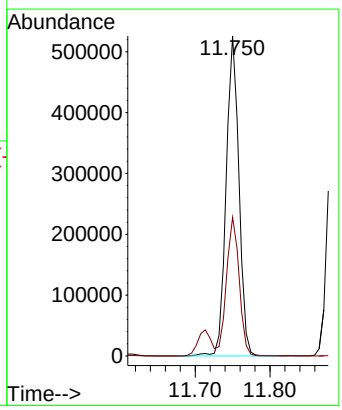
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

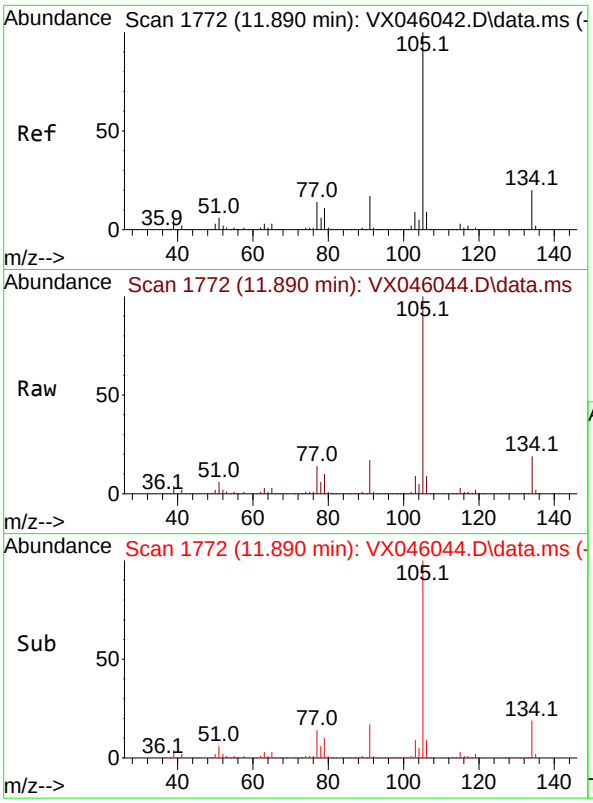


#84
1,2,4-Trimethylbenzene
Concen: 114.236 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 623456

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.2	63.6





#85
sec-Butylbenzene
Concen: 118.023 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

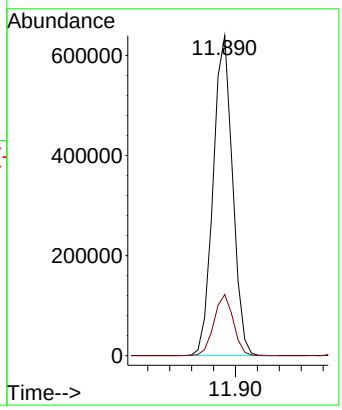
Tgt Ion:105 Resp: 78629

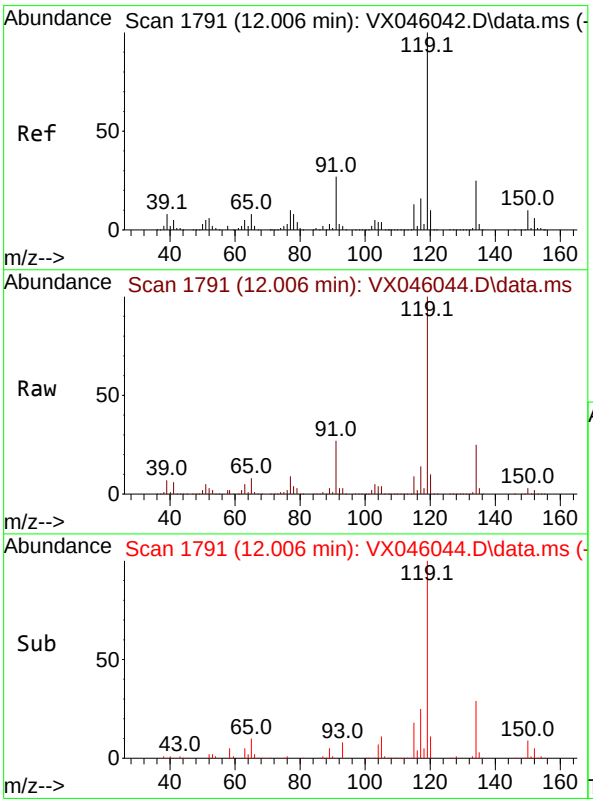
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

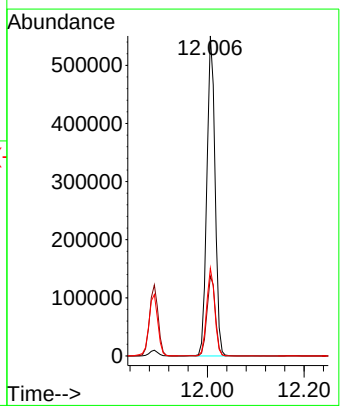


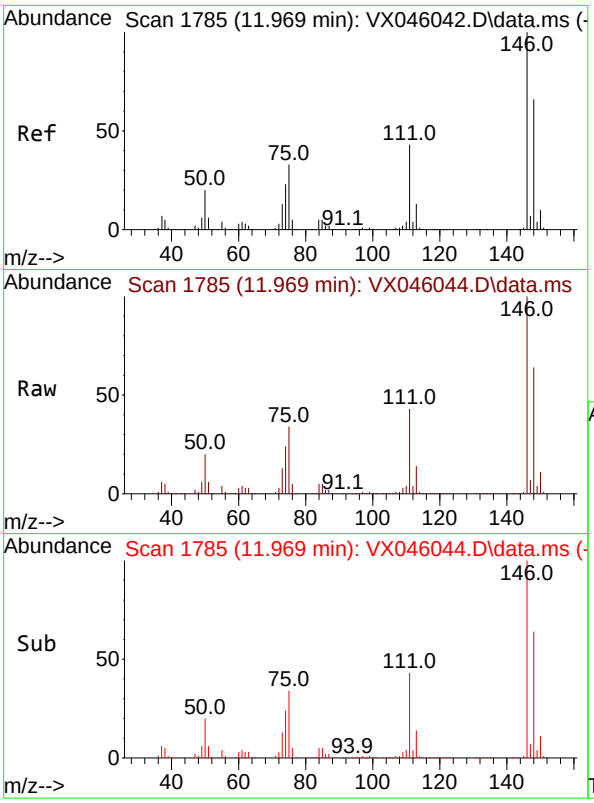


#86
p-Isopropyltoluene
Concen: 121.113 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:119 Resp: 651531

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.5	37.5
91	27.0	13.8	41.4

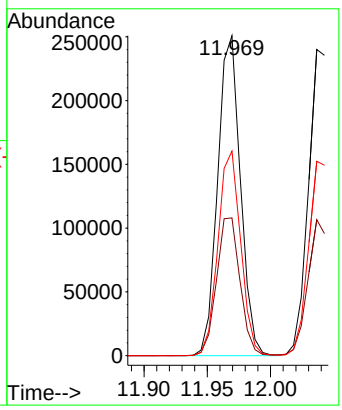




#87
1,3-Dichlorobenzene
Concen: 110.394 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:146 Resp: 31310

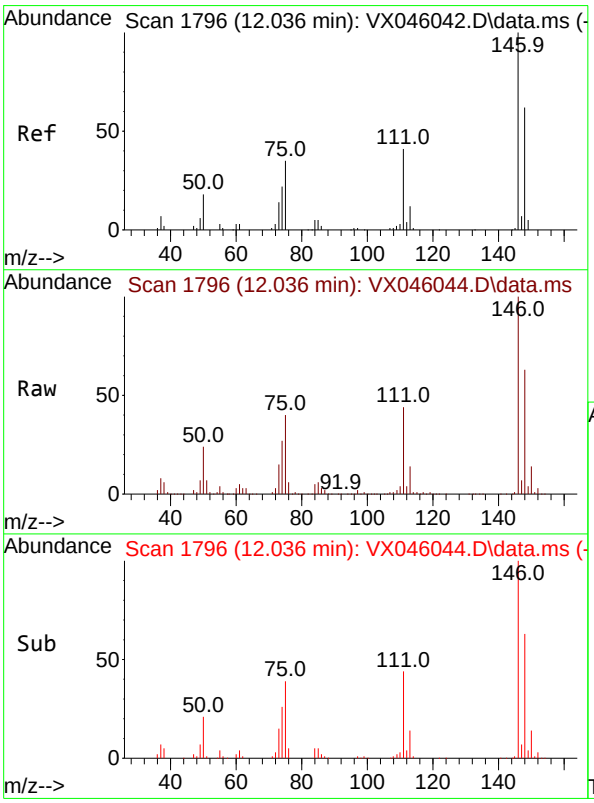
Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.1	66.3
148	64.0	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

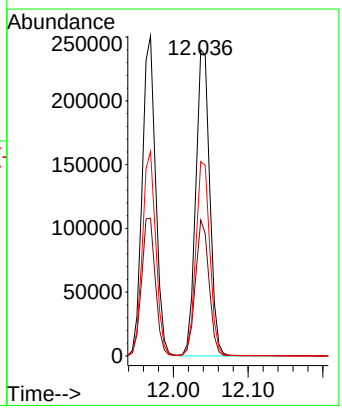
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

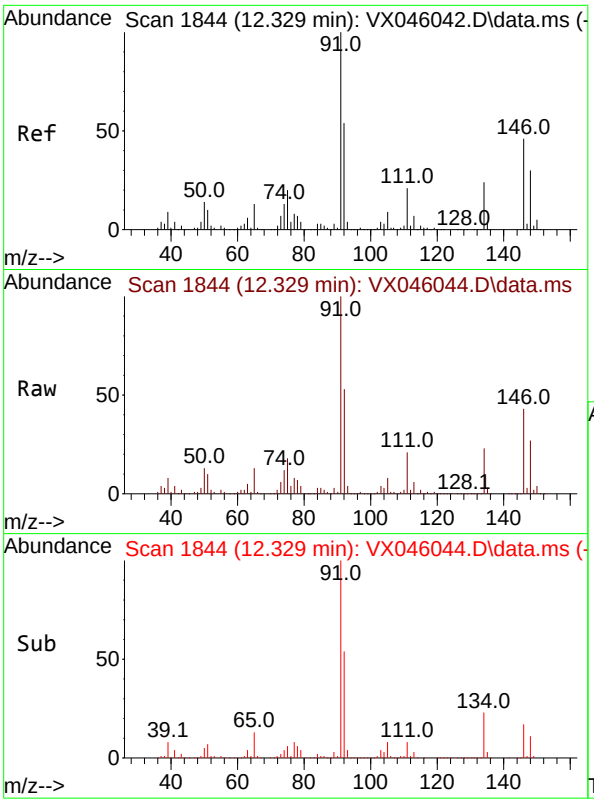


#88
1,4-Dichlorobenzene
Concen: 112.167 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:146 Resp: 311752

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.9
148	63.9	31.9	95.5

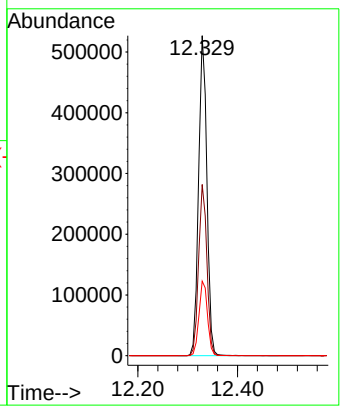




#89
n-Butylbenzene
Concen: 129.533 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 60578

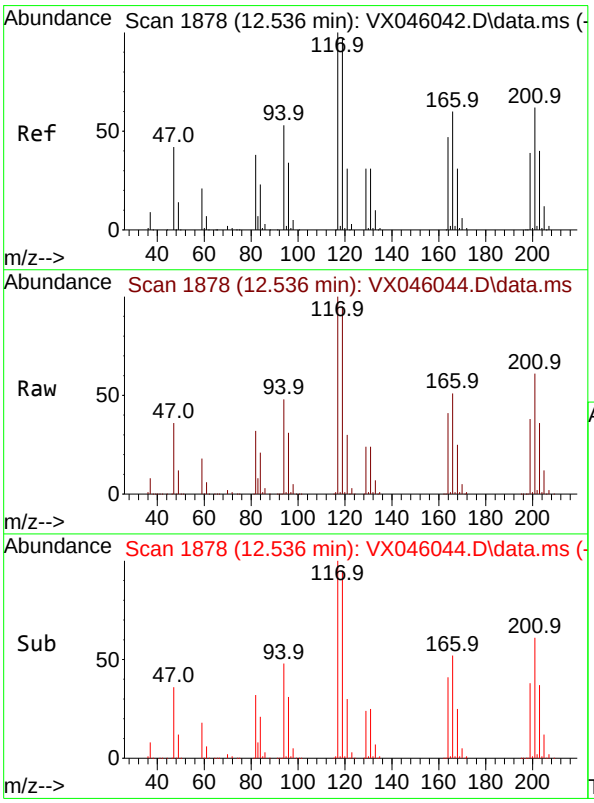
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.7
134	24.0	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

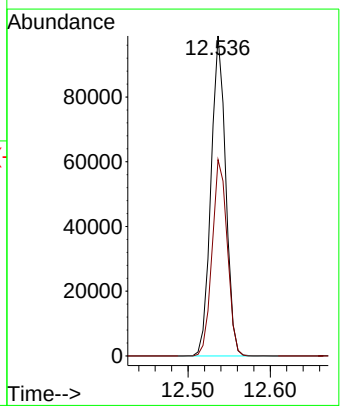
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

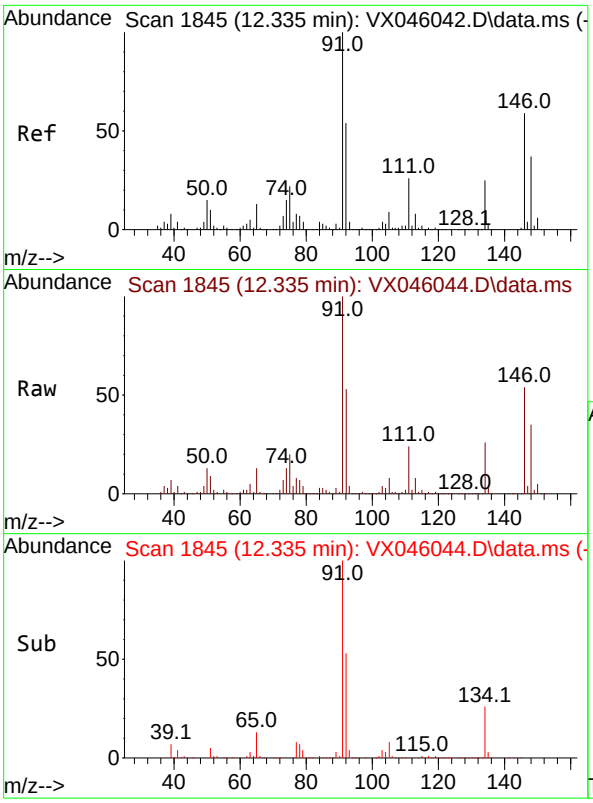


#90
Hexachloroethane
Concen: 123.091 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 123188

Ion	Ratio	Lower	Upper
117	100		
201	63.2	31.6	94.7

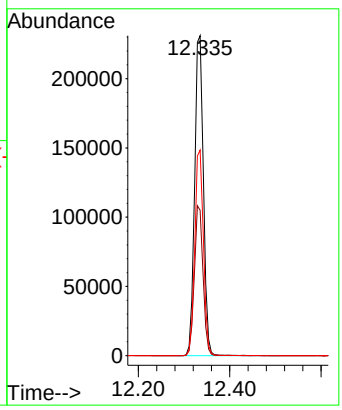




#91
1,2-Dichlorobenzene
Concen: 111.506 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:146 Resp: 30803

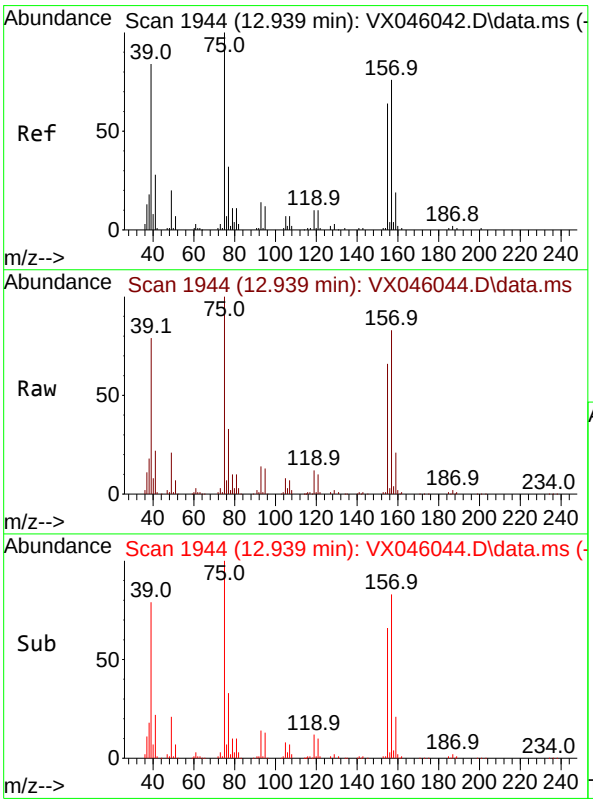
Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.4	67.3
148	63.6	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

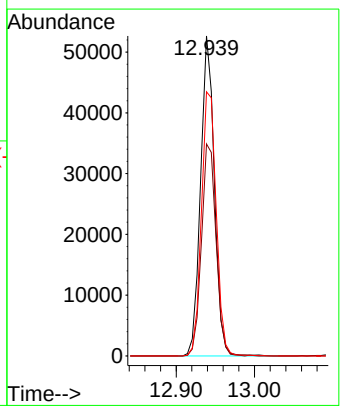
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

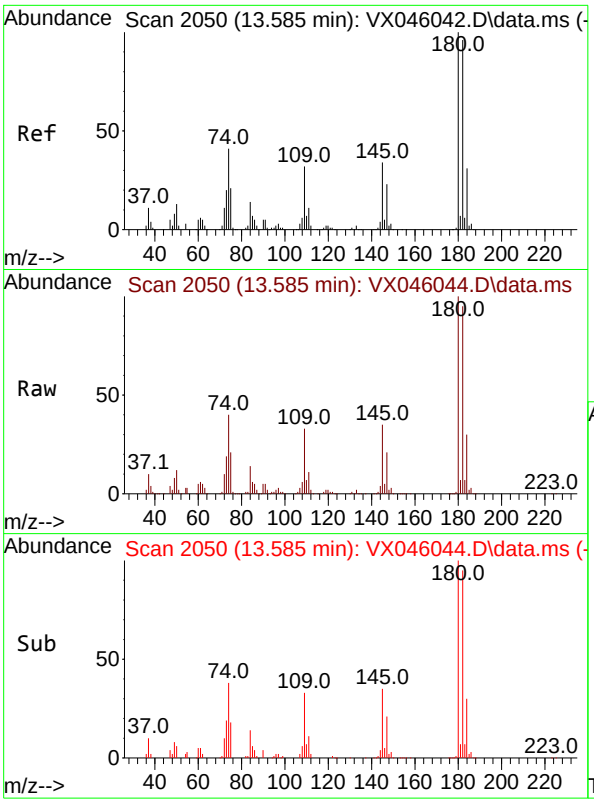


#92
1,2-Dibromo-3-Chloropropane
Concen: 120.915 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 64438

Ion	Ratio	Lower	Upper
75	100		
155	69.6	34.9	104.8
157	88.4	43.8	131.4

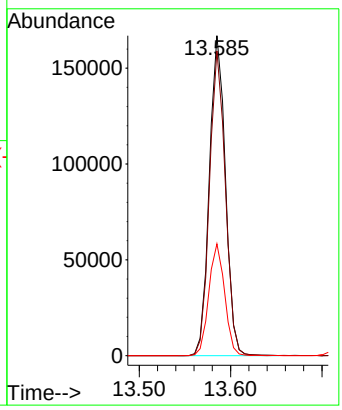




#93
1,2,4-Trichlorobenzene
Concen: 134.366 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:180 Resp: 20325

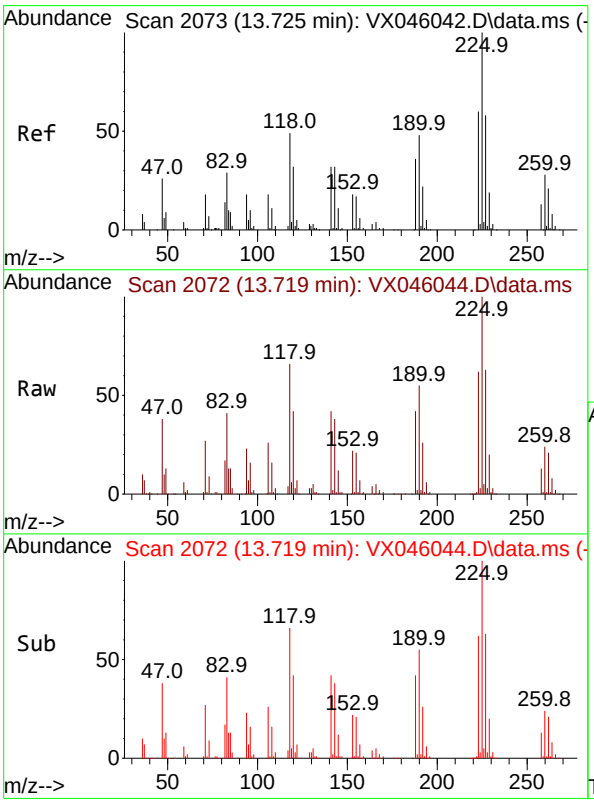
Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.8
145	34.5	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

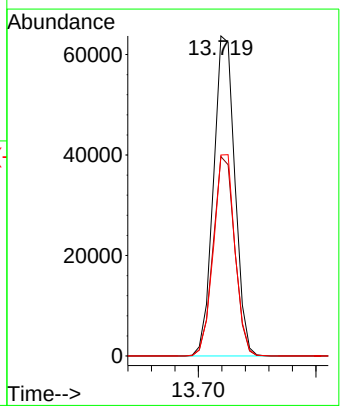
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

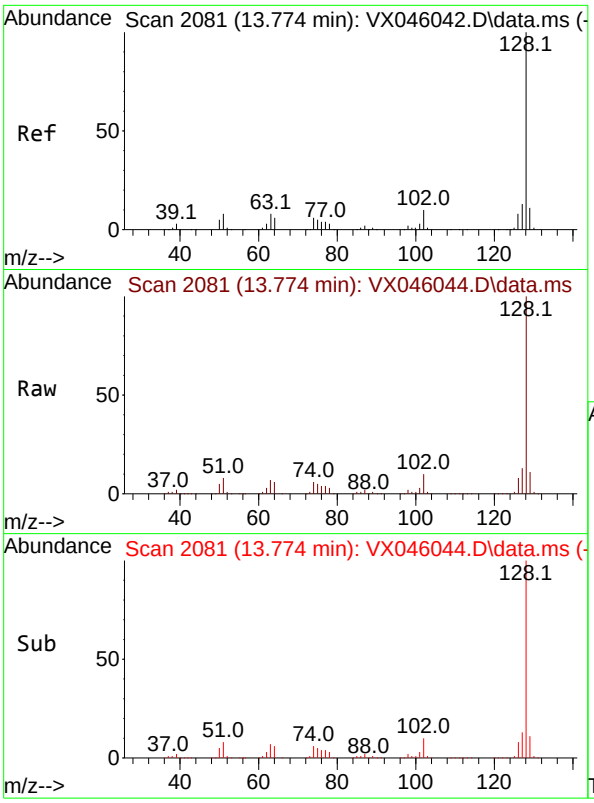


#94
Hexachlorobutadiene
Concen: 113.857 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:225 Resp: 80558

Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.8	92.4
227	63.1	30.9	92.7

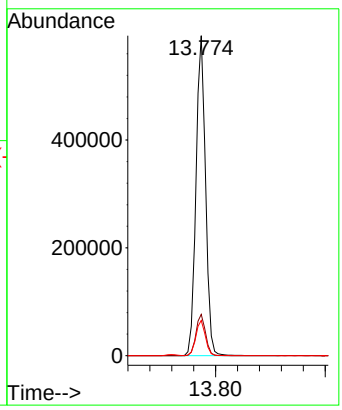




#95
Naphthalene
Concen: 130.929 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:128 Resp: 72123

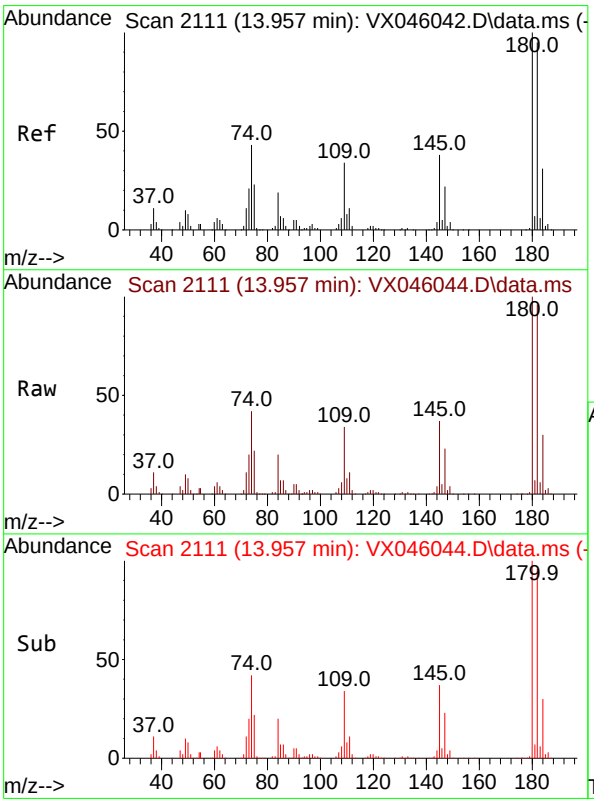
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

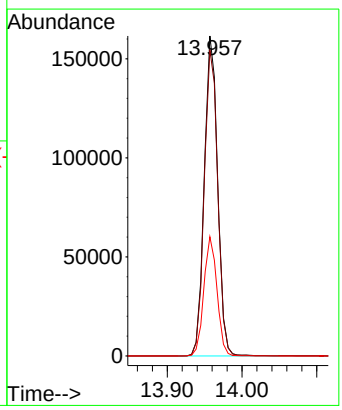
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 126.331 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:180 Resp: 200379

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.8	143.3
145	36.7	18.1	54.3



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	96964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	168484	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	9067	3.143	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	6.280%#		
35) Dibromofluoromethane	5.373	113	5969	3.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	6.320%#		
50) Toluene-d8	8.647	98	20566	3.232	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	6.460%#		
62) 4-Bromofluorobenzene	11.079	95	7822	3.378	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	6.760%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	6195	2.894	ug/l	95
3) Chloromethane	1.307	50	6587	3.125	ug/l	99
4) Vinyl Chloride	1.374	62	5999	3.249	ug/l	96
5) Bromomethane	1.593	94	2962	3.164	ug/l	88
6) Chloroethane	1.666	64	3567	3.750	ug/l	94
7) Trichlorofluoromethane	1.874	101	9599	3.413	ug/l	88
8) Diethyl Ether	2.130	74	3020	3.266	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	5911	3.517	ug/l	99
10) Methyl Iodide	2.441	142	5900	2.990	ug/l	99
11) Tert butyl alcohol	2.965	59	5539	16.111	ug/l	98
12) 1,1-Dichloroethene	2.306	96	5496	3.359	ug/l	97
13) Acrolein	2.233	56	5673	14.206	ug/l	95
14) Allyl chloride	2.654	41	10262	3.319	ug/l	98
15) Acrylonitrile	3.062	53	16746	16.282	ug/l	97
16) Acetone	2.380	43	19773	20.036	ug/l	98
17) Carbon Disulfide	2.501	76	11068	2.919	ug/l	96
18) Methyl Acetate	2.703	43	7909	3.357	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	18497	3.241	ug/l	97
20) Methylene Chloride	2.782	84	6680	3.341	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	5402	3.234	ug/l	100
22) Diisopropyl ether	3.751	45	18657	3.230	ug/l #	65
23) Vinyl Acetate	3.715	43	82328	16.127	ug/l	99
24) 1,1-Dichloroethane	3.605	63	11193	3.297	ug/l	99
25) 2-Butanone	4.562	43	26125	18.340	ug/l	98
26) 2,2-Dichloropropane	4.465	77	8245	3.205	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	6222	3.089	ug/l	95
28) Bromochloromethane	4.891	49	5360	2.969	ug/l #	100
29) Tetrahydrofuran	5.001	42	15431	16.680	ug/l	98
30) Chloroform	5.080	83	11624	3.294	ug/l	89
31) Cyclohexane	5.458	56	10269	3.588	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	9827	3.229	ug/l	97
36) 1,1-Dichloropropene	5.678	75	7787	3.551	ug/l	98
37) Ethyl Acetate	4.721	43	9806m	3.565	ug/l	
38) Carbon Tetrachloride	5.659	117	8505	3.376	ug/l	97
39) Methylcyclohexane	7.373	83	9882	3.597	ug/l	93
40) Benzene	6.031	78	22528	3.315	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	4851	3.174	ug/l	#	65
42) 1,2-Dichloroethane	6.080	62	10011	3.563	ug/l		100
43) Isopropyl Acetate	6.348	43	13914	3.309	ug/l		96
44) Trichloroethene	7.123	130	5313	3.307	ug/l		94
45) 1,2-Dichloropropane	7.427	63	5451	3.228	ug/l	#	89
46) Dibromomethane	7.580	93	4417	3.318	ug/l		98
47) Bromodichloromethane	7.818	83	8394	3.254	ug/l		98
48) Methyl methacrylate	7.696	41	7171	3.321	ug/l		97
49) 1,4-Dioxane	7.659	88	2907	67.721	ug/l		96
51) 4-Methyl-2-Pentanone	8.567	43	46794	16.967	ug/l		98
52) Toluene	8.714	92	14126	3.505	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	6834	3.155	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	7908	3.129	ug/l		91
55) 1,1,2-Trichloroethane	9.153	97	5685	3.490	ug/l		98
56) Ethyl methacrylate	9.116	69	8555	3.390	ug/l		98
57) 1,3-Dichloropropane	9.305	76	10127	3.508	ug/l		94
58) 2-Chloroethyl Vinyl ether	8.238	63	20809	18.346	ug/l		99
59) 2-Hexanone	9.427	43	34853	16.651	ug/l		97
60) Dibromochloromethane	9.518	129	5500	3.102	ug/l		98
61) 1,2-Dibromoethane	9.604	107	5614	3.356	ug/l		99
64) Tetrachloroethene	9.269	164	4752	3.162	ug/l		96
65) Chlorobenzene	10.079	112	15391	3.399	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	5024	3.326	ug/l		99
67) Ethyl Benzene	10.195	91	26732	3.463	ug/l		99
68) m/p-Xylenes	10.299	106	19957	7.156	ug/l		98
69) o-Xylene	10.640	106	9398	3.343	ug/l		95
70) Styrene	10.652	104	14900	3.312	ug/l		99
71) Bromoform	10.799	173	3470	3.059	ug/l	#	99
73) Isopropylbenzene	10.957	105	24201	3.266	ug/l		98
74) N-amyl acetate	10.841	43	11224	3.038	ug/l		96
75) 1,1,2,2-Tetrachloroethane	11.207	83	9170	3.479	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	7928m	2.799	ug/l		
77) Bromobenzene	11.195	156	5857	3.417	ug/l		96
78) n-propylbenzene	11.299	91	28436	3.424	ug/l		100
79) 2-Chlorotoluene	11.360	91	18672	3.336	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	20742	3.372	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	1828	2.686	ug/l		99
82) 4-Chlorotoluene	11.451	91	19966	3.245	ug/l		98
83) tert-Butylbenzene	11.713	119	21049	3.484	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	20613	3.355	ug/l		97
85) sec-Butylbenzene	11.890	105	25590	3.412	ug/l		99
86) p-Isopropyltoluene	12.006	119	20955	3.460	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	10585	3.315	ug/l		97
88) 1,4-Dichlorobenzene	12.036	146	10908	3.486	ug/l		90
89) n-Butylbenzene	12.329	91	18004	3.419	ug/l		94
90) Hexachloroethane	12.536	117	3553	3.153	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	10712	3.444	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1687	2.812	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	5720	3.359	ug/l		96
94) Hexachlorobutadiene	13.719	225	2816	3.535	ug/l		96
95) Naphthalene	13.774	128	19902	3.209	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	5745	3.217	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
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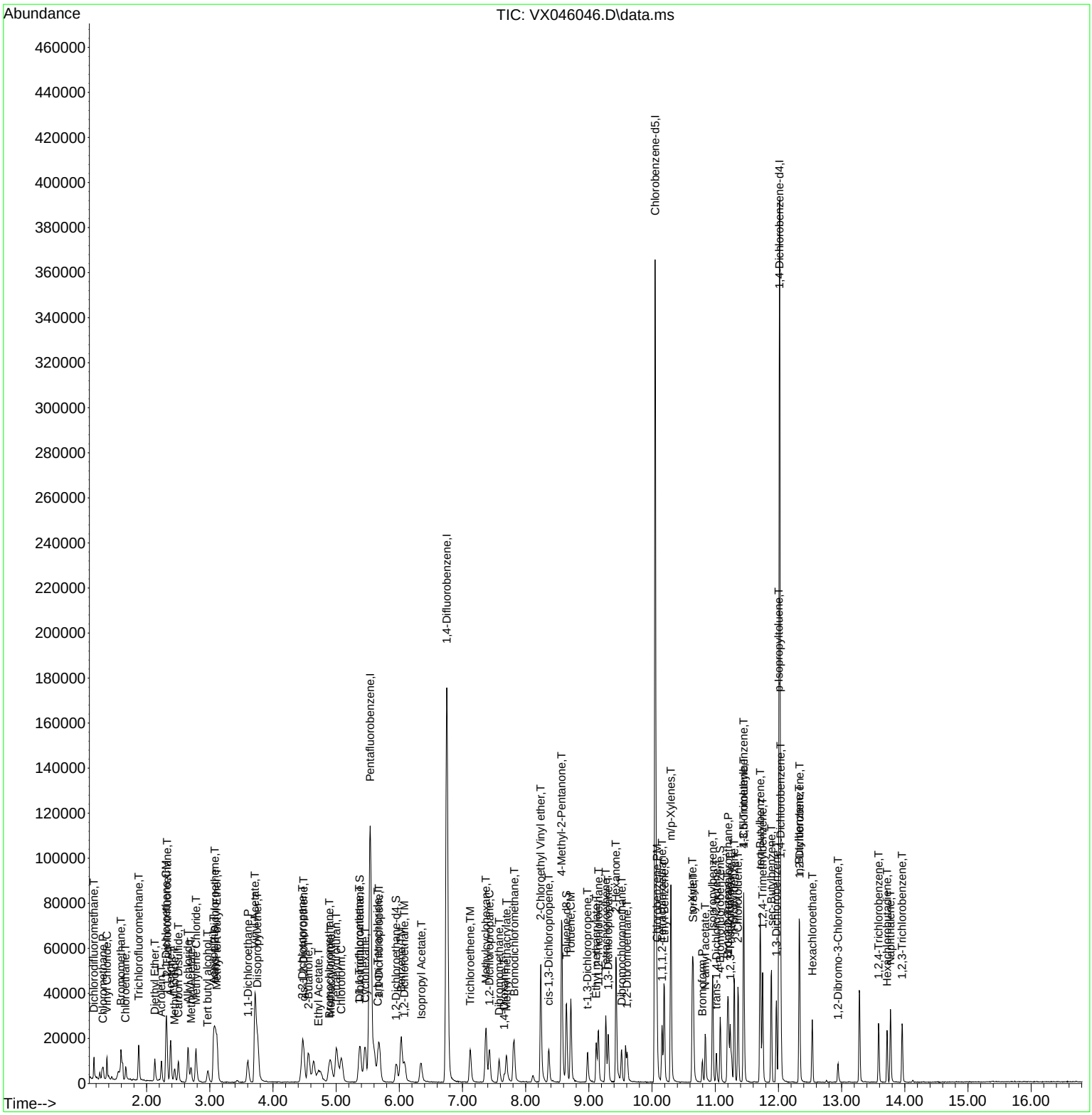
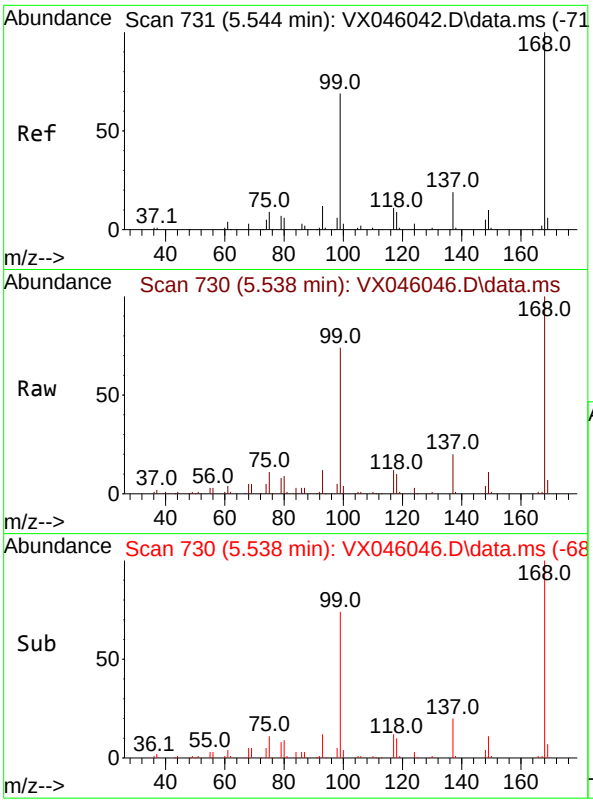
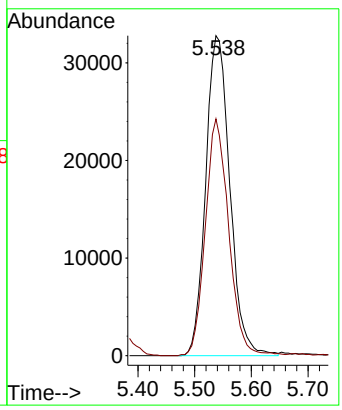




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:168 Resp: 9696

Ion	Ratio	Lower	Upper
168	100		
99	74.0	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
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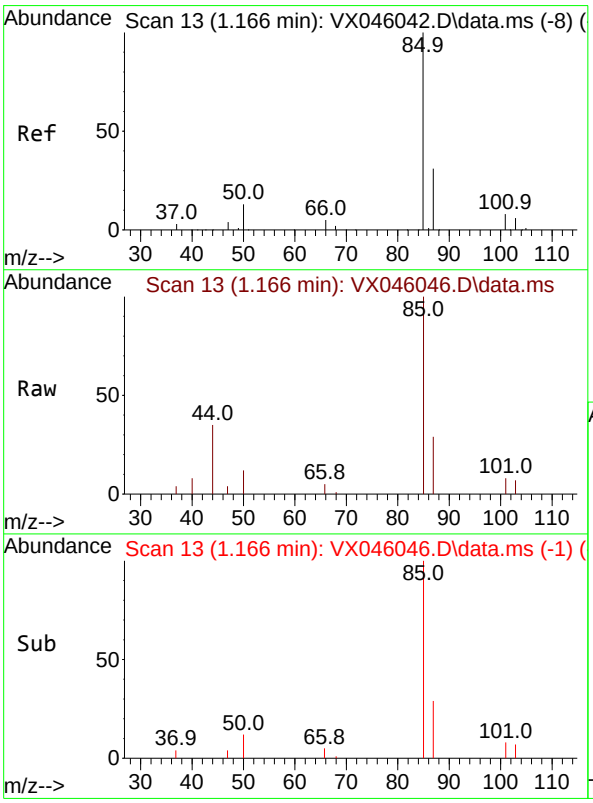
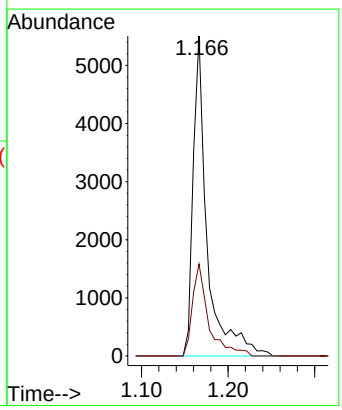
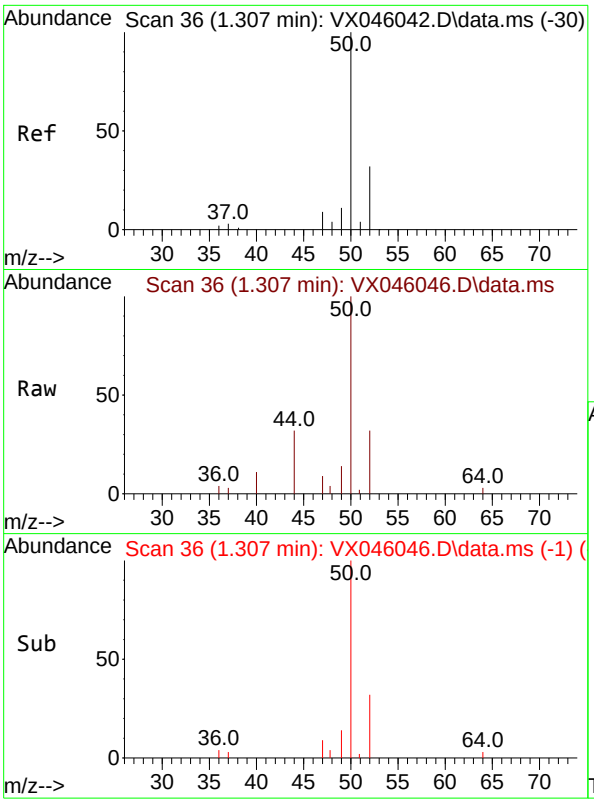


#2
Dichlorodifluoromethane
Concen: 2.894 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 85 Resp: 6195

Ion	Ratio	Lower	Upper
85	100		
87	28.7	15.7	47.1

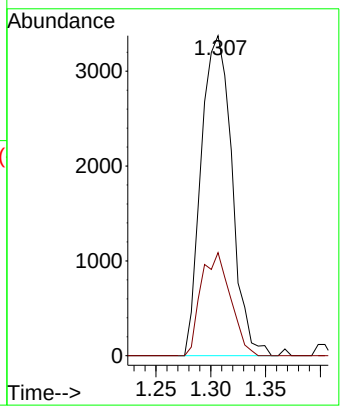




#3
Chloromethane
Concen: 3.125 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 50 Resp: 658

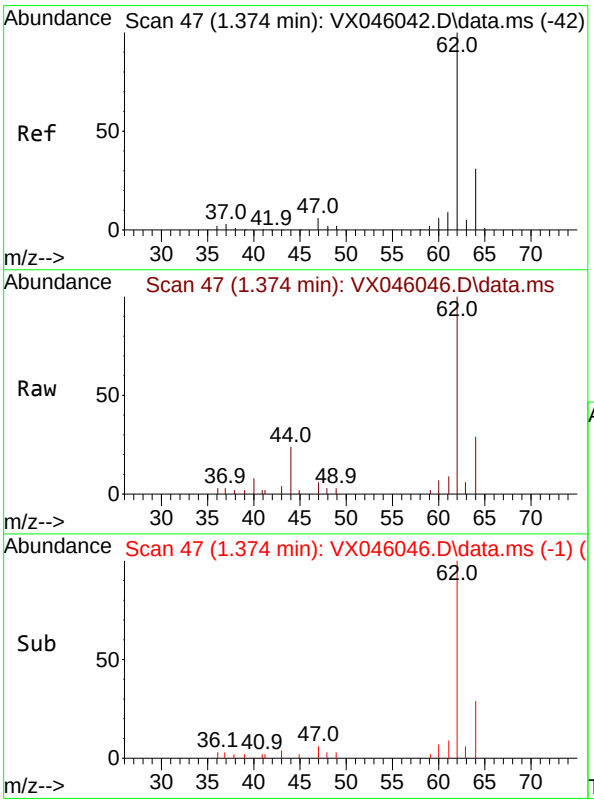
Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

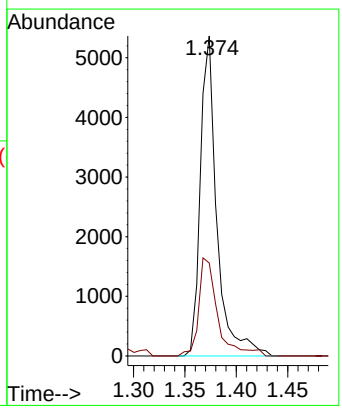
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

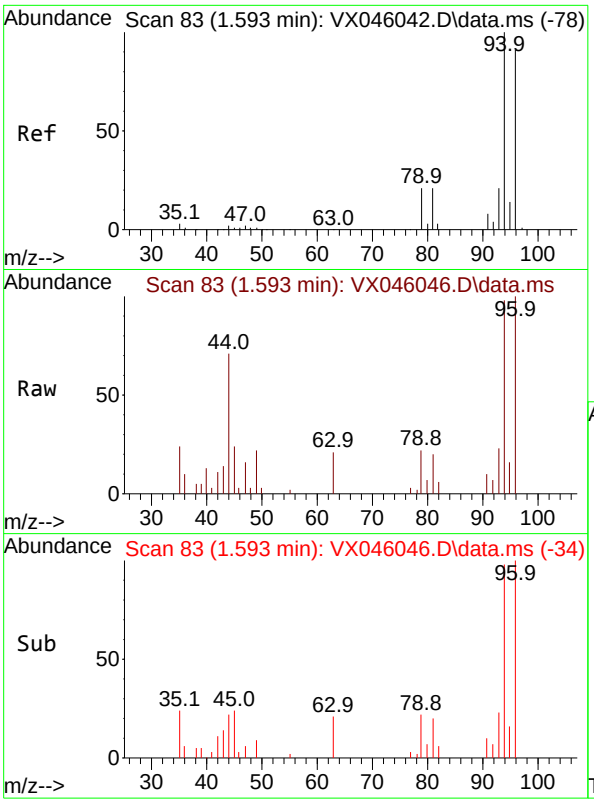


#4
Vinyl Chloride
Concen: 3.249 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 62 Resp: 5999

Ion	Ratio	Lower	Upper
62	100		
64	29.1	25.2	37.8

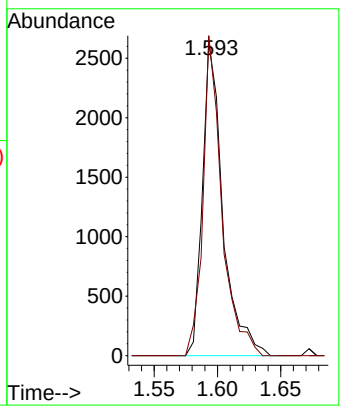




#5
Bromomethane
Concen: 3.164 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 94 Resp: 296

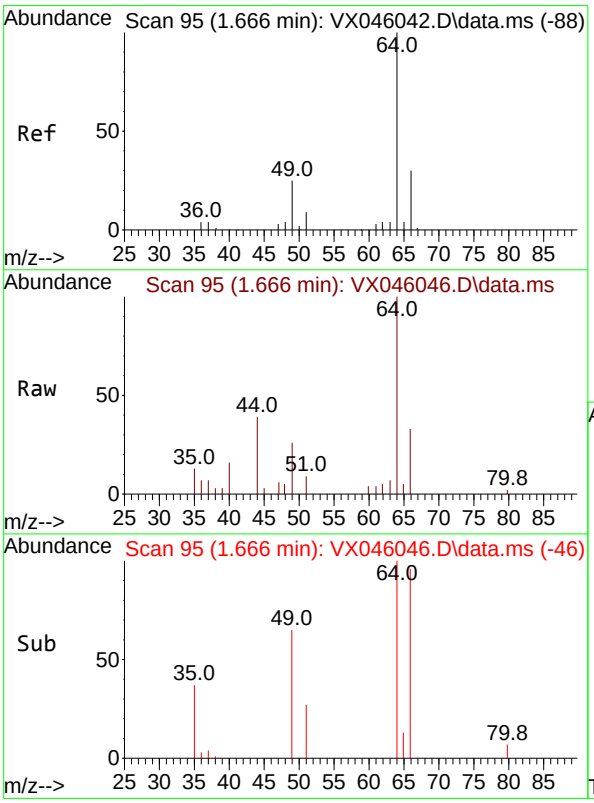
Ion	Ratio	Lower	Upper
94	100		
96	102.2	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

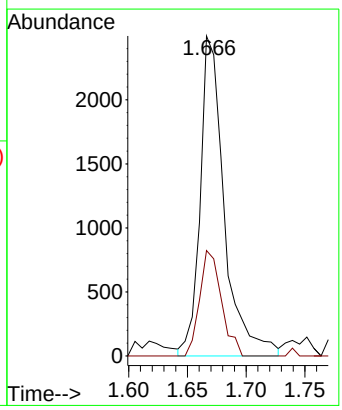
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

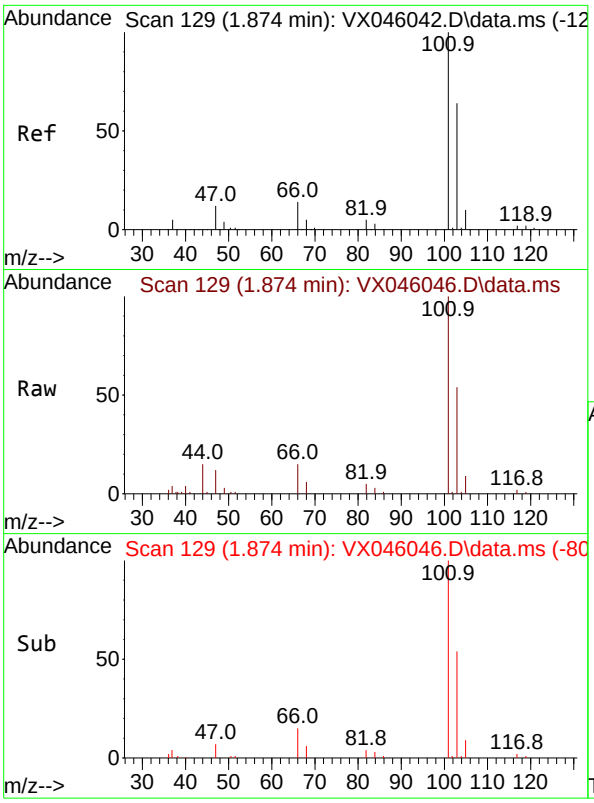


#6
Chloroethane
Concen: 3.750 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 64 Resp: 3567

Ion	Ratio	Lower	Upper
64	100		
66	33.7	24.3	36.5

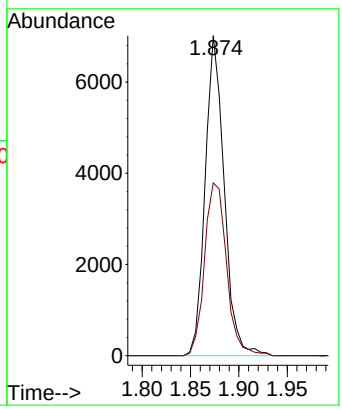




#7
Trichlorofluoromethane
Concen: 3.413 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:101 Resp: 959

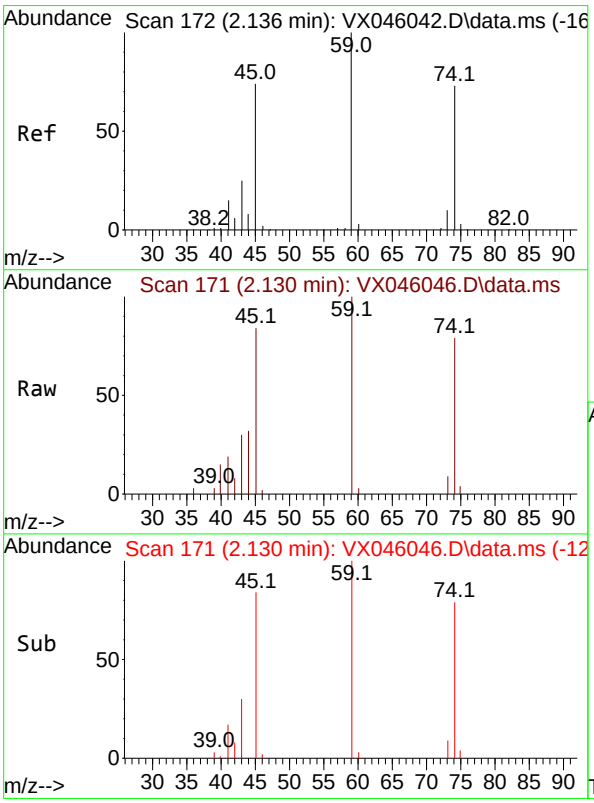
Ion	Ratio	Lower	Upper
101	100		
103	54.0	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

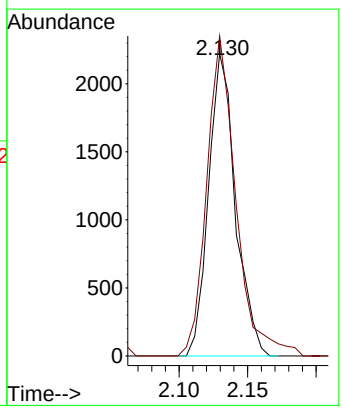
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

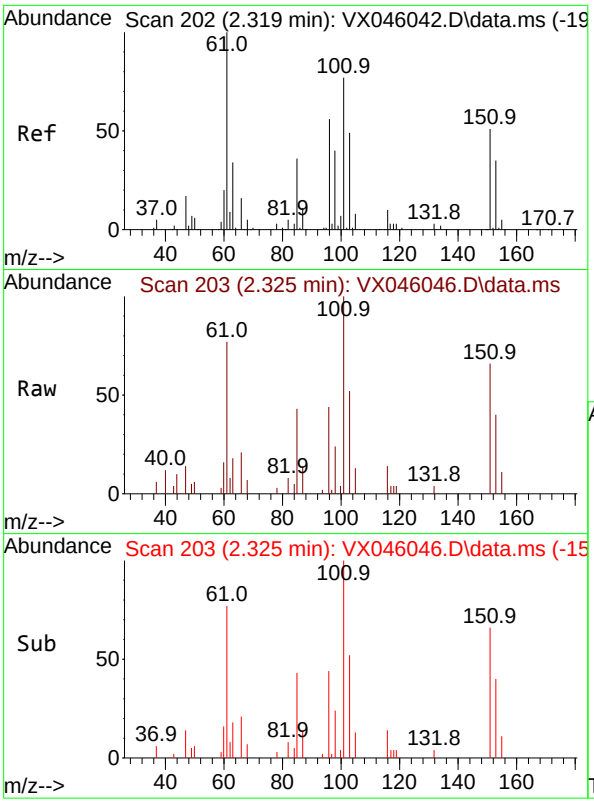


#8
Diethyl Ether
Concen: 3.266 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 74 Resp: 3020

Ion	Ratio	Lower	Upper
74	100		
45	115.1	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.517 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

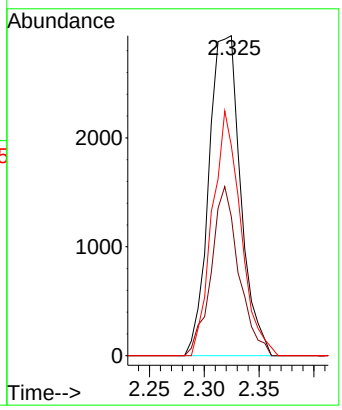
Tgt Ion:101 Resp: 591

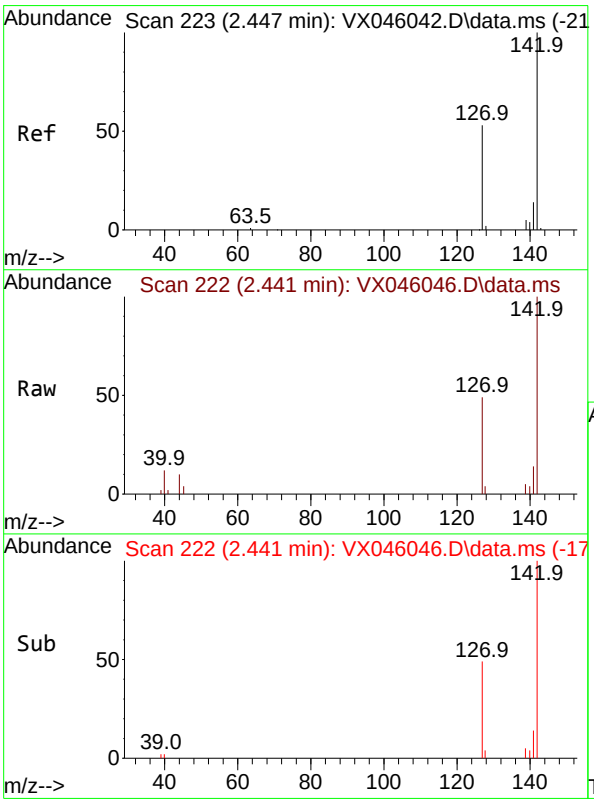
Ion	Ratio	Lower	Upper
101	100		
85	46.3	38.6	58.0
151	68.8	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

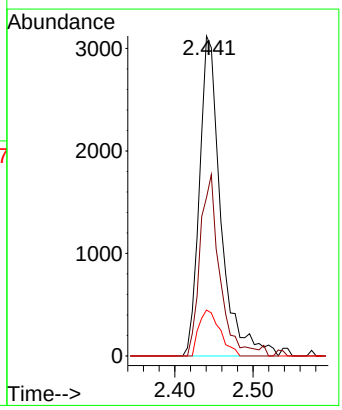


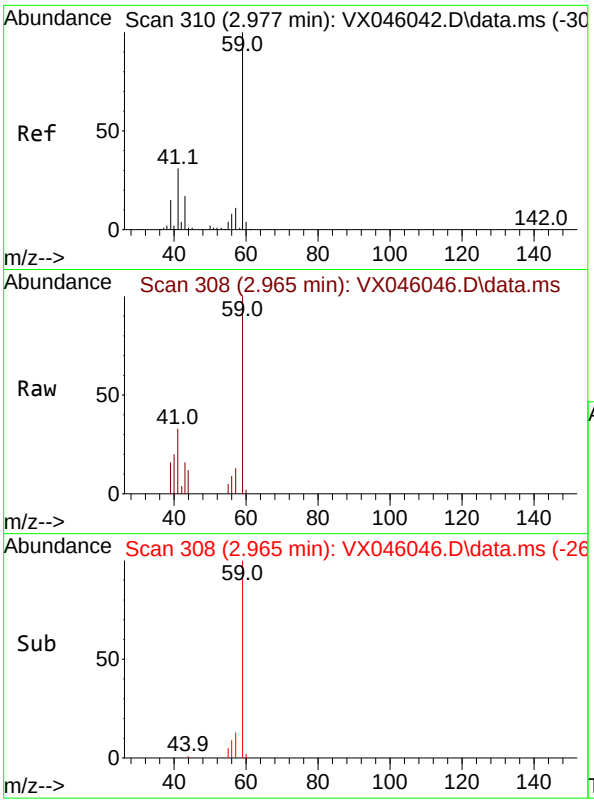


#10
Methyl Iodide
Concen: 2.990 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:142 Resp: 5900

Ion	Ratio	Lower	Upper
142	100		
127	52.8	41.7	62.5
141	14.3	11.5	17.3

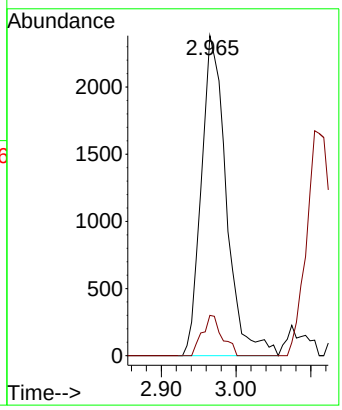




#11
Tert butyl alcohol
Concen: 16.111 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 59 Resp: 553

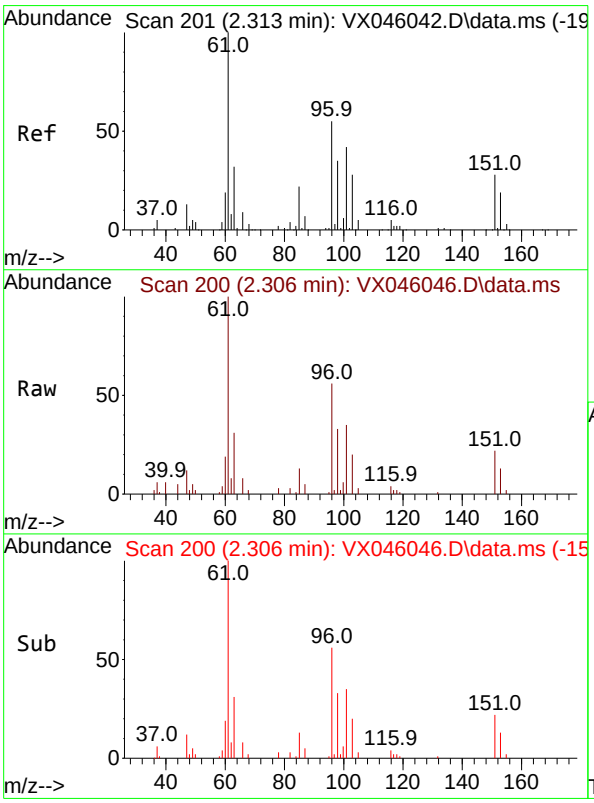
Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

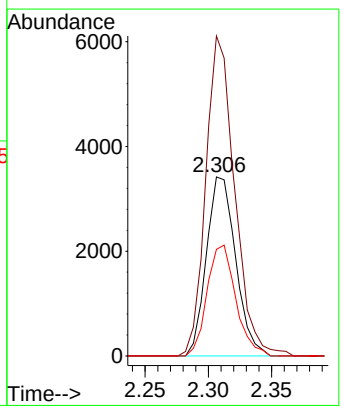
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

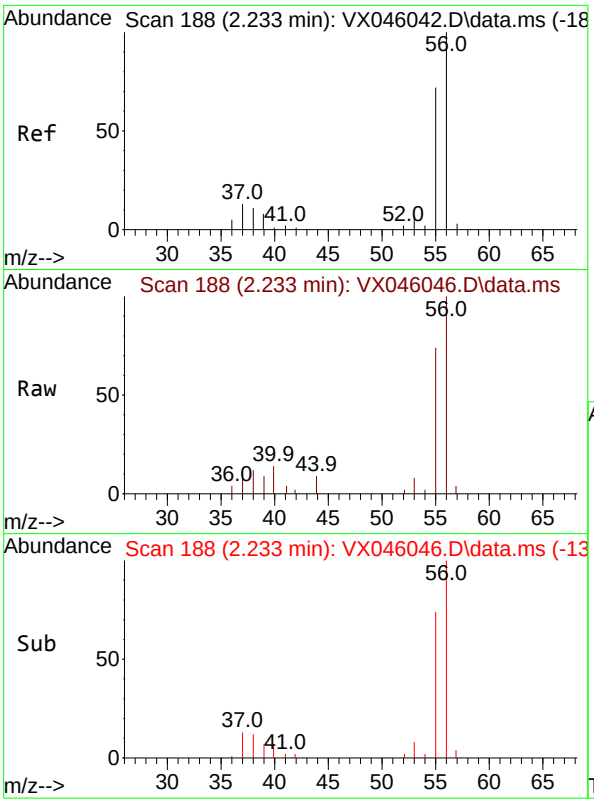


#12
1,1-Dichloroethene
Concen: 3.359 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 96 Resp: 5496

Ion	Ratio	Lower	Upper
96	100		
61	178.7	146.2	219.2
98	59.5	51.0	76.6

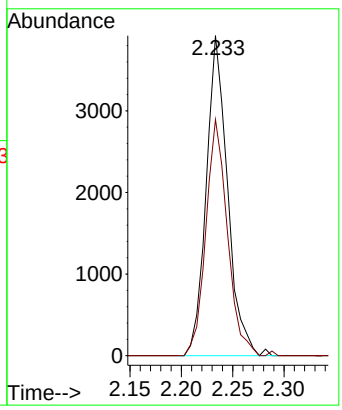




#13
Acrolein
Concen: 14.206 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 56 Resp: 567

Ion	Ratio	Lower	Upper
56	100		
55	74.5	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
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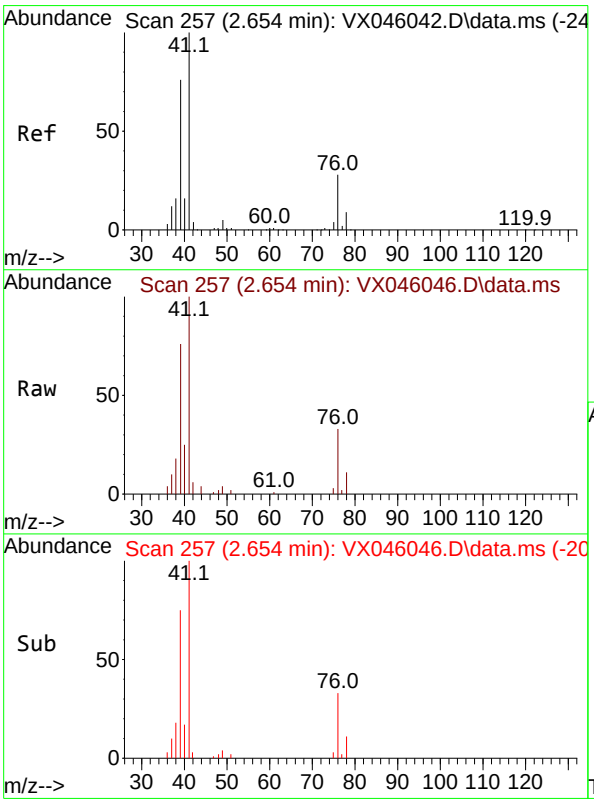
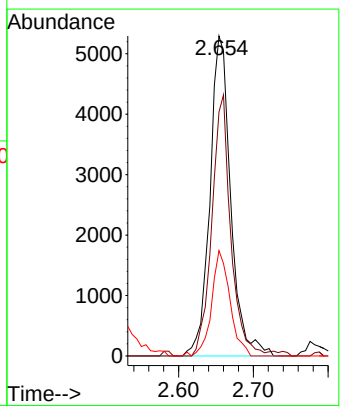
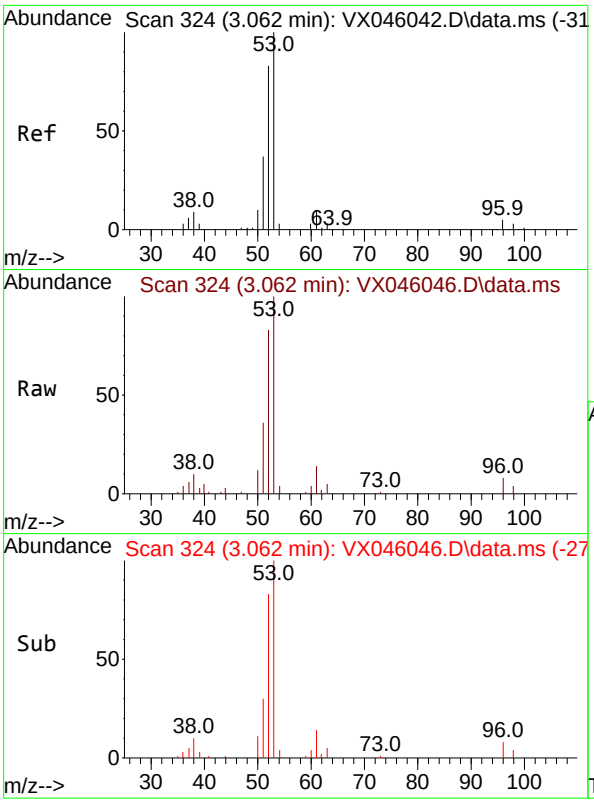


#14
Allyl chloride
Concen: 3.319 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 41 Resp: 10262

Ion	Ratio	Lower	Upper
41	100		
39	74.1	60.6	90.8
76	29.1	24.9	37.3

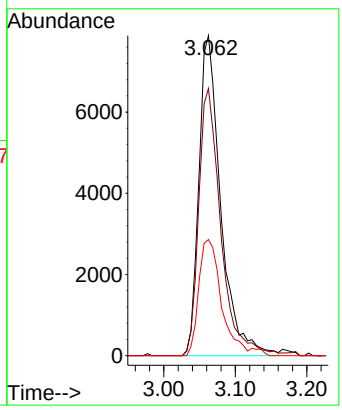




#15
Acrylonitrile
Concen: 16.282 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 53 Resp: 1674

Ion	Ratio	Lower	Upper
53	100		
52	84.3	65.3	97.9
51	38.5	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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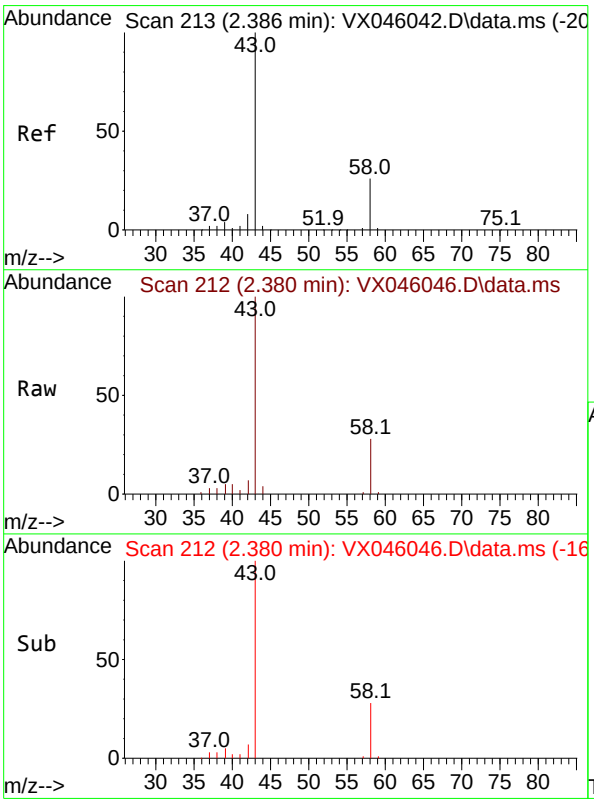
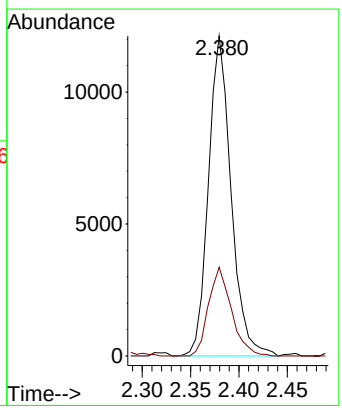
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

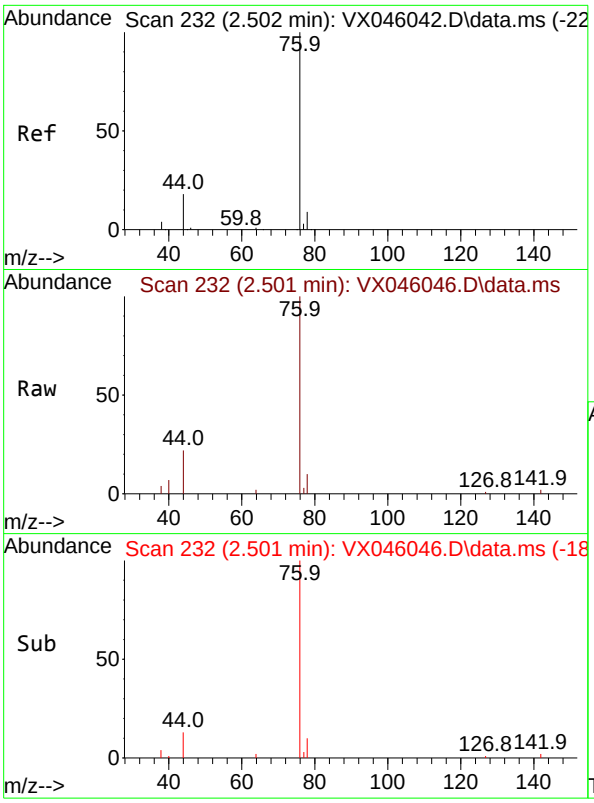


#16
Acetone
Concen: 20.036 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 19773

Ion	Ratio	Lower	Upper
43	100		
58	27.7	21.2	31.8

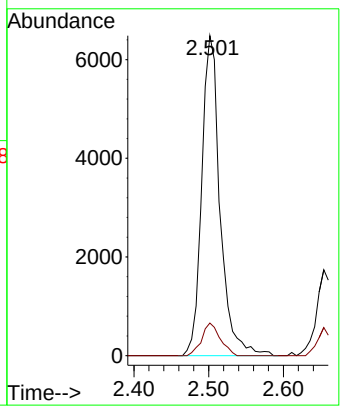




#17
Carbon Disulfide
Concen: 2.919 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 76 Resp: 1106

Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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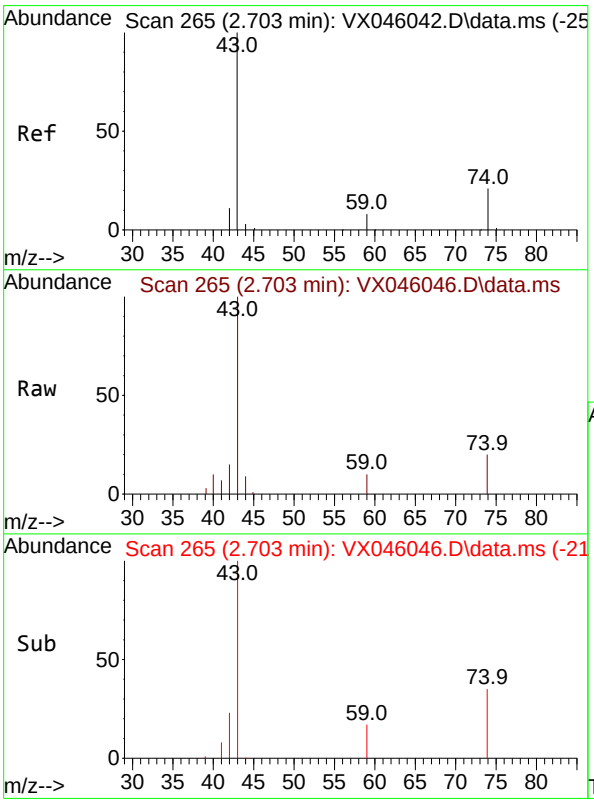
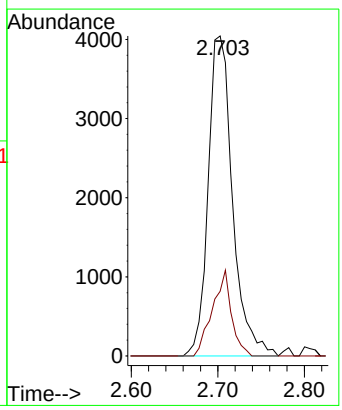
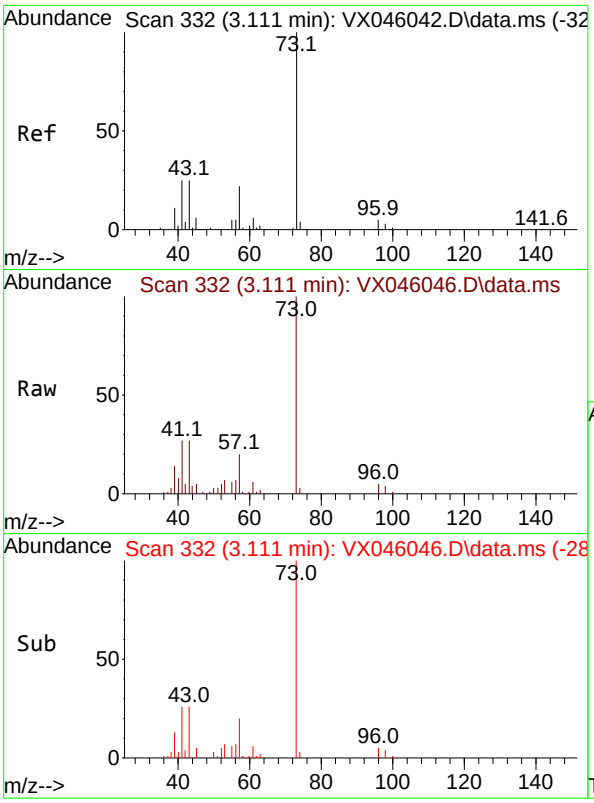


#18
Methyl Acetate
Concen: 3.357 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 7909

Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1

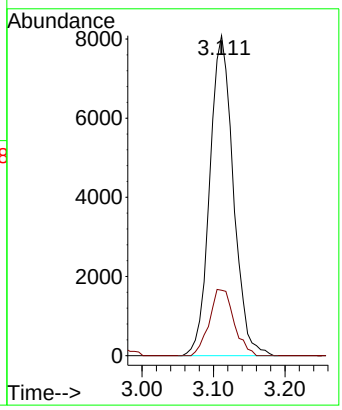




#19
Methyl tert-butyl Ether
Concen: 3.241 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 73 Resp: 1849

Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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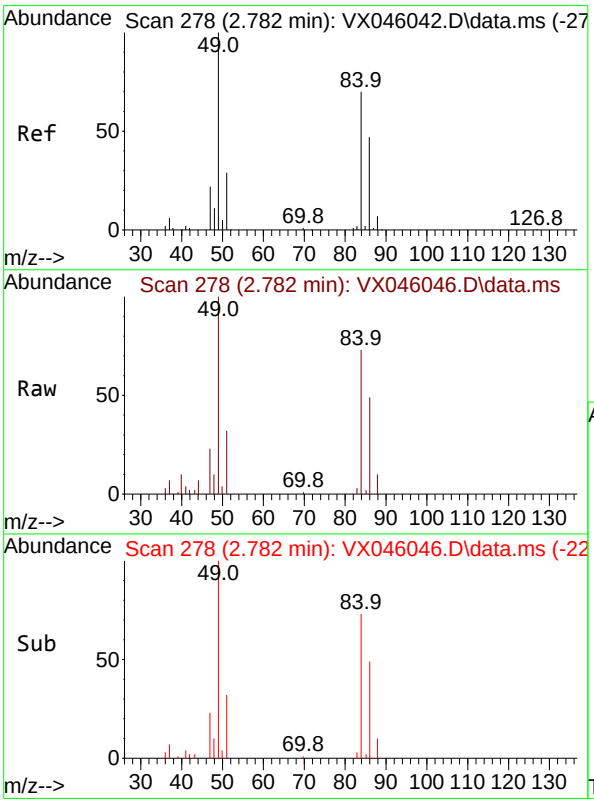
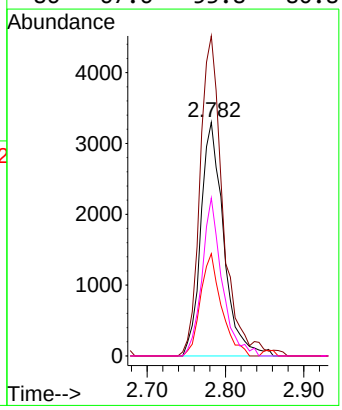
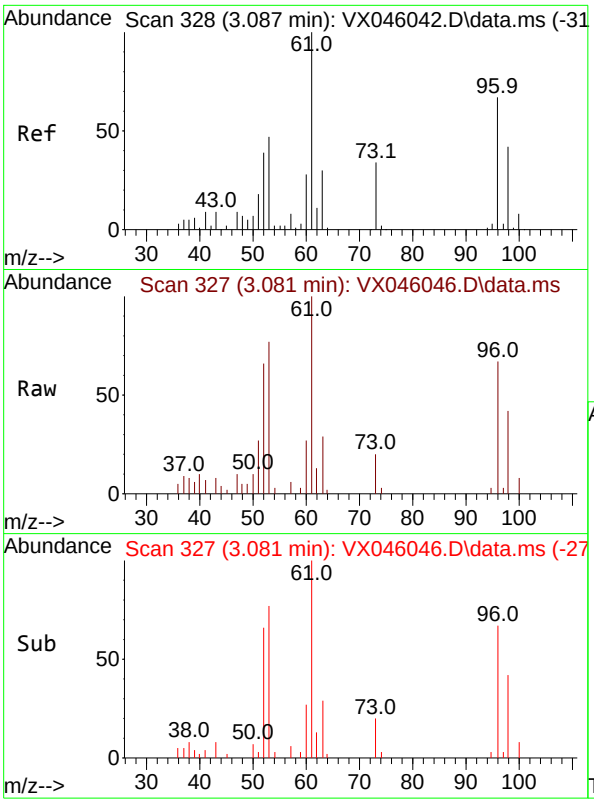


#20
Methylene Chloride
Concen: 3.341 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 84 Resp: 6680

Ion	Ratio	Lower	Upper
84	100		
49	137.0	113.9	170.9
51	43.8	33.5	50.3
86	67.6	53.8	80.8

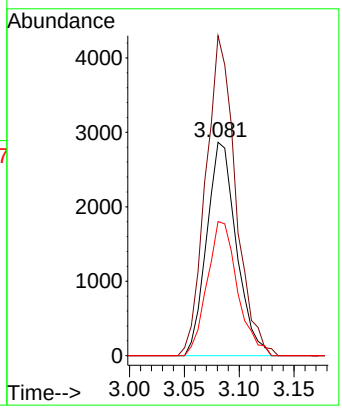




#21
trans-1,2-Dichloroethene
Concen: 3.234 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 96 Resp: 540

Ion	Ratio	Lower	Upper
96	100		
61	149.9	119.5	179.3
98	62.9	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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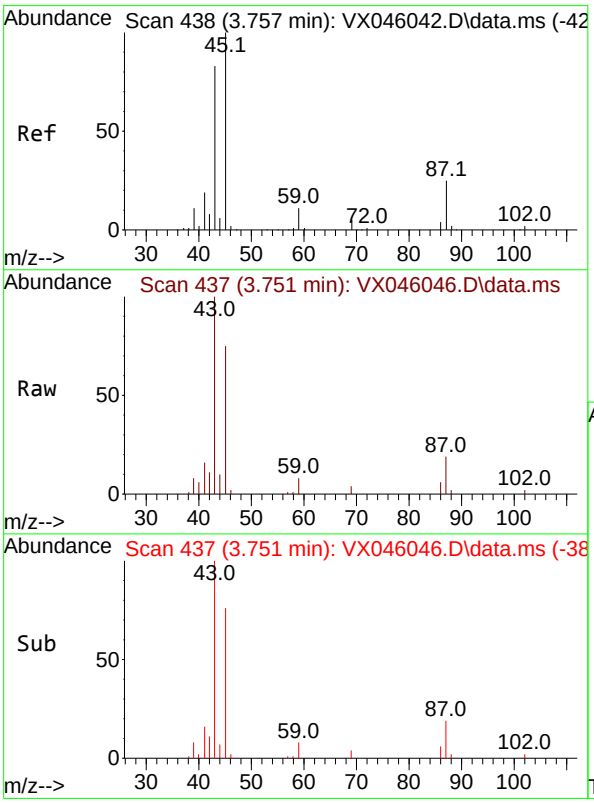
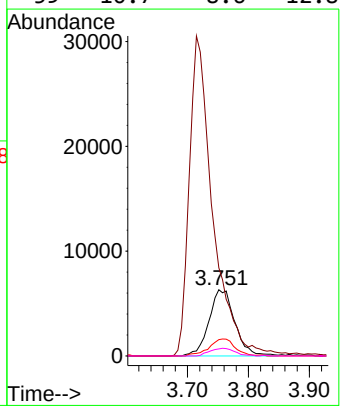
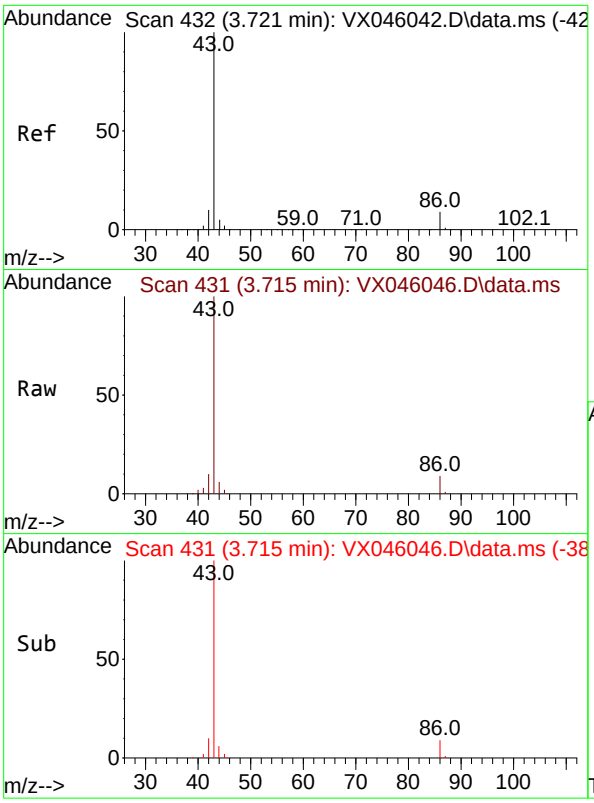


#22
Diisopropyl ether
Concen: 3.230 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 45 Resp: 18657

Ion	Ratio	Lower	Upper
45	100		
43	128.0	66.6	100.0#
87	24.7	19.8	29.6
59	10.7	8.6	12.8





#23
Vinyl Acetate
Concen: 16.127 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 8232

Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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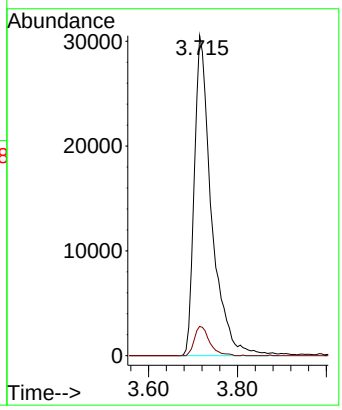
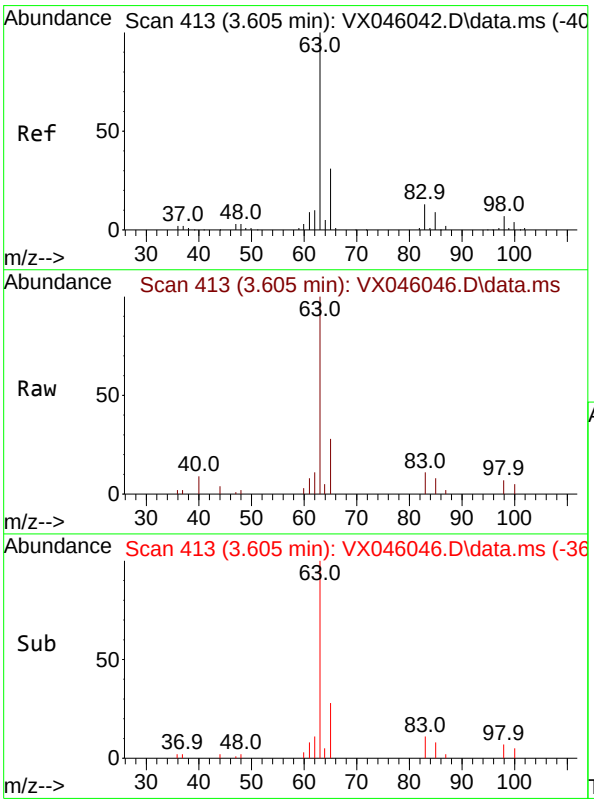
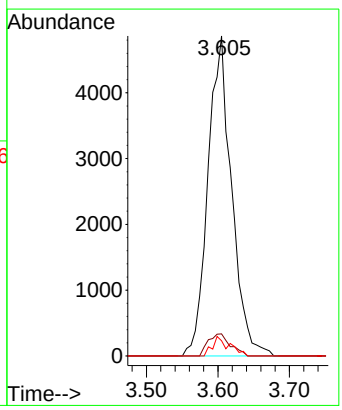


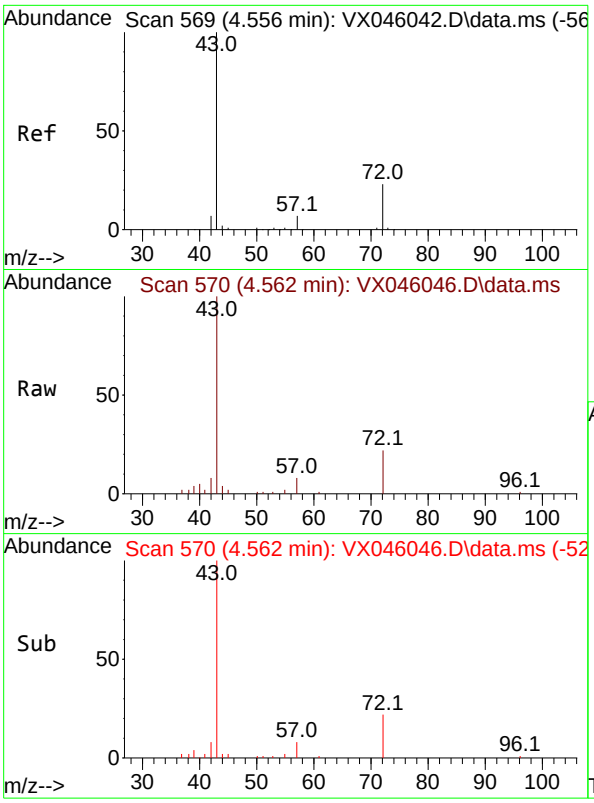


#24
1,1-Dichloroethane
Concen: 3.297 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 63 Resp: 11193

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.6	10.8
100	4.7	2.1	6.3





#25
2-Butanone
Concen: 18.340 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 2612

Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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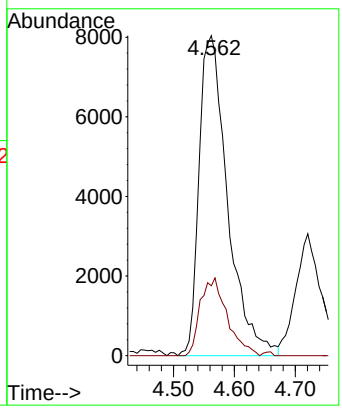
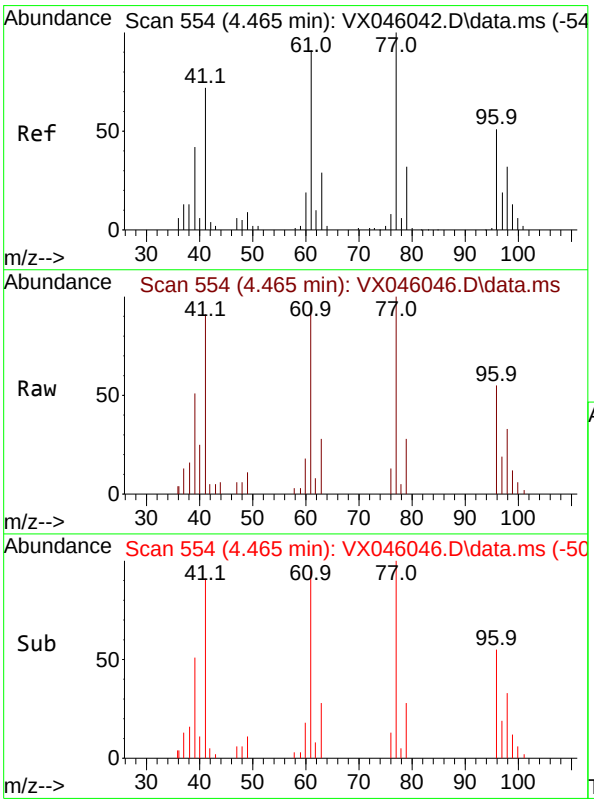
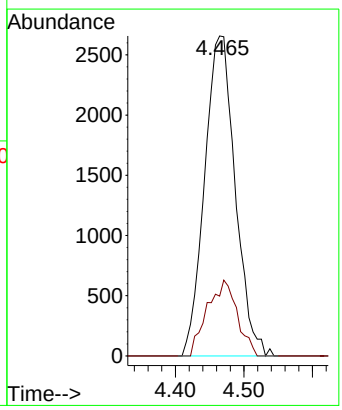


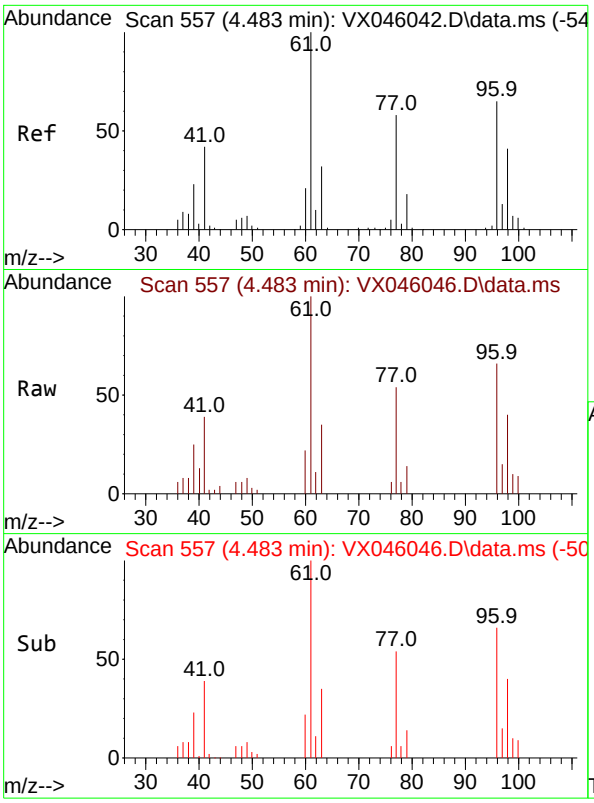


#26
2,2-Dichloropropane
Concen: 3.205 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 77 Resp: 8245

Ion	Ratio	Lower	Upper
77	100		
97	23.1	10.5	31.5

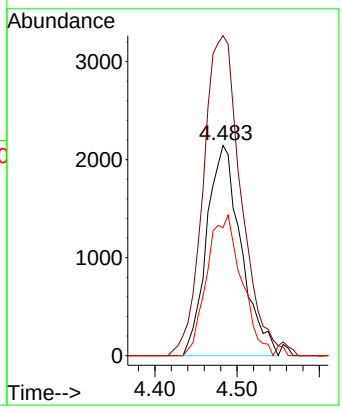




#27
cis-1,2-Dichloroethene
Concen: 3.089 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 96 Resp: 622

Ion	Ratio	Lower	Upper
96	100		
61	168.5	0.0	322.8
98	67.6	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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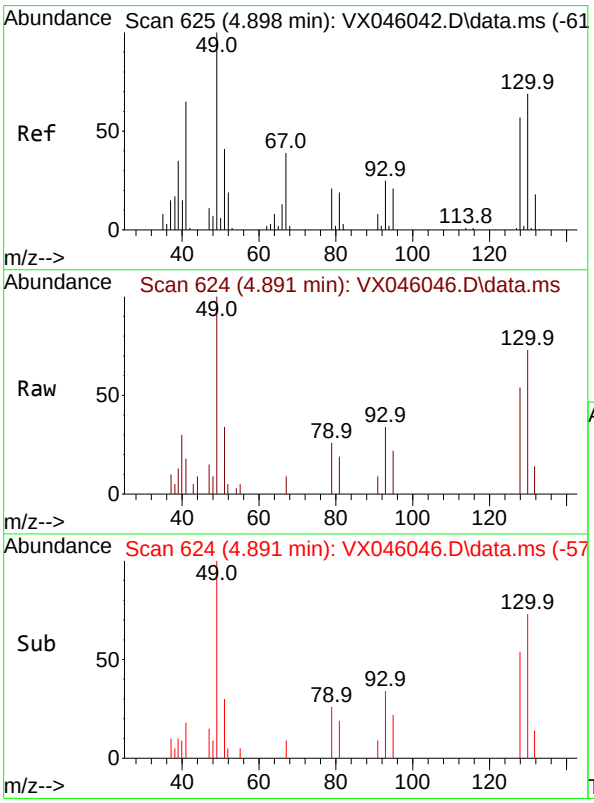
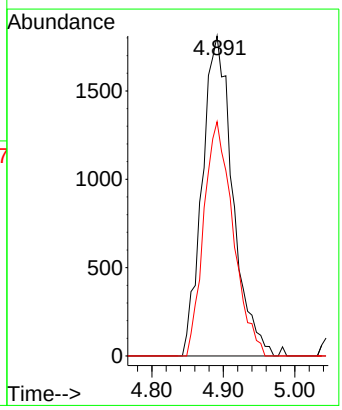
Supervised By :Mahesh Dadoda 05/06/2025

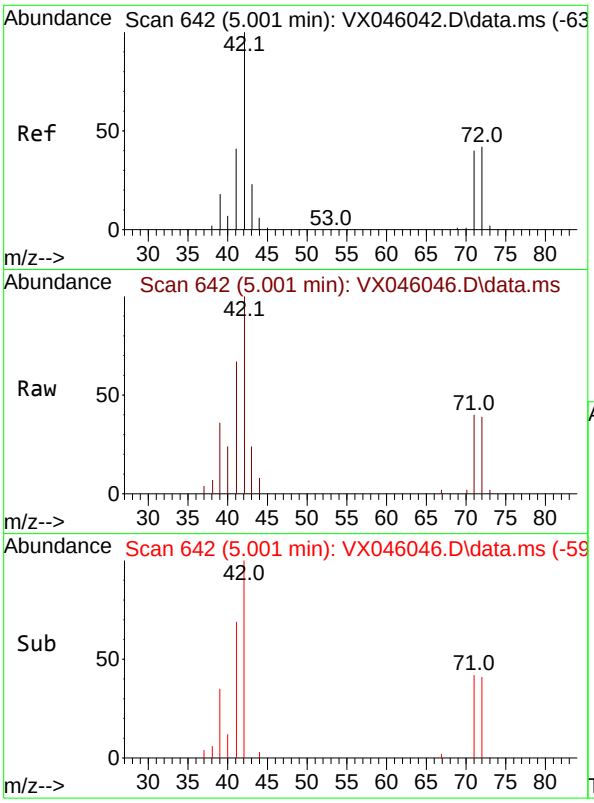


#28
Bromochloromethane
Concen: 2.969 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 49 Resp: 5360

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	70.5	56.2	84.2





#29
Tetrahydrofuran
Concen: 16.680 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 42 Resp: 1543

Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.7	50.5
71	37.4	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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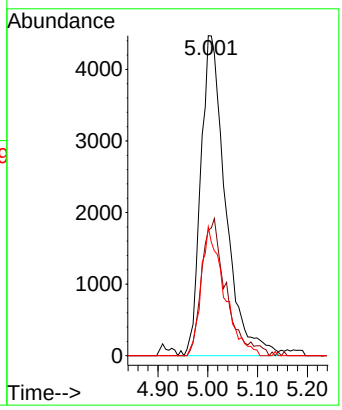
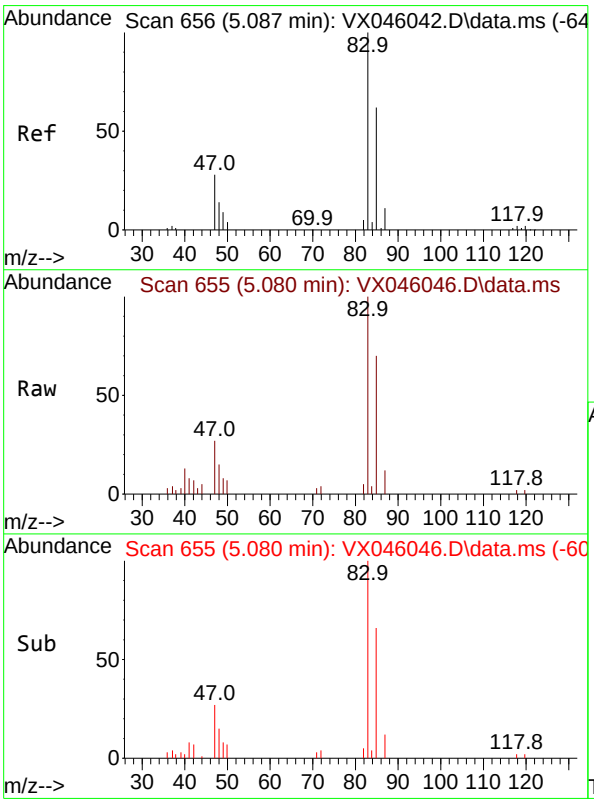
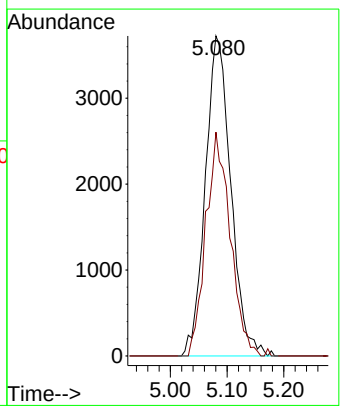


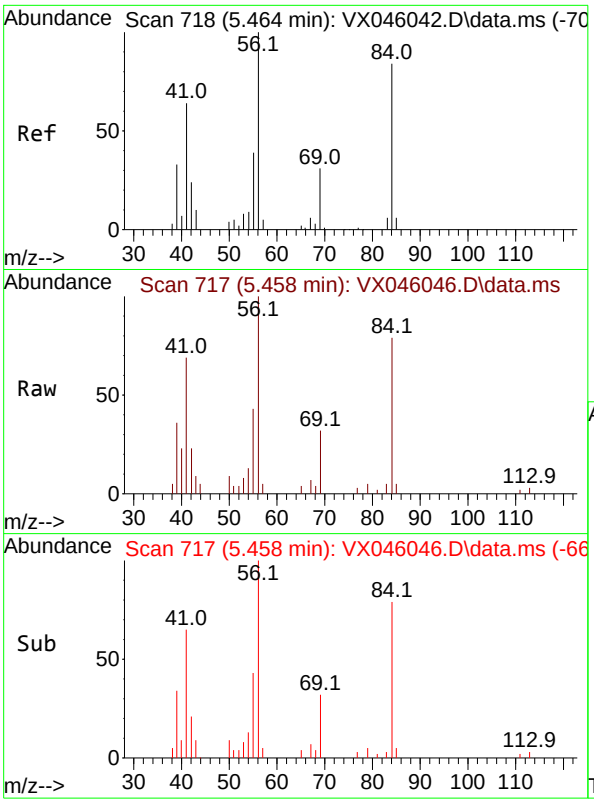


#30
Chloroform
Concen: 3.294 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 11624

Ion	Ratio	Lower	Upper
83	100		
85	69.9	49.3	73.9

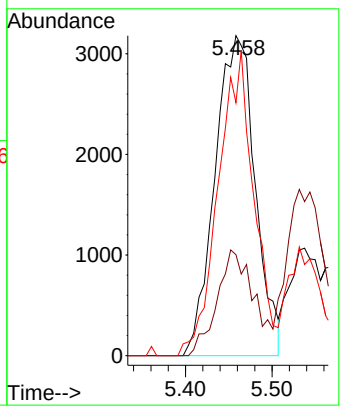




#31
Cyclohexane
Concen: 3.588 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 56 Resp: 1026

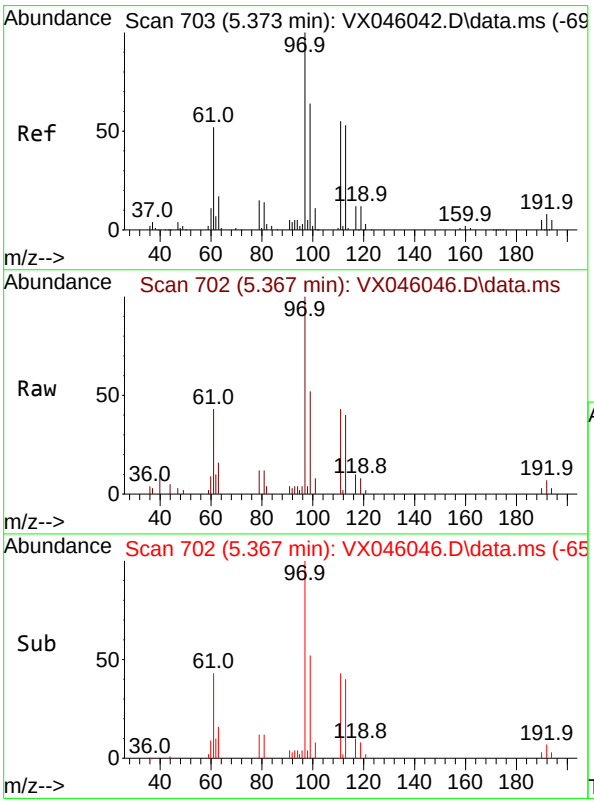
Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.4	36.6
84	79.1	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

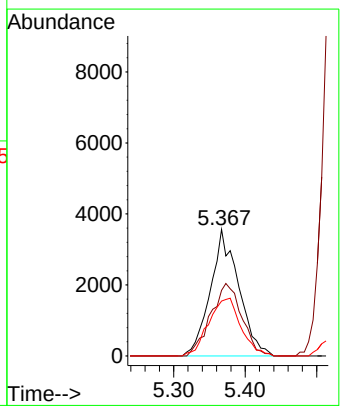
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

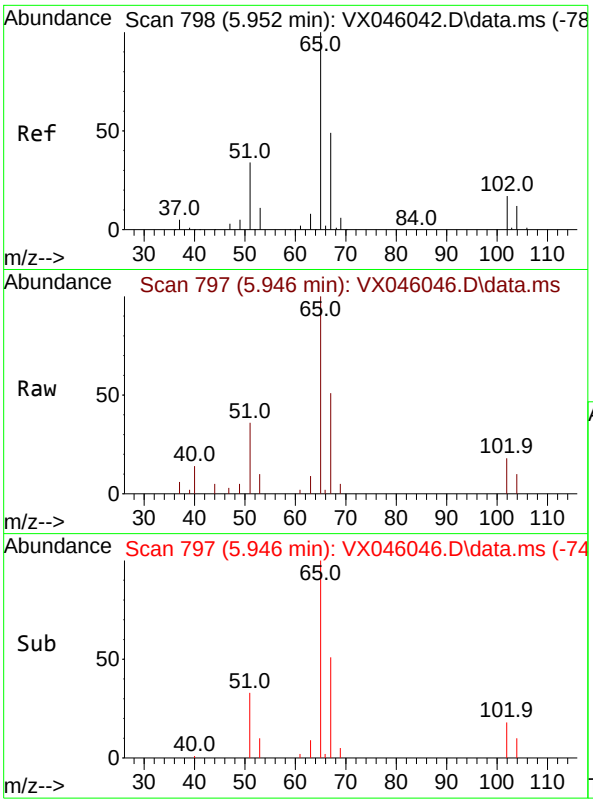


#32
1,1,1-Trichloroethane
Concen: 3.229 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 97 Resp: 9827

Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.8	77.6
61	51.8	40.1	60.1

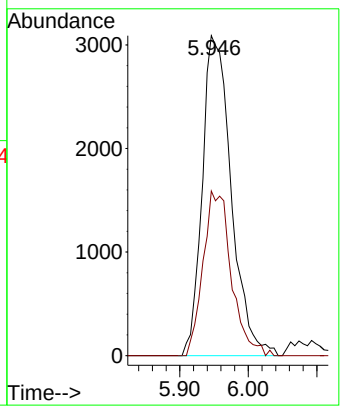




#33
1,2-Dichloroethane-d4
Concen: 3.143 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 65 Resp: 906

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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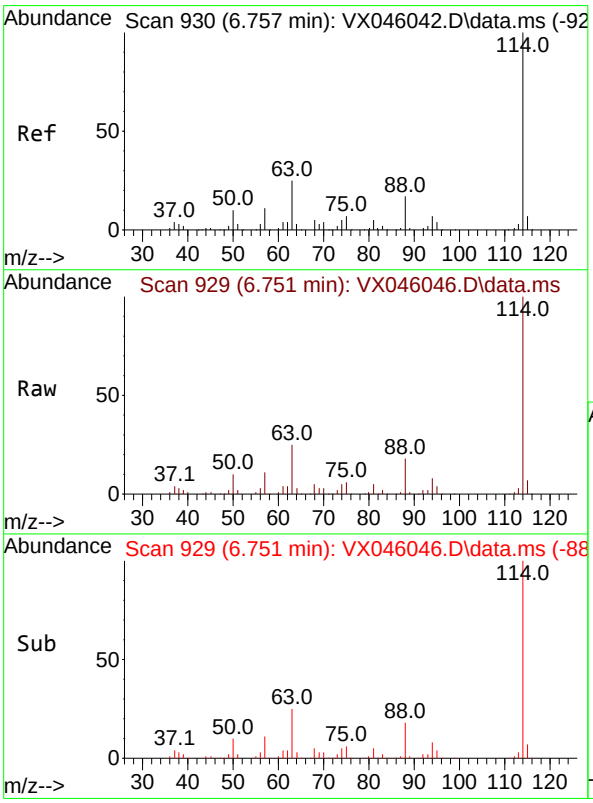
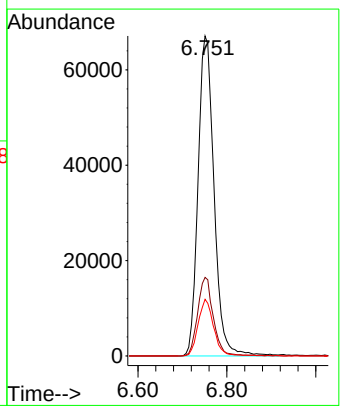
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

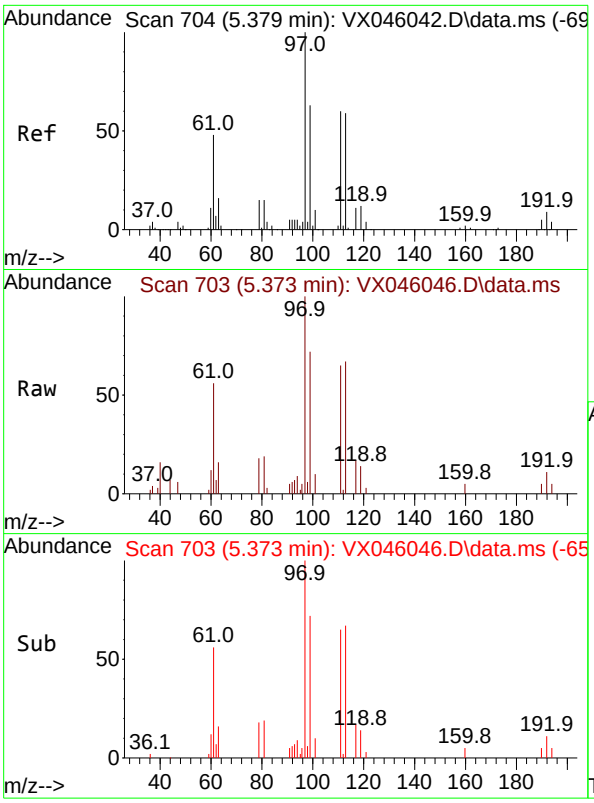


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:114 Resp: 168484

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	49.2
88	17.7	0.0	33.6

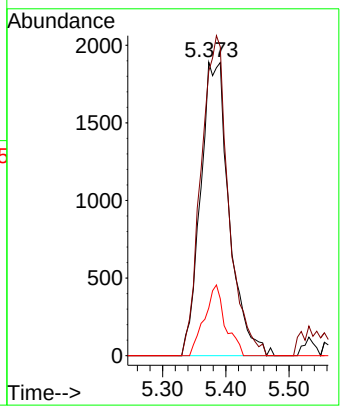




#35
Dibromofluoromethane
Concen: 3.161 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:113 Resp: 596

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.1	124.7
192	17.5	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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Reviewed By :John Carlone 05/06/2025
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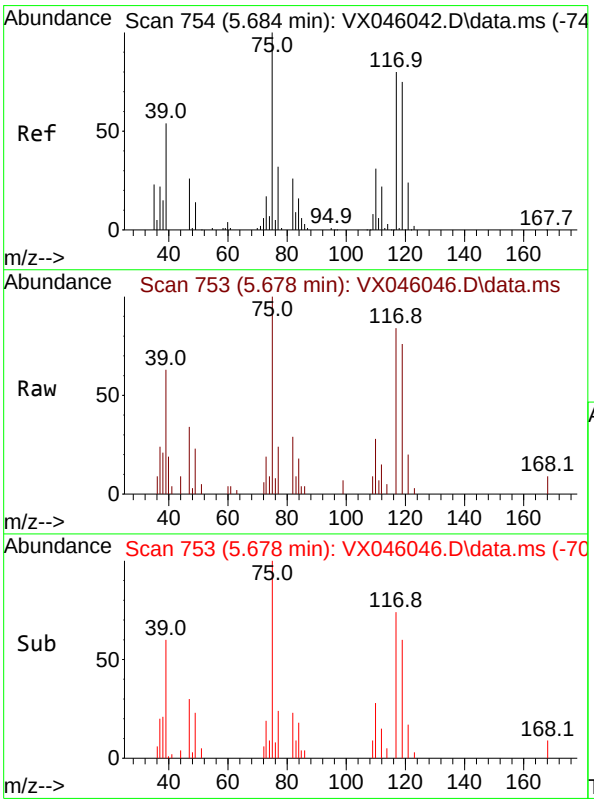
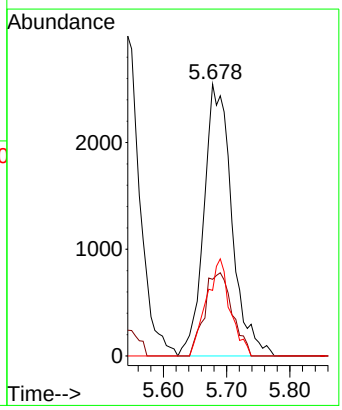
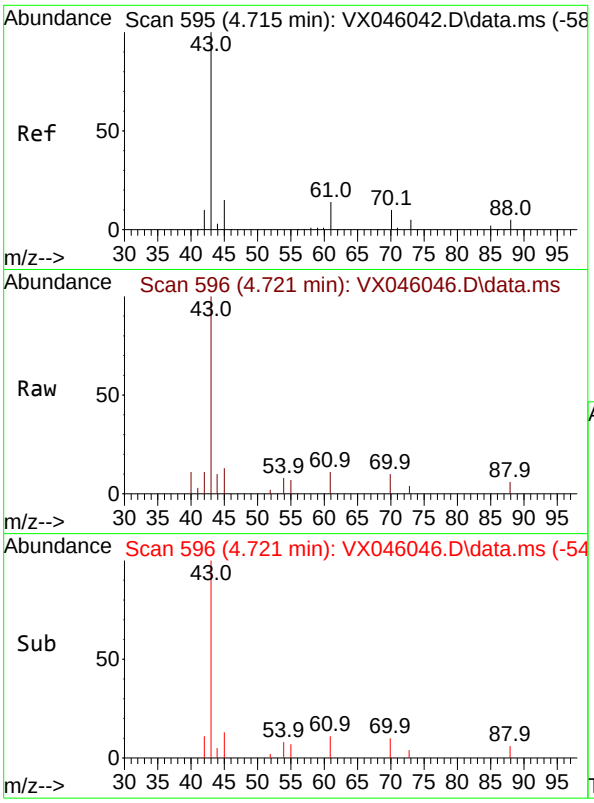


#36
1,1-Dichloropropene
Concen: 3.551 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 7787

Ion	Ratio	Lower	Upper
75	100		
110	30.6	16.3	48.9
77	30.5	24.3	36.5

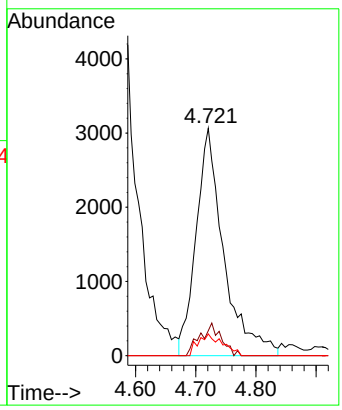




#37
Ethyl Acetate
Concen: 3.565 ug/l m
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 980

Ion	Ratio	Lower	Upper
43	100		
61	11.0	10.3	15.5
70	8.4	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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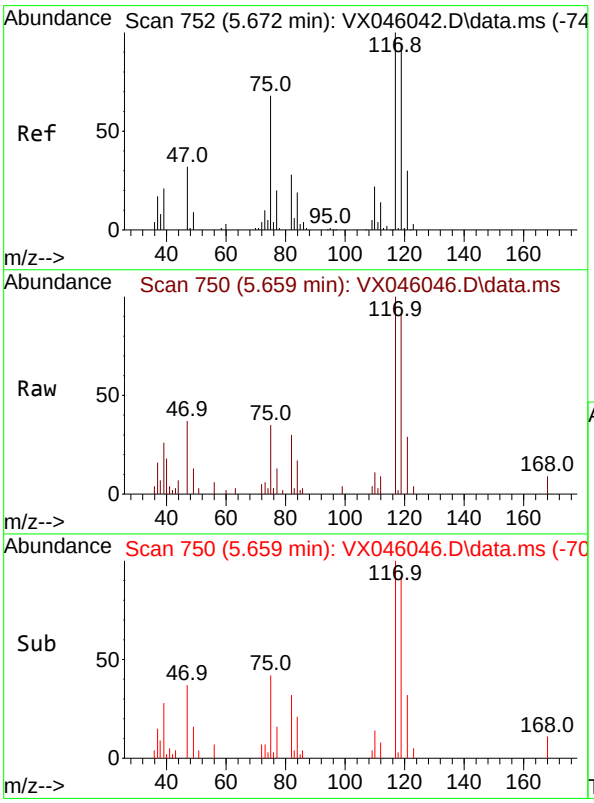
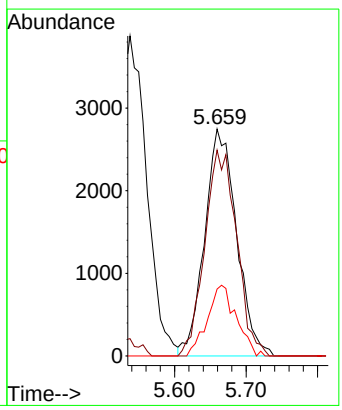
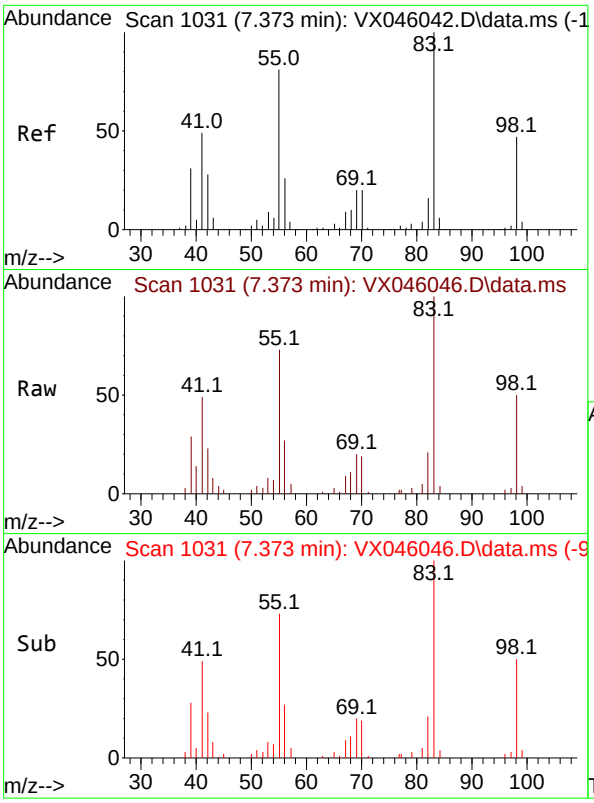


#38
Carbon Tetrachloride
Concen: 3.376 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 8505

Ion	Ratio	Lower	Upper
117	100		
119	90.6	75.2	112.8
121	29.5	24.2	36.4

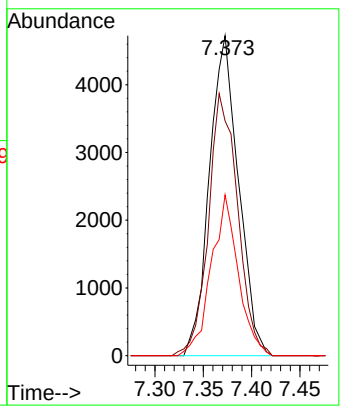




#39
Methylcyclohexane
Concen: 3.597 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 988

Ion	Ratio	Lower	Upper
83	100		
55	73.3	64.7	97.1
98	50.3	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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Reviewed By :John Carlone 05/06/2025
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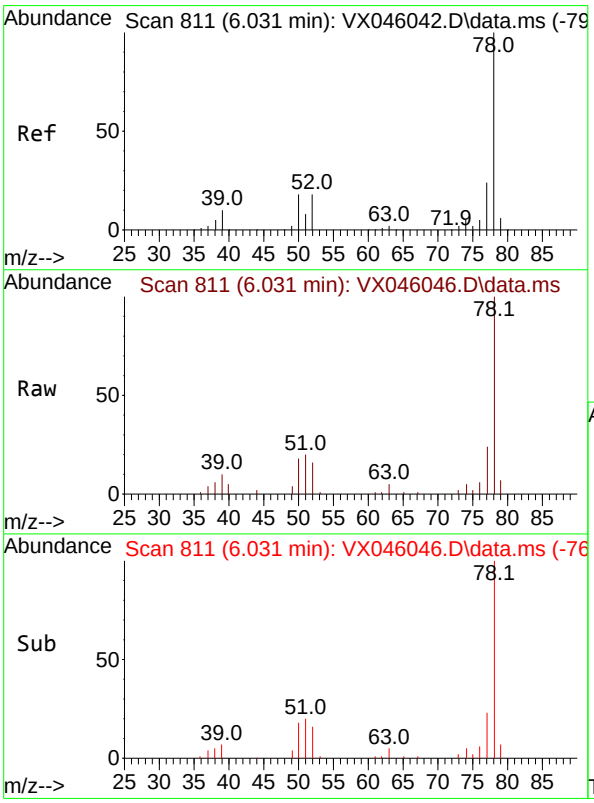
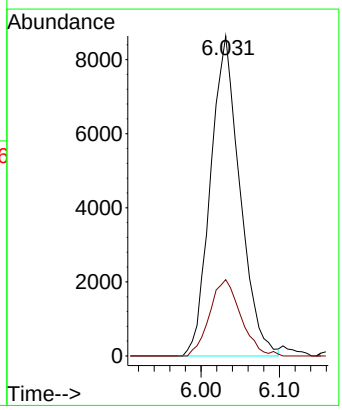
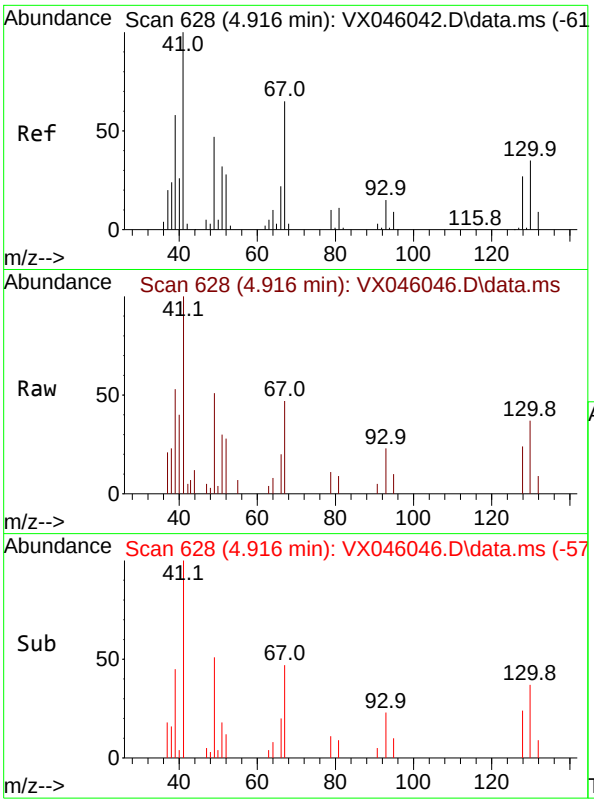


#40
Benzene
Concen: 3.315 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 78 Resp: 22528

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4

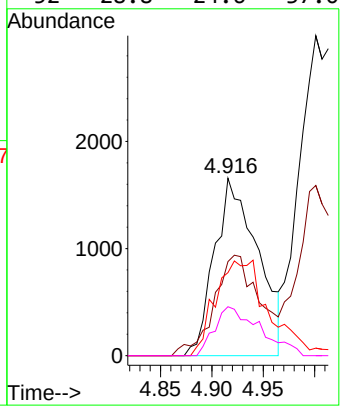




#41
Methacrylonitrile
Concen: 3.174 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 41 Resp: 485

Ion	Ratio	Lower	Upper
41	100		
39	59.7	47.2	70.8
67	0.0	50.7	76.1#
52	28.8	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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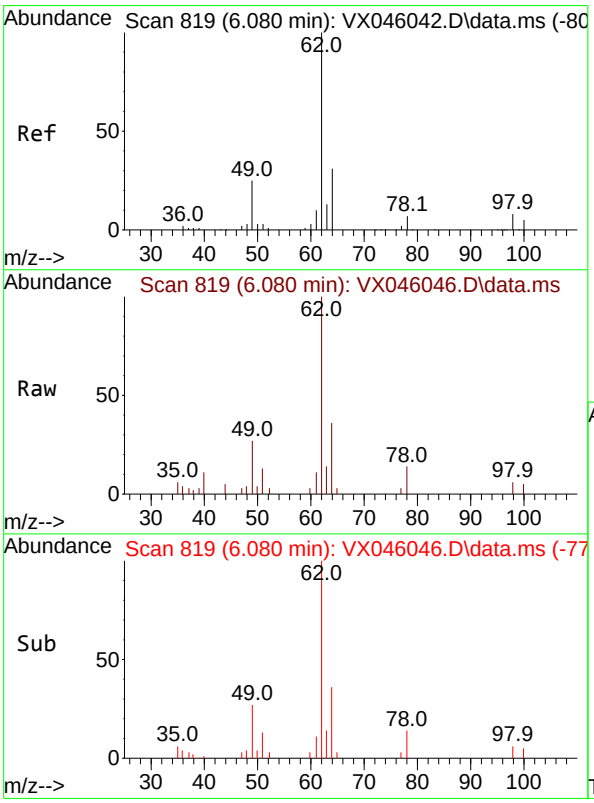
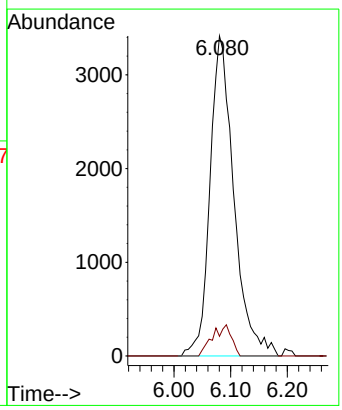
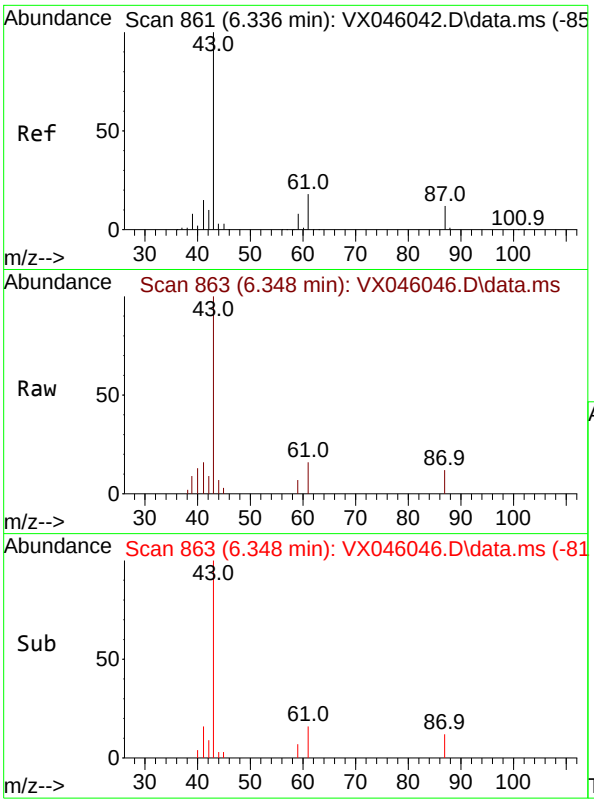


#42
1,2-Dichloroethane
Concen: 3.563 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 62 Resp: 10011

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.2





#43
Isopropyl Acetate
Concen: 3.309 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 1391

Ion	Ratio	Lower	Upper
43	100		
61	16.2	14.3	21.5
87	10.6	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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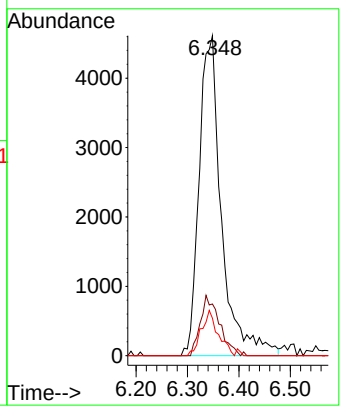
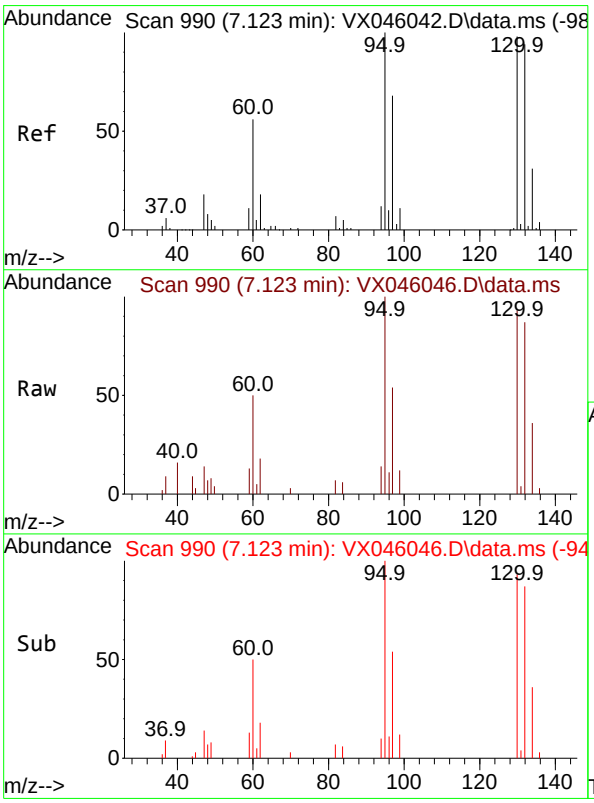
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

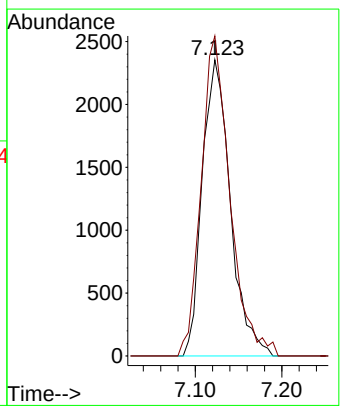


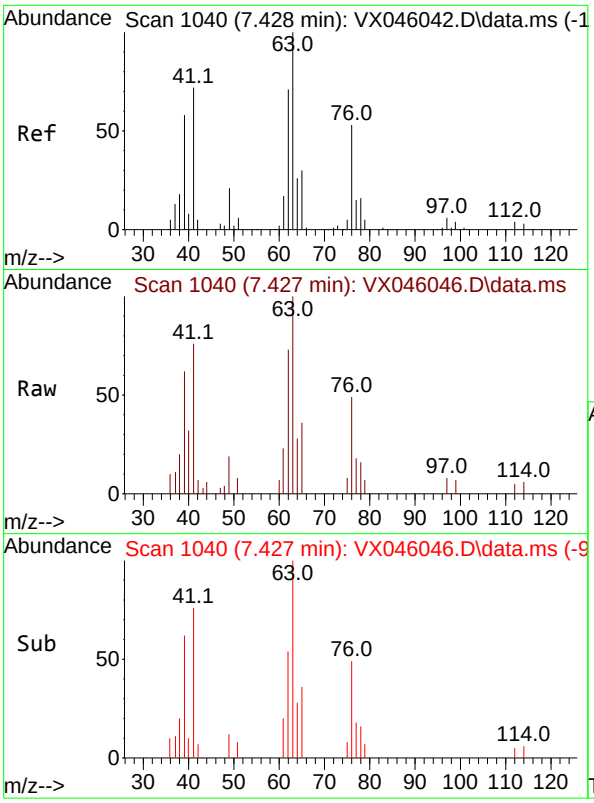


#44
Trichloroethene
Concen: 3.307 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:130 Resp: 5313

Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	204.2





#45
1,2-Dichloropropane
Concen: 3.228 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 63 Resp: 545

Ion	Ratio	Lower	Upper
63	100		
65	36.2	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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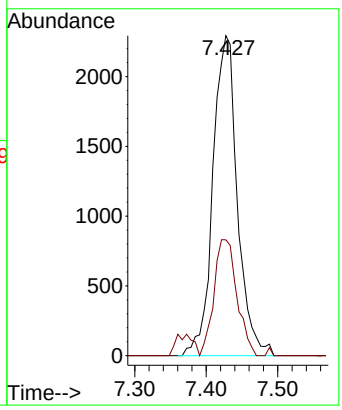
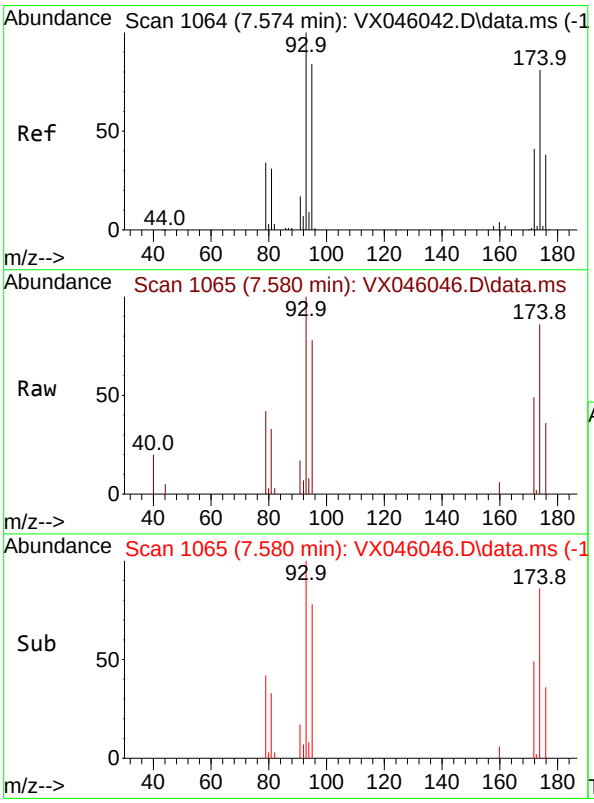
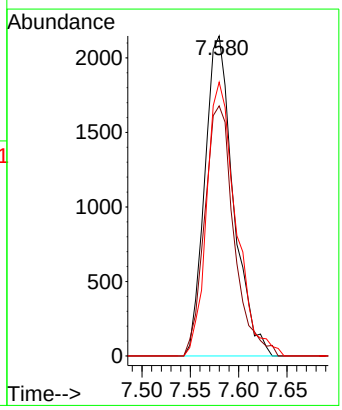


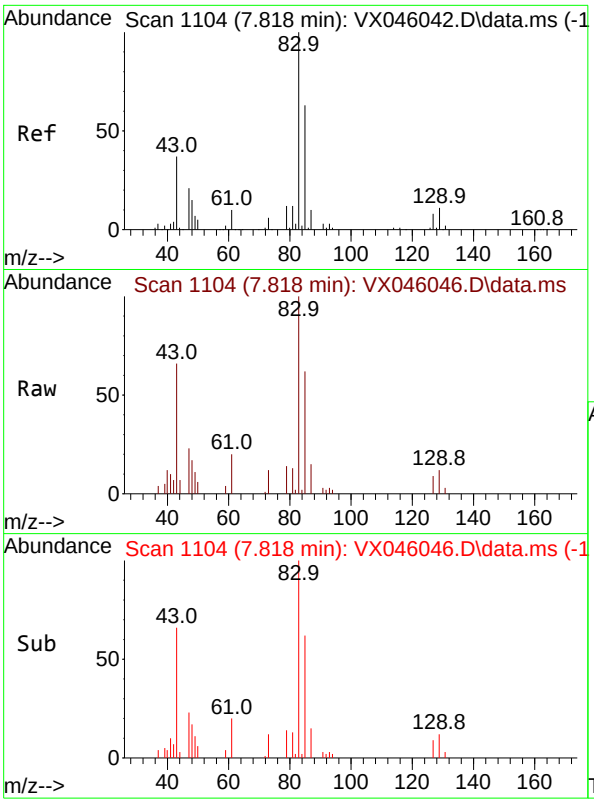


#46
Dibromomethane
Concen: 3.318 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 93 Resp: 4417

Ion	Ratio	Lower	Upper
93	100		
95	80.1	65.6	98.4
174	87.6	68.2	102.2

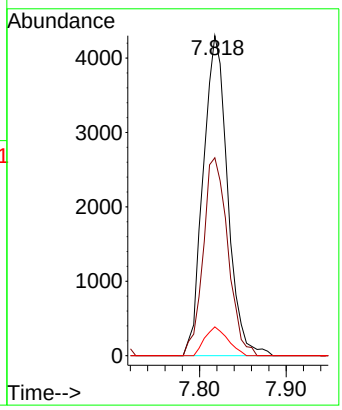




#47
Bromodichloromethane
Concen: 3.254 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 839

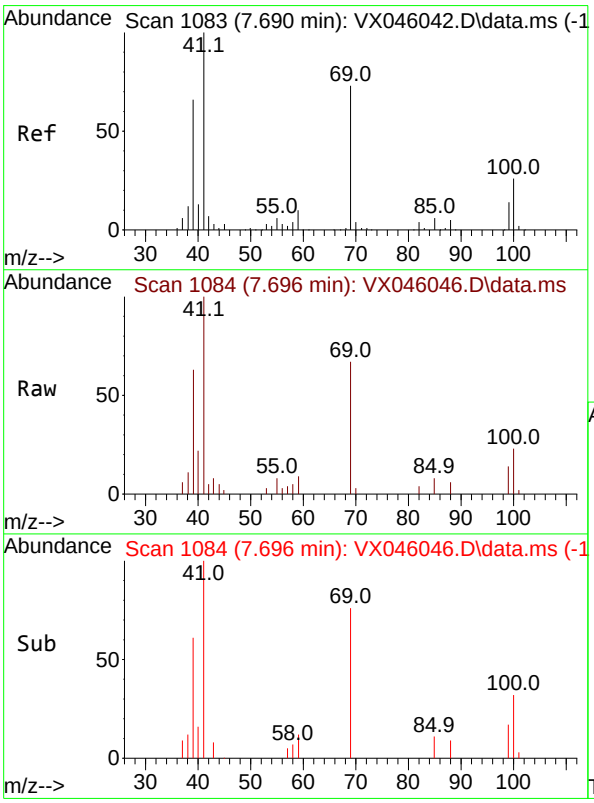
Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.5	75.7
127	9.0	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

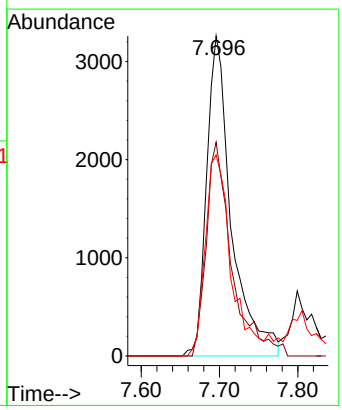
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

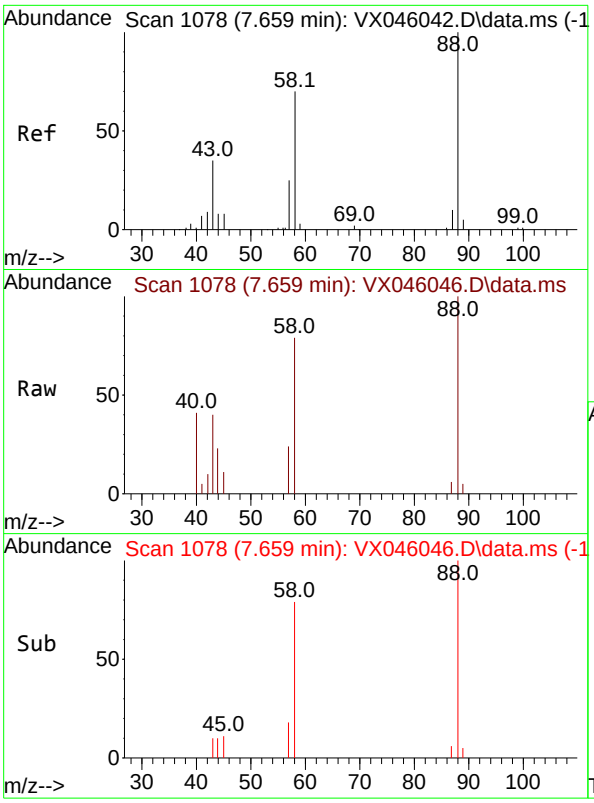


#48
Methyl methacrylate
Concen: 3.321 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 41 Resp: 7171

Ion	Ratio	Lower	Upper
41	100		
69	68.4	58.5	87.7
39	65.1	51.7	77.5

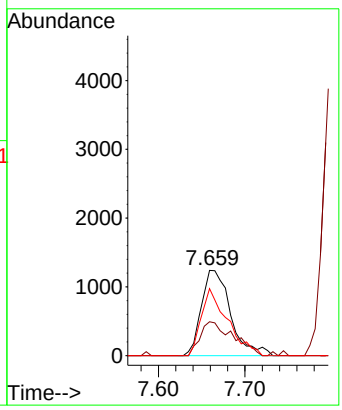




#49
1,4-Dioxane
Concen: 67.721 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 88 Resp: 290

Ion	Ratio	Lower	Upper
88	100		
43	45.3	33.4	50.2
58	71.0	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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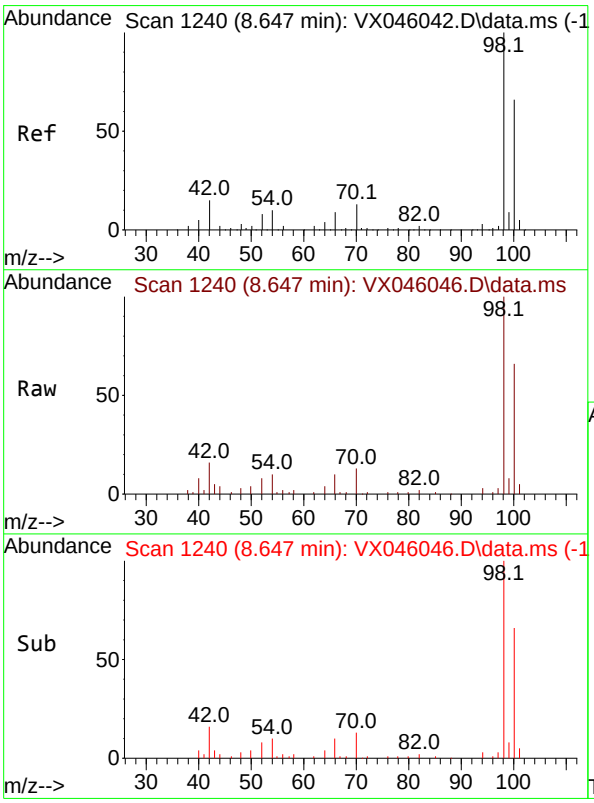
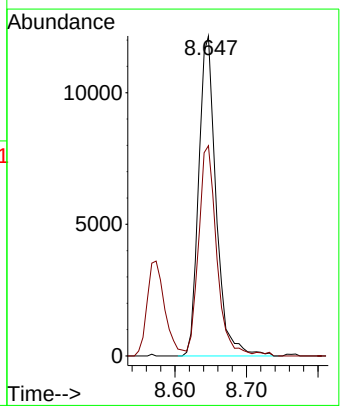
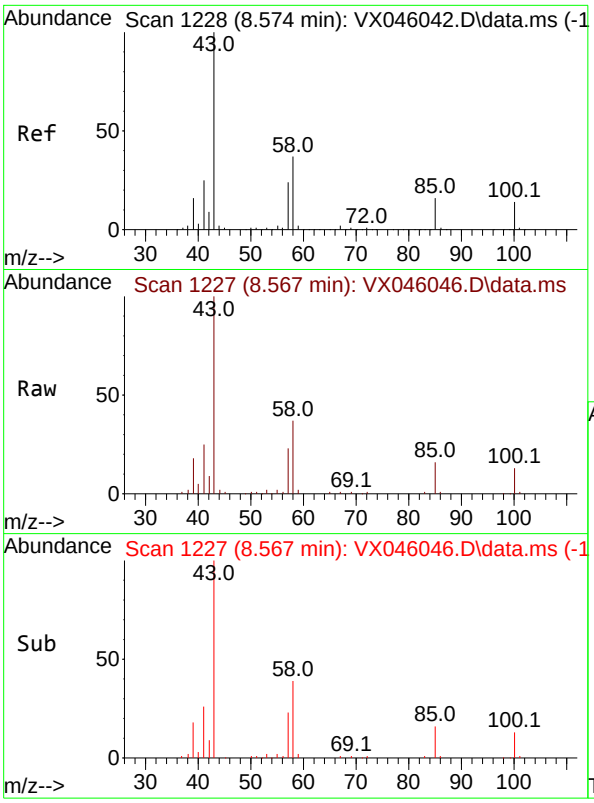


#50
Toluene-d8
Concen: 3.232 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 98 Resp: 20566

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 16.967 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 4679

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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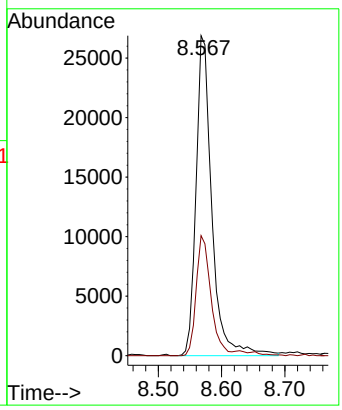
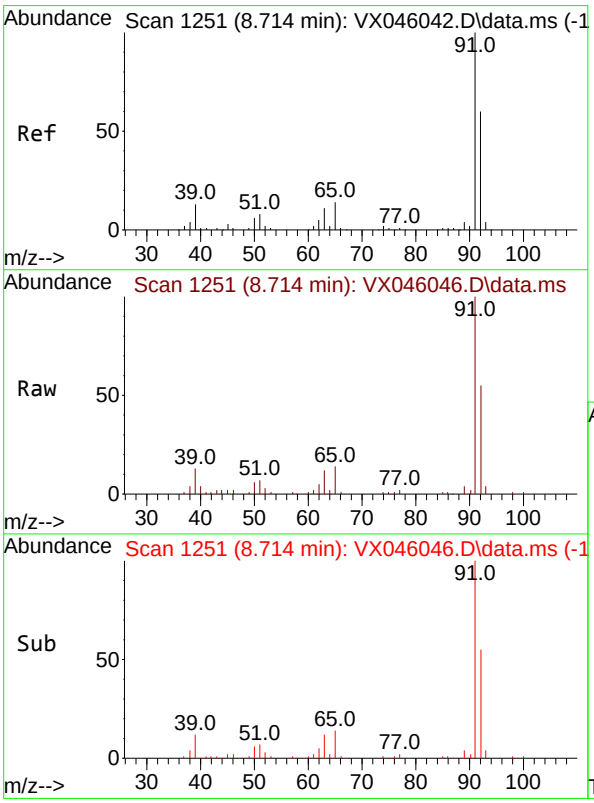
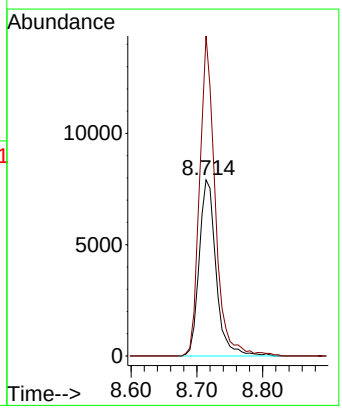


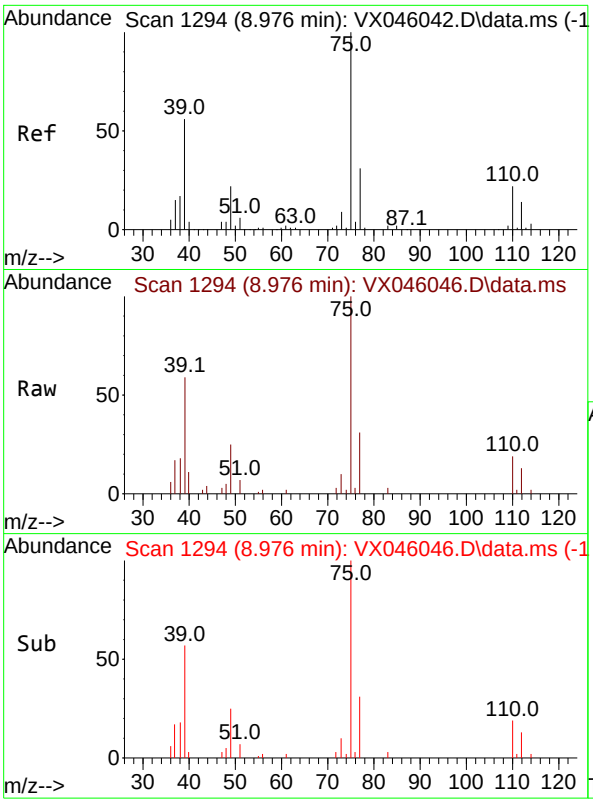


#52
Toluene
Concen: 3.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 92 Resp: 14126

Ion	Ratio	Lower	Upper
92	100		
91	167.2	136.6	205.0

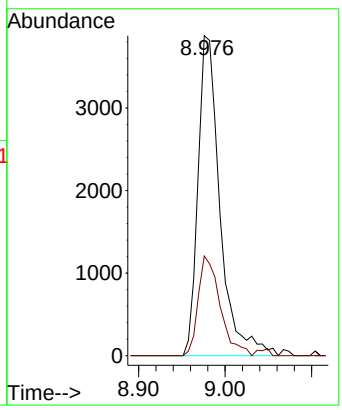




#53
t-1,3-Dichloropropene
Concen: 3.155 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 683

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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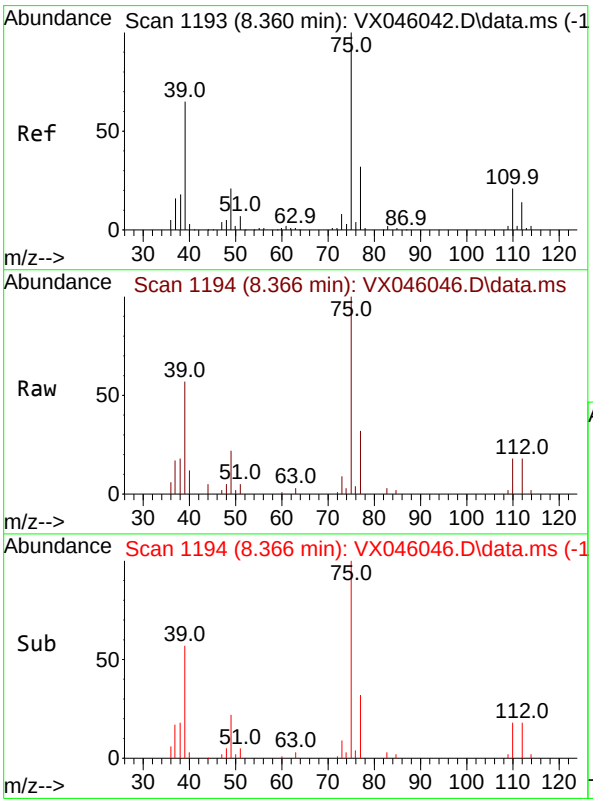
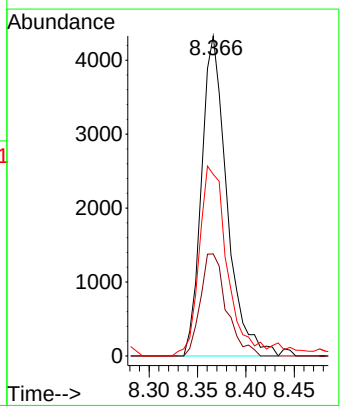
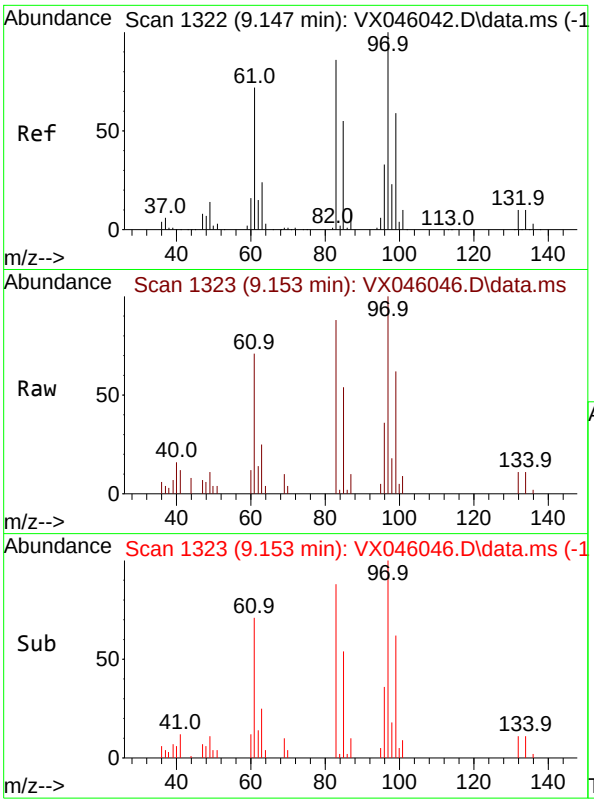


#54
cis-1,3-Dichloropropene
Concen: 3.129 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 7908

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	55.3	52.2	78.4

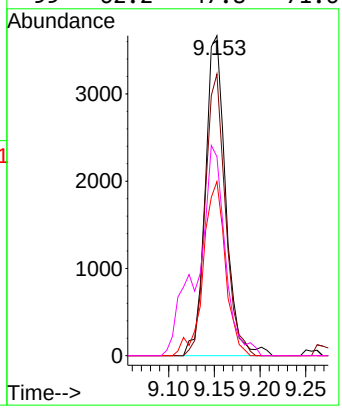




#55
1,1,2-Trichloroethane
Concen: 3.490 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 97 Resp: 568

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.0	103.6
85	54.4	44.3	66.5
99	62.2	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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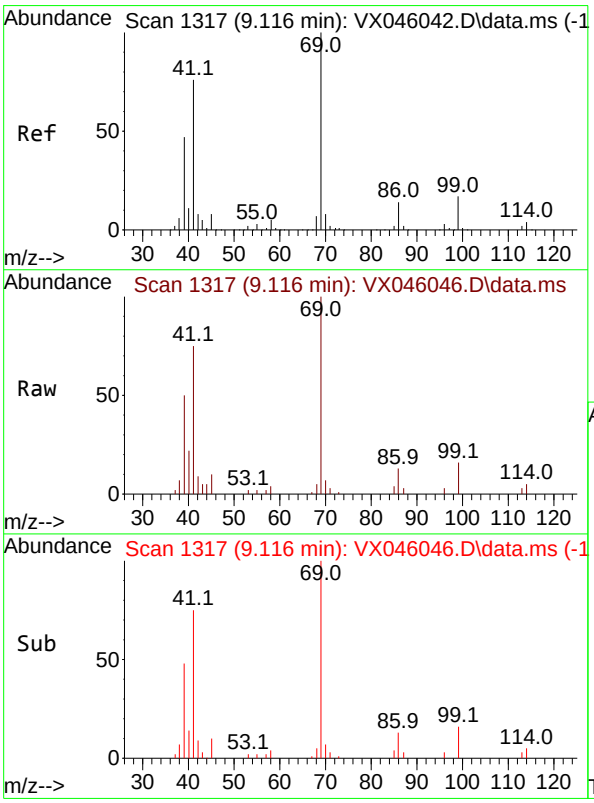
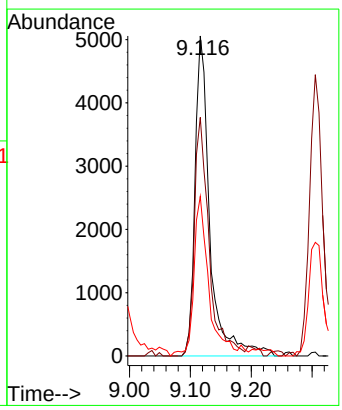
Supervised By :Mahesh Dadoda 05/06/2025

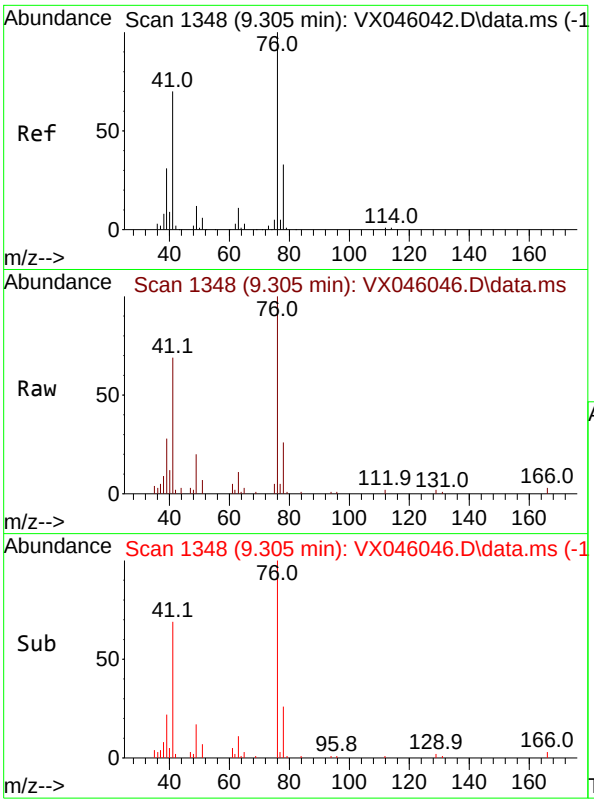


#56
Ethyl methacrylate
Concen: 3.390 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 69 Resp: 8555

Ion	Ratio	Lower	Upper
69	100		
41	73.7	60.8	91.2
39	49.3	39.0	58.6

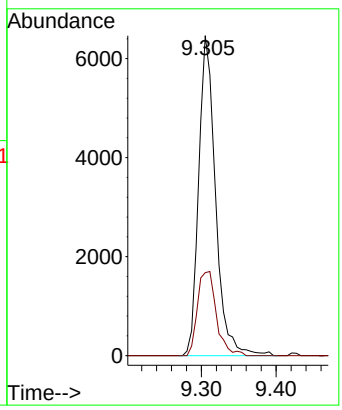




#57
1,3-Dichloropropane
Concen: 3.508 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 76 Resp: 1012

Ion	Ratio	Lower	Upper
76	100		
78	29.5	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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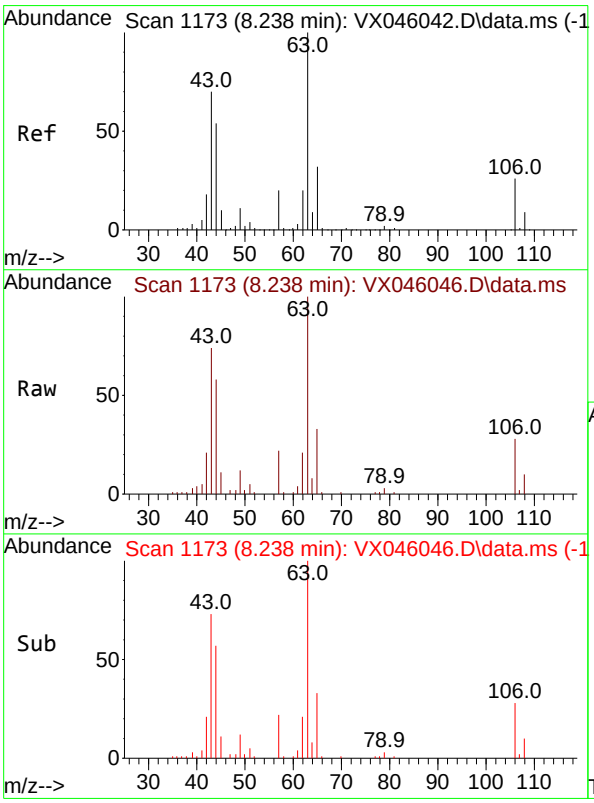
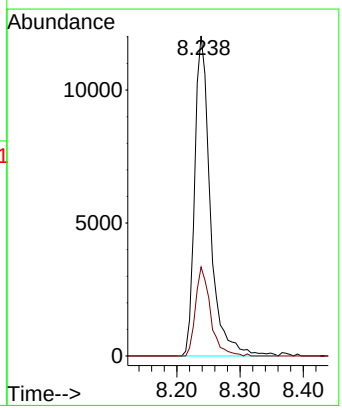
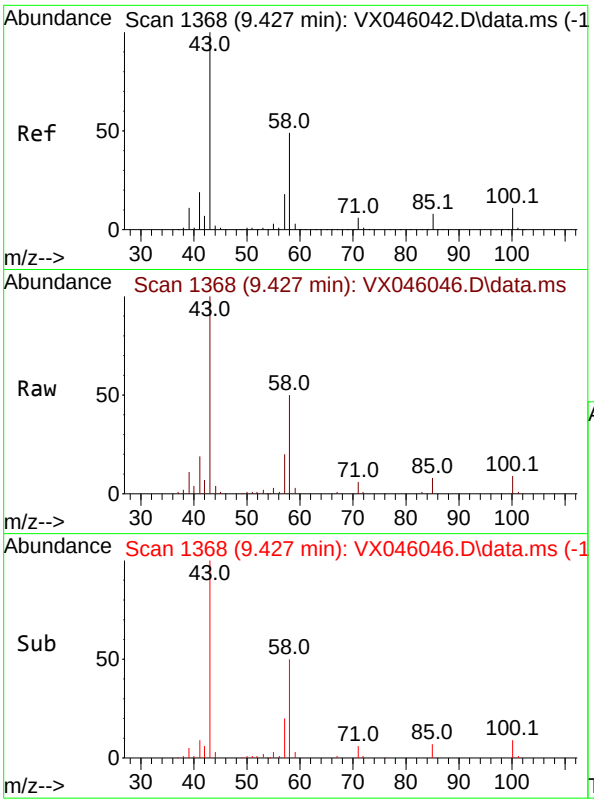


#58
2-Chloroethyl Vinyl ether
Concen: 18.346 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 63 Resp: 20809

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3





#59
2-Hexanone
Concen: 16.651 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 3485

Ion	Ratio	Lower	Upper
43	100		
58	47.5	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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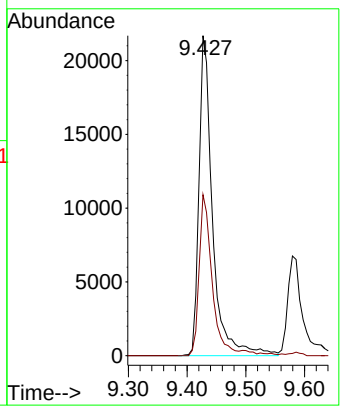
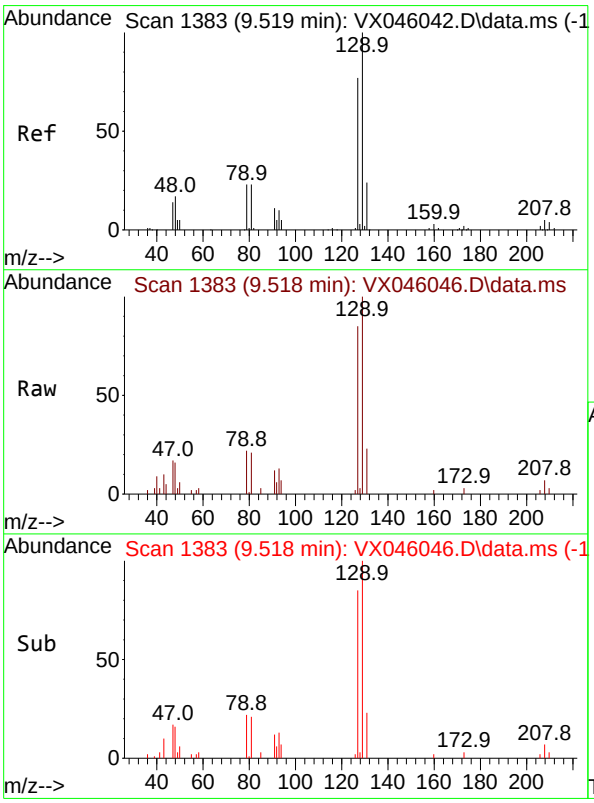
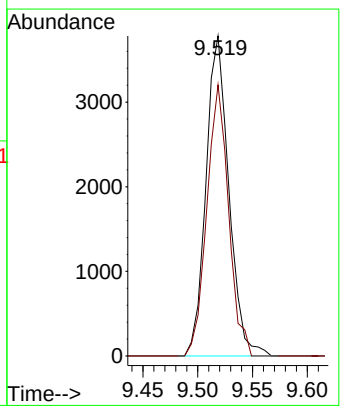


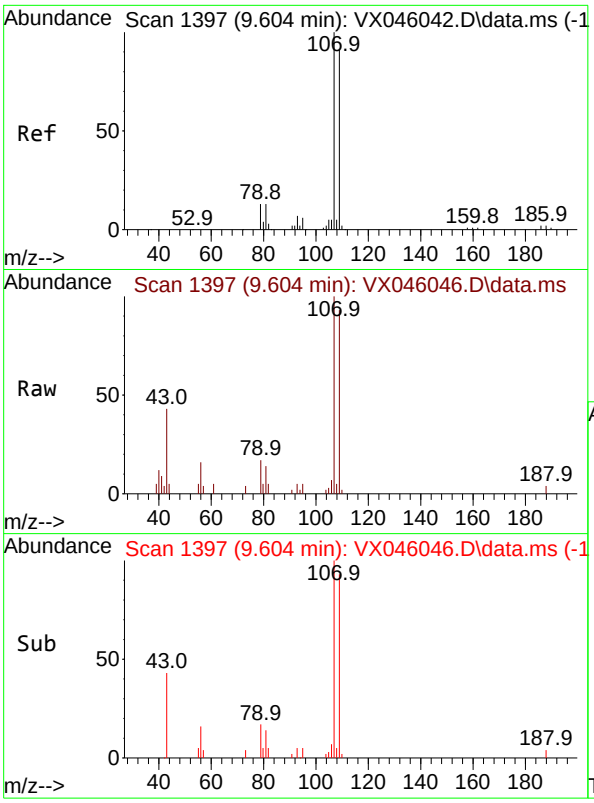


#60
Dibromochloromethane
Concen: 3.102 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:129 Resp: 5500

Ion	Ratio	Lower	Upper
129	100		
127	80.4	39.3	117.8

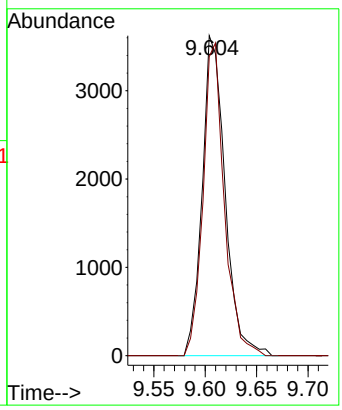




#61
1,2-Dibromoethane
Concen: 3.356 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:107 Resp: 561

Ion	Ratio	Lower	Upper
107	100		
109	91.0	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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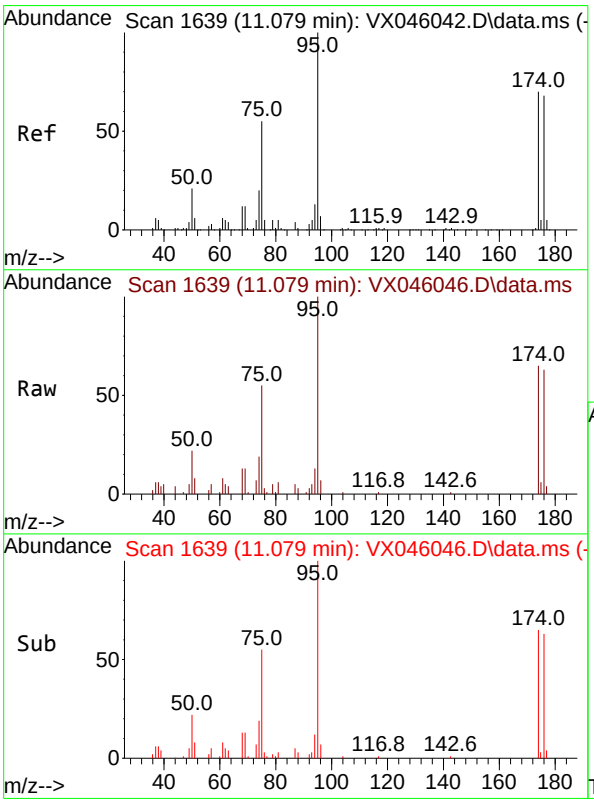
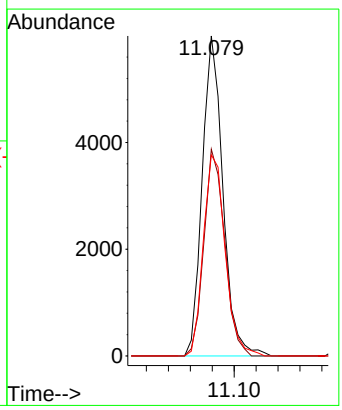
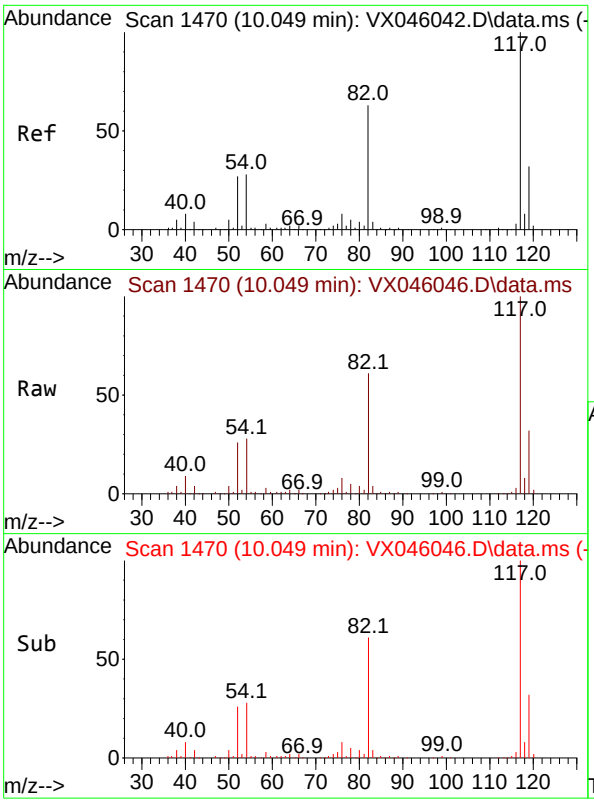


#62
4-Bromofluorobenzene
Concen: 3.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 95 Resp: 7822

Ion	Ratio	Lower	Upper
95	100		
174	65.0	0.0	135.8
176	66.6	0.0	131.4

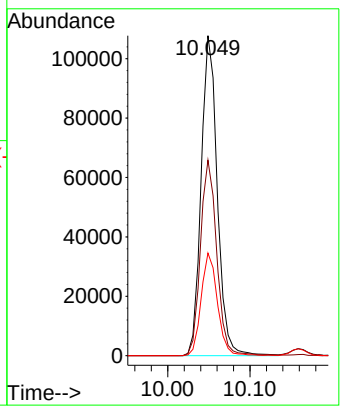




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 14716

Ion	Ratio	Lower	Upper
117	100		
82	61.1	50.6	76.0
119	32.1	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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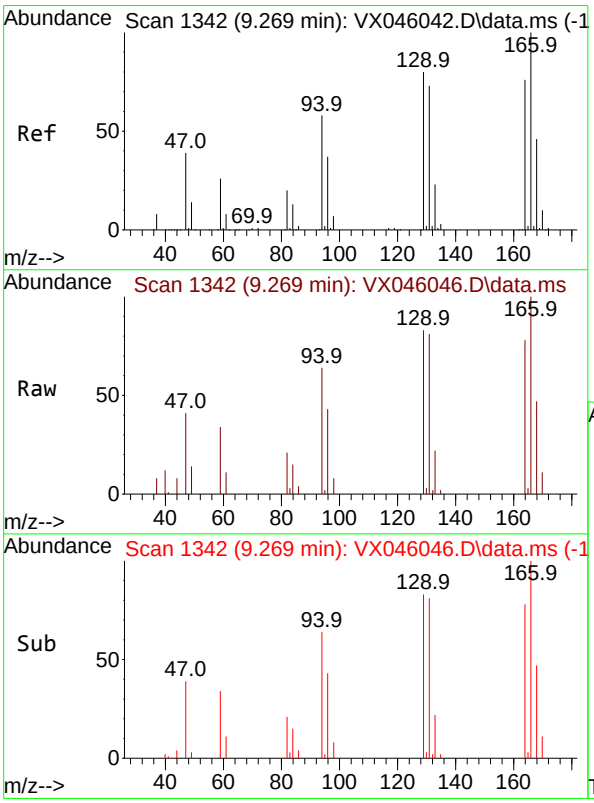
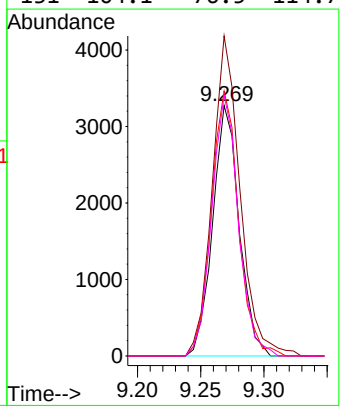
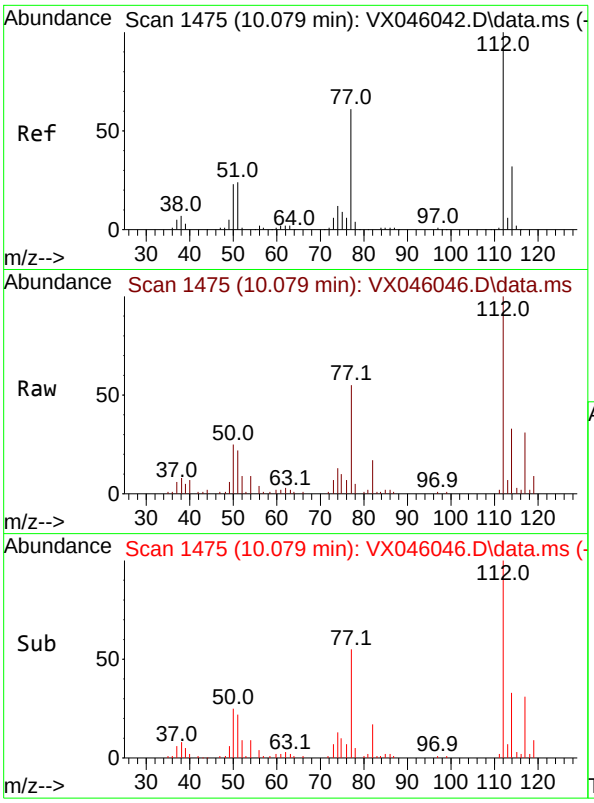


#64
Tetrachloroethene
Concen: 3.162 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:164 Resp: 4752

Ion	Ratio	Lower	Upper
164	100		
166	127.8	105.0	157.6
129	105.8	83.5	125.3
131	104.1	76.5	114.7

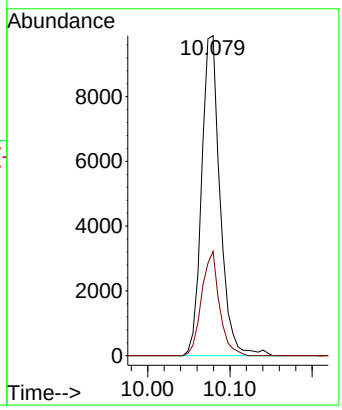




#65
Chlorobenzene
Concen: 3.399 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:112 Resp: 1539

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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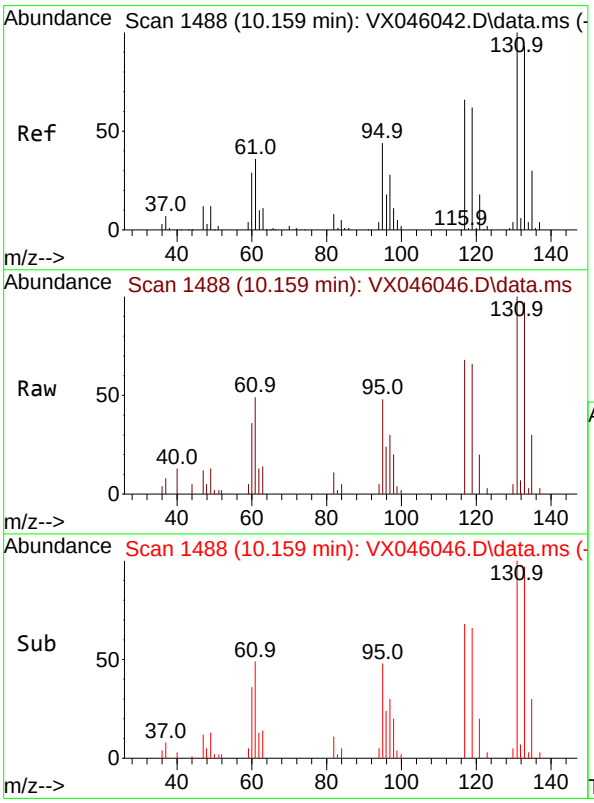
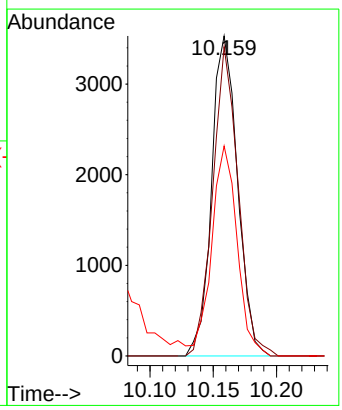
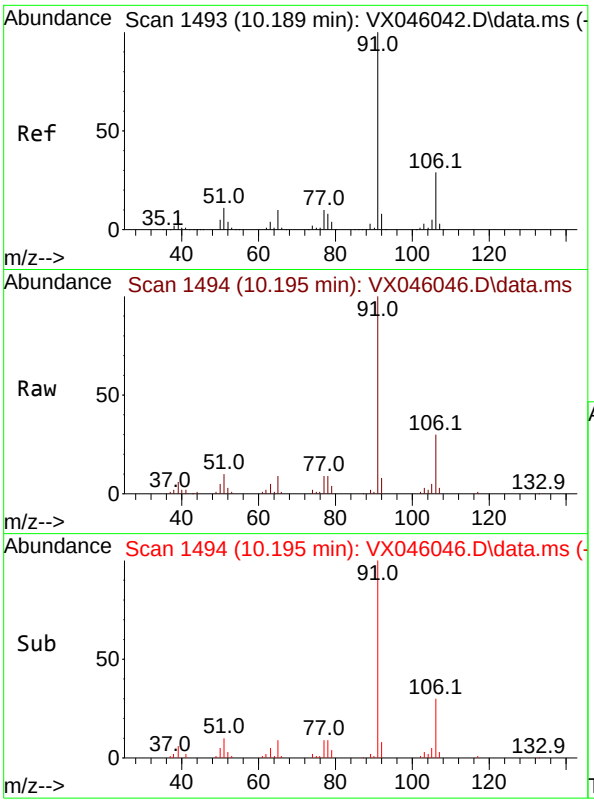


#66
1,1,1,2-Tetrachloroethane
Concen: 3.326 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:131 Resp: 5024

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	141.9
119	64.8	31.6	95.0

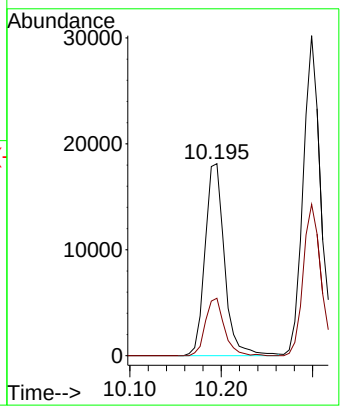




#67
Ethyl Benzene
Concen: 3.463 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 2673

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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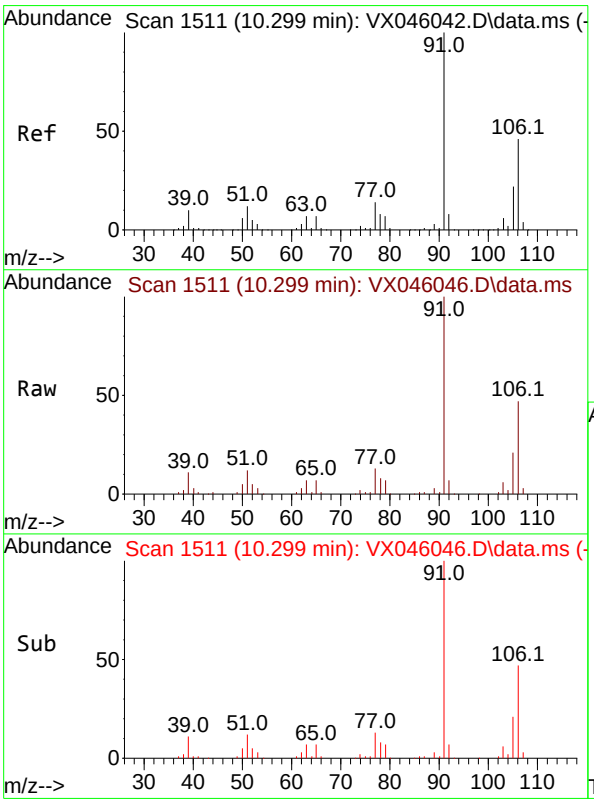
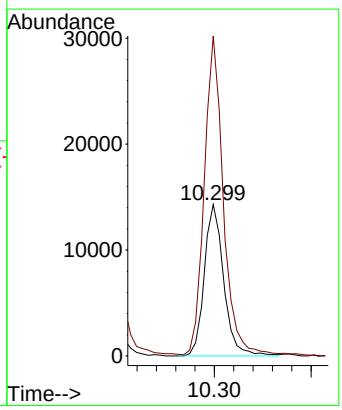
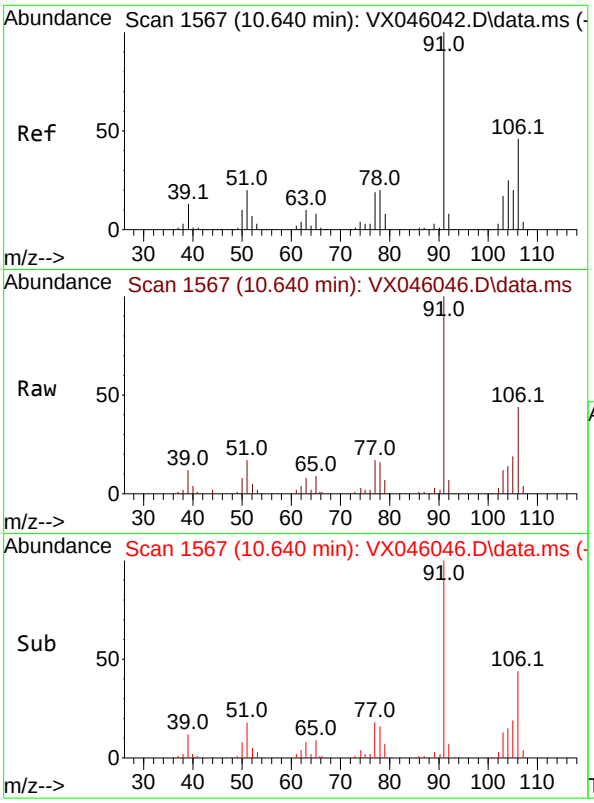


#68
m/p-Xylenes
Concen: 7.156 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:106 Resp: 19957

Ion	Ratio	Lower	Upper
106	100		
91	210.1	171.2	256.8

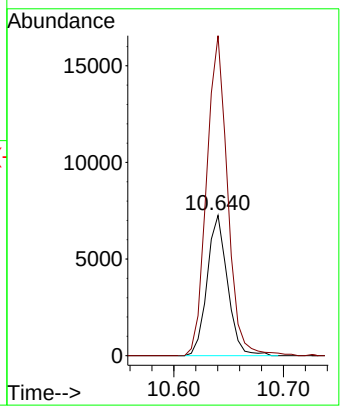




#69
o-Xylene
Concen: 3.343 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:106 Resp: 939

Ion	Ratio	Lower	Upper
106	100		
91	233.6	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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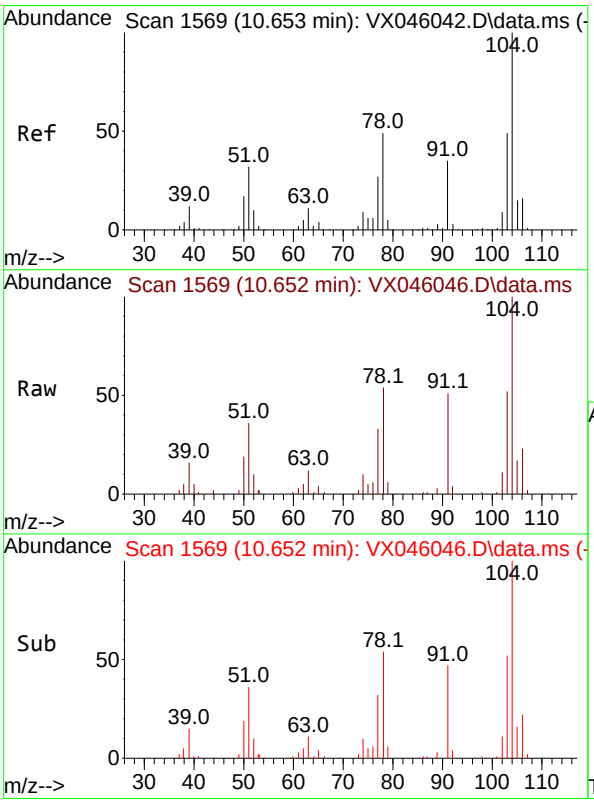
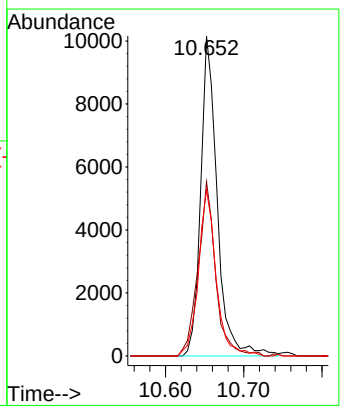
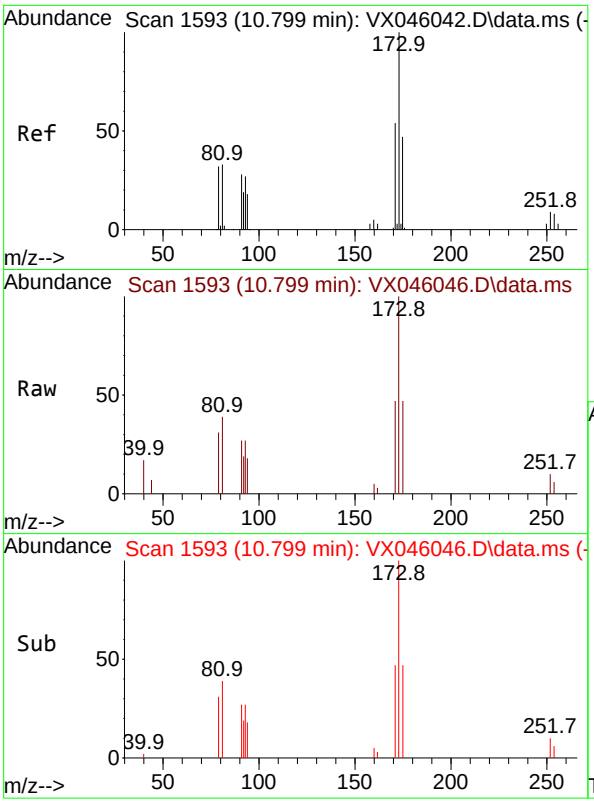


#70
Styrene
Concen: 3.312 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:104 Resp: 14900

Ion	Ratio	Lower	Upper
104	100		
78	57.9	45.7	68.5
103	55.6	43.7	65.5

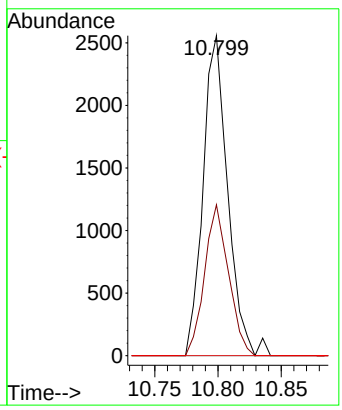




#71
Bromoform
Concen: 3.059 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:173 Resp: 347

Ion	Ratio	Lower	Upper
173	100		
175	45.8	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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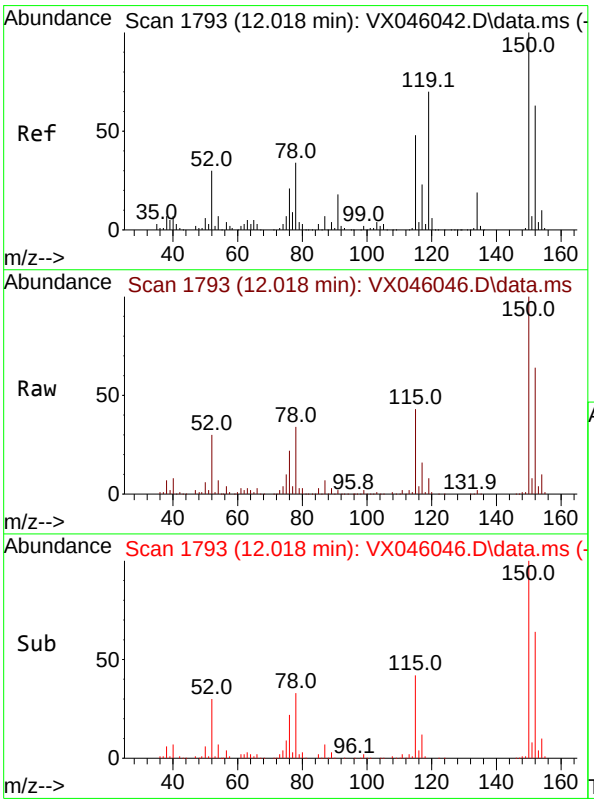
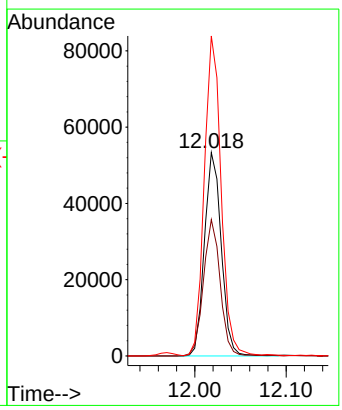
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

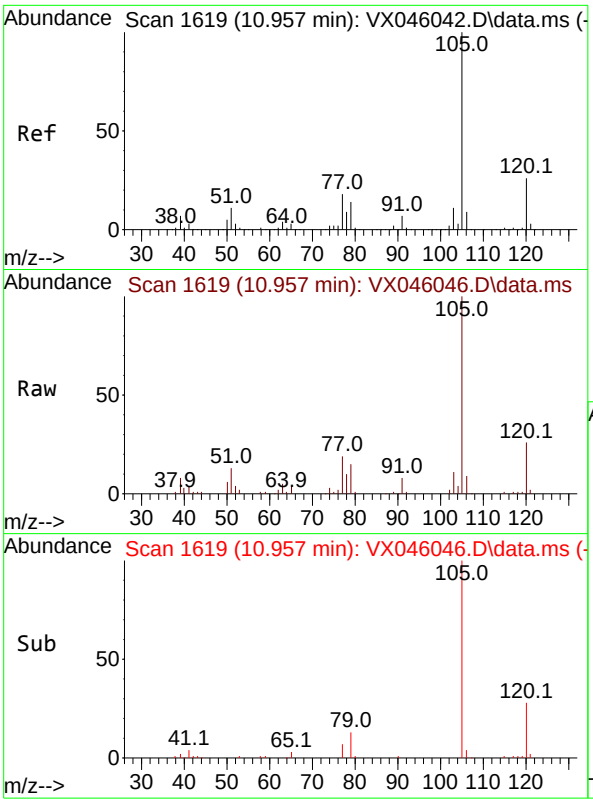


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:152 Resp: 67939

Ion	Ratio	Lower	Upper
152	100		
115	66.8	46.9	140.7
150	157.5	0.0	351.0





#73
Isopropylbenzene
Concen: 3.266 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 2420

Ion	Ratio	Lower	Upper
105	100		
120	26.4	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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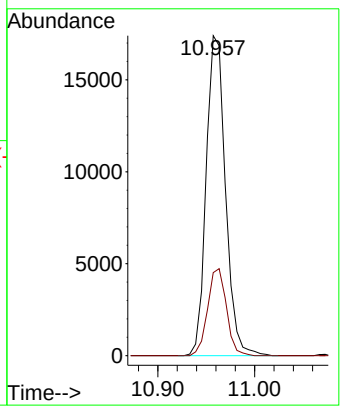
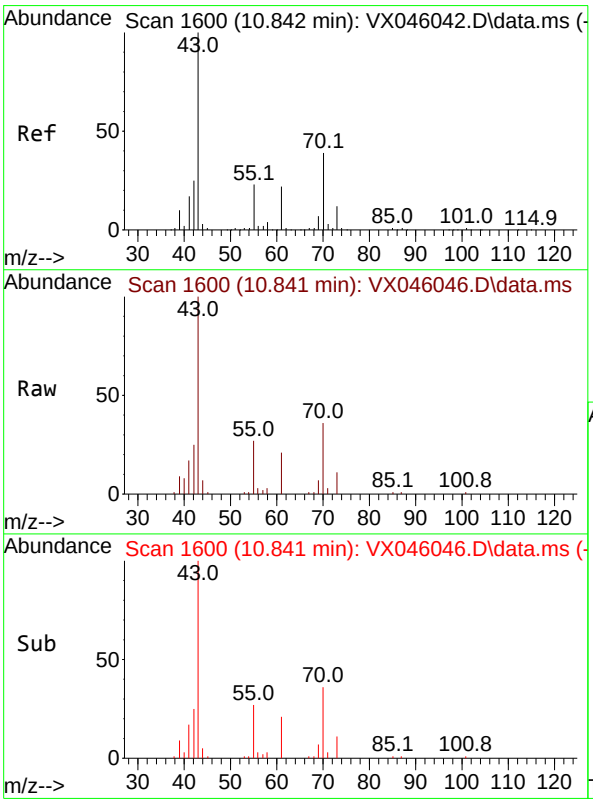
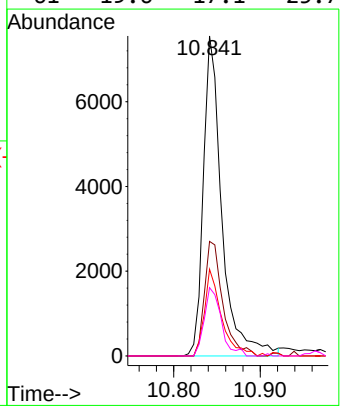


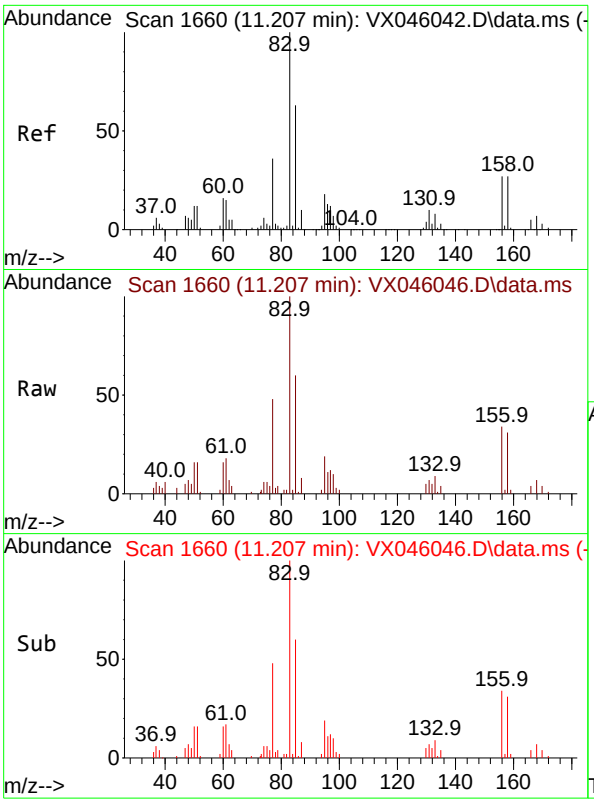


#74
N-amyl acetate
Concen: 3.038 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 11224

Ion	Ratio	Lower	Upper
43	100		
70	35.4	30.9	46.3
55	25.0	18.7	28.1
61	19.6	17.1	25.7

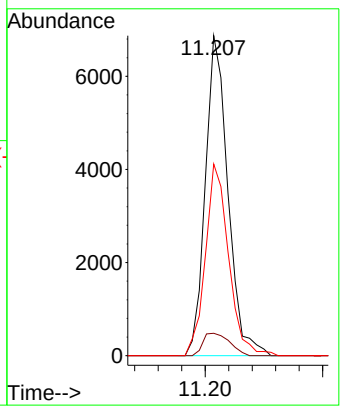




#75
1,1,2,2-Tetrachloroethane
Concen: 3.479 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 917

Ion	Ratio	Lower	Upper
83	100		
131	8.3	5.0	14.9
85	61.7	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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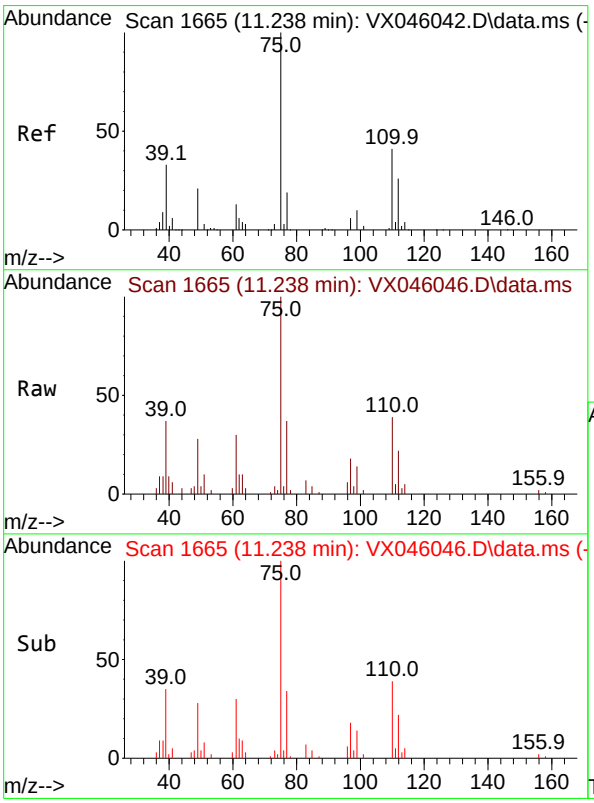
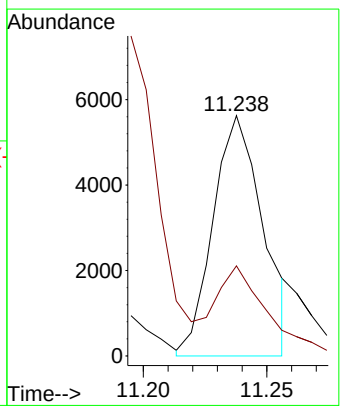
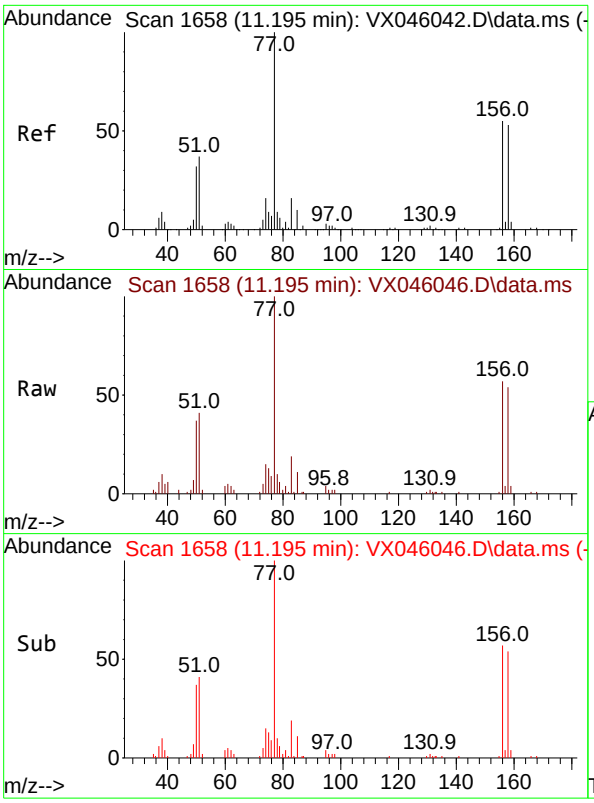


#76
1,2,3-Trichloropropane
Concen: 2.799 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 7928

Ion	Ratio	Lower	Upper
75	100		
77	40.6	20.5	61.5

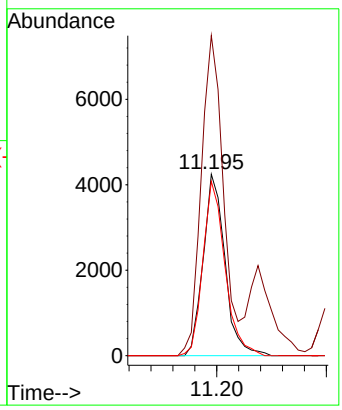




#77
Bromobenzene
Concen: 3.417 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:156 Resp: 585

Ion	Ratio	Lower	Upper
156	100		
77	177.0	92.8	278.3
158	97.7	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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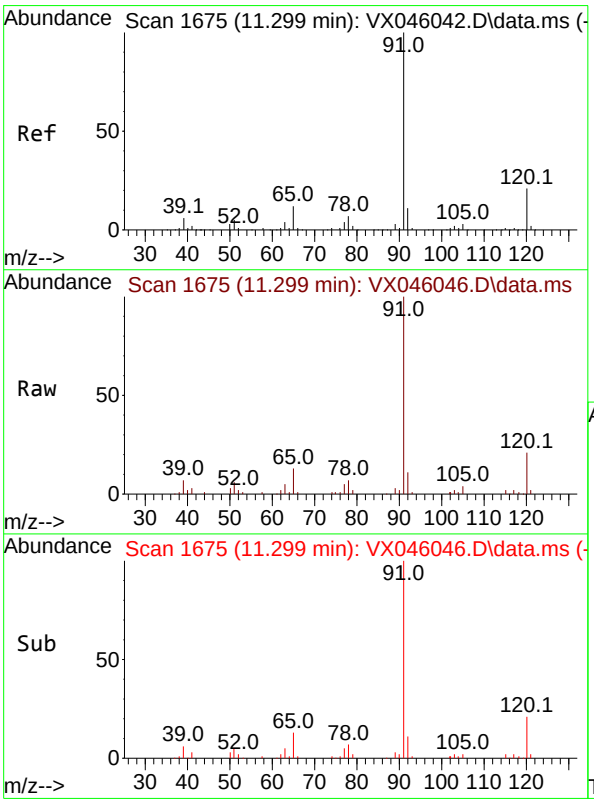
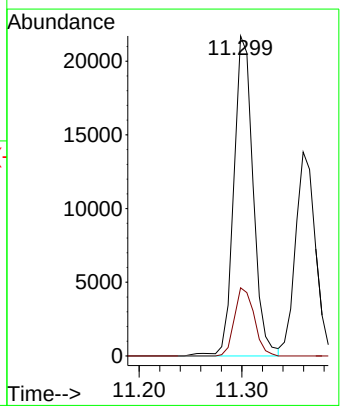
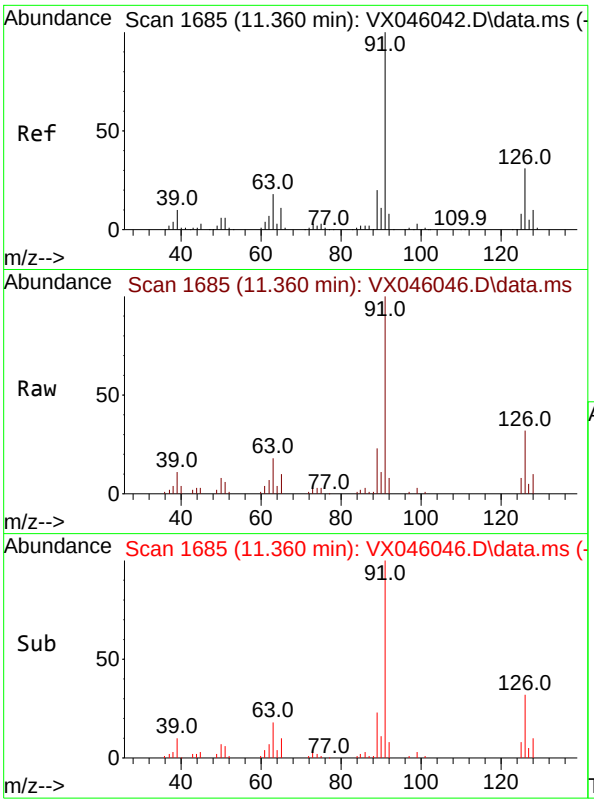


#78
n-propylbenzene
Concen: 3.424 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 28436

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4





#79
2-Chlorotoluene
Concen: 3.336 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 1867

Ion	Ratio	Lower	Upper
91	100		
126	29.7	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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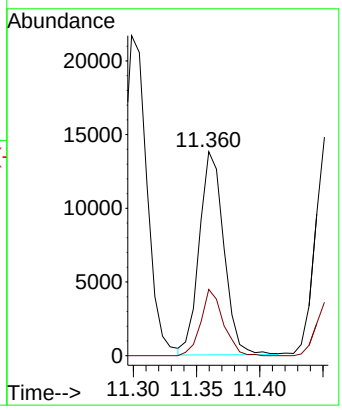
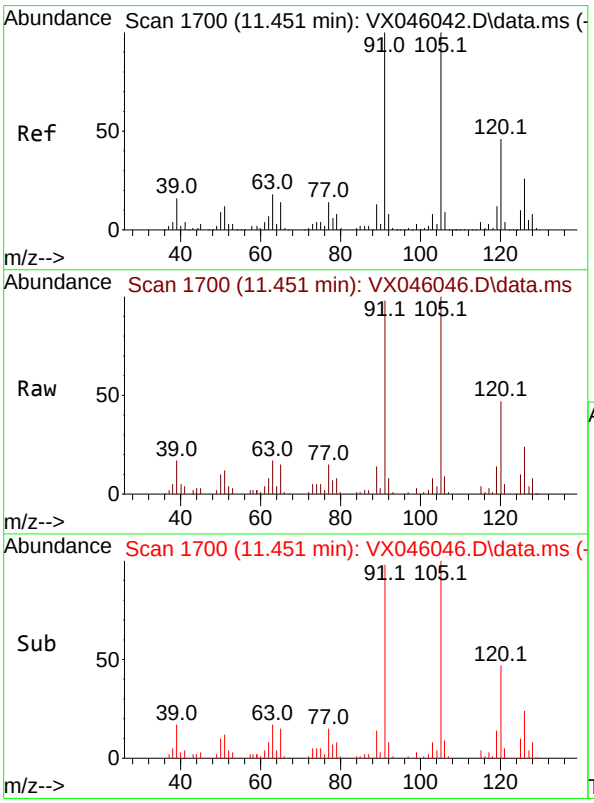
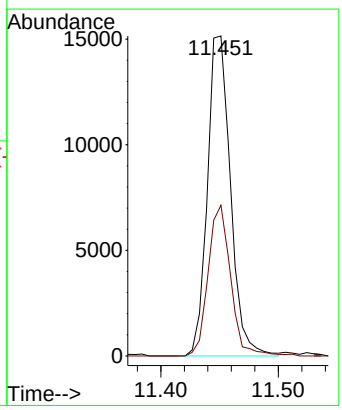


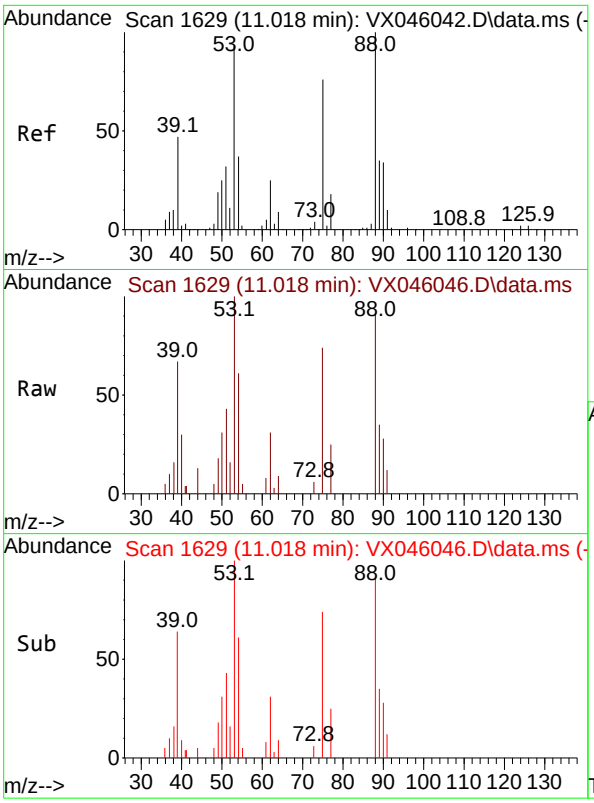


#80
1,3,5-Trimethylbenzene
Concen: 3.372 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 20742

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2

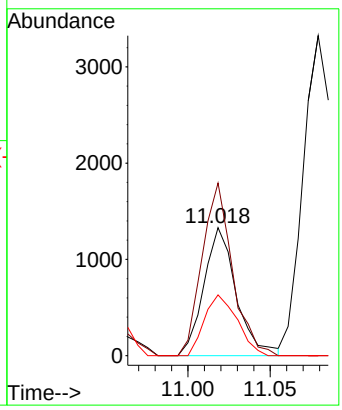




#81
trans-1,4-Dichloro-2-butene
Concen: 2.686 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 182

Ion	Ratio	Lower	Upper
75	100		
53	125.8	100.5	150.7
89	47.9	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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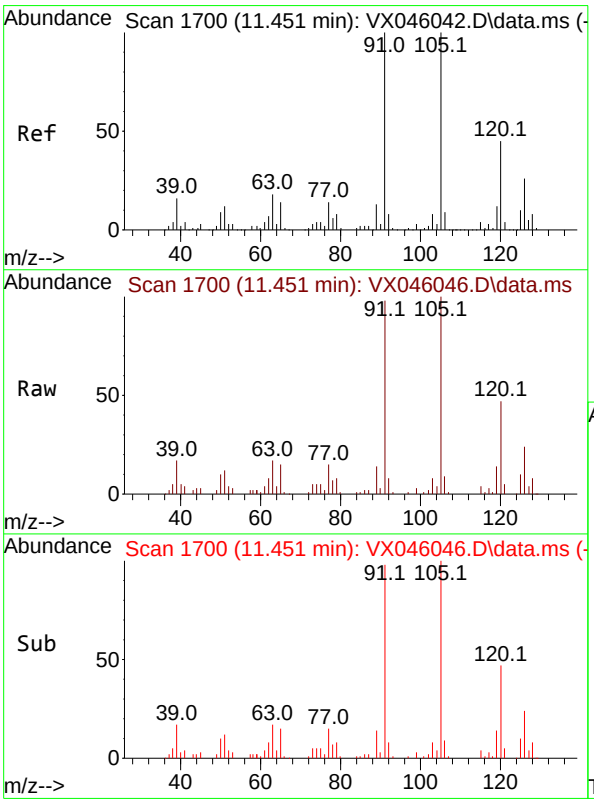
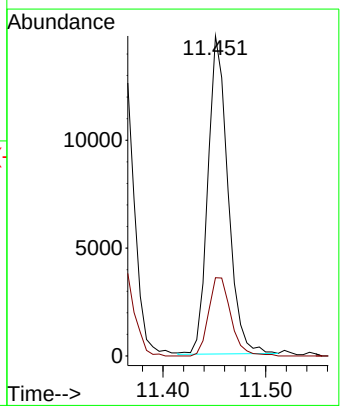
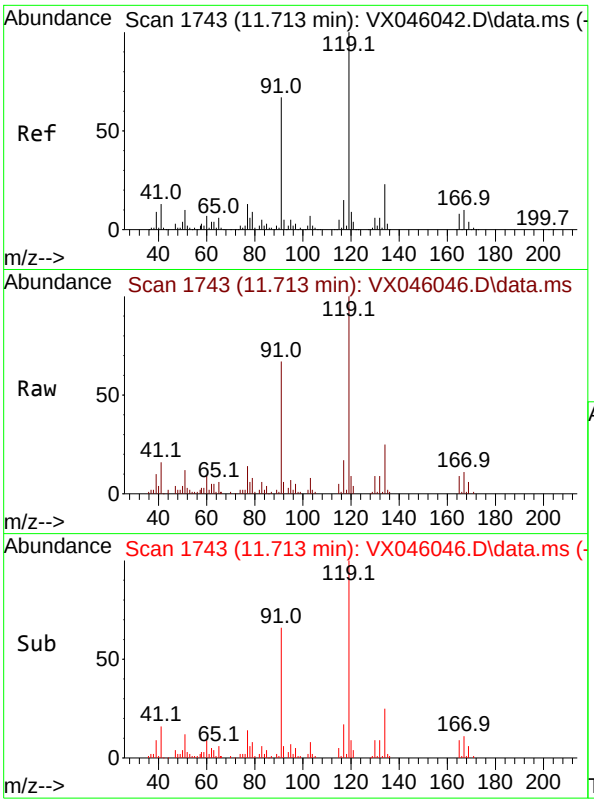


#82
4-Chlorotoluene
Concen: 3.245 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 19966

Ion	Ratio	Lower	Upper
91	100		
126	27.3	13.3	39.8

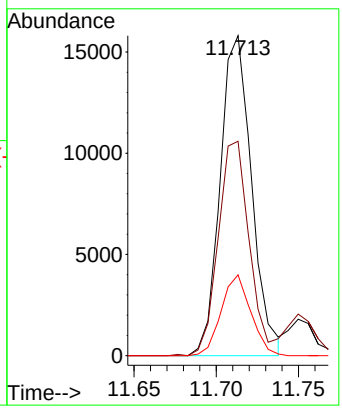




#83
tert-Butylbenzene
Concen: 3.484 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:119 Resp: 2104

Ion	Ratio	Lower	Upper
119	100		
91	67.0	32.9	98.7
134	23.8	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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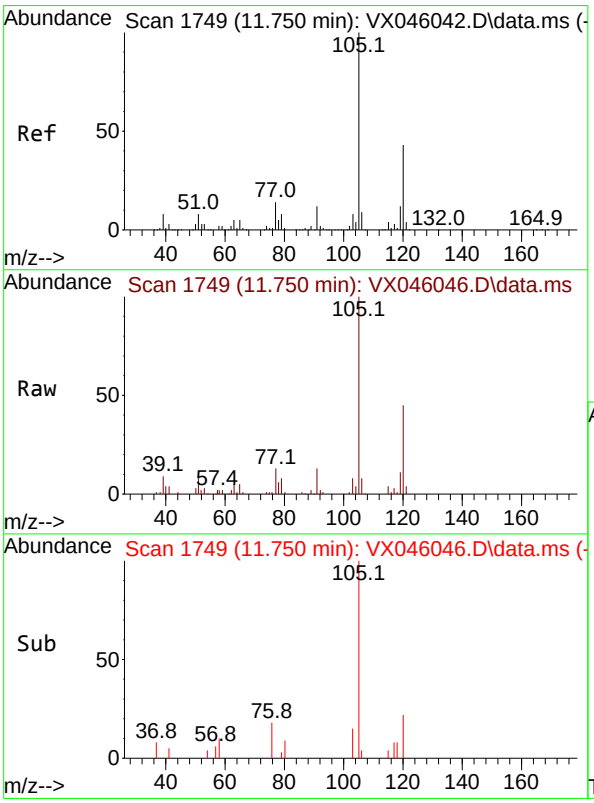
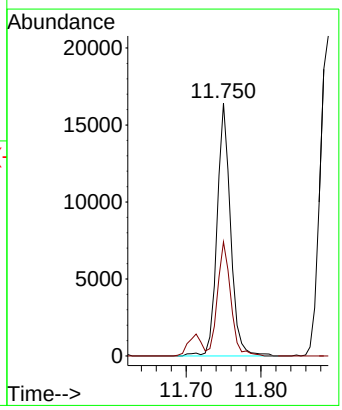
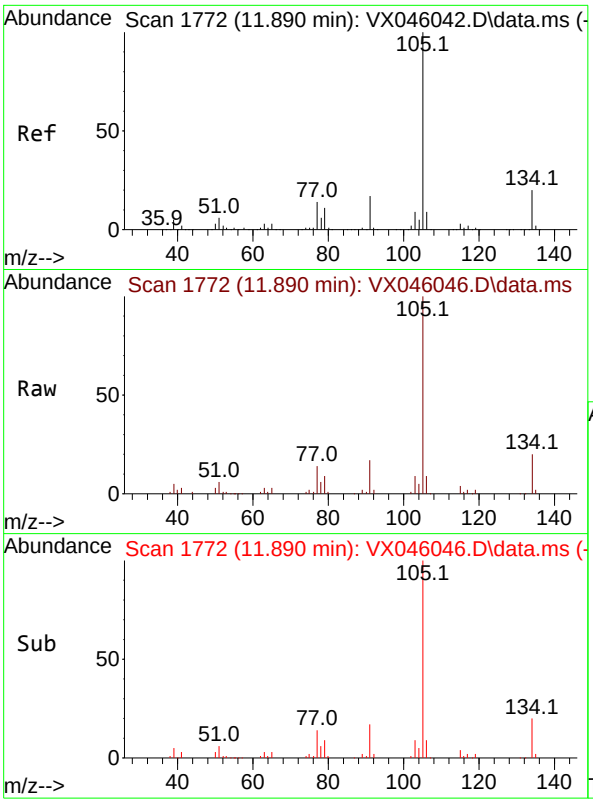


#84
1,2,4-Trimethylbenzene
Concen: 3.355 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 20613

Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.2	63.6





#85
sec-Butylbenzene
Concen: 3.412 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 2559

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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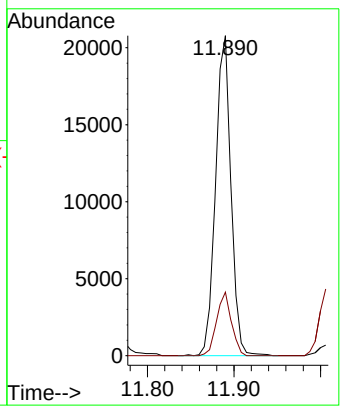
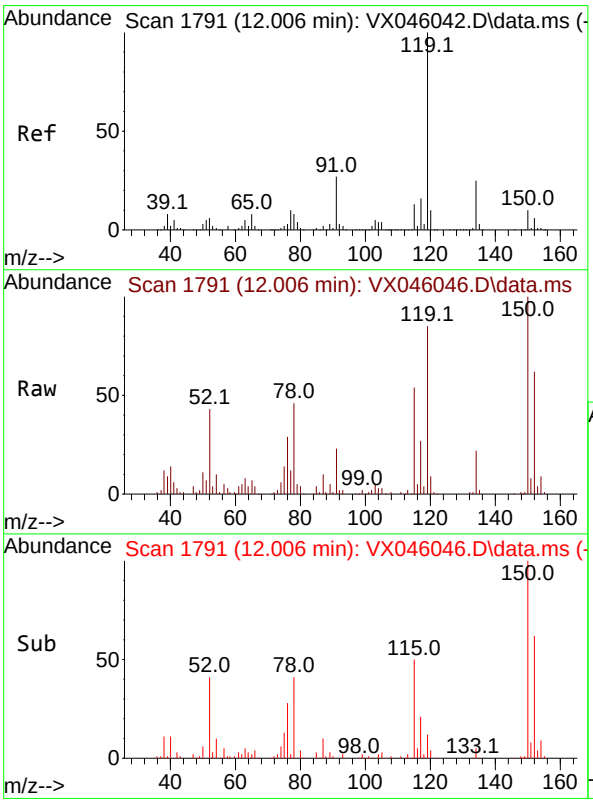
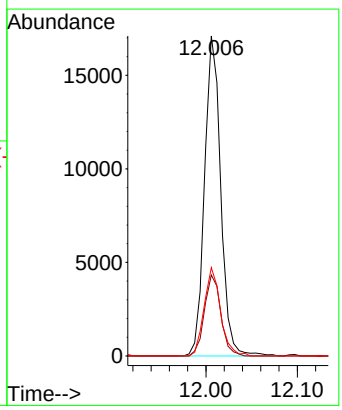


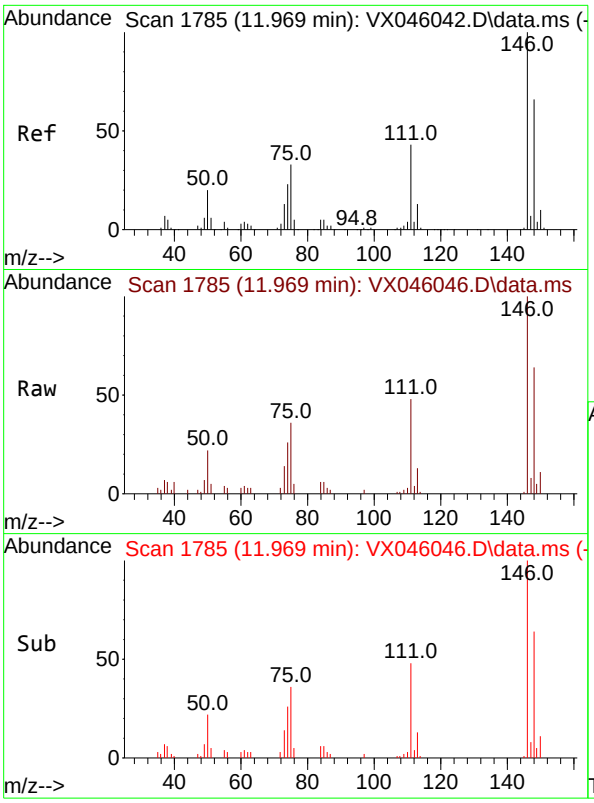


#86
p-Isopropyltoluene
Concen: 3.460 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:119 Resp: 20955

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.5	37.5
91	28.0	13.8	41.4

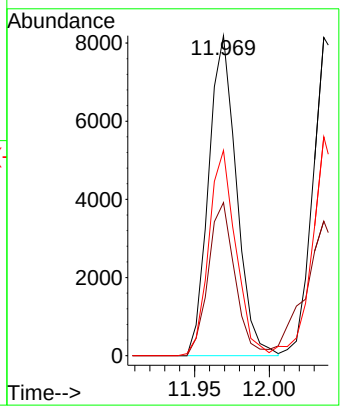




#87
1,3-Dichlorobenzene
Concen: 3.315 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:146 Resp: 1058

Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.1	66.3
148	62.4	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
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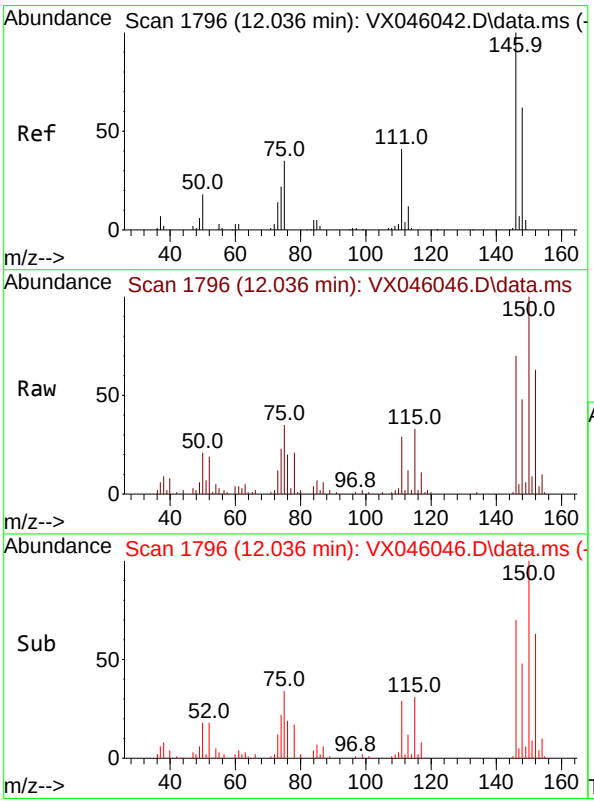
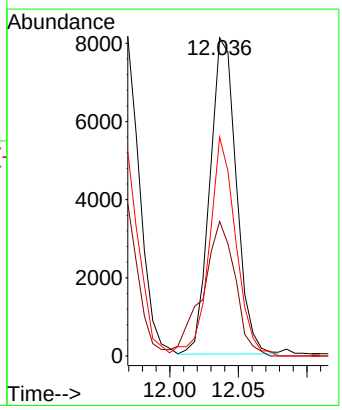
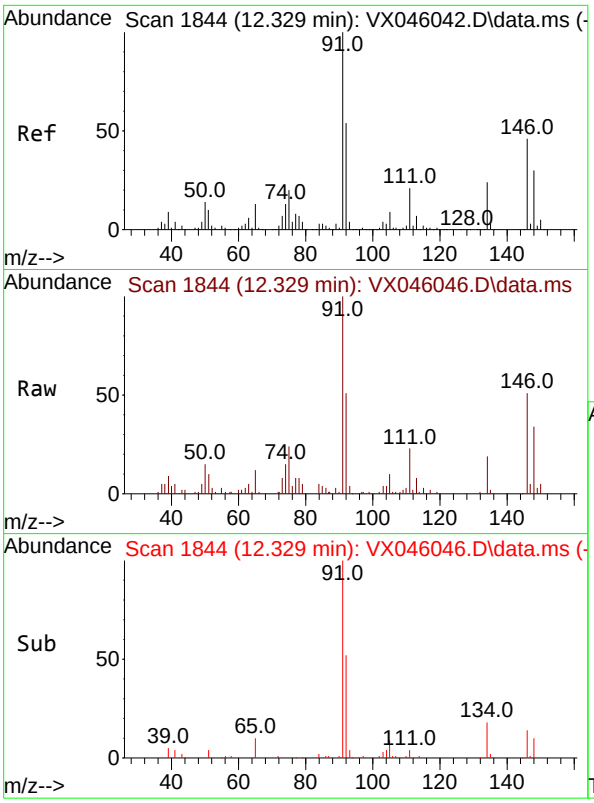


#88
1,4-Dichlorobenzene
Concen: 3.486 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:146 Resp: 10908

Ion	Ratio	Lower	Upper
146	100		
111	52.1	21.3	63.9
148	69.4	31.9	95.5

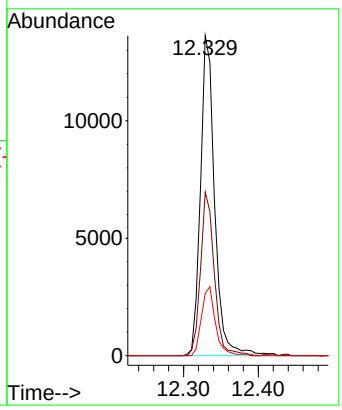




#89
n-Butylbenzene
Concen: 3.419 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 1800

Ion	Ratio	Lower	Upper
91	100		
92	49.5	26.9	80.7
134	21.2	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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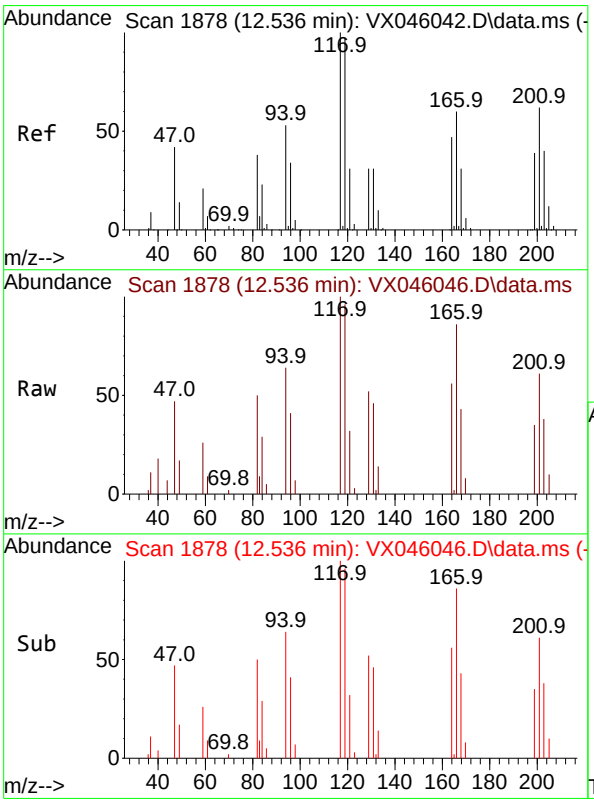
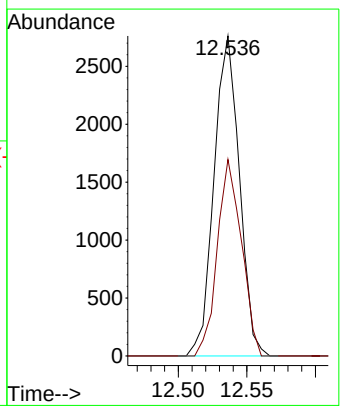
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

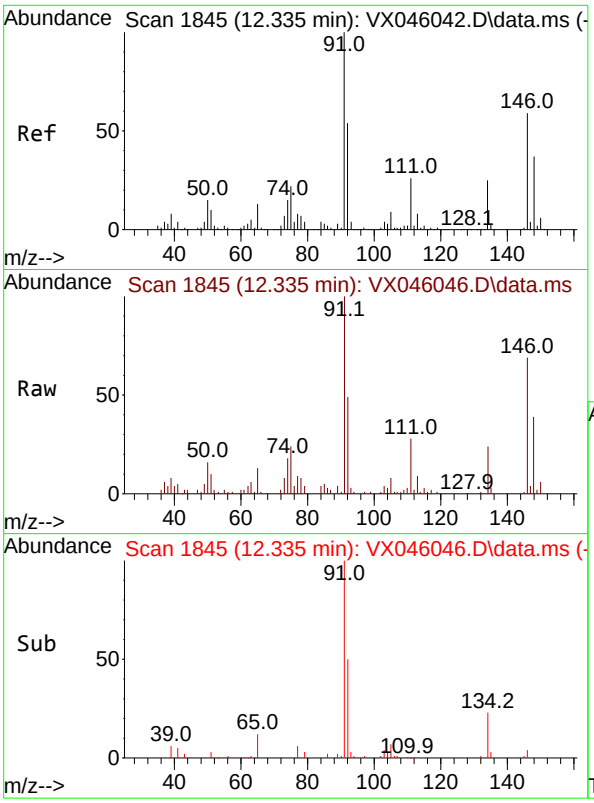


#90
Hexachloroethane
Concen: 3.153 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 3553

Ion	Ratio	Lower	Upper
117	100		
201	58.5	31.6	94.7

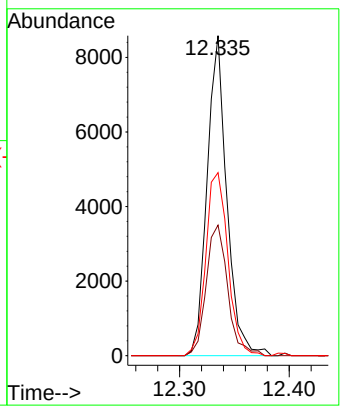




#91
1,2-Dichlorobenzene
Concen: 3.444 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:146 Resp: 1071

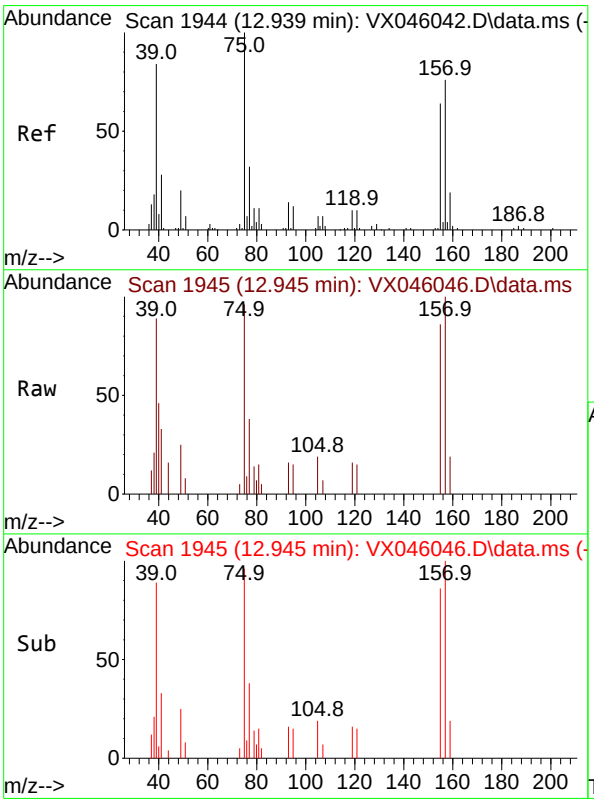
Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.3
148	64.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

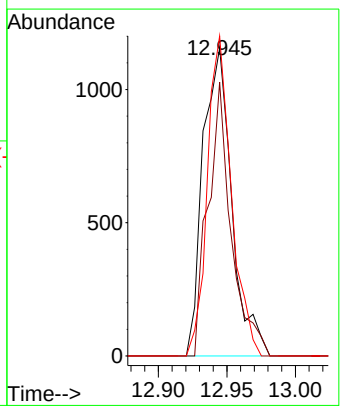
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

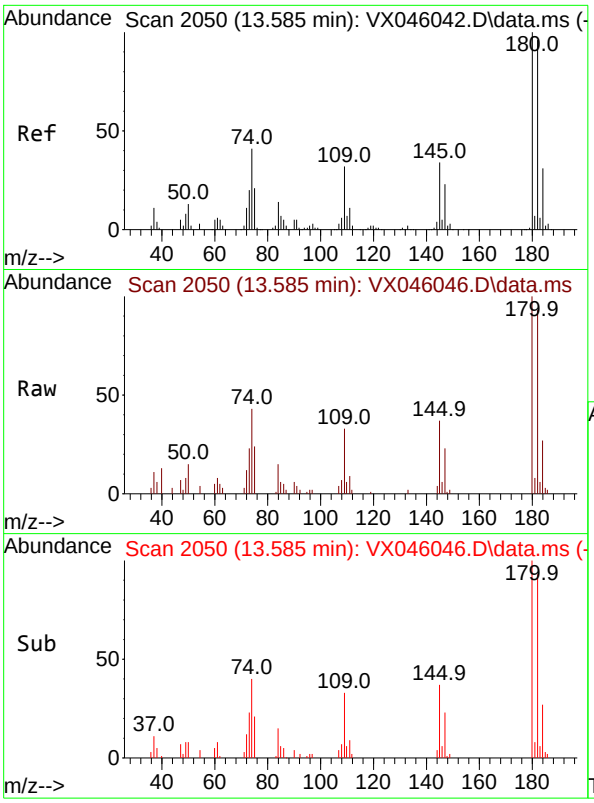


#92
1,2-Dibromo-3-Chloropropane
Concen: 2.812 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 1687

Ion	Ratio	Lower	Upper
75	100		
155	71.7	34.9	104.8
157	87.0	43.8	131.4

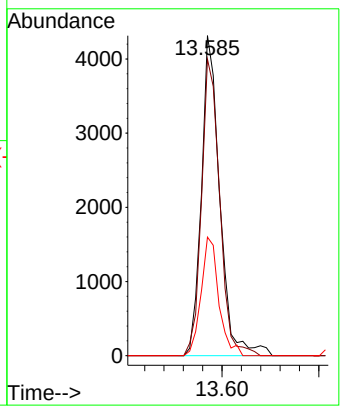




#93
1,2,4-Trichlorobenzene
Concen: 3.359 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:180 Resp: 572

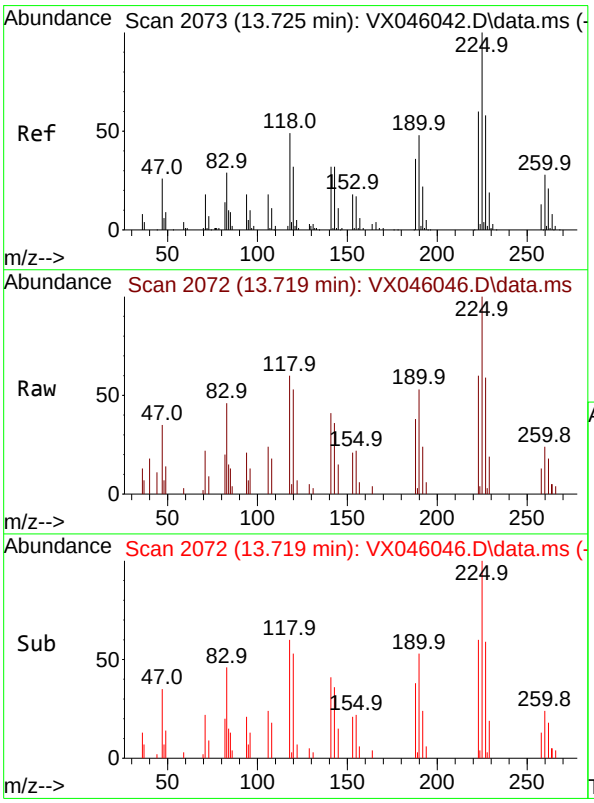
Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.9	143.8
145	35.7	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

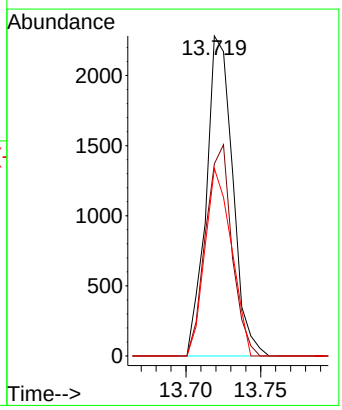
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

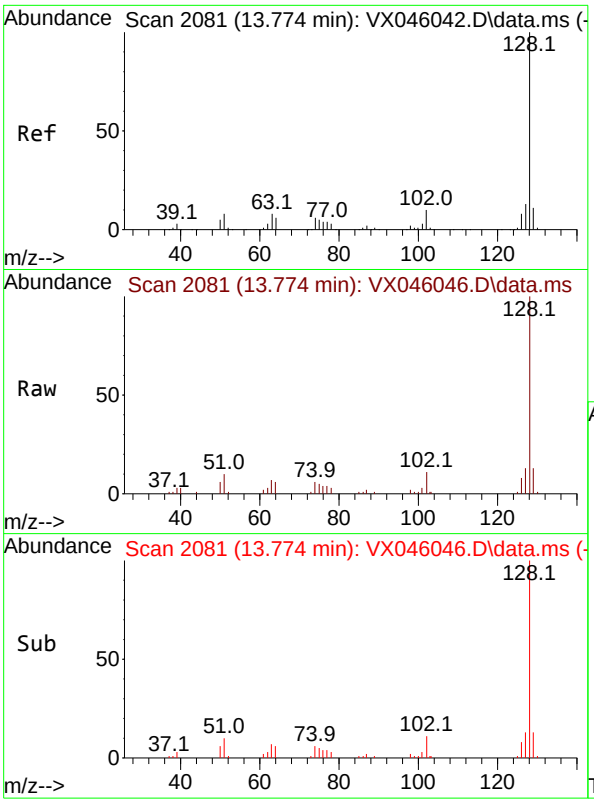


#94
Hexachlorobutadiene
Concen: 3.535 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:225 Resp: 2816

Ion	Ratio	Lower	Upper
225	100		
223	65.1	30.8	92.4
227	58.8	30.9	92.7

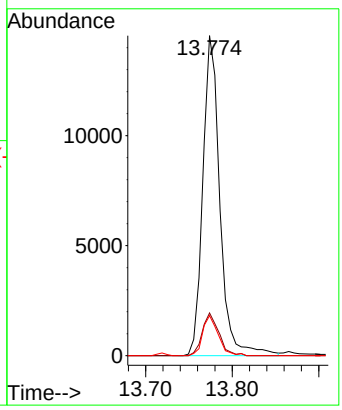




#95
Naphthalene
Concen: 3.209 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:128 Resp: 1990

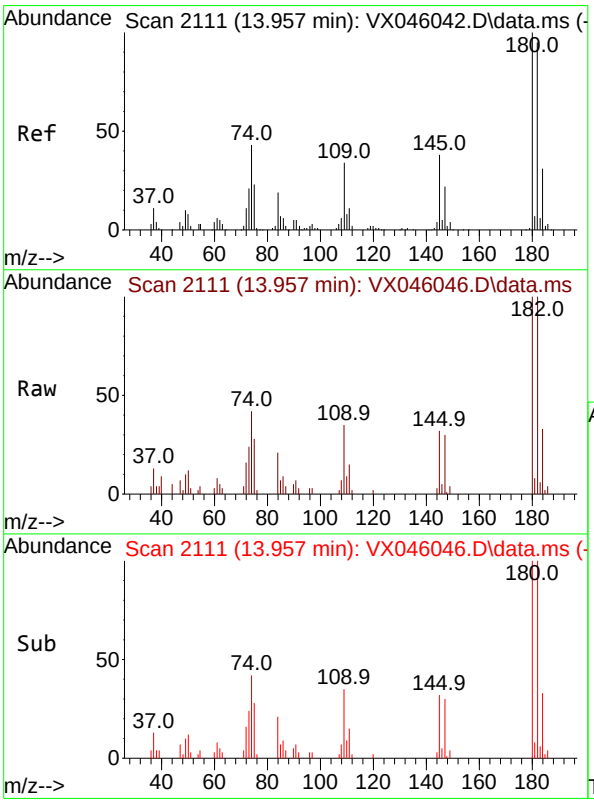
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.5	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

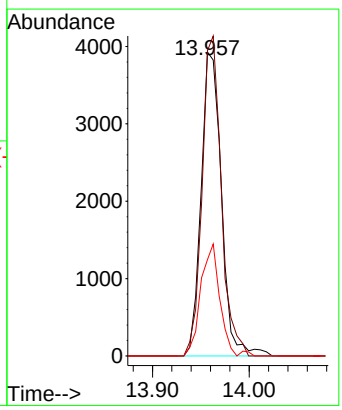
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 3.217 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:180 Resp: 5745

Ion	Ratio	Lower	Upper
180	100		
182	99.1	47.8	143.3
145	34.8	18.1	54.3



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	92040	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	167022	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	140108	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59123	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	1211	0.596	ug/l		98
3) Chloromethane	1.307	50	1278	0.639	ug/l		97
4) Vinyl Chloride	1.374	62	1239	0.707	ug/l	#	82
6) Chloroethane	1.678	64	859	0.951	ug/l		91
7) Trichlorofluoromethane	1.880	101	1959	0.734	ug/l		95
8) Diethyl Ether	2.130	74	742	0.845	ug/l		87
9) 1,1,2-Trichlorotrifluo...	2.319	101	1166	0.731	ug/l		96
12) 1,1-Dichloroethene	2.313	96	1093	0.704	ug/l	#	87
14) Allyl chloride	2.654	41	1936	0.660	ug/l		89
15) Acrylonitrile	3.075	53	3343	3.424	ug/l		98
16) Acetone	2.380	43	3500	3.736	ug/l		97
17) Carbon Disulfide	2.508	76	2619	0.728	ug/l		98
18) Methyl Acetate	2.709	43	1852	0.828	ug/l		98
19) Methyl tert-butyl Ether	3.117	73	3588	0.662	ug/l		96
20) Methylene Chloride	2.782	84	1571	0.828	ug/l	#	90
21) trans-1,2-Dichloroethene	3.081	96	1111	0.701	ug/l	#	71
22) Diisopropyl ether	3.757	45	3857	0.703	ug/l	#	26
23) Vinyl Acetate	3.727	43	15283	3.154	ug/l		96
24) 1,1-Dichloroethane	3.605	63	2054	0.637	ug/l		97
25) 2-Butanone	4.593	43	4558	3.371	ug/l		92
26) 2,2-Dichloropropane	4.458	77	1777	0.728	ug/l		84
27) cis-1,2-Dichloroethene	4.483	96	1324	0.693	ug/l		91
28) Bromochloromethane	4.910	49	1061m	0.619	ug/l		
29) Tetrahydrofuran	5.019	42	2931	3.338	ug/l		99
30) Chloroform	5.093	83	2328	0.695	ug/l		98
32) 1,1,1-Trichloroethane	5.379	97	1869	0.647	ug/l	#	51
36) 1,1-Dichloropropene	5.684	75	1648	0.758	ug/l	#	83
37) Ethyl Acetate	4.733	43	1956m	0.717	ug/l		
38) Carbon Tetrachloride	5.678	117	1807	0.724	ug/l	#	78
39) Methylcyclohexane	7.373	83	2096	0.770	ug/l		97
40) Benzene	6.044	78	4502	0.668	ug/l	#	89
41) Methacrylonitrile	4.946	41	778	0.513	ug/l	#	56
42) 1,2-Dichloroethane	6.092	62	1934	0.694	ug/l		81
43) Isopropyl Acetate	6.354	43	2553	0.612	ug/l	#	81
44) Trichloroethene	7.135	130	1083	0.680	ug/l		85
45) 1,2-Dichloropropane	7.440	63	1059	0.633	ug/l		89

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.586	93	880	0.667	ug/l		97
47) Bromodichloromethane	7.818	83	1620	0.633	ug/l	#	91
48) Methyl methacrylate	7.714	41	1235m	0.577	ug/l		
49) 1,4-Dioxane	7.677	88	498	11.703	ug/l	#	66
51) 4-Methyl-2-Pentanone	8.580	43	9378	3.430	ug/l		97
52) Toluene	8.720	92	2684	0.672	ug/l		96
53) t-1,3-Dichloropropene	8.988	75	1238	0.576	ug/l	#	79
54) cis-1,3-Dichloropropene	8.379	75	1414	0.564	ug/l	#	87
55) 1,1,2-Trichloroethane	9.153	97	1029	0.637	ug/l		92
56) Ethyl methacrylate	9.128	69	1260	0.504	ug/l	#	76
57) 1,3-Dichloropropane	9.311	76	2036	0.711	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.244	63	3846	3.420	ug/l		94
59) 2-Hexanone	9.439	43	6424	3.096	ug/l		88
60) Dibromochloromethane	9.525	129	1023	0.582	ug/l		93
61) 1,2-Dibromoethane	9.610	107	1077	0.650	ug/l		98
64) Tetrachloroethene	9.275	164	972	0.679	ug/l		95
65) Chlorobenzene	10.079	112	3170	0.735	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	1035	0.720	ug/l	#	67
67) Ethyl Benzene	10.195	91	5052	0.687	ug/l		94
68) m/p-Xylenes	10.299	106	3630	1.367	ug/l		97
69) o-Xylene	10.640	106	1799	0.672	ug/l		94
70) Styrene	10.659	104	2664	0.622	ug/l		98
71) Bromoform	10.799	173	657	0.608	ug/l	#	100
73) Isopropylbenzene	10.963	105	4480	0.695	ug/l		96
74) N-amyl acetate	10.854	43	2028	0.631	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	1835	0.800	ug/l		94
76) 1,2,3-Trichloropropane	11.244	75	1661m	0.674	ug/l		
77) Bromobenzene	11.201	156	1095	0.734	ug/l		96
78) n-propylbenzene	11.305	91	5052	0.699	ug/l		97
79) 2-Chlorotoluene	11.360	91	3765	0.773	ug/l		94
80) 1,3,5-Trimethylbenzene	11.451	105	3590	0.671	ug/l		96
82) 4-Chlorotoluene	11.457	91	3815	0.713	ug/l		97
83) tert-Butylbenzene	11.713	119	3951	0.751	ug/l		97
84) 1,2,4-Trimethylbenzene	11.756	105	3725	0.697	ug/l		97
85) sec-Butylbenzene	11.890	105	4385	0.672	ug/l		100
86) p-Isopropyltoluene	12.006	119	3577	0.679	ug/l		94
87) 1,3-Dichlorobenzene	11.969	146	1914	0.689	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	2149m	0.789	ug/l		
89) n-Butylbenzene	12.335	91	2889	0.631	ug/l		92
90) Hexachloroethane	12.536	117	604	0.616	ug/l		99
91) 1,2-Dichlorobenzene	12.341	146	2022	0.747	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	306	0.586	ug/l		83
93) 1,2,4-Trichlorobenzene	13.591	180	1019	0.688	ug/l		94
94) Hexachlorobutadiene	13.725	225	465	0.671	ug/l		89
95) Naphthalene	13.780	128	4138	0.767	ug/l		97
96) 1,2,3-Trichlorobenzene	13.963	180	1113	0.716	ug/l		96

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

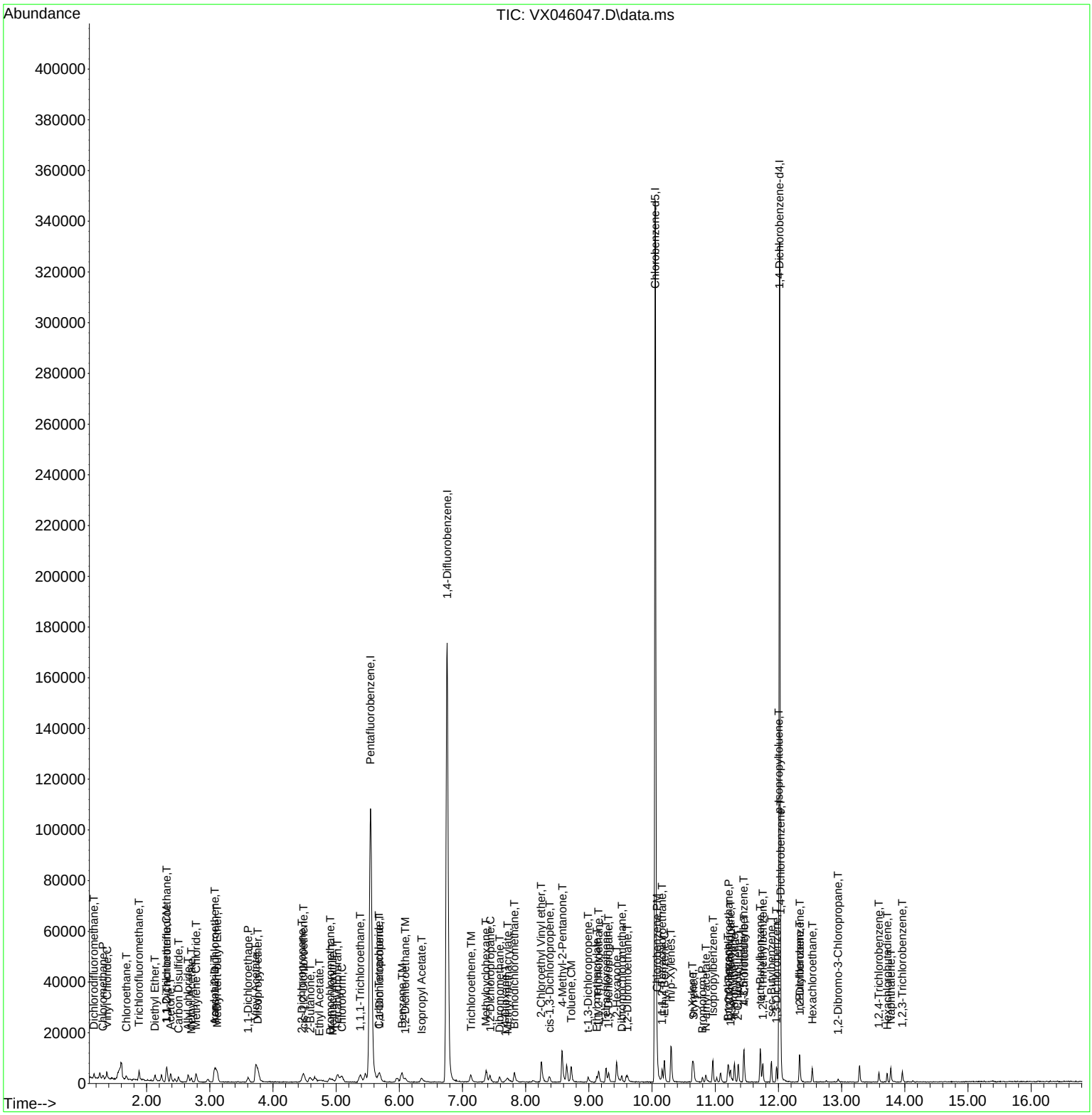
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

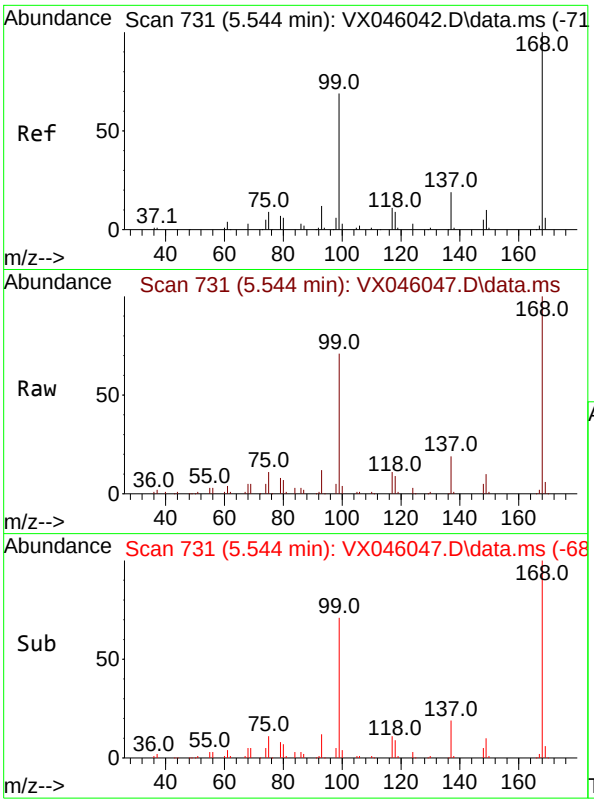
Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

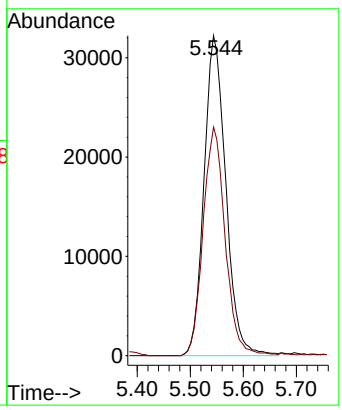




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:168 Resp: 9204

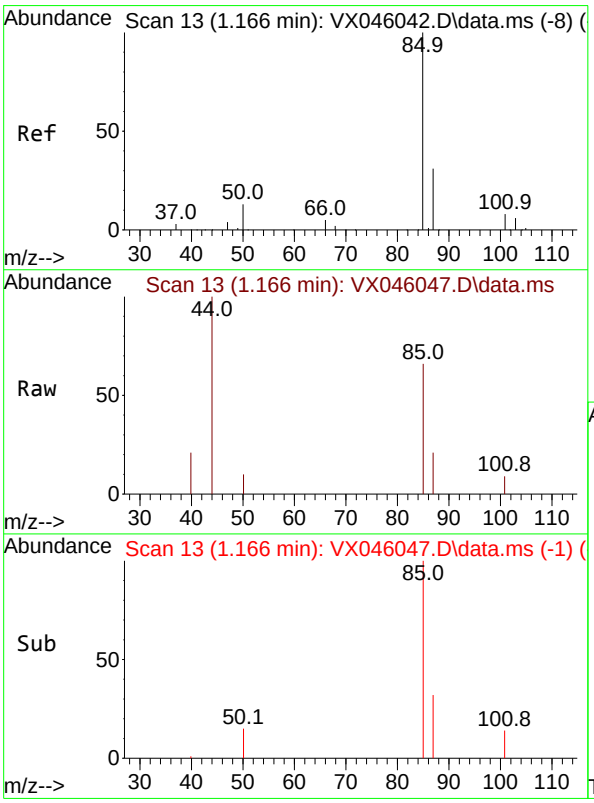
Ion	Ratio	Lower	Upper
168	100		
99	71.5	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

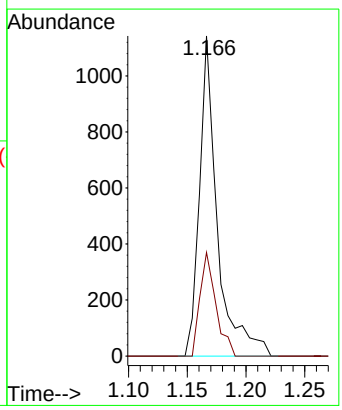
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

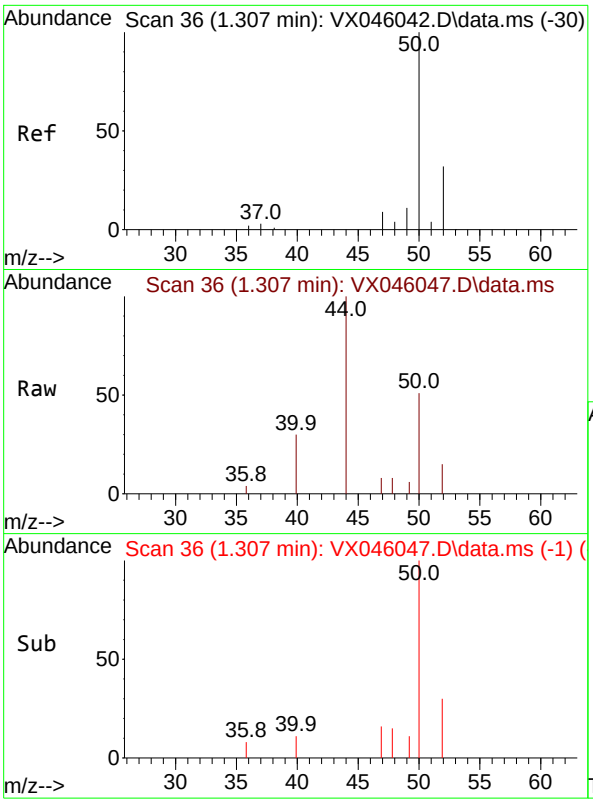


#2
Dichlorodifluoromethane
Concen: 0.596 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 85 Resp: 1211

Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.7	47.1

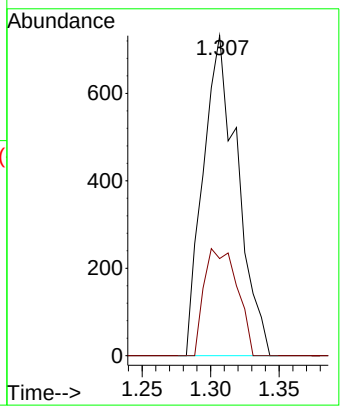




#3
Chloromethane
Concen: 0.639 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 50 Resp: 127

Ion	Ratio	Lower	Upper
50	100		
52	30.3	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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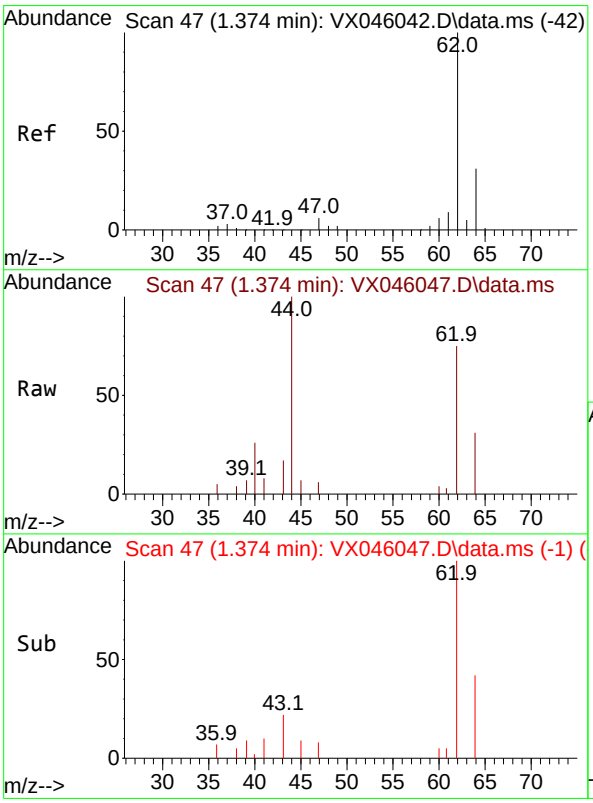
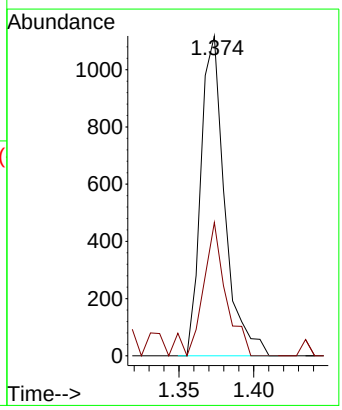
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

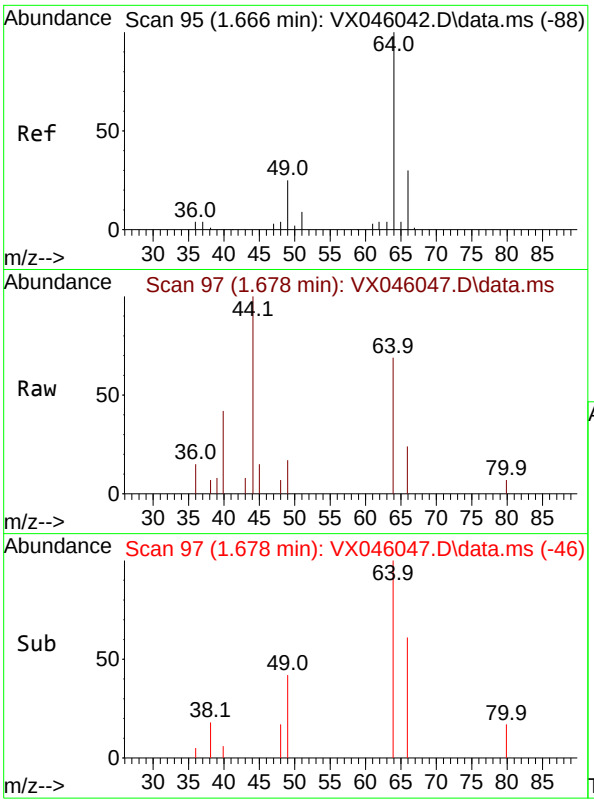


#4
Vinyl Chloride
Concen: 0.707 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 62 Resp: 1239

Ion	Ratio	Lower	Upper
62	100		
64	41.7	25.2	37.8#

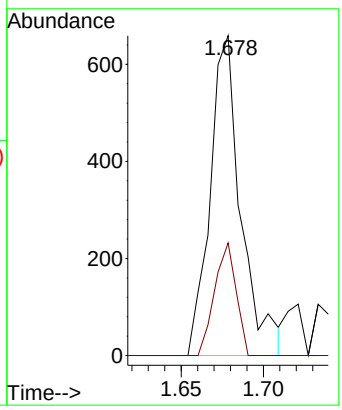




#6
Chloroethane
Concen: 0.951 ug/l
RT: 1.678 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 64 Resp: 85

Ion	Ratio	Lower	Upper
64	100		
66	35.2	24.3	36.5



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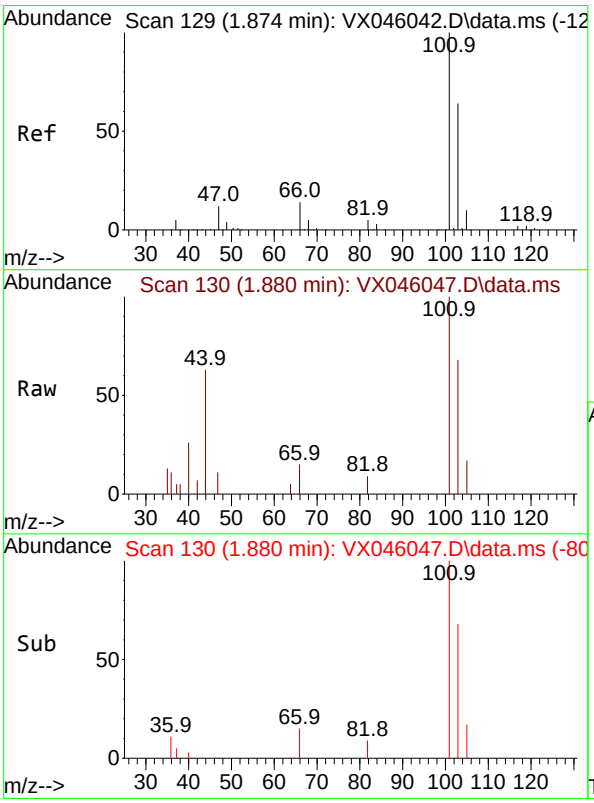
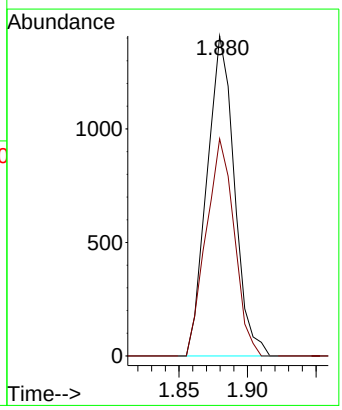
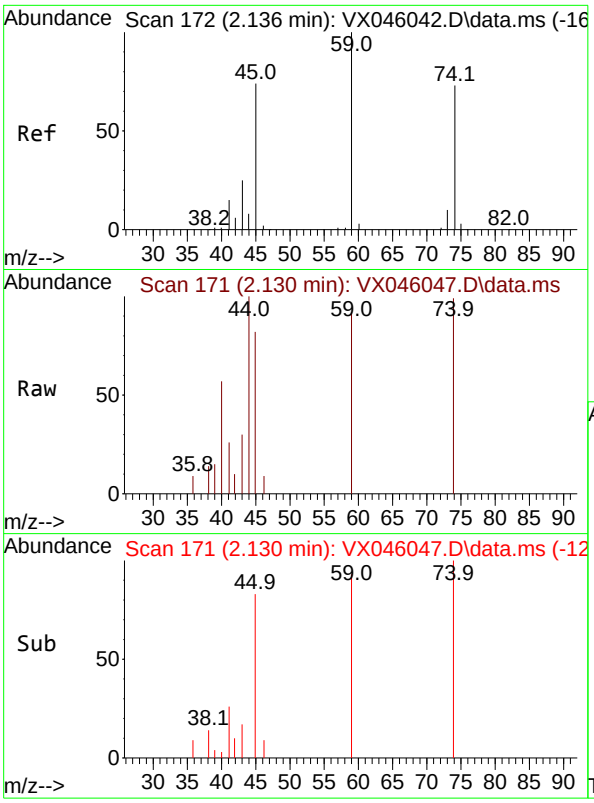


#7
Trichlorofluoromethane
Concen: 0.734 ug/l
RT: 1.880 min Scan# 130
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:101 Resp: 1959

Ion	Ratio	Lower	Upper
101	100		
103	67.8	51.0	76.4

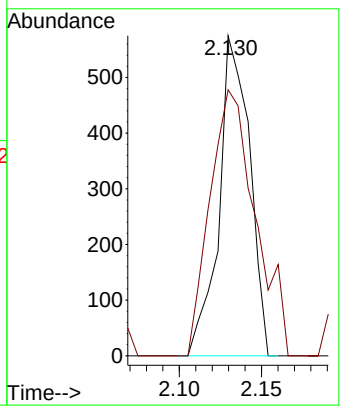




#8
Diethyl Ether
Concen: 0.845 ug/l
RT: 2.130 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 74 Resp: 74

Ion	Ratio	Lower	Upper
74	100		
45	123.6	54.9	164.8



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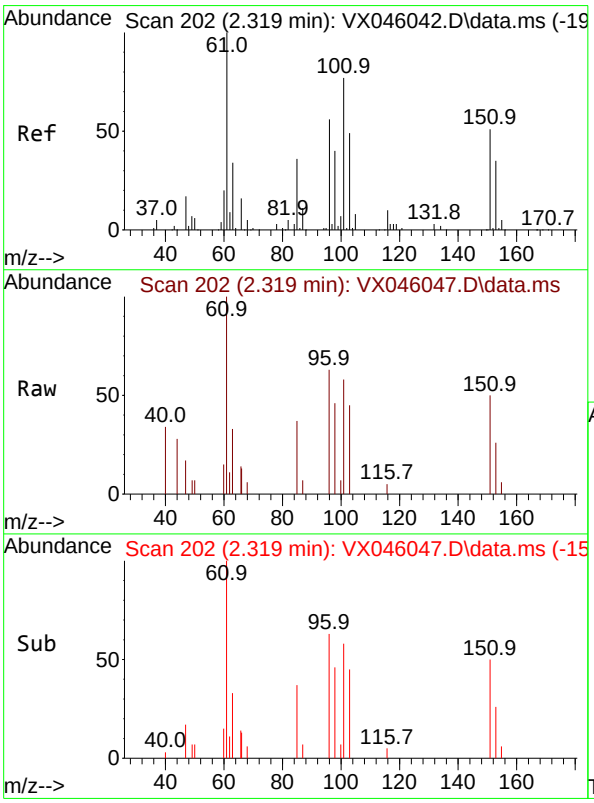
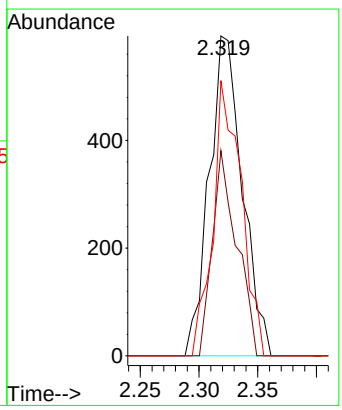
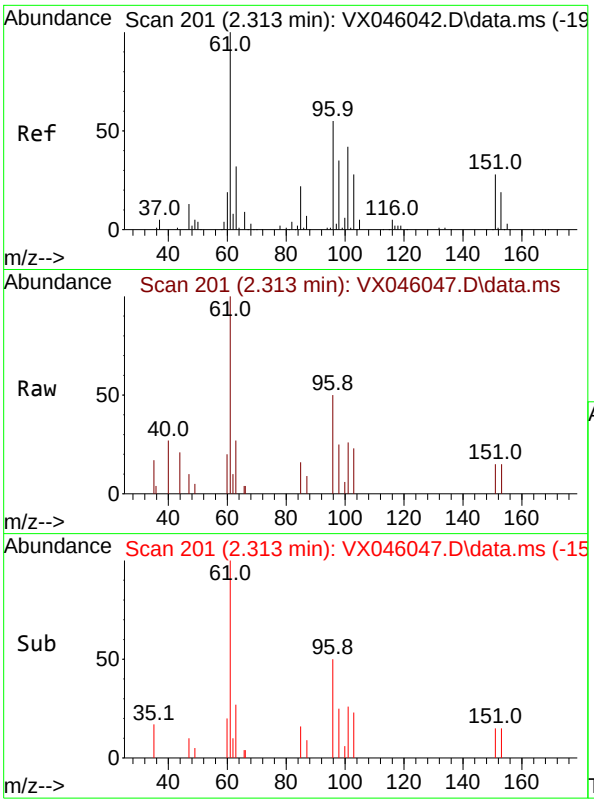


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.731 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:101 Resp: 1166

Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.6	58.0
151	73.1	55.2	82.8

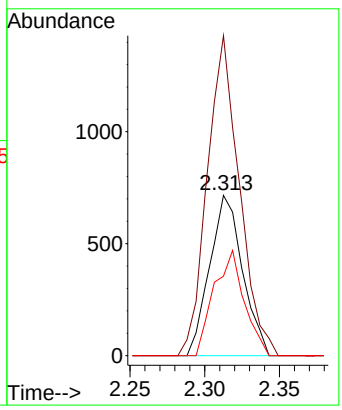




#12
1,1-Dichloroethene
Concen: 0.704 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 96 Resp: 109

Ion	Ratio	Lower	Upper
96	100		
61	199.6	146.2	219.2
98	49.6	51.0	76.6



Instrument :
MSVOA_X
ClientSampleId :
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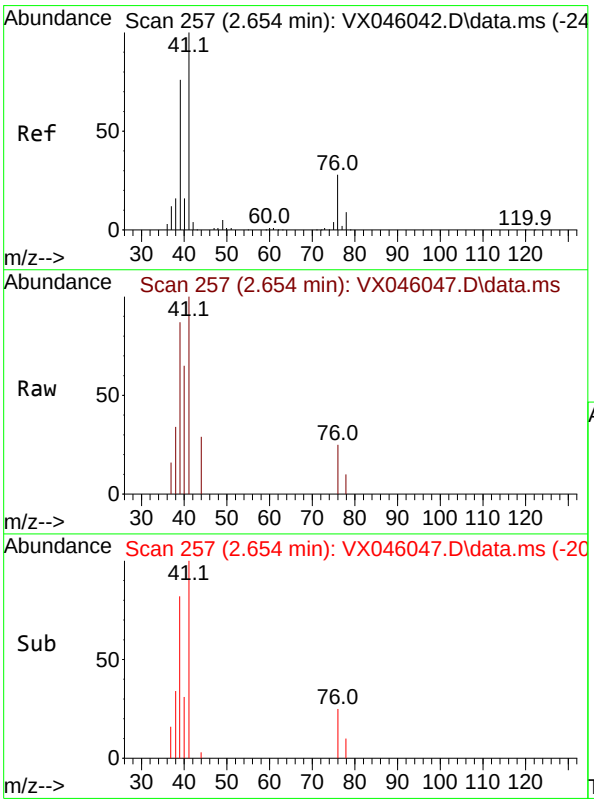
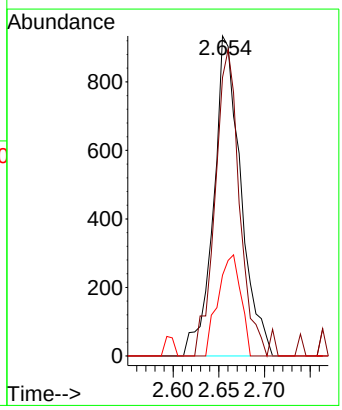
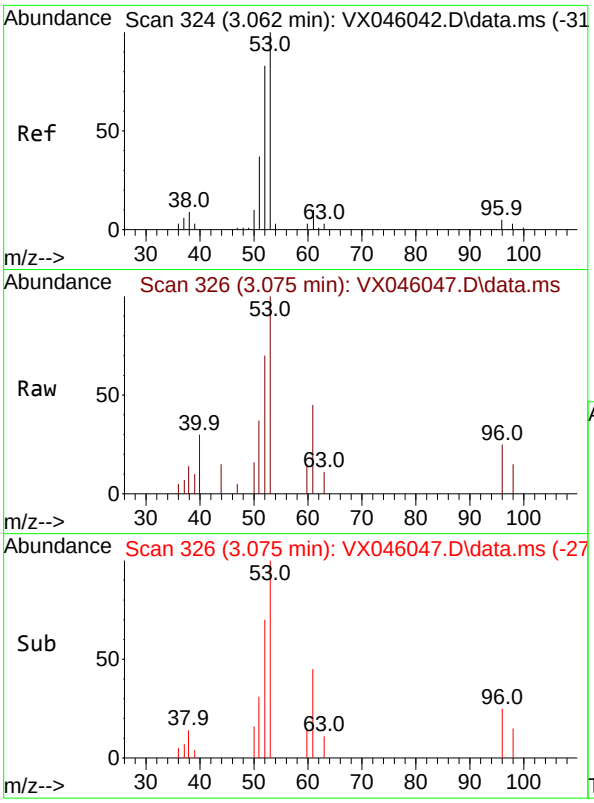


#14
Allyl chloride
Concen: 0.660 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 1936

Ion	Ratio	Lower	Upper
41	100		
39	85.5	60.6	90.8
76	26.4	24.9	37.3

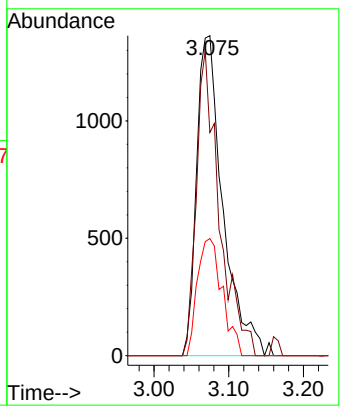




#15
Acrylonitrile
Concen: 3.424 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 53 Resp: 334

Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.3	97.9
51	34.4	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
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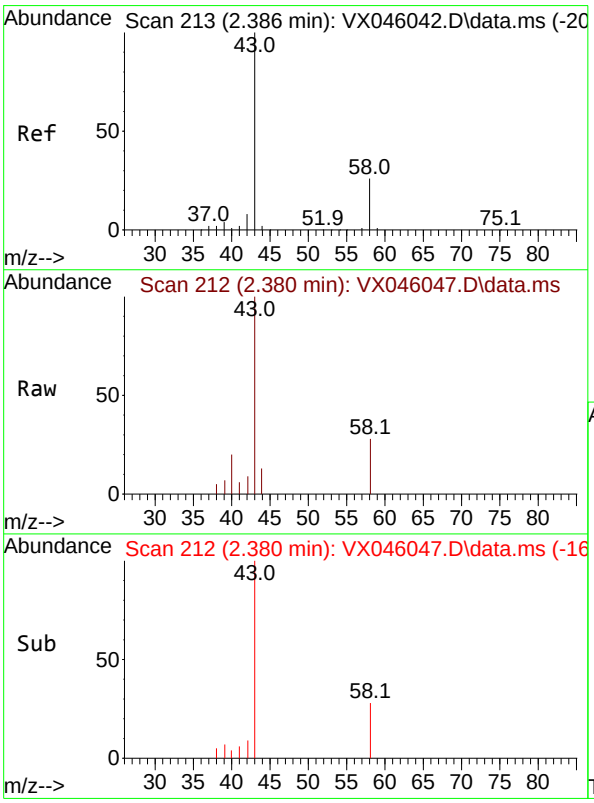
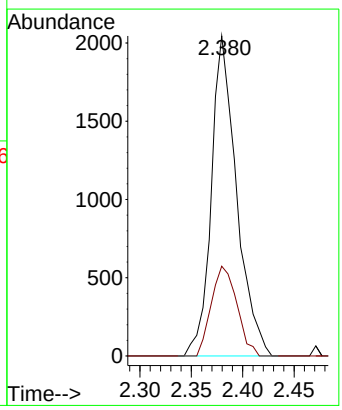
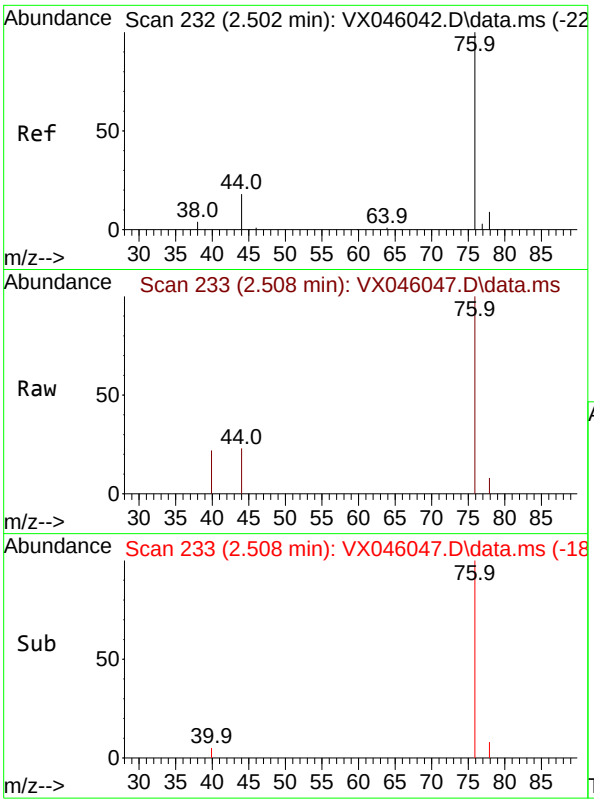


#16
Acetone
Concen: 3.736 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 3500

Ion	Ratio	Lower	Upper
43	100		
58	28.1	21.2	31.8

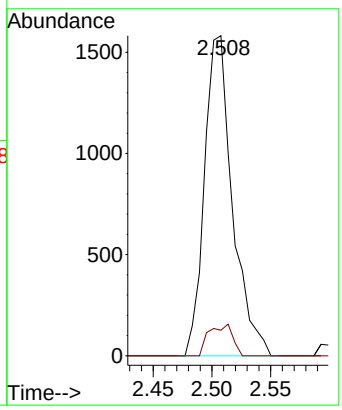




#17
Carbon Disulfide
Concen: 0.728 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 76 Resp: 261

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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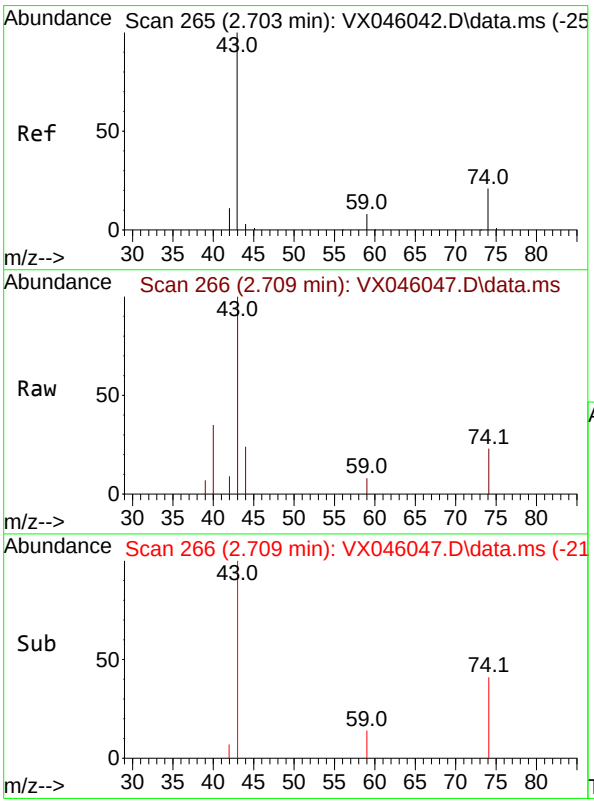
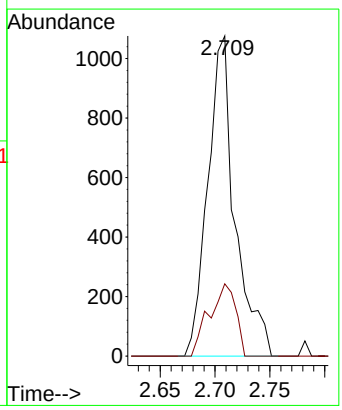
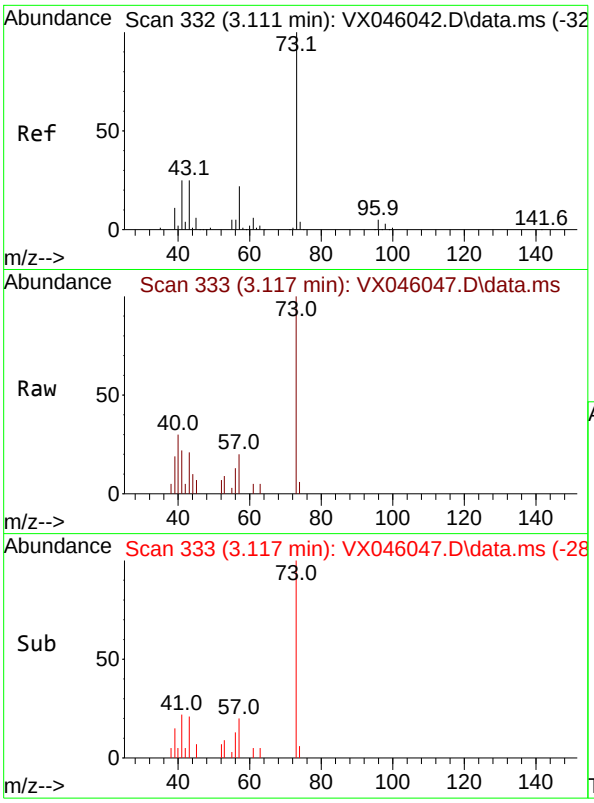


#18
Methyl Acetate
Concen: 0.828 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 1852

Ion	Ratio	Lower	Upper
43	100		
74	22.0	16.7	25.1

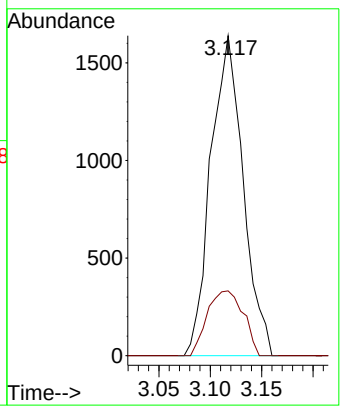




#19
Methyl tert-butyl Ether
Concen: 0.662 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 73 Resp: 358

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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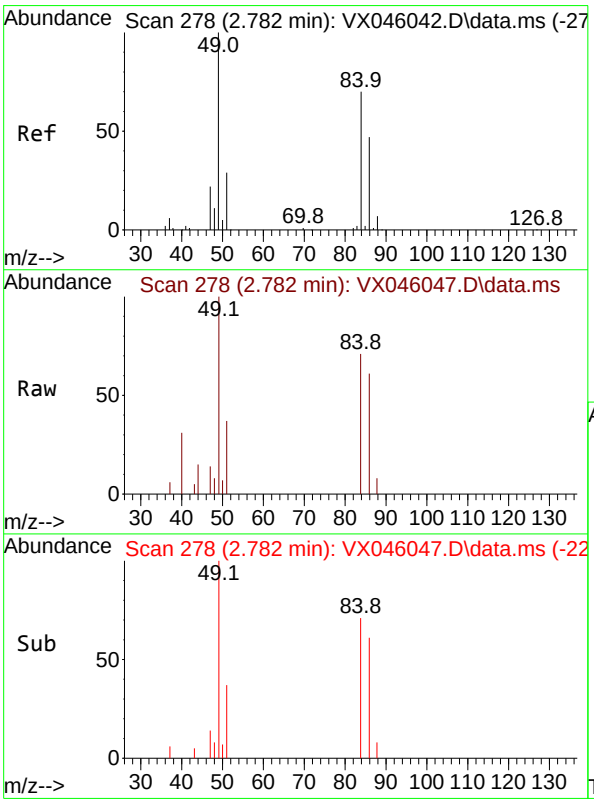
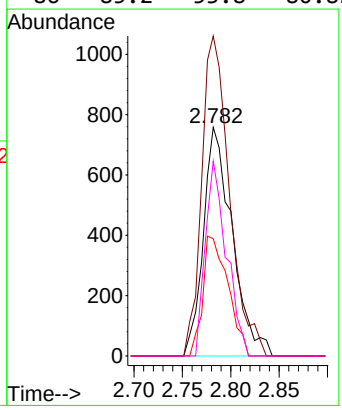
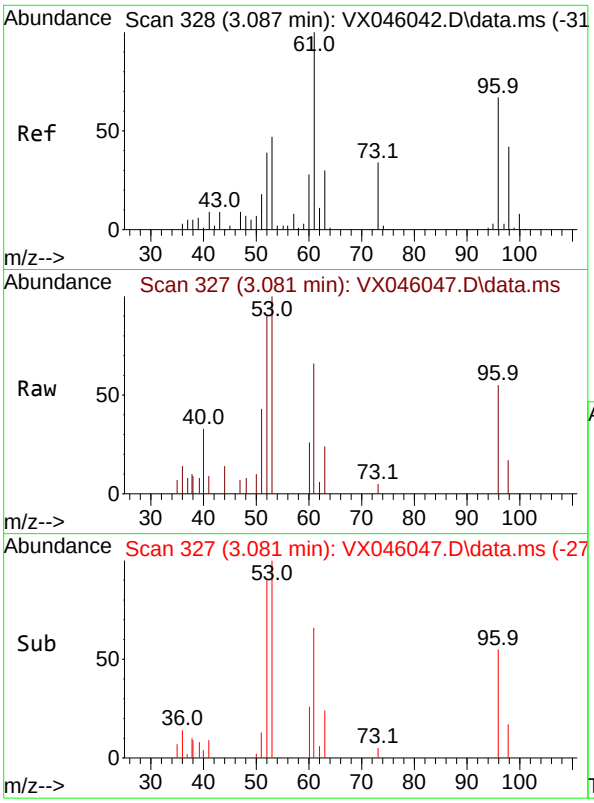


#20
Methylene Chloride
Concen: 0.828 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 84 Resp: 1571

Ion	Ratio	Lower	Upper
84	100		
49	140.0	113.9	170.9
51	51.3	33.5	50.3#
86	85.2	53.8	80.8#

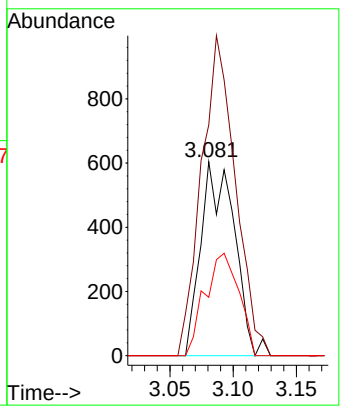




#21
trans-1,2-Dichloroethene
Concen: 0.701 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 96 Resp: 111

Ion	Ratio	Lower	Upper
96	100		
61	119.0	119.5	179.3#
98	30.1	50.0	75.0#



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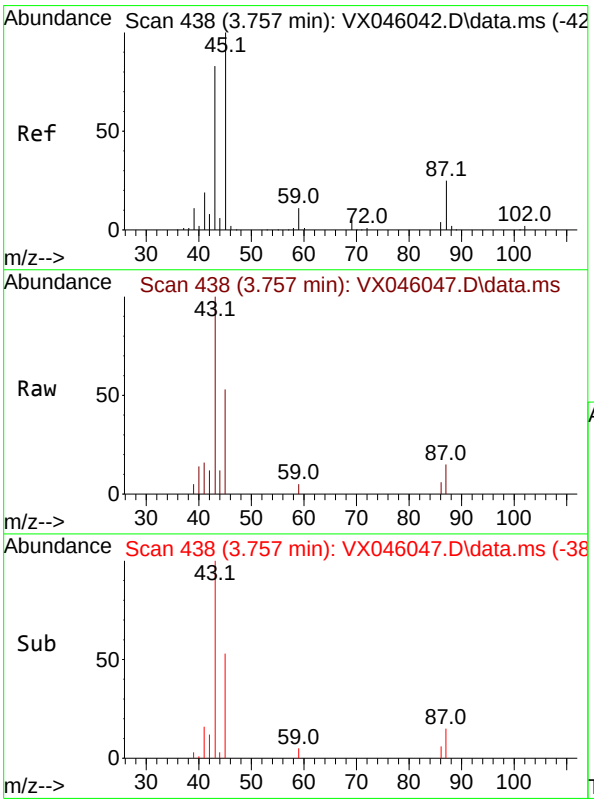
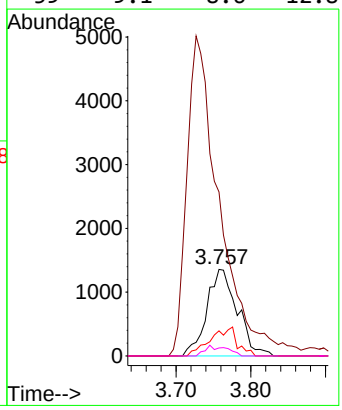
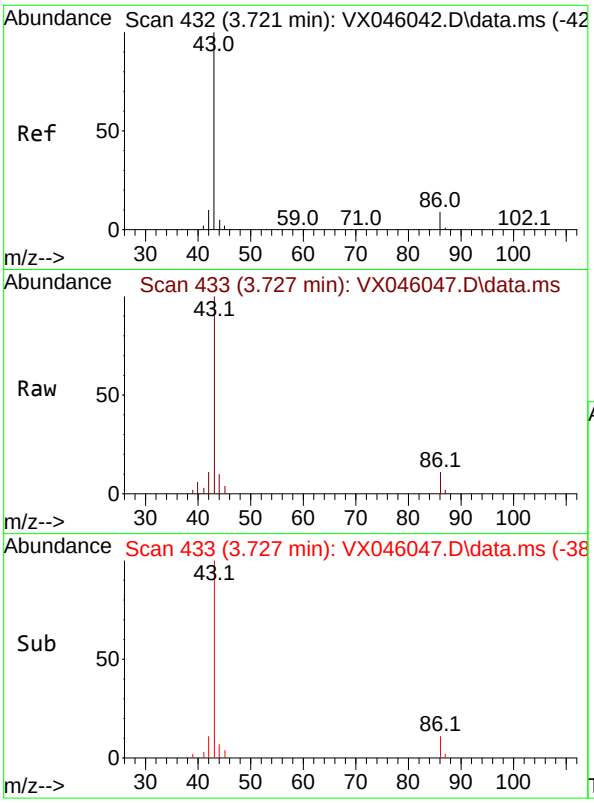


#22
Diisopropyl ether
Concen: 0.703 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 45 Resp: 3857

Ion	Ratio	Lower	Upper
45	100		
43	176.2	66.6	100.0#
87	28.9	19.8	29.6
59	9.1	8.6	12.8





#23
Vinyl Acetate
Concen: 3.154 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 1528

Ion	Ratio	Lower	Upper
43	100		
86	10.8	7.5	11.3

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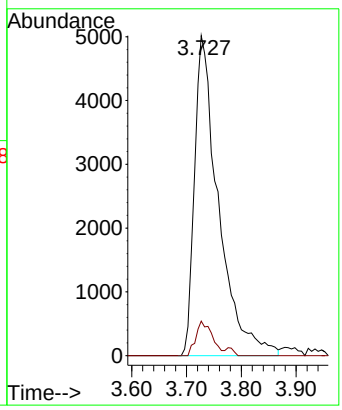
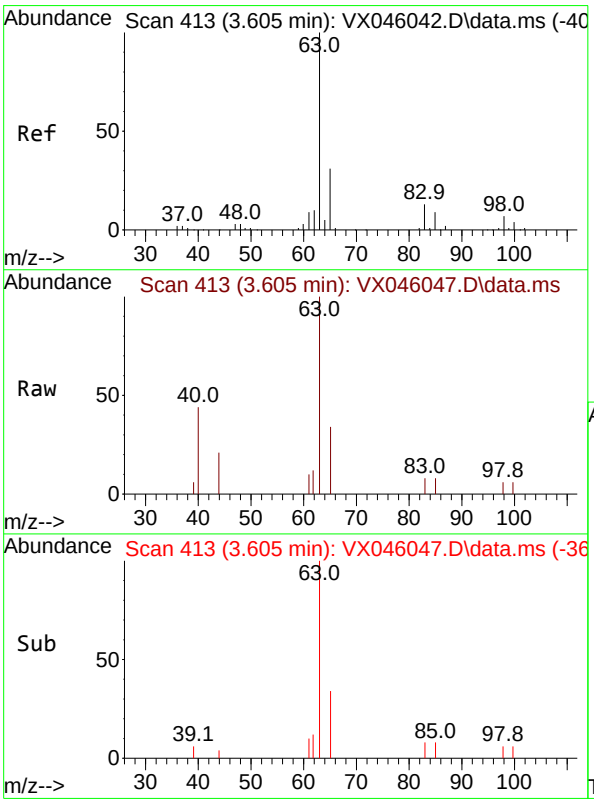
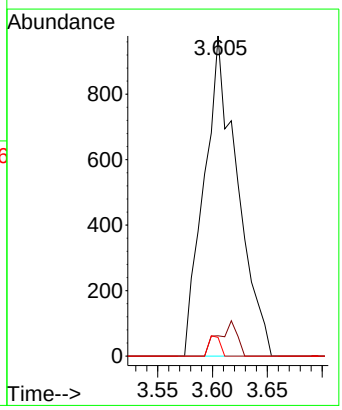


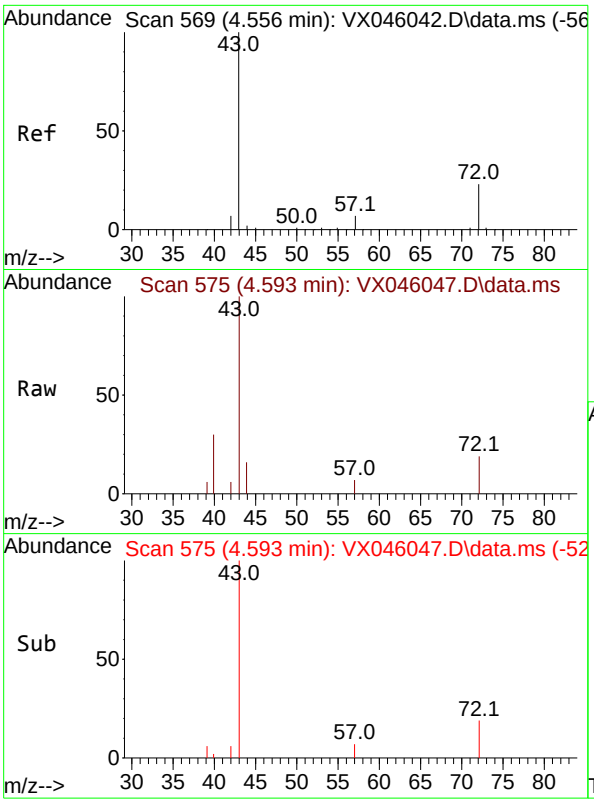


#24
1,1-Dichloroethane
Concen: 0.637 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 2054

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.6	10.8
100	5.8	2.1	6.3

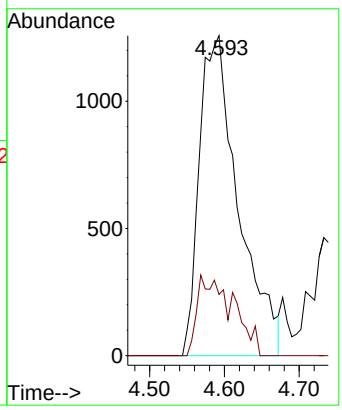




#25
2-Butanone
Concen: 3.371 ug/l
RT: 4.593 min Scan# 5
Delta R.T. 0.037 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 455

Ion	Ratio	Lower	Upper
43	100		
72	19.2	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
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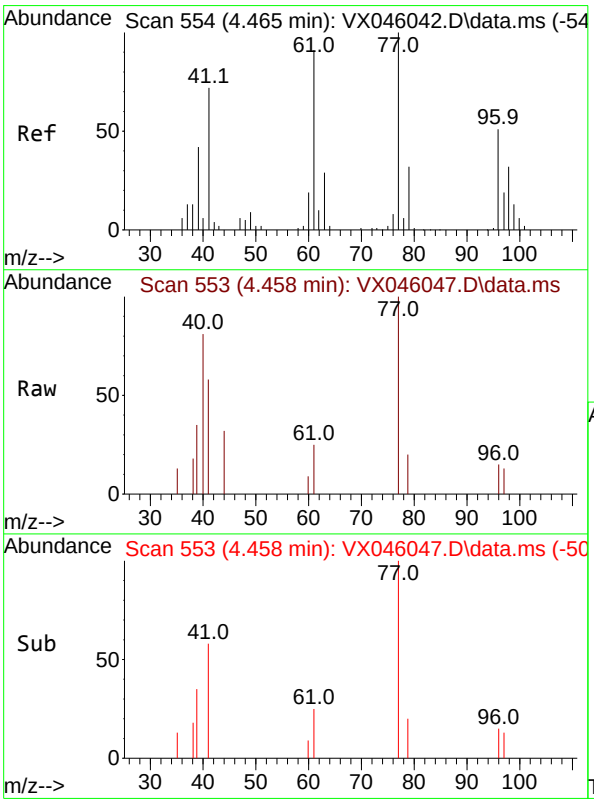
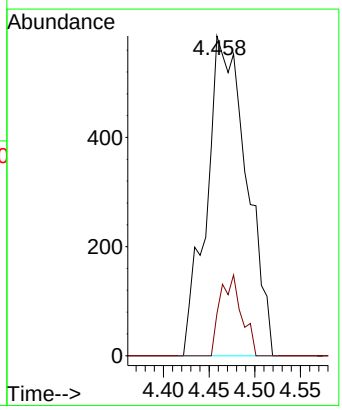
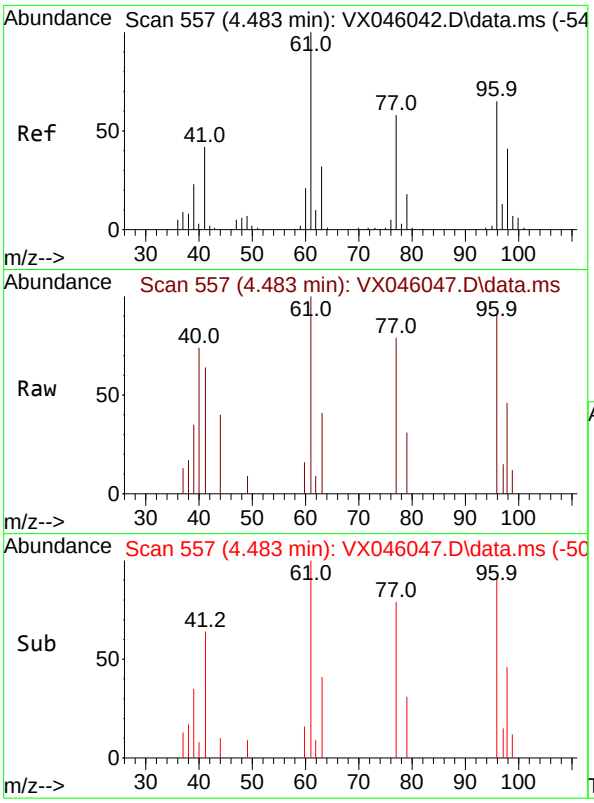


#26
2,2-Dichloropropane
Concen: 0.728 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 77 Resp: 1777

Ion	Ratio	Lower	Upper
77	100		
97	13.7	10.5	31.5

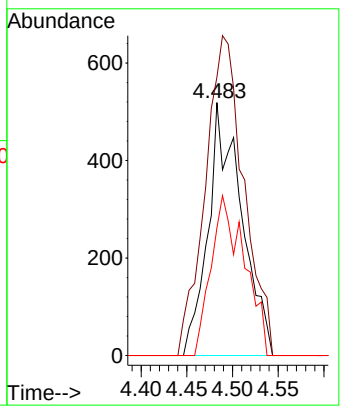




#27
cis-1,2-Dichloroethene
Concen: 0.693 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 96 Resp: 132

Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	322.8
98	63.1	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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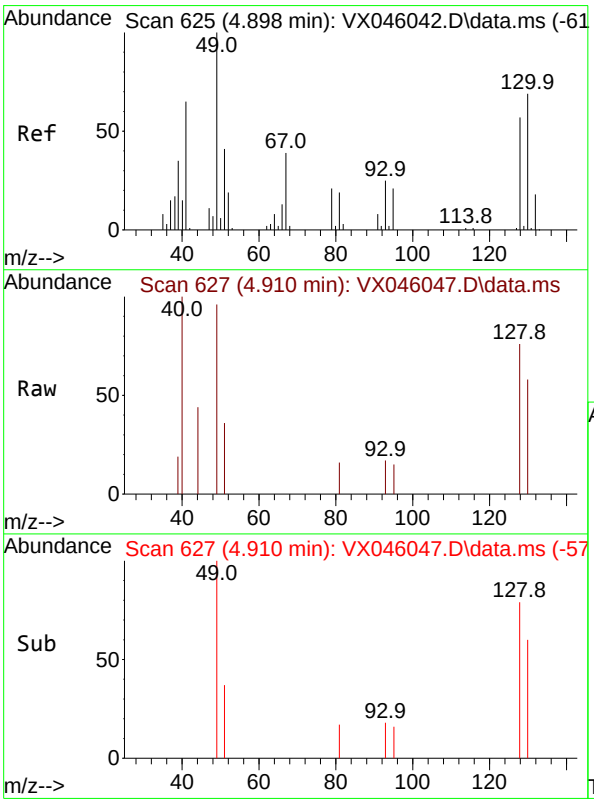
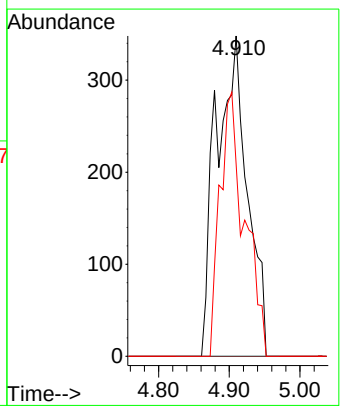
Supervised By :Mahesh Dadoda 05/06/2025

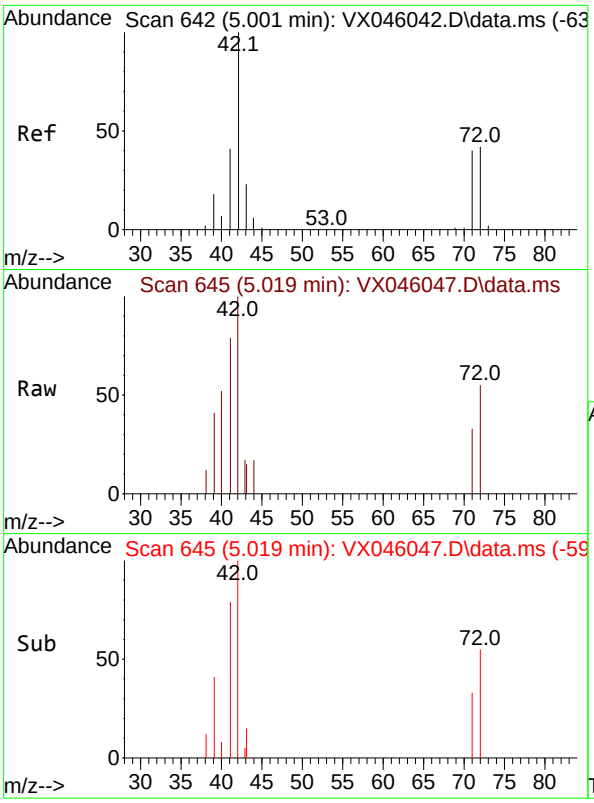


#28
Bromochloromethane
Concen: 0.619 ug/l m
RT: 4.910 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 49 Resp: 1061

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	65.3	56.2	84.2

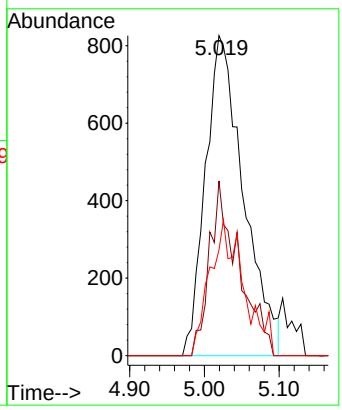




#29
Tetrahydrofuran
Concen: 3.338 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 42 Resp: 293

Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	37.7	31.4	47.2



Instrument :
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ClientSampleId :
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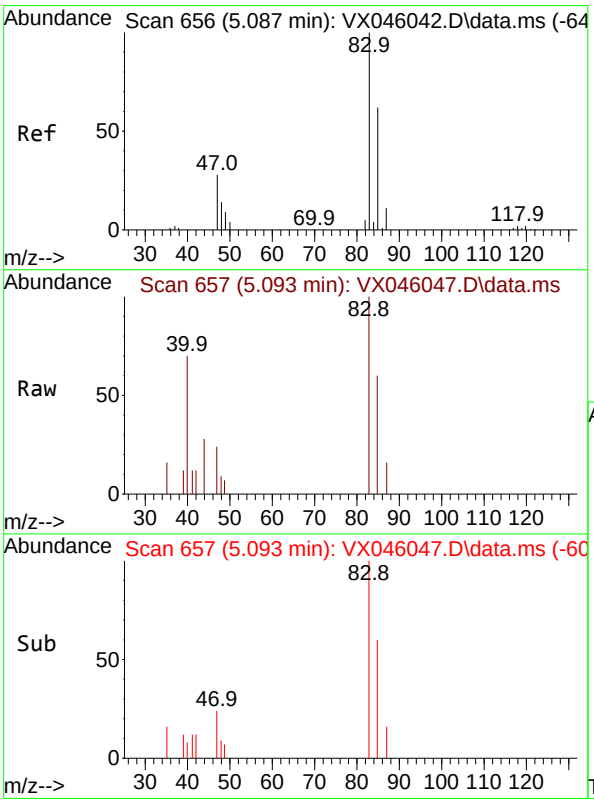
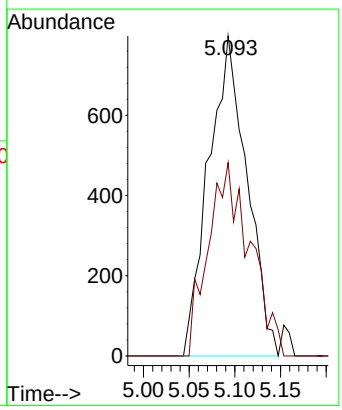
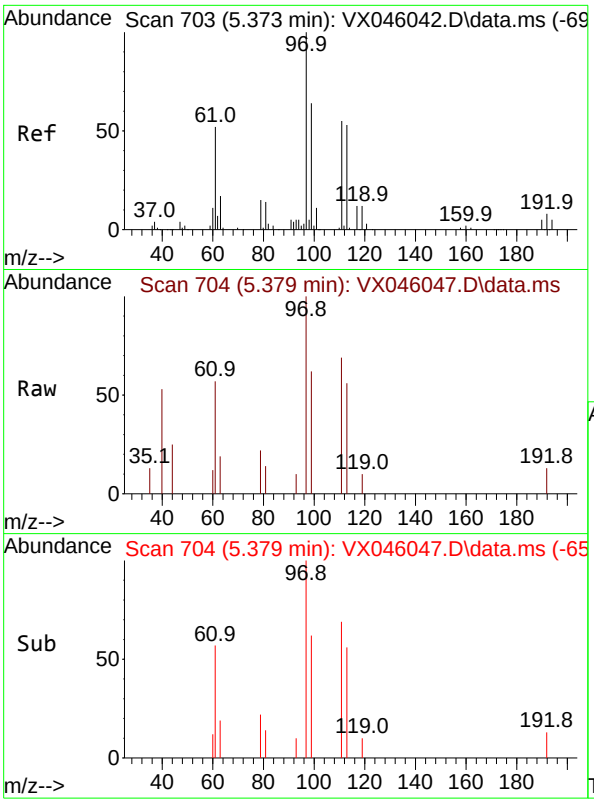


#30
Chloroform
Concen: 0.695 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 2328

Ion	Ratio	Lower	Upper
83	100		
85	60.4	49.3	73.9

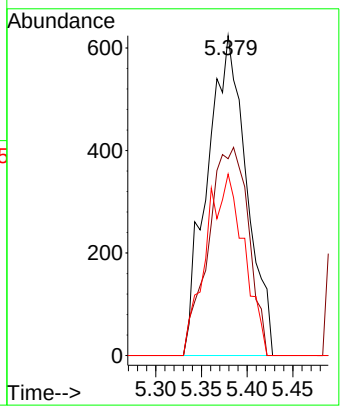




#32
1,1,1-Trichloroethane
Concen: 0.647 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 97 Resp: 186

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.8	77.6
61	55.0	40.1	60.1



Instrument :
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ClientSampleId :
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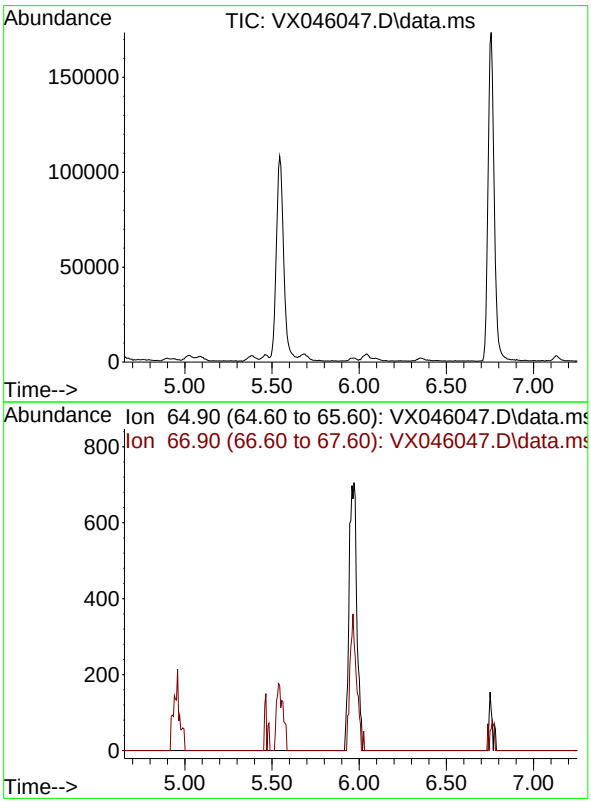
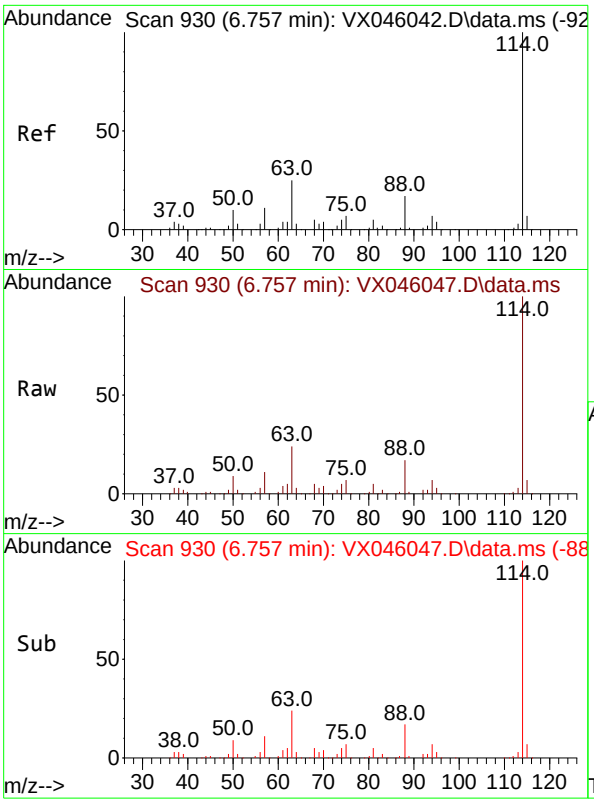


#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.95 min

Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 65

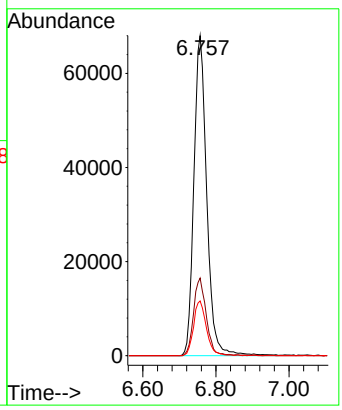
Sig	Exp Ratio
65	100
67	49.5



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:114 Resp: 16702

Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	49.2
88	17.1	0.0	33.6



Instrument :
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ClientSampleId :
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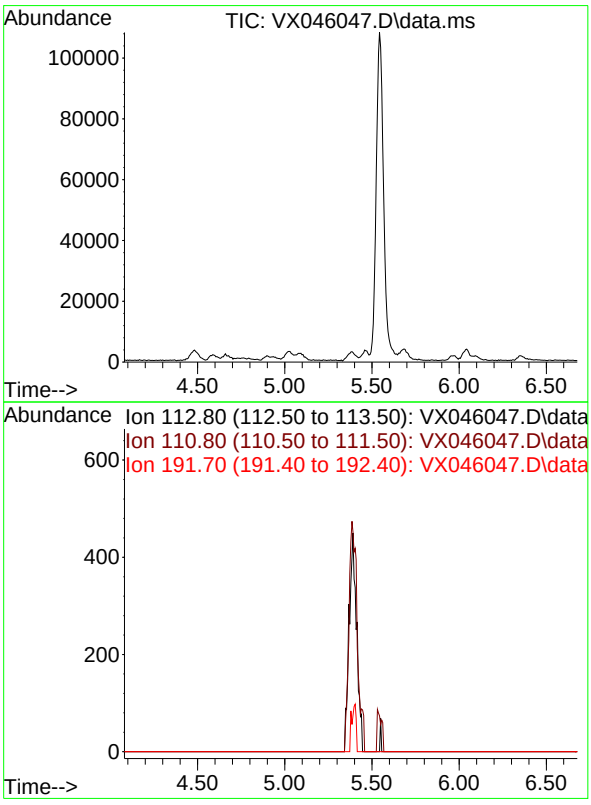
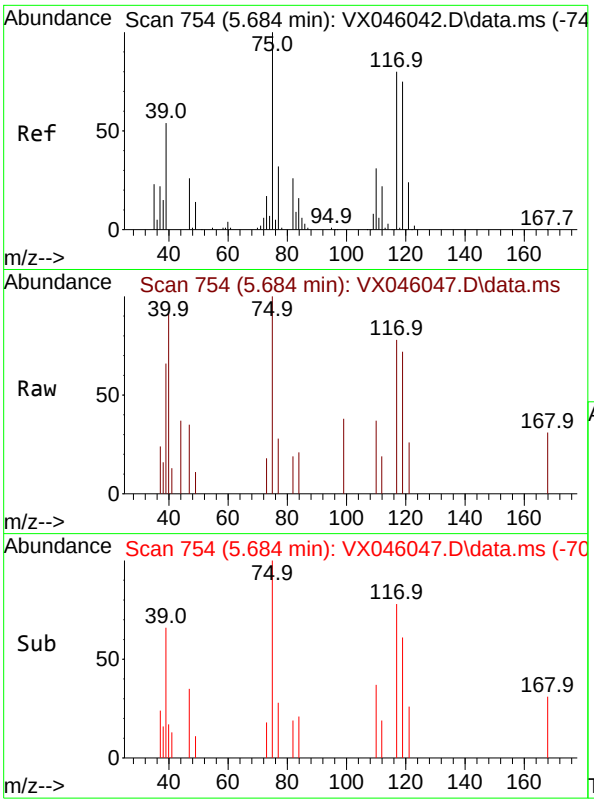


#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.38 min

Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 113

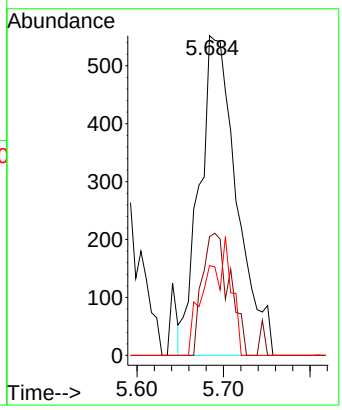
Sig	Exp Ratio
113	100
111	103.9
192	16.6



#36
1,1-Dichloropropene
Concen: 0.758 ug/l
RT: 5.684 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 164

Ion	Ratio	Lower	Upper
75	100		
110	28.2	16.3	48.9
77	15.8	24.3	36.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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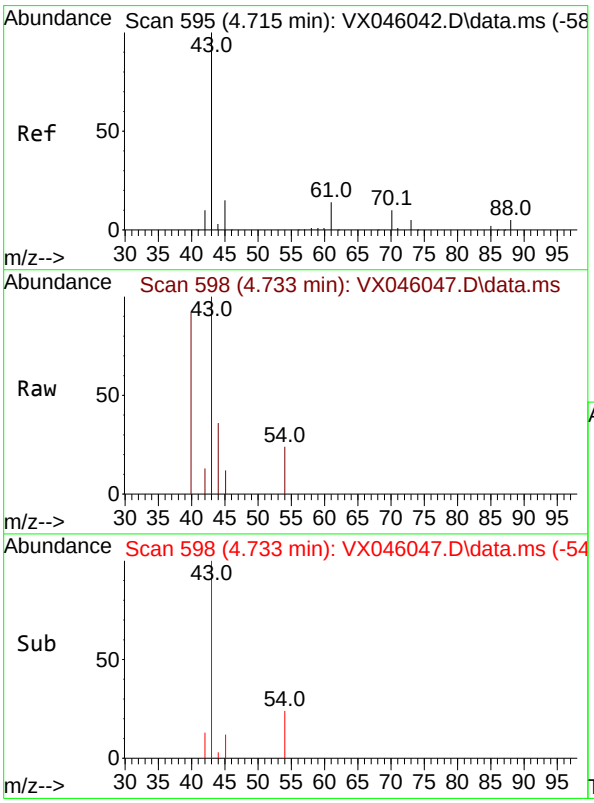
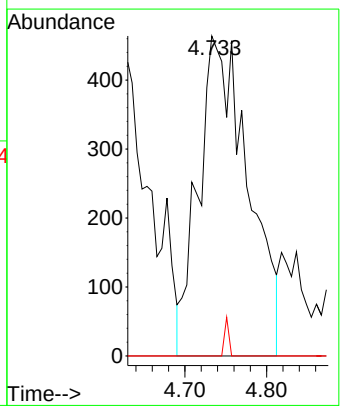
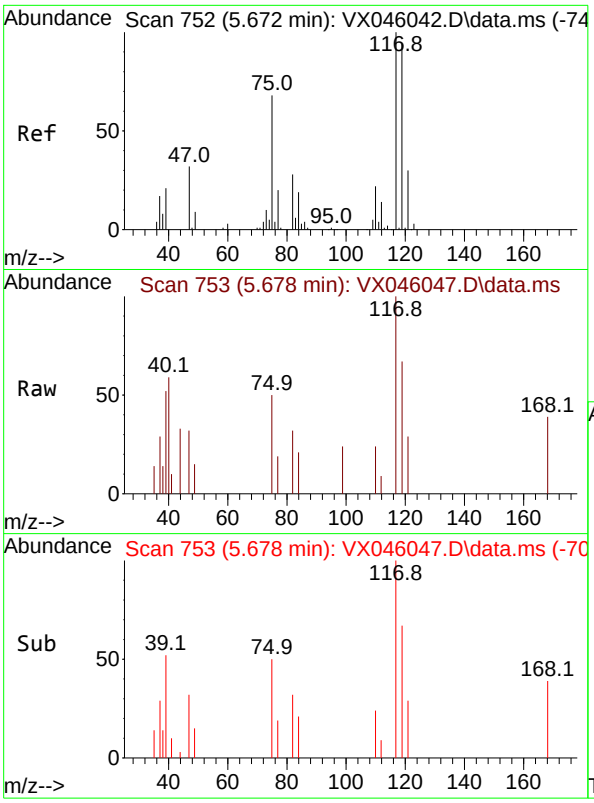


#37
Ethyl Acetate
Concen: 0.717 ug/l m
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 1956

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.3	15.5#
70	1.0	7.9	11.9#

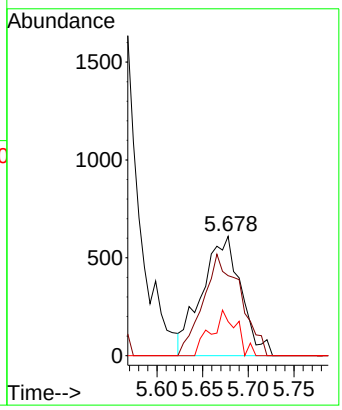




#38
Carbon Tetrachloride
Concen: 0.724 ug/l
RT: 5.678 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:117 Resp: 180

Ion	Ratio	Lower	Upper
117	100		
119	67.0	75.2	112.8
121	28.5	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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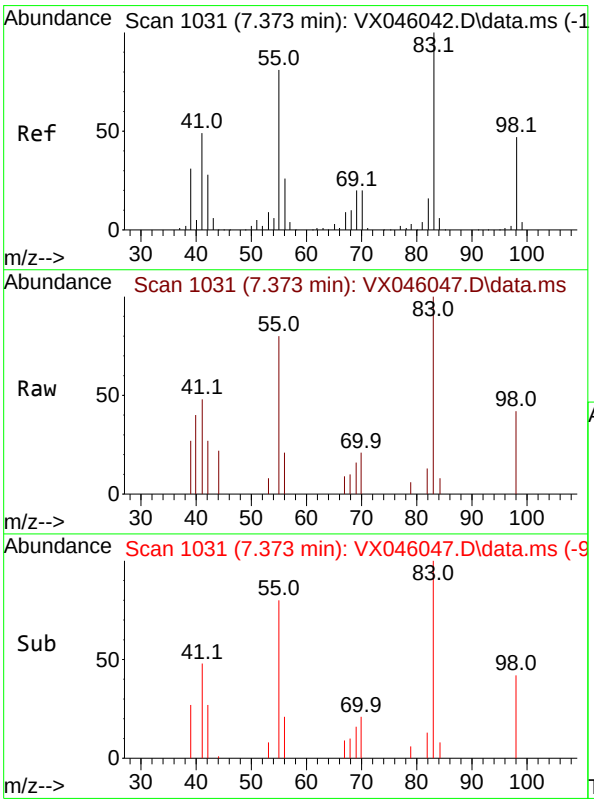
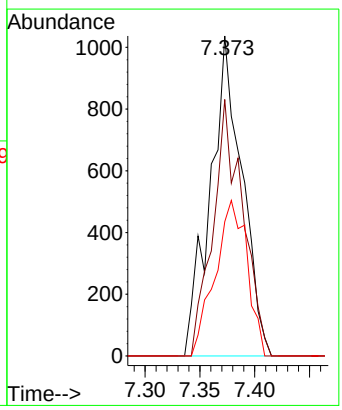
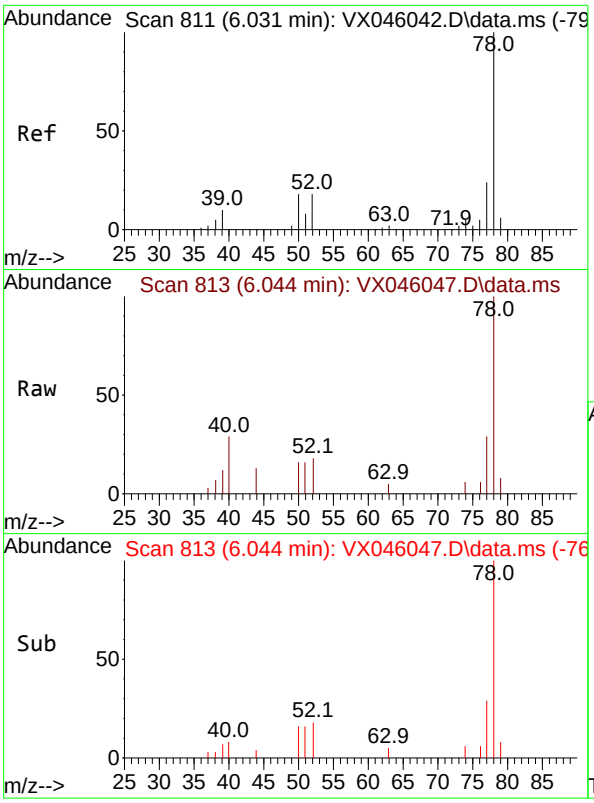


#39
Methylcyclohexane
Concen: 0.770 ug/l
RT: 7.373 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 2096

Ion	Ratio	Lower	Upper
83	100		
55	80.1	64.7	97.1
98	41.9	37.4	56.2





#40
Benzene
Concen: 0.668 ug/l
RT: 6.044 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 78 Resp: 450

Ion	Ratio	Lower	Upper
78	100		
77	29.1	19.0	28.4#

Instrument :
MSVOA_X
ClientSampleId :
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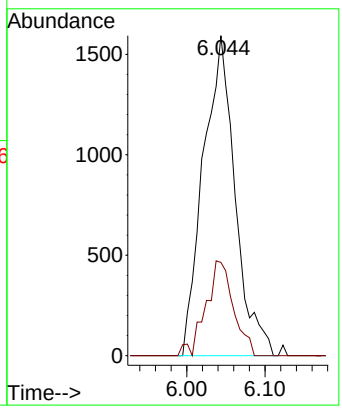
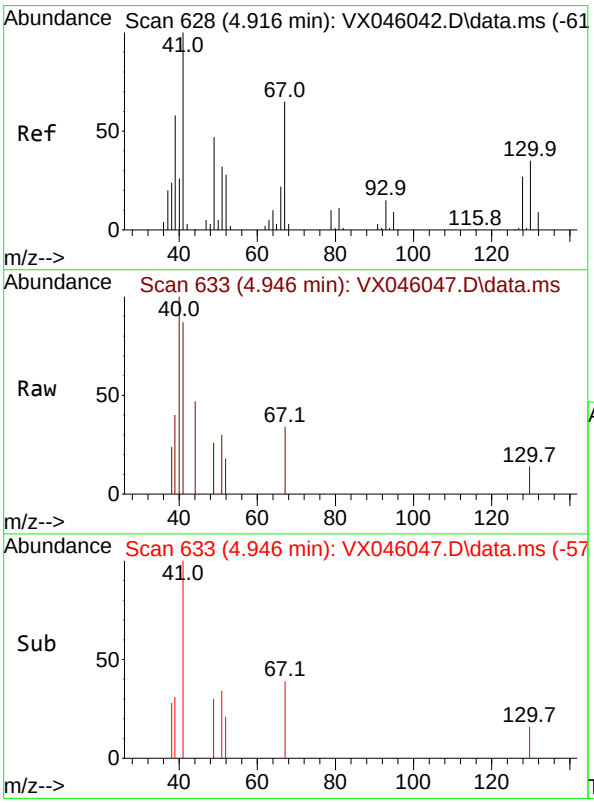
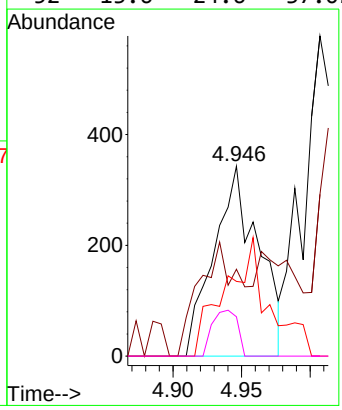


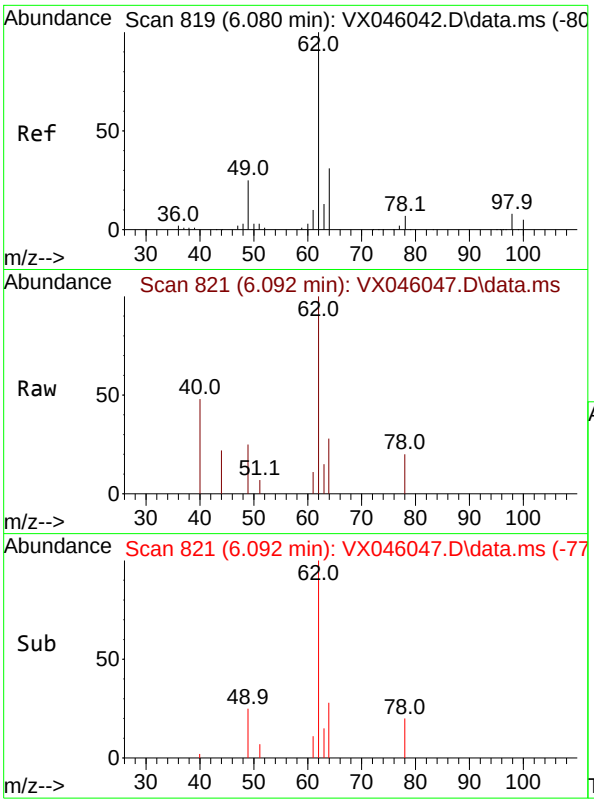


#41
Methacrylonitrile
Concen: 0.513 ug/l
RT: 4.946 min Scan# 633
Delta R.T. 0.030 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 778

Ion	Ratio	Lower	Upper
41	100		
39	51.7	47.2	70.8
67	0.0	50.7	76.1#
52	13.6	24.6	37.0#

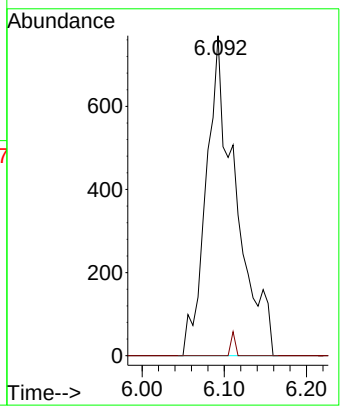




#42
1,2-Dichloroethane
Concen: 0.694 ug/l
RT: 6.092 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 62 Resp: 193

Ion	Ratio	Lower	Upper
62	100		
98	1.1	0.0	15.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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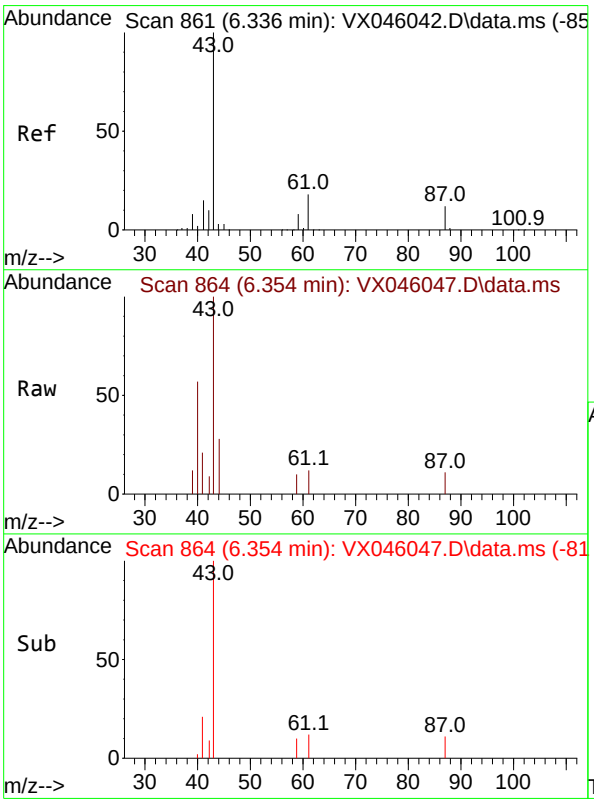
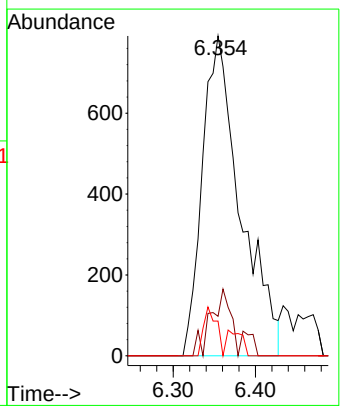
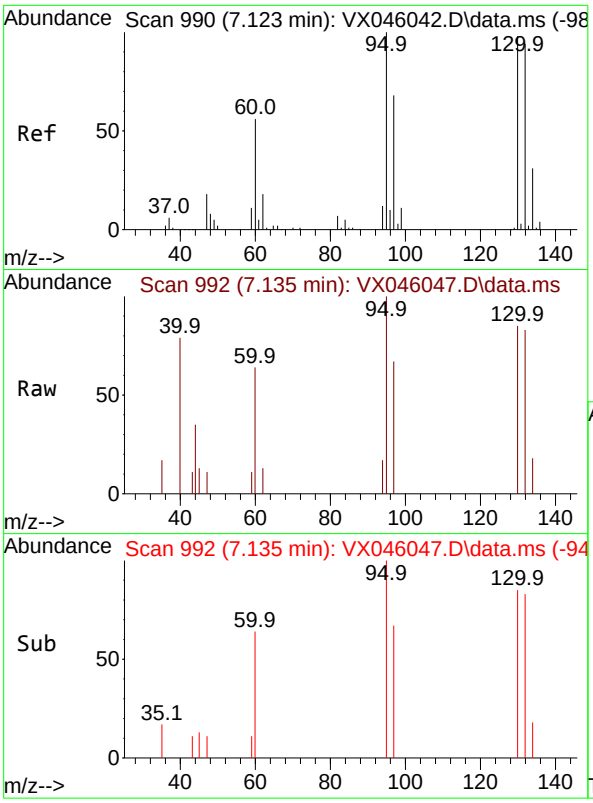


#43
Isopropyl Acetate
Concen: 0.612 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 2553

Ion	Ratio	Lower	Upper
43	100		
61	10.7	14.3	21.5#
87	3.2	9.5	14.3#

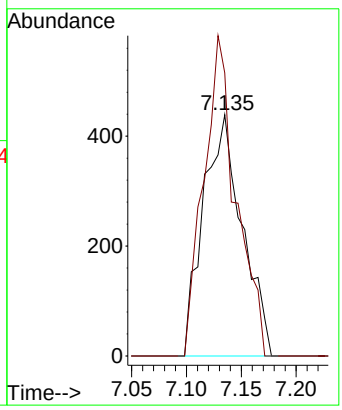




#44
Trichloroethene
Concen: 0.680 ug/l
RT: 7.135 min Scan# 9
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:130 Resp: 108

Ion	Ratio	Lower	Upper
130	100		
95	117.3	0.0	204.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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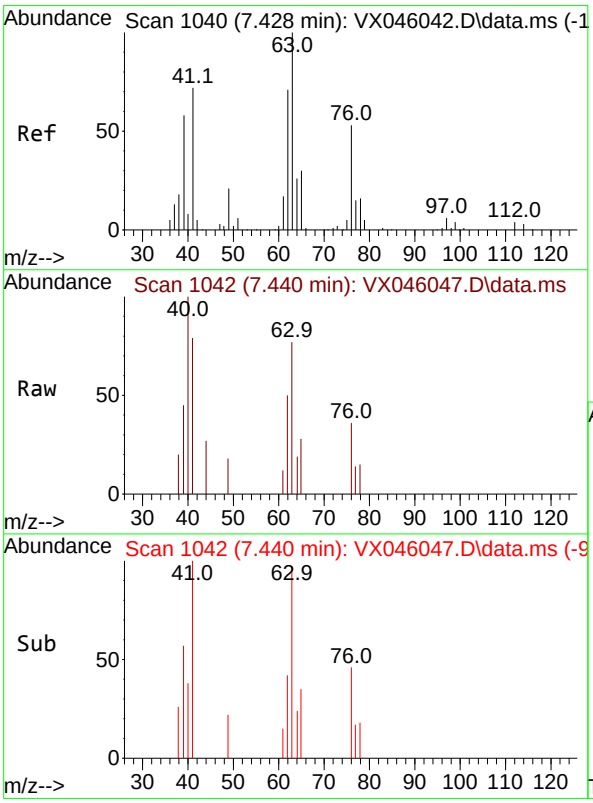
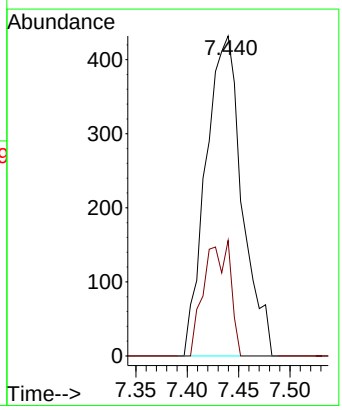
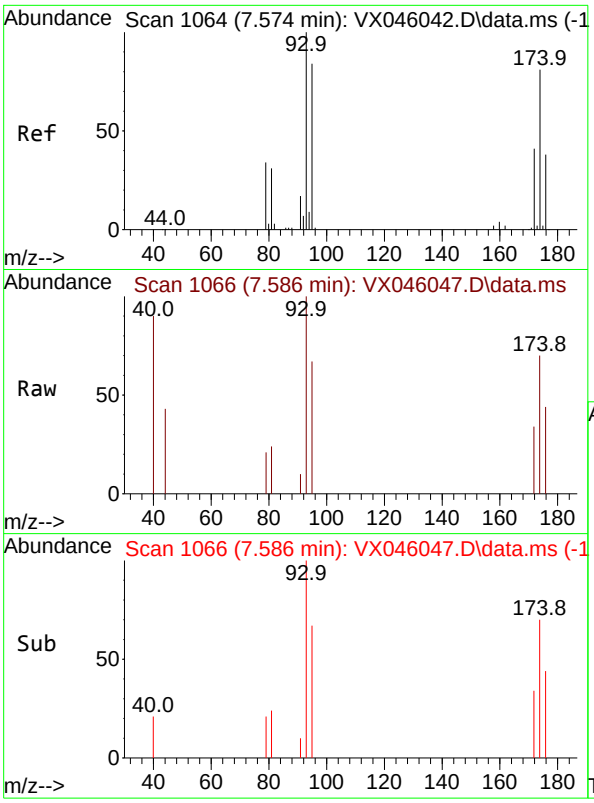


#45
1,2-Dichloropropane
Concen: 0.633 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 1059

Ion	Ratio	Lower	Upper
63	100		
65	36.1	24.1	36.1

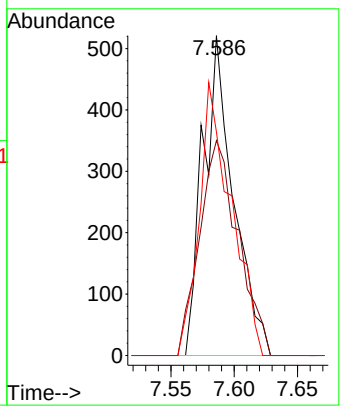




#46
Dibromomethane
Concen: 0.667 ug/l
RT: 7.586 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 93 Resp: 88

Ion	Ratio	Lower	Upper
93	100		
95	84.5	65.6	98.4
174	88.5	68.2	102.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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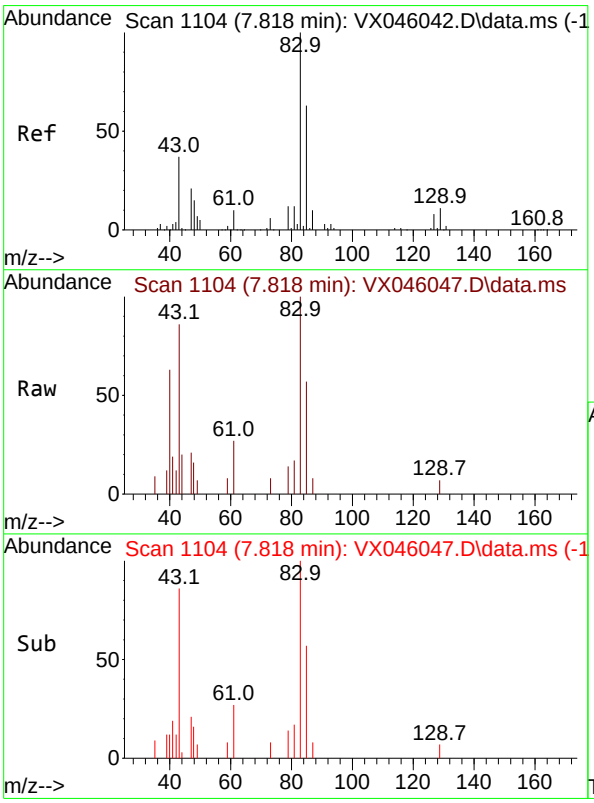
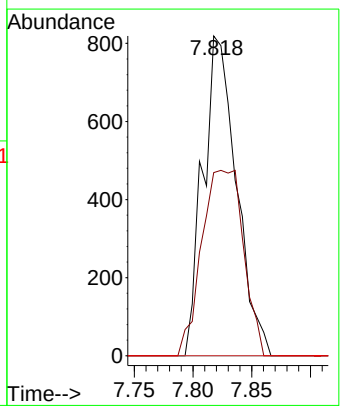
Supervised By :Mahesh Dadoda 05/06/2025

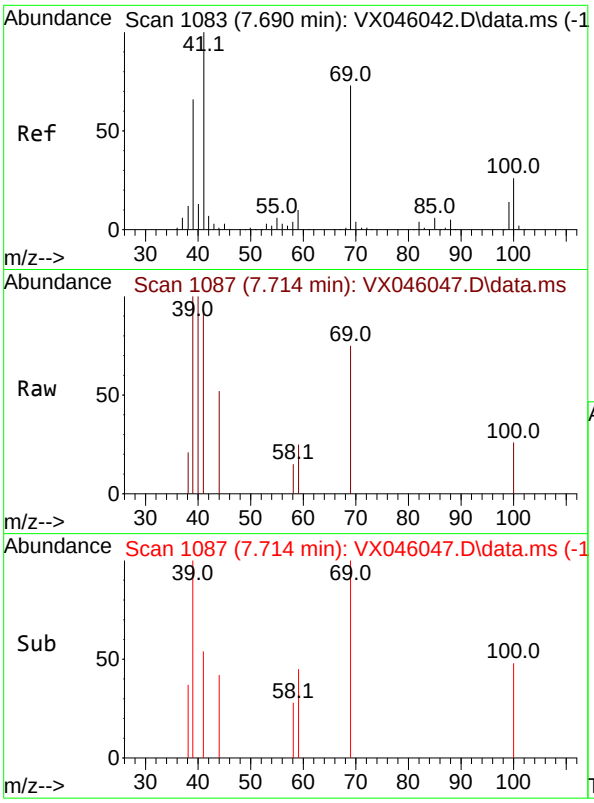


#47
Bromodichloromethane
Concen: 0.633 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 1620

Ion	Ratio	Lower	Upper
83	100		
85	57.3	50.5	75.7
127	0.0	6.5	9.7#

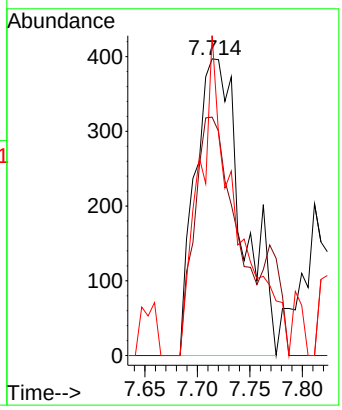




#48
Methyl methacrylate
Concen: 0.577 ug/l m
RT: 7.714 min Scan# 1
Delta R.T. 0.024 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 123

Ion	Ratio	Lower	Upper
41	100		
69	70.6	58.5	87.7
39	84.8	51.7	77.5#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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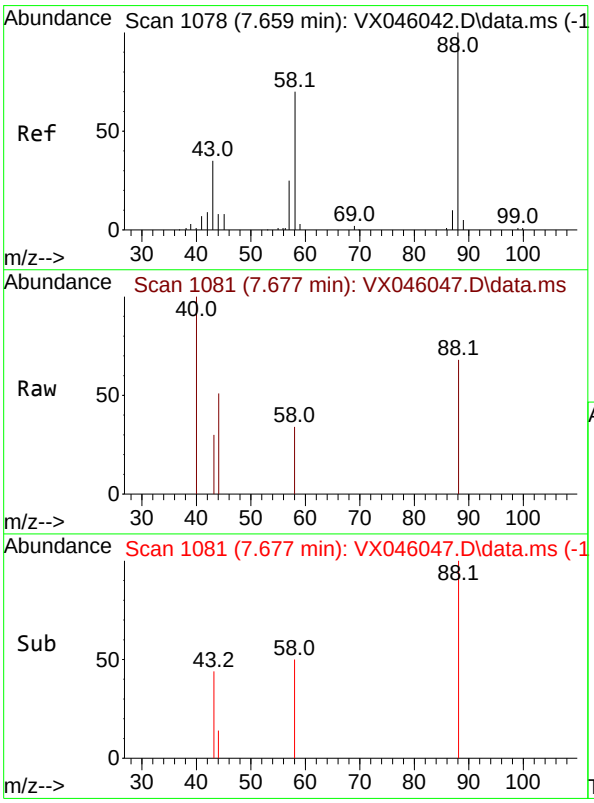
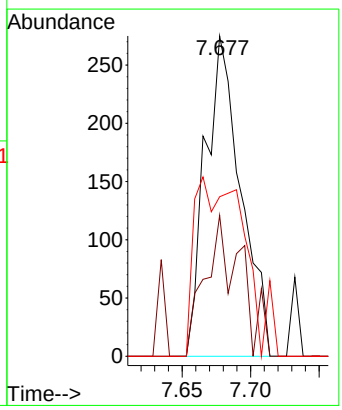
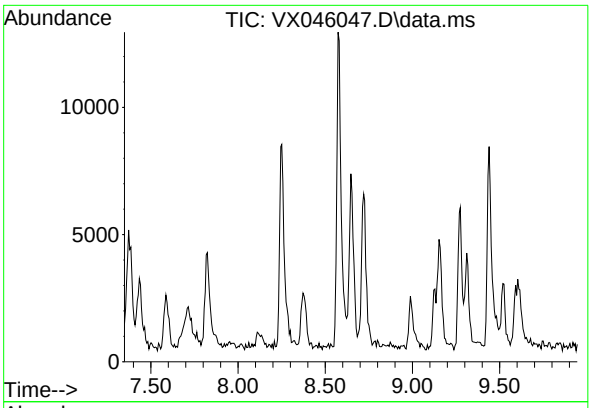


#49
1,4-Dioxane
Concen: 11.703 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 88 Resp: 498

Ion	Ratio	Lower	Upper
88	100		
43	44.4	33.4	50.2
58	30.3	58.6	88.0#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 98

Sig	Exp Ratio
98	100
100	66.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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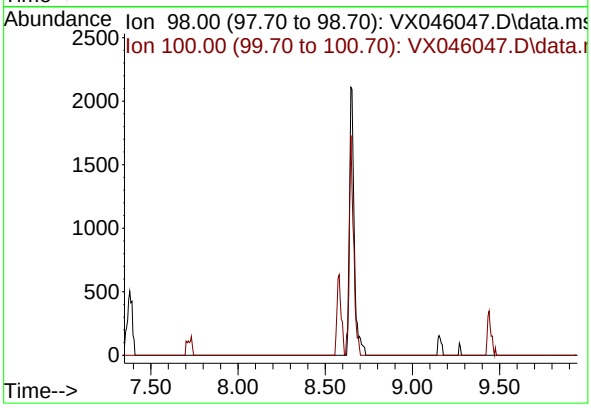
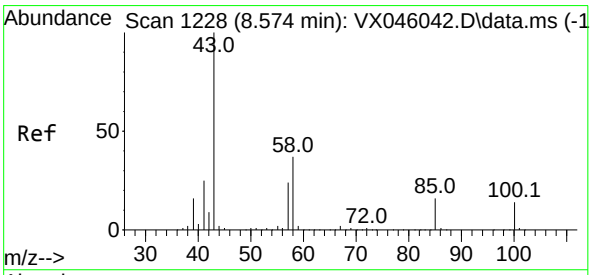
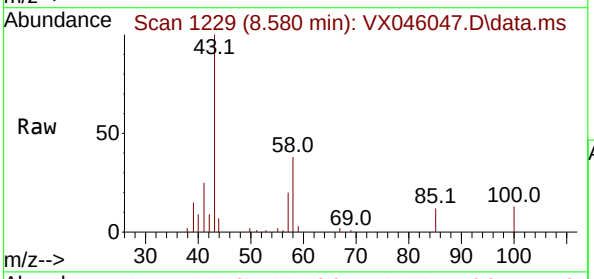


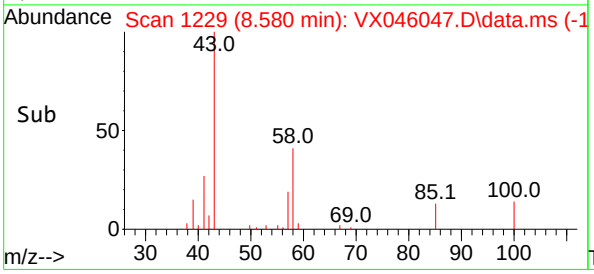


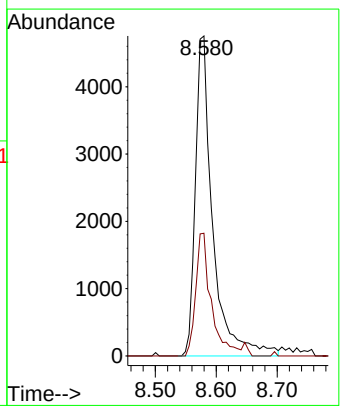
#51
4-Methyl-2-Pentanone
Concen: 3.430 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

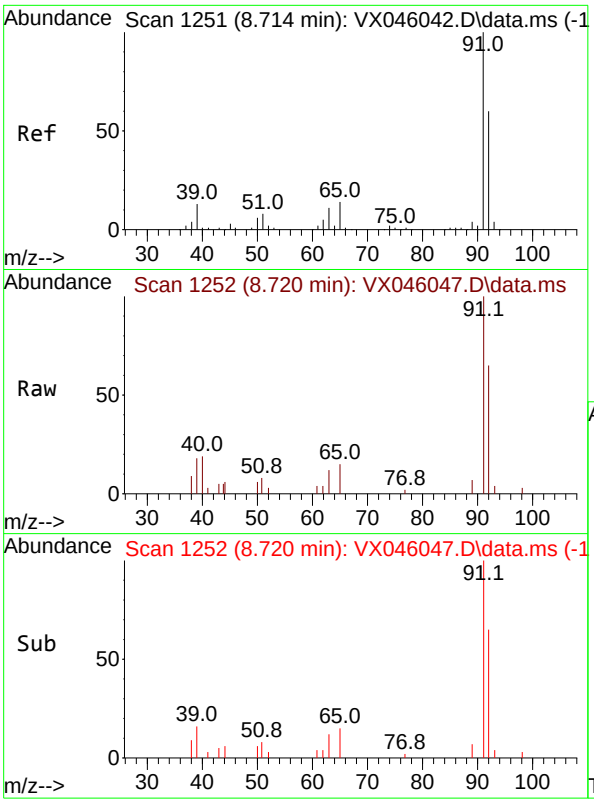
Tgt Ion: 43 Resp: 9378

Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.9	43.3





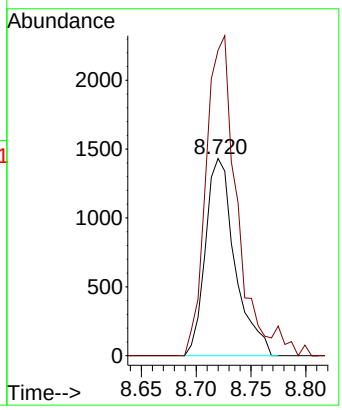




#52
Toluene
Concen: 0.672 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 92 Resp: 268

Ion	Ratio	Lower	Upper
92	100		
91	165.7	136.6	205.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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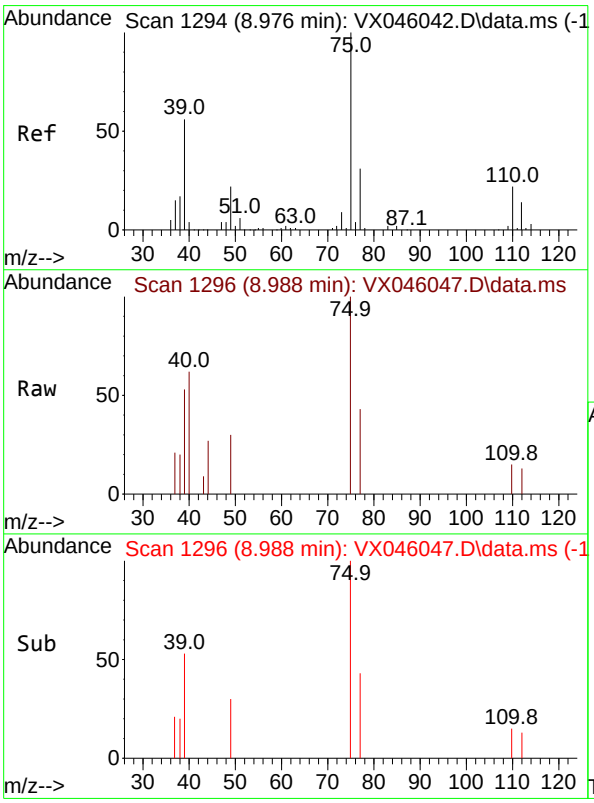
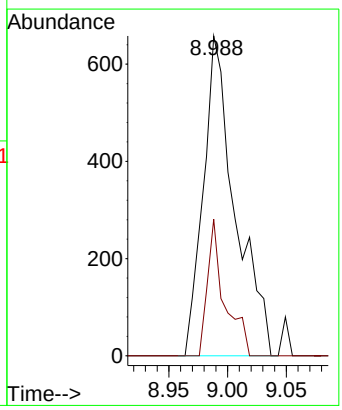
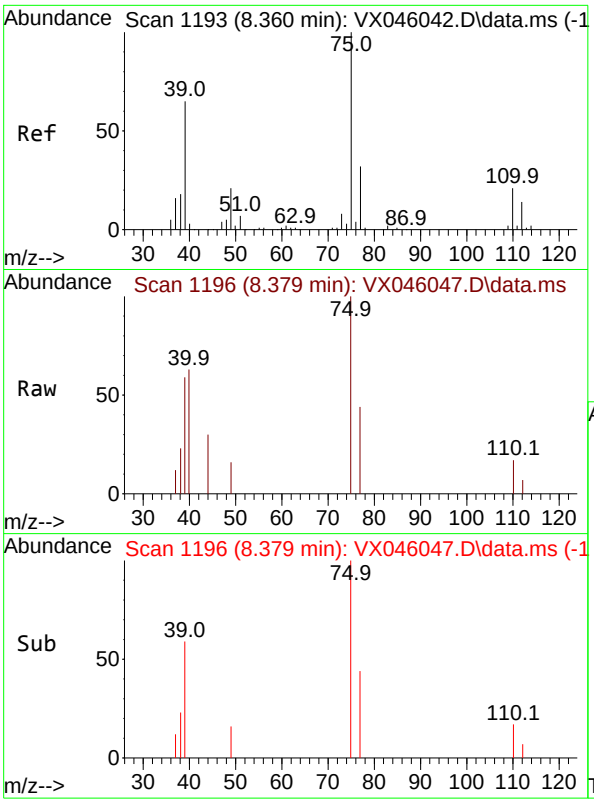


#53
t-1,3-Dichloropropene
Concen: 0.576 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 1238

Ion	Ratio	Lower	Upper
75	100		
77	42.7	25.0	37.6#

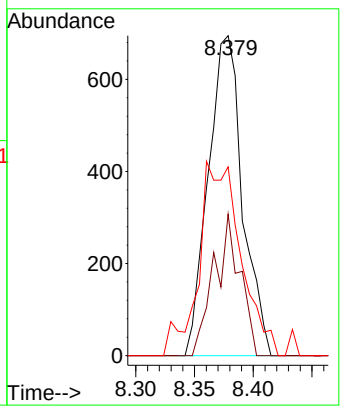




#54
cis-1,3-Dichloropropene
Concen: 0.564 ug/l
RT: 8.379 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 141

Ion	Ratio	Lower	Upper
75	100		
77	44.2	25.4	38.0
39	59.0	52.2	78.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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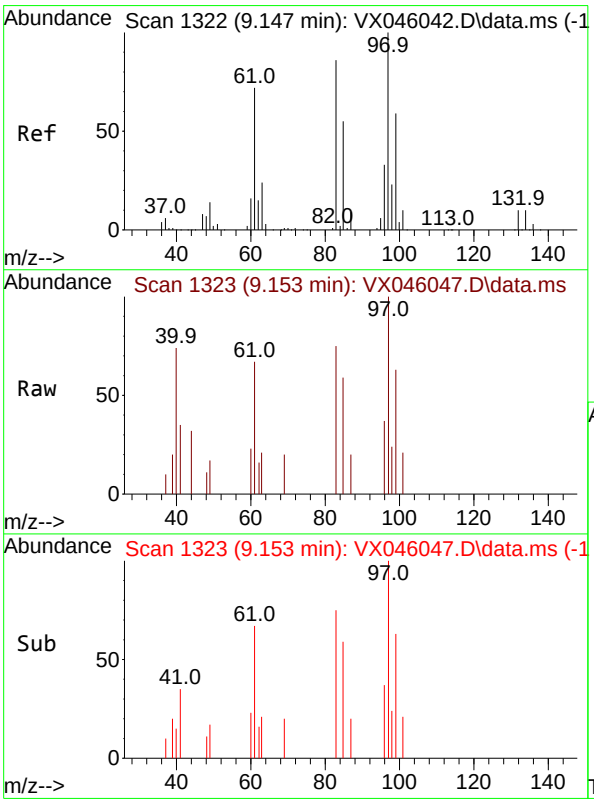
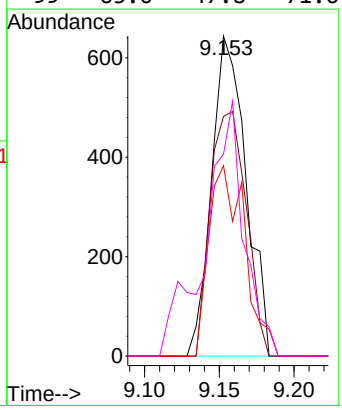
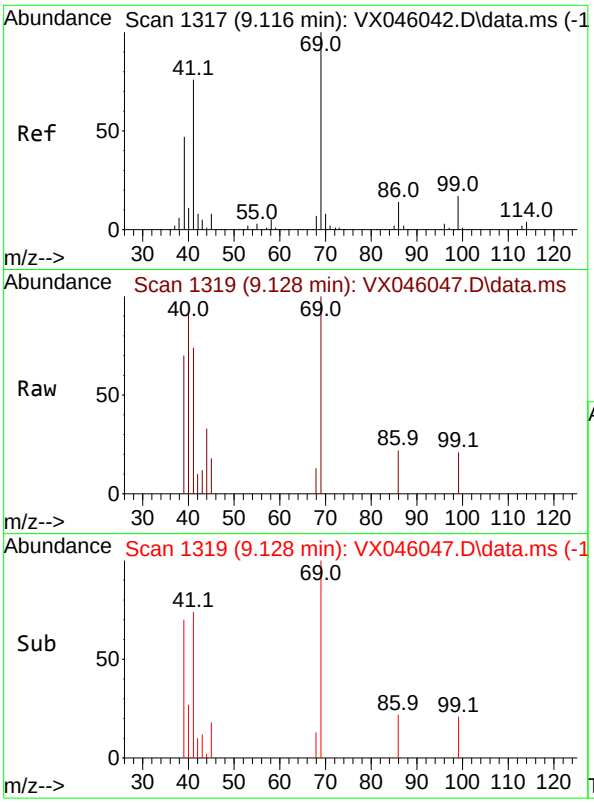


#55
1,1,2-Trichloroethane
Concen: 0.637 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 97 Resp: 1029

Ion	Ratio	Lower	Upper
97	100		
83	74.8	69.0	103.6
85	59.5	44.3	66.5
99	63.0	47.8	71.6

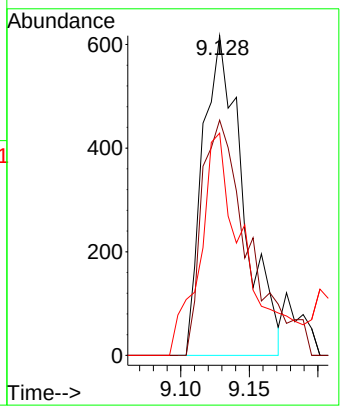




#56
Ethyl methacrylate
Concen: 0.504 ug/l
RT: 9.128 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 69 Resp: 126

Ion	Ratio	Lower	Upper
69	100		
41	86.6	60.8	91.2
39	78.0	39.0	58.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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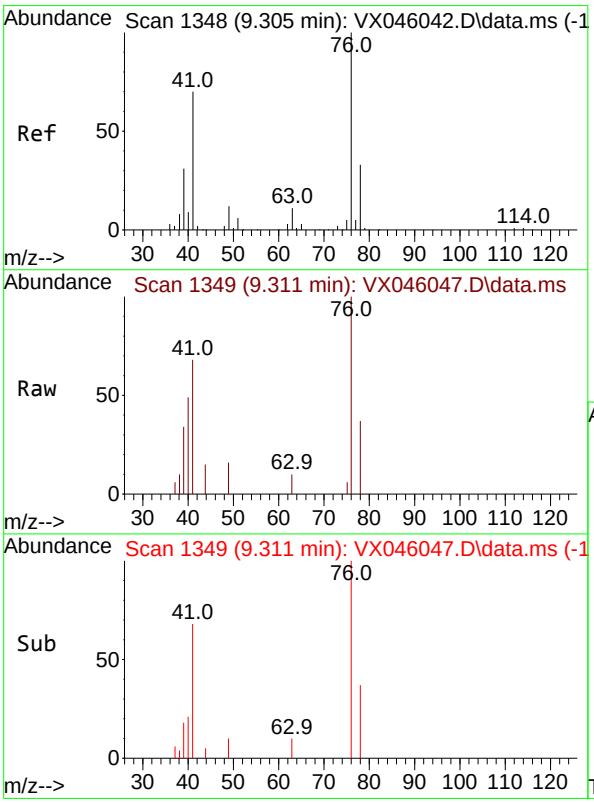
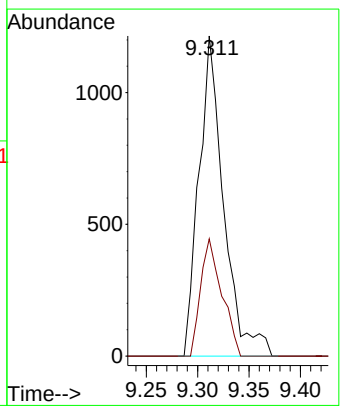
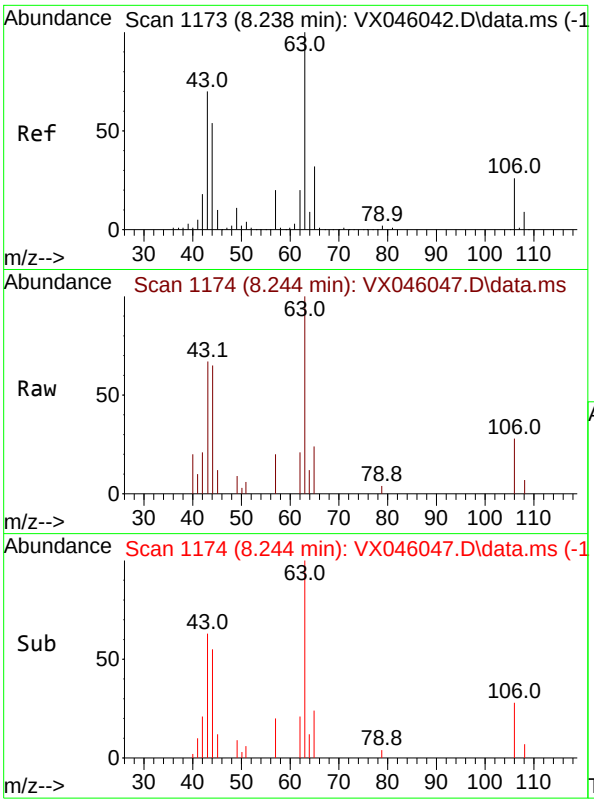


#57
1,3-Dichloropropane
Concen: 0.711 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 76 Resp: 2036

Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.3	39.5





#58
2-Chloroethyl Vinyl ether
Concen: 3.420 ug/l
RT: 8.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 384

Ion	Ratio	Lower	Upper
63	100		
106	24.0	21.5	32.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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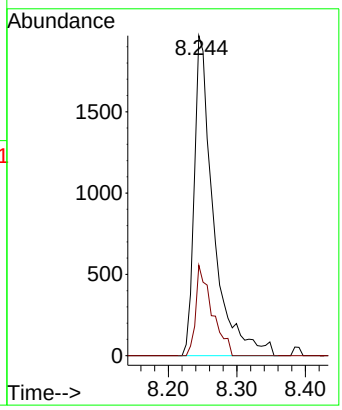
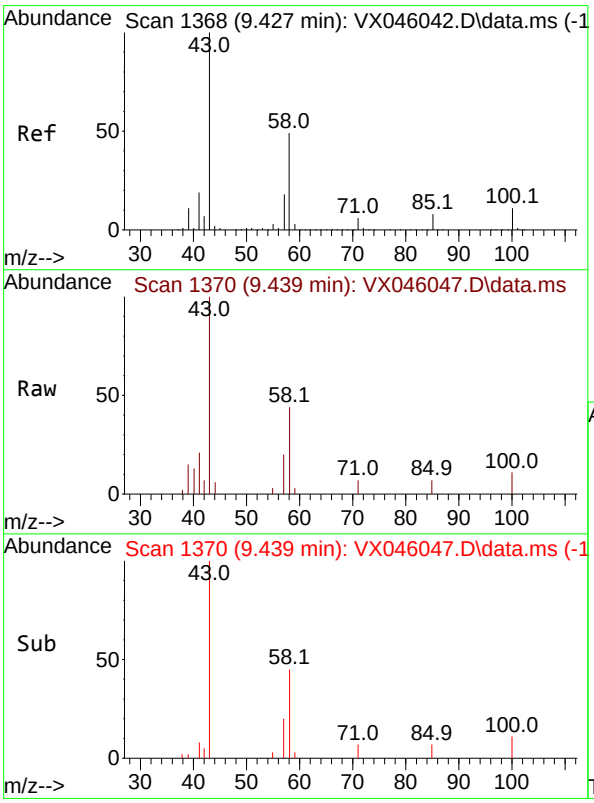
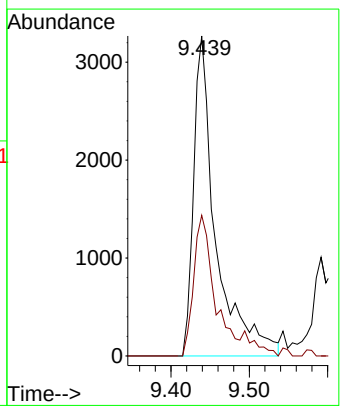


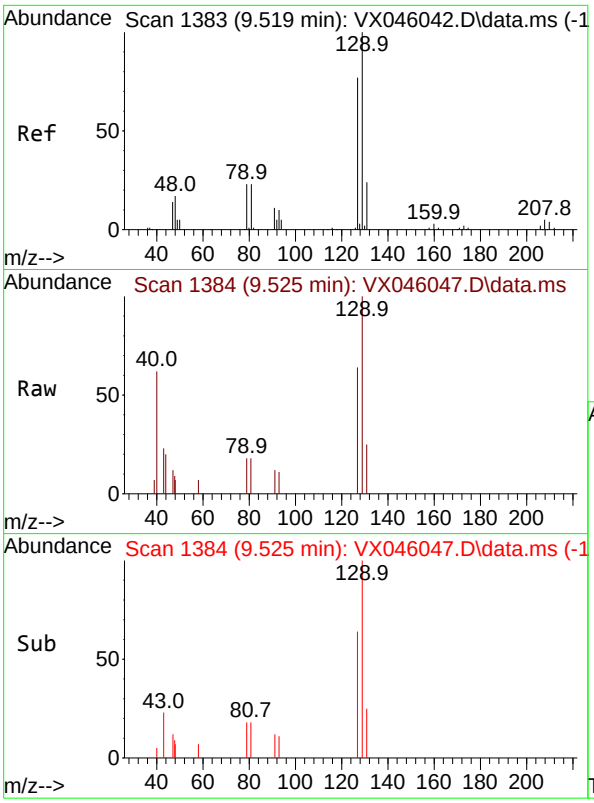


#59
2-Hexanone
Concen: 3.096 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 6424

Ion	Ratio	Lower	Upper
43	100		
58	41.6	24.9	74.6

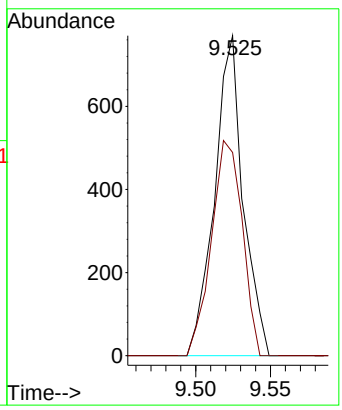




#60
Dibromochloromethane
Concen: 0.582 ug/l
RT: 9.525 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:129 Resp: 102

Ion	Ratio	Lower	Upper
129	100		
127	72.5	39.3	117.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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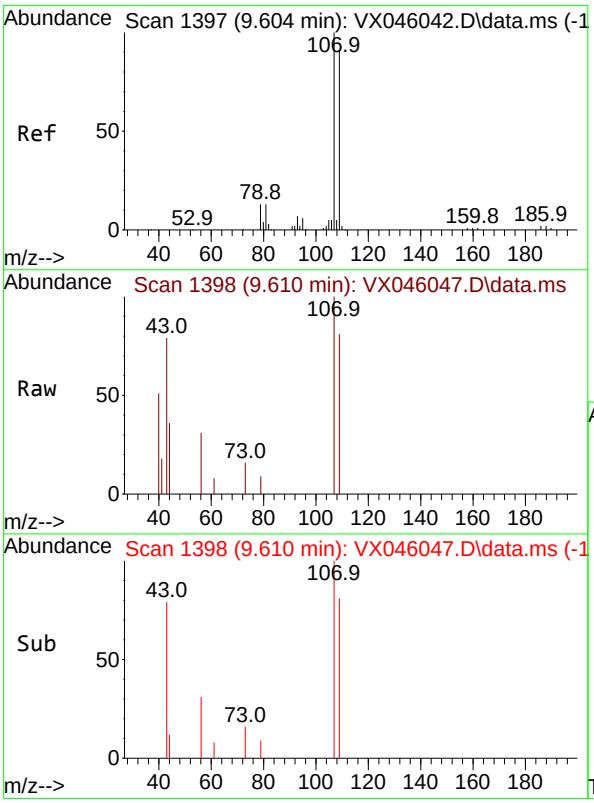
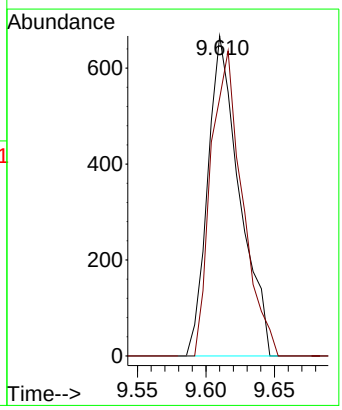
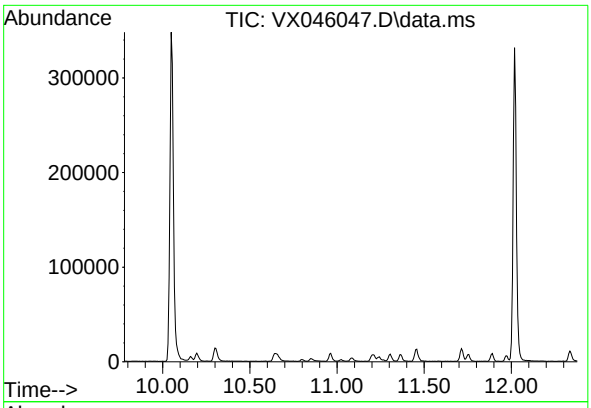


#61
1,2-Dibromoethane
Concen: 0.650 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:107 Resp: 1077

Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.3	109.9





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 95

Sig	Exp Ratio
95	100
174	67.9
176	65.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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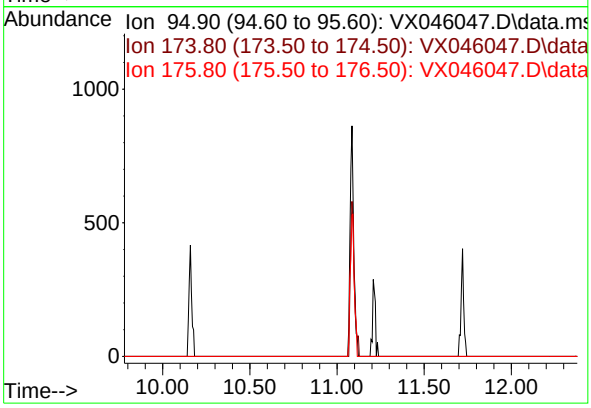
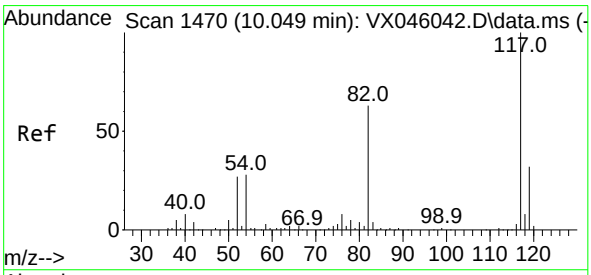
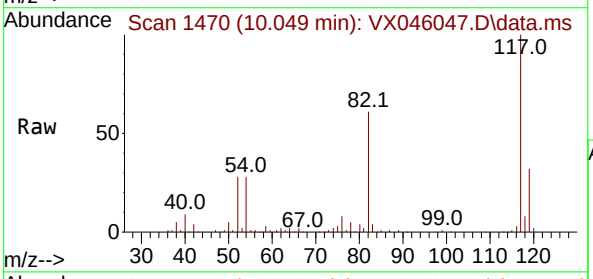


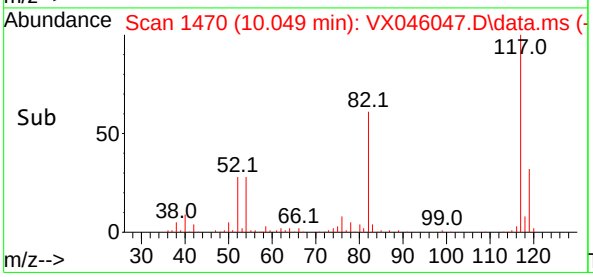


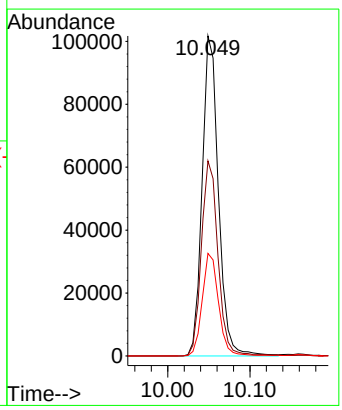
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

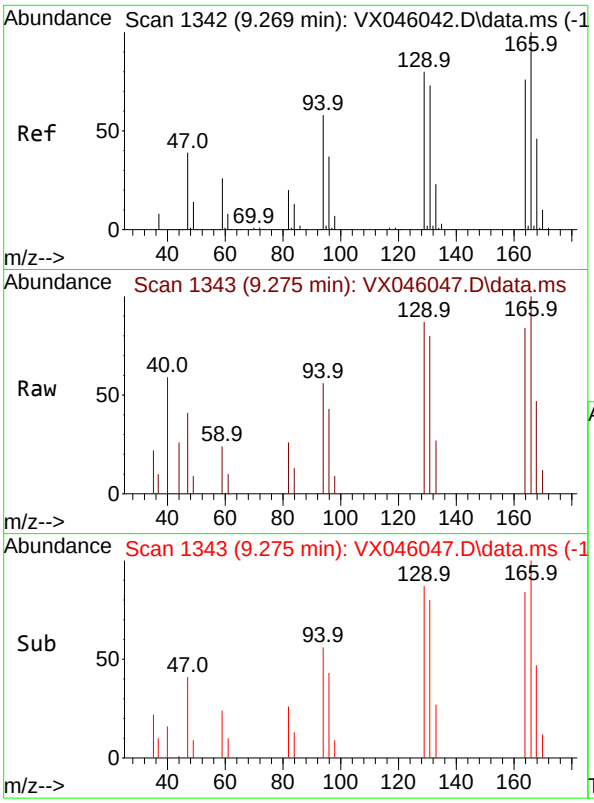
Tgt Ion:117 Resp: 140108

Ion	Ratio	Lower	Upper
117	100		
82	61.0	50.6	76.0
119	32.1	25.8	38.6





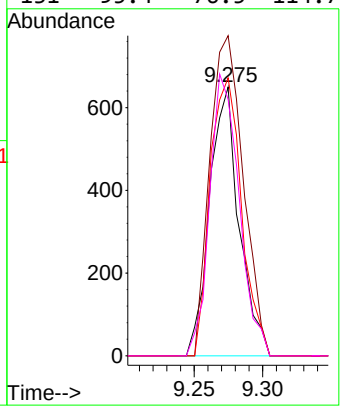




#64
Tetrachloroethene
Concen: 0.679 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:164 Resp: 97

Ion	Ratio	Lower	Upper
164	100		
166	119.1	105.0	157.6
129	103.4	83.5	125.3
131	95.4	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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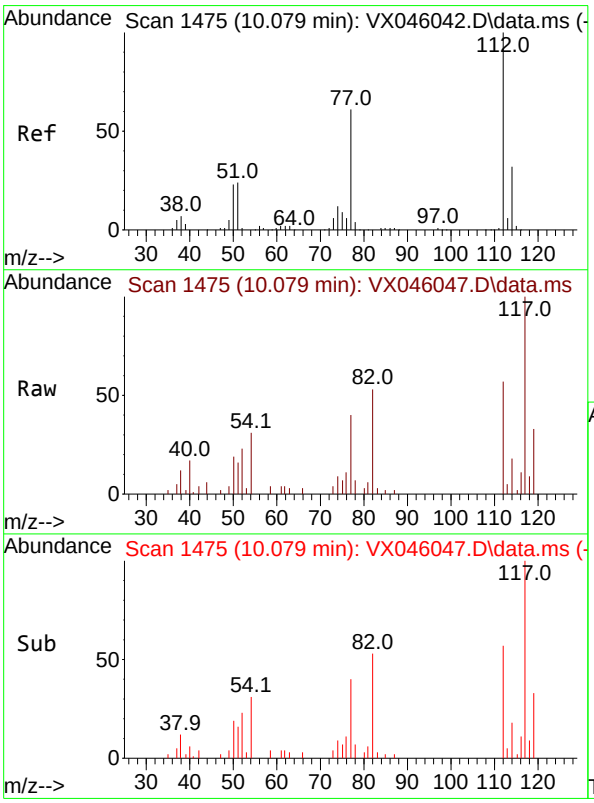
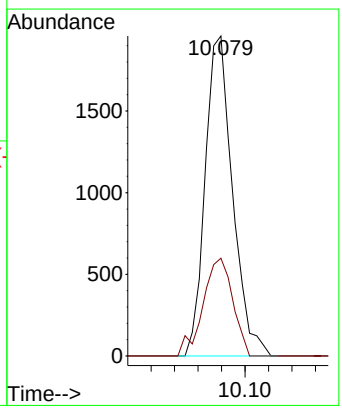
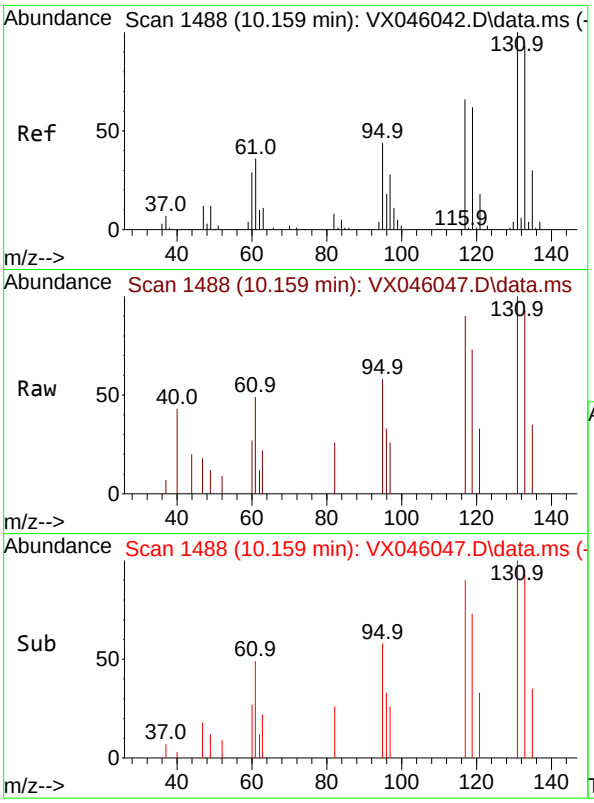


#65
Chlorobenzene
Concen: 0.735 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:112 Resp: 3170

Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.4	38.2





#66
1,1,1,2-Tetrachloroethane
Concen: 0.720 ug/l
RT: 10.159 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:131 Resp: 103

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	0.0	31.6	95.0#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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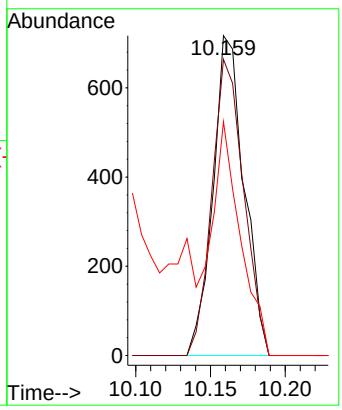
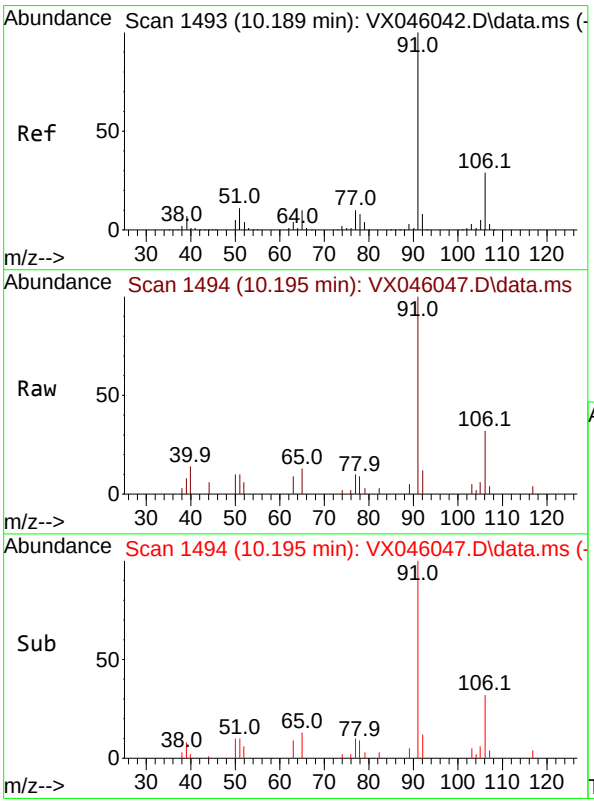
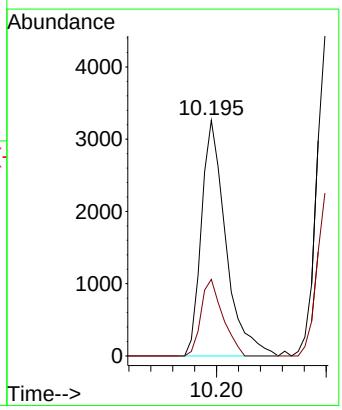


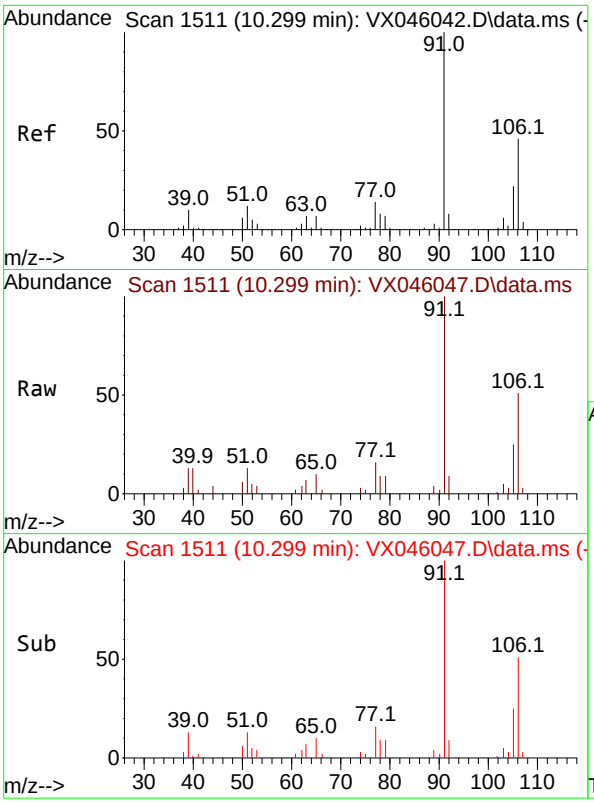


#67
Ethyl Benzene
Concen: 0.687 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 5052

Ion	Ratio	Lower	Upper
91	100		
106	32.5	23.4	35.2

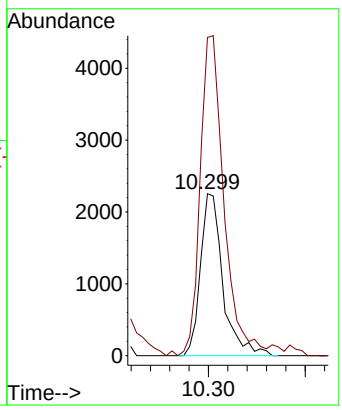




#68
m/p-Xylenes
Concen: 1.367 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:106 Resp: 363

Ion	Ratio	Lower	Upper
106	100		
91	209.8	171.2	256.8



Instrument :
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ClientSampleId :
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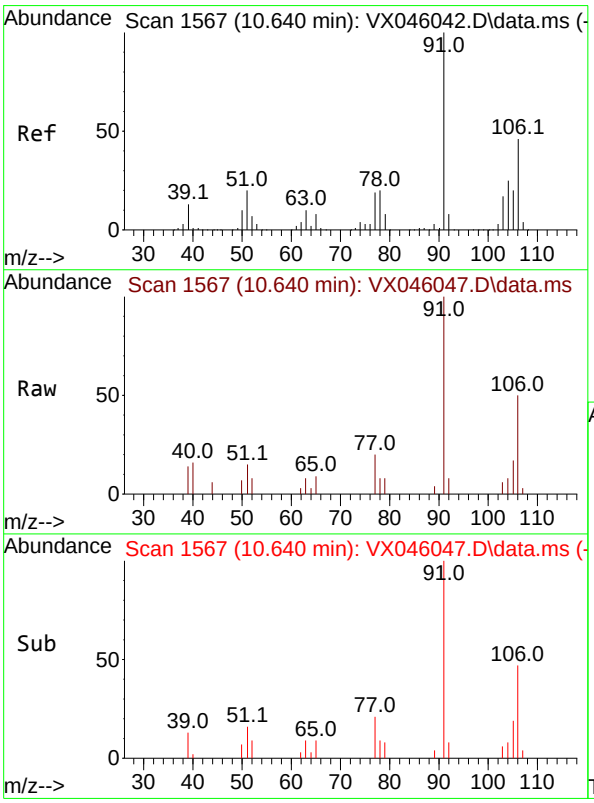
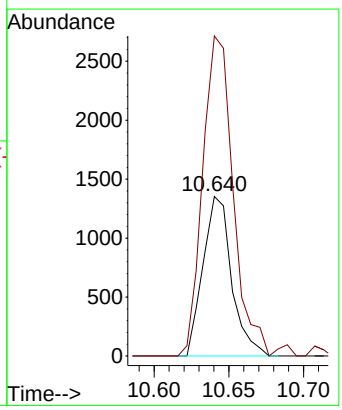
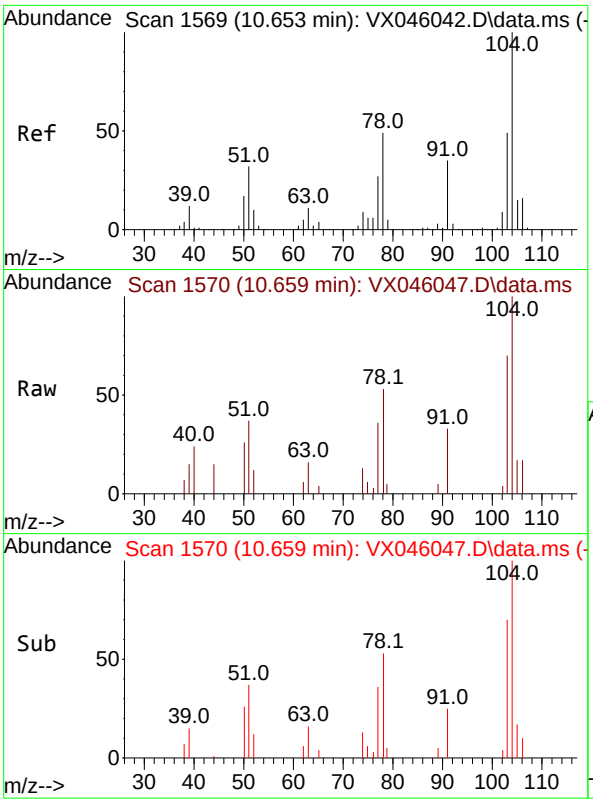


#69
o-Xylene
Concen: 0.672 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:106 Resp: 1799

Ion	Ratio	Lower	Upper
106	100		
91	214.9	112.7	338.1

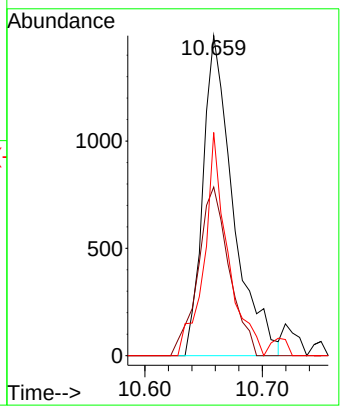




#70
Styrene
Concen: 0.622 ug/l
RT: 10.659 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:104 Resp: 266

Ion	Ratio	Lower	Upper
104	100		
78	54.3	45.7	68.5
103	53.9	43.7	65.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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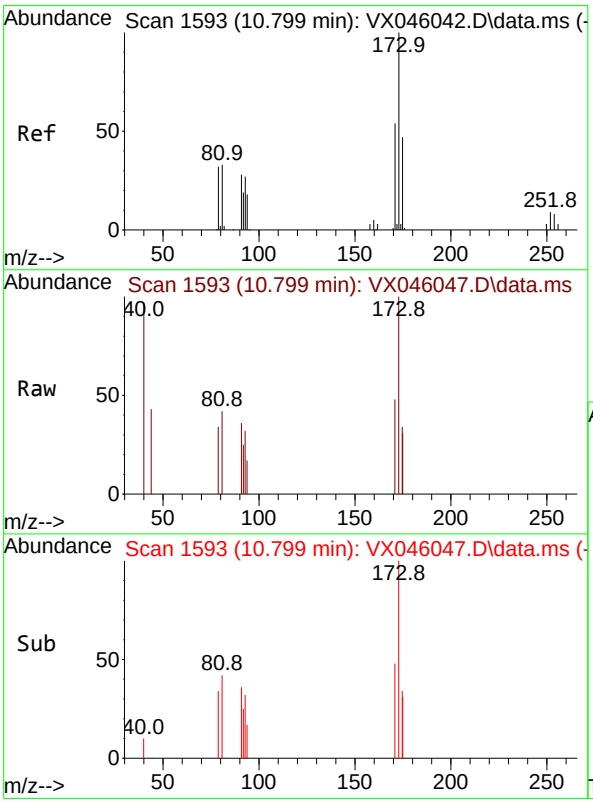
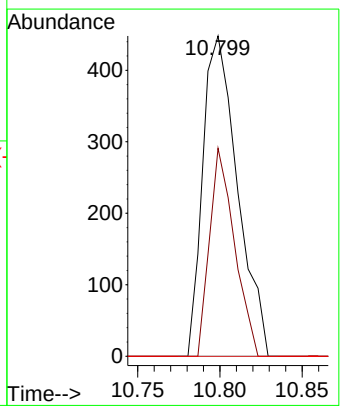
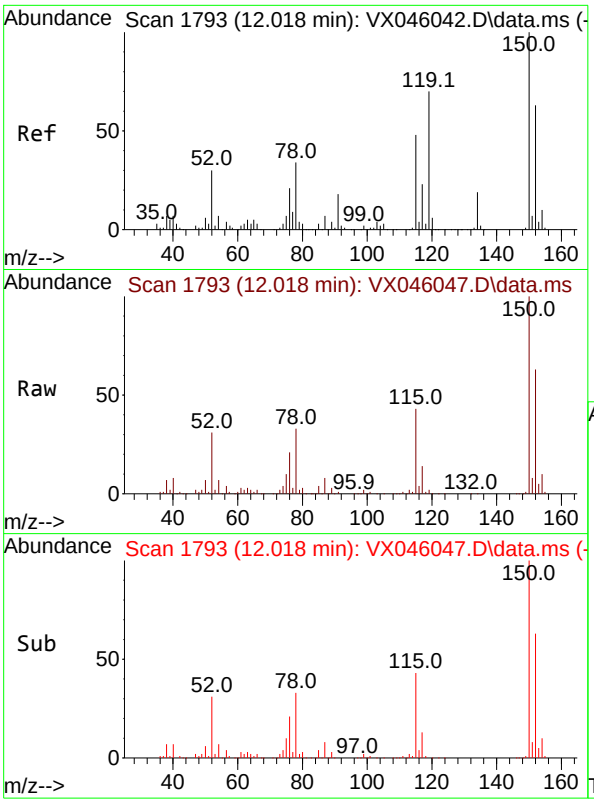


#71
Bromoform
Concen: 0.608 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:173 Resp: 657

Ion	Ratio	Lower	Upper
173	100		
175	46.6	23.4	70.0
254	0.0	0.0	0.0

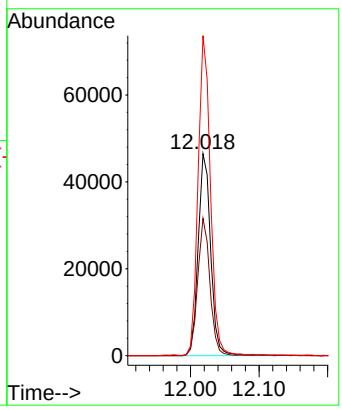




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:152 Resp: 5912

Ion	Ratio	Lower	Upper
152	100		
115	66.6	46.9	140.7
150	156.3	0.0	351.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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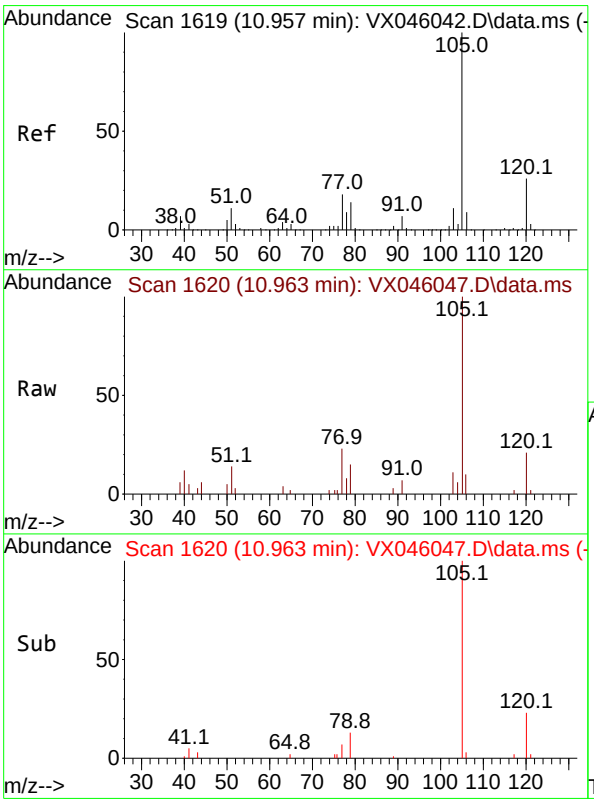
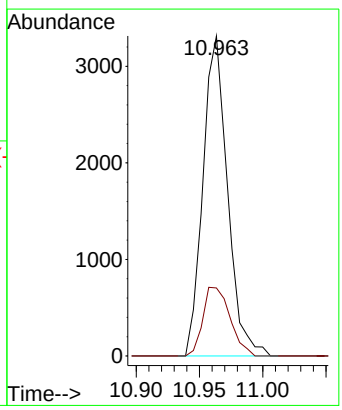
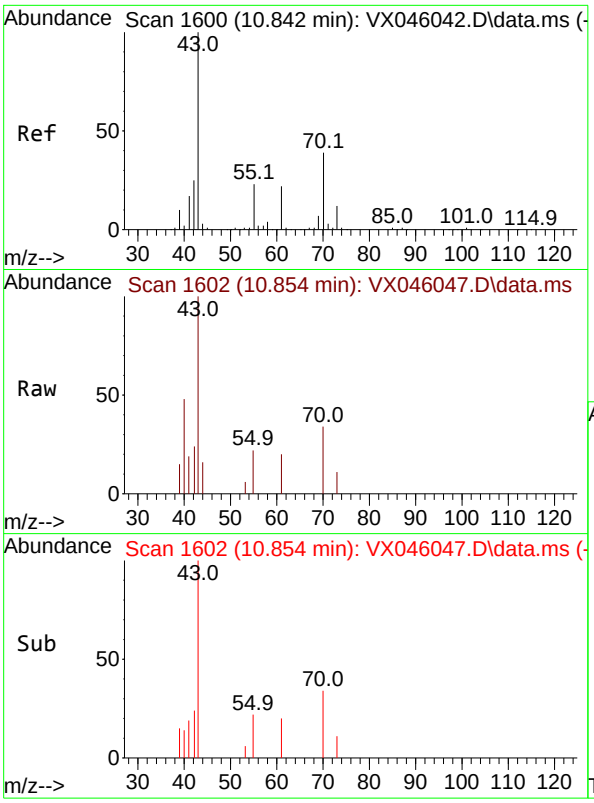


#73
Isopropylbenzene
Concen: 0.695 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 4480

Ion	Ratio	Lower	Upper
105	100		
120	23.7	12.8	38.4

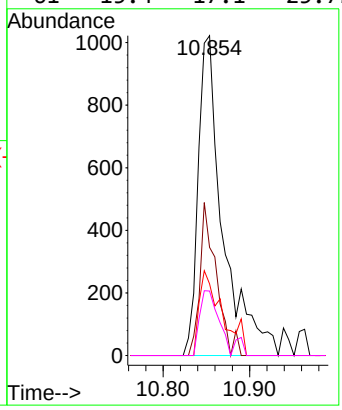




#74
N-amyl acetate
Concen: 0.631 ug/l
RT: 10.854 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 202

Ion	Ratio	Lower	Upper
43	100		
70	31.5	30.9	46.3
55	24.5	18.7	28.1
61	15.4	17.1	25.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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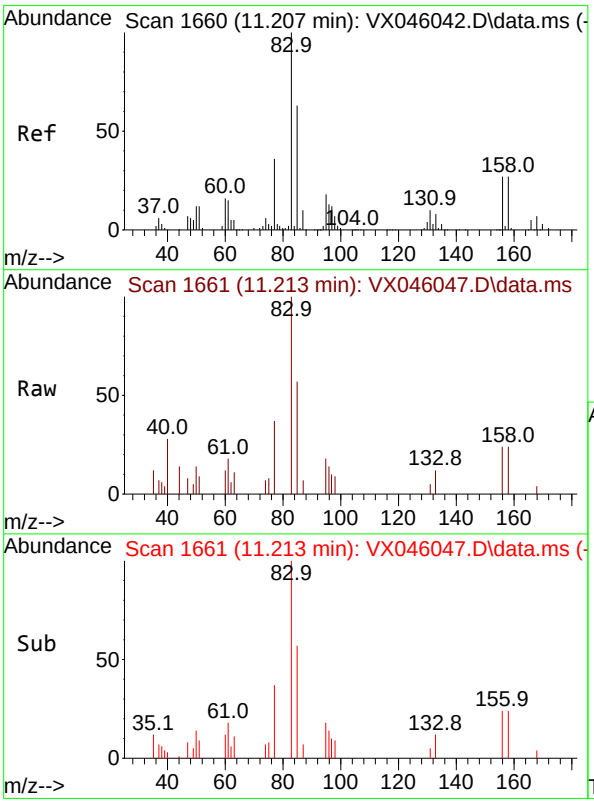
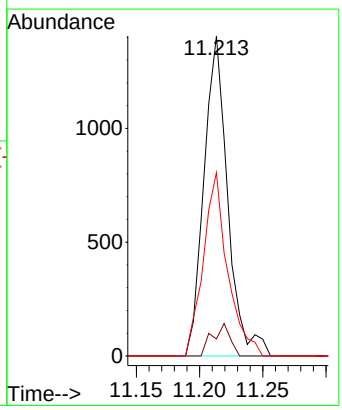
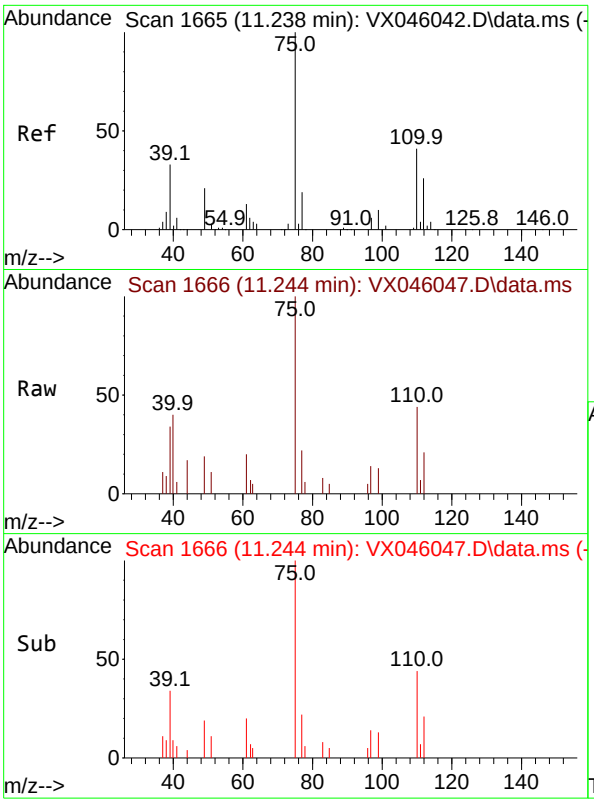


#75
1,1,2,2-Tetrachloroethane
Concen: 0.800 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 1835

Ion	Ratio	Lower	Upper
83	100		
131	7.5	5.0	14.9
85	58.7	31.9	95.7





#76
1,2,3-Trichloropropane
Concen: 0.674 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 166

Ion	Ratio	Lower	Upper
75	100		
77	29.7	20.5	61.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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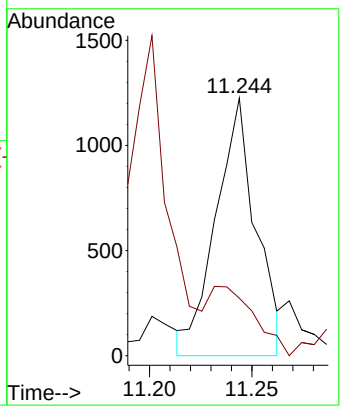
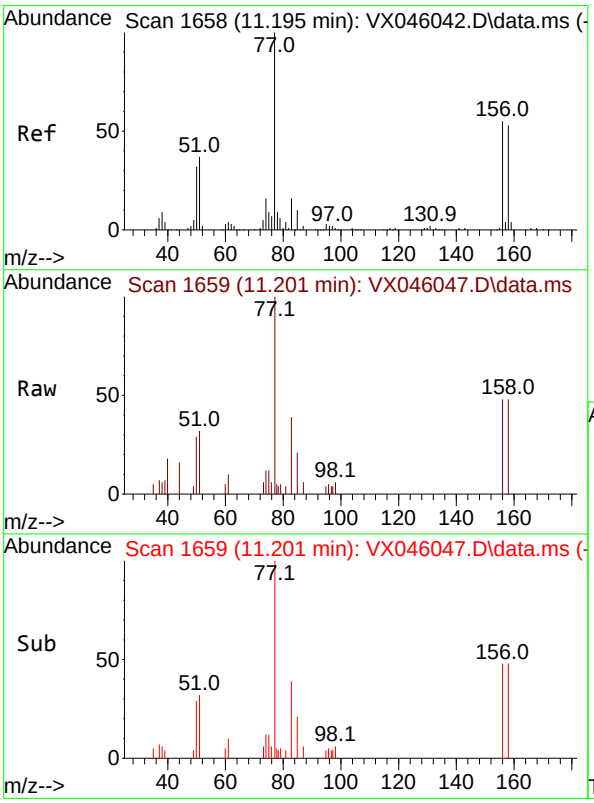
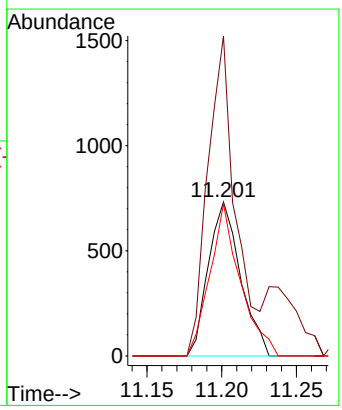


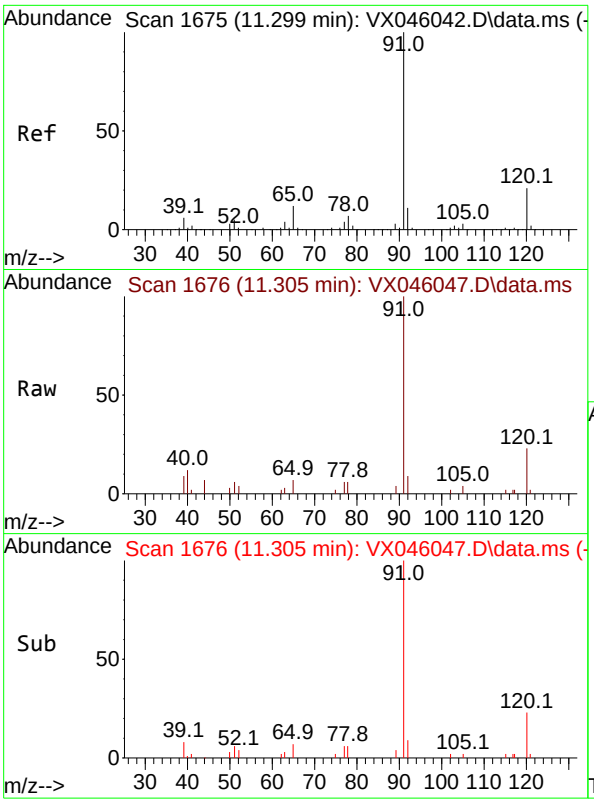


#77
Bromobenzene
Concen: 0.734 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:156 Resp: 1095

Ion	Ratio	Lower	Upper
156	100		
77	179.5	92.8	278.3
158	93.5	48.8	146.3

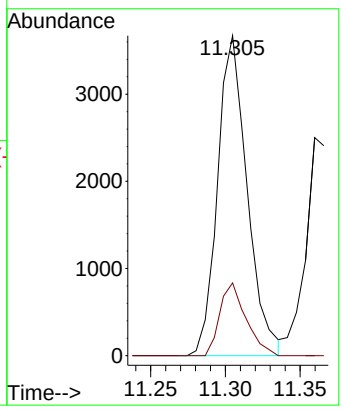




#78
n-propylbenzene
Concen: 0.699 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 505

Ion	Ratio	Lower	Upper
91	100		
120	20.1	10.8	32.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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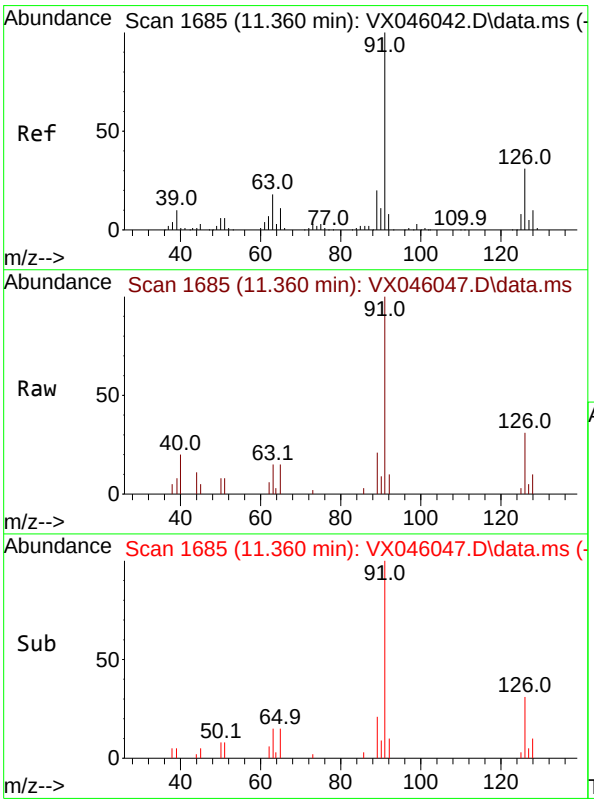
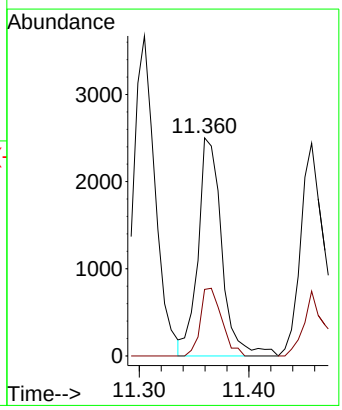
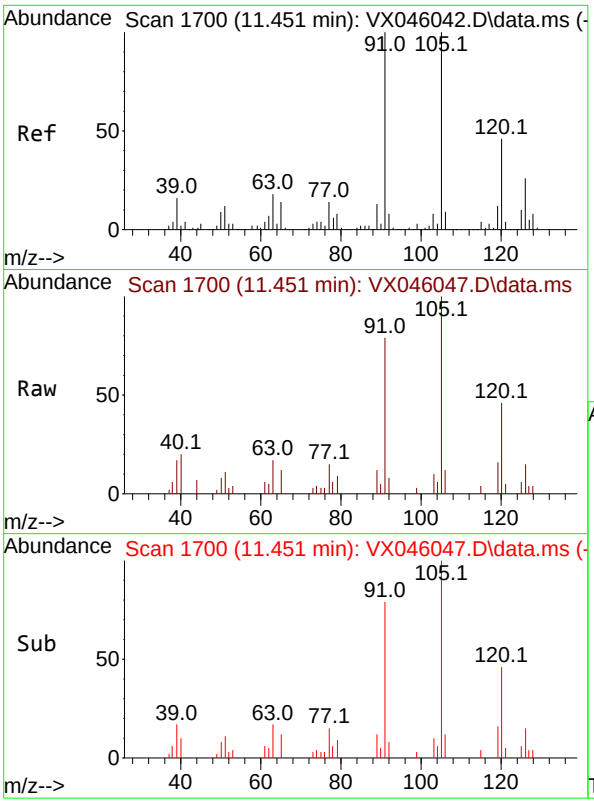


#79
2-Chlorotoluene
Concen: 0.773 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 3765

Ion	Ratio	Lower	Upper
91	100		
126	28.0	15.6	46.7





#80
1,3,5-Trimethylbenzene
Concen: 0.671 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 359

Ion	Ratio	Lower	Upper
105	100		
120	43.4	23.1	69.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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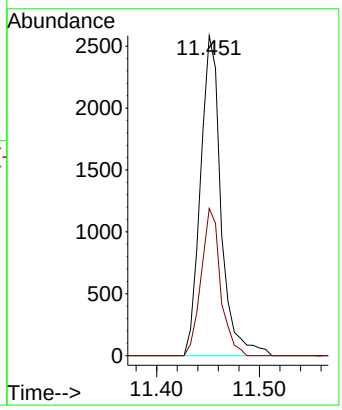
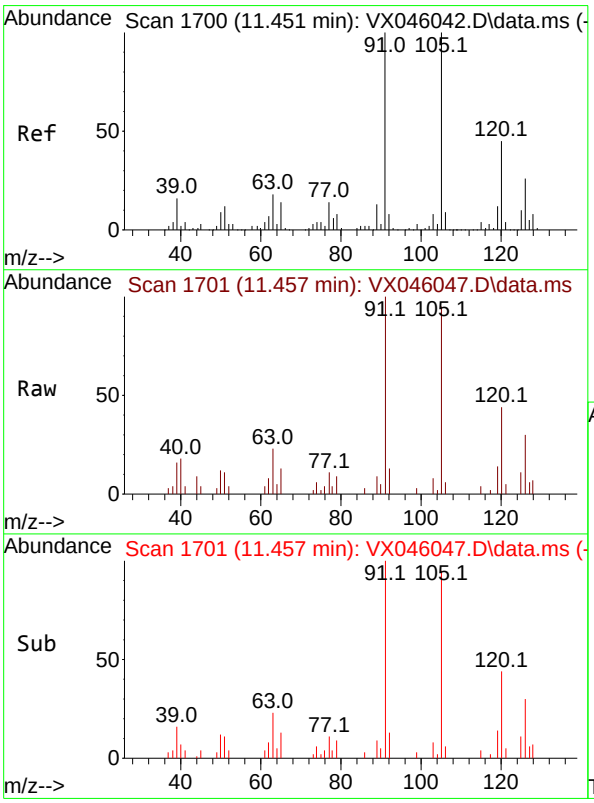
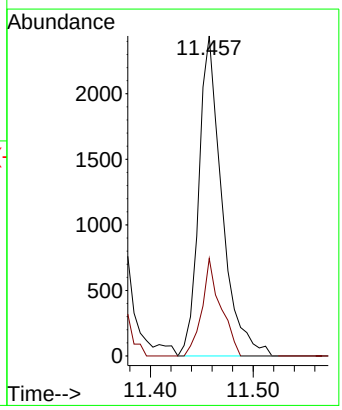


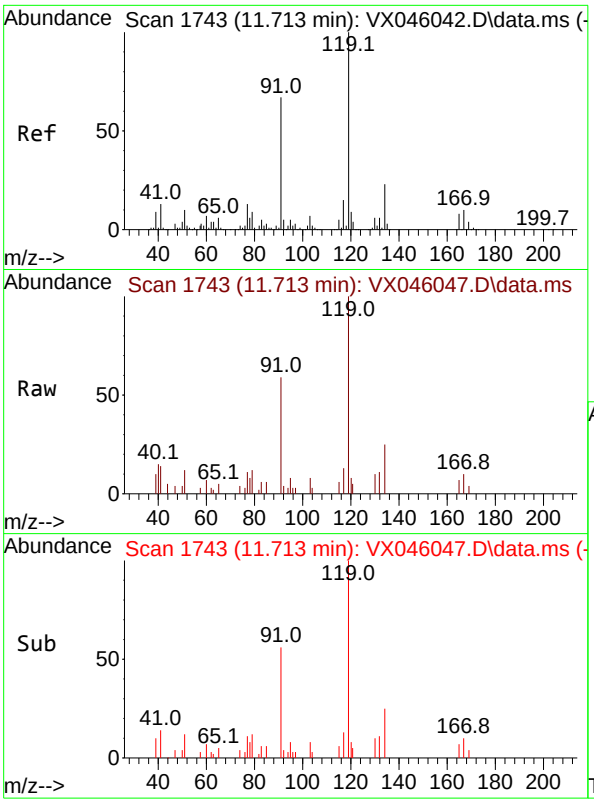


#82
4-Chlorotoluene
Concen: 0.713 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 3815

Ion	Ratio	Lower	Upper
91	100		
126	24.8	13.3	39.8

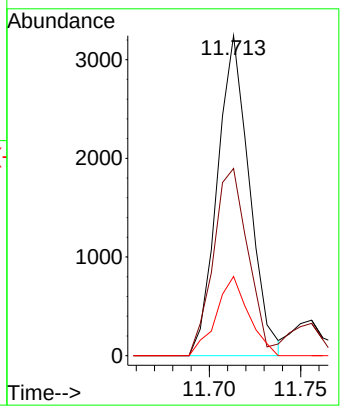




#83
tert-Butylbenzene
Concen: 0.751 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:119 Resp: 395

Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.9	98.7
134	25.2	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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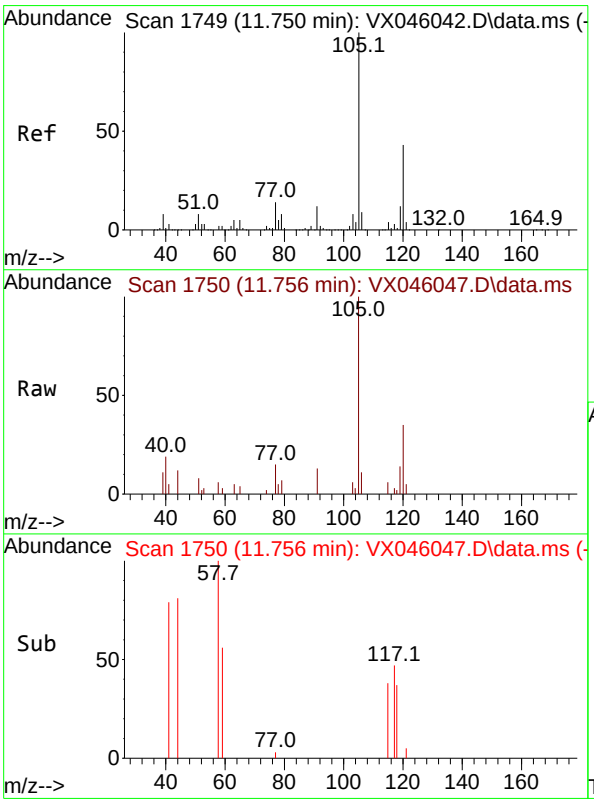
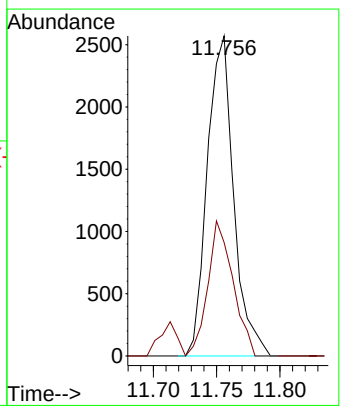
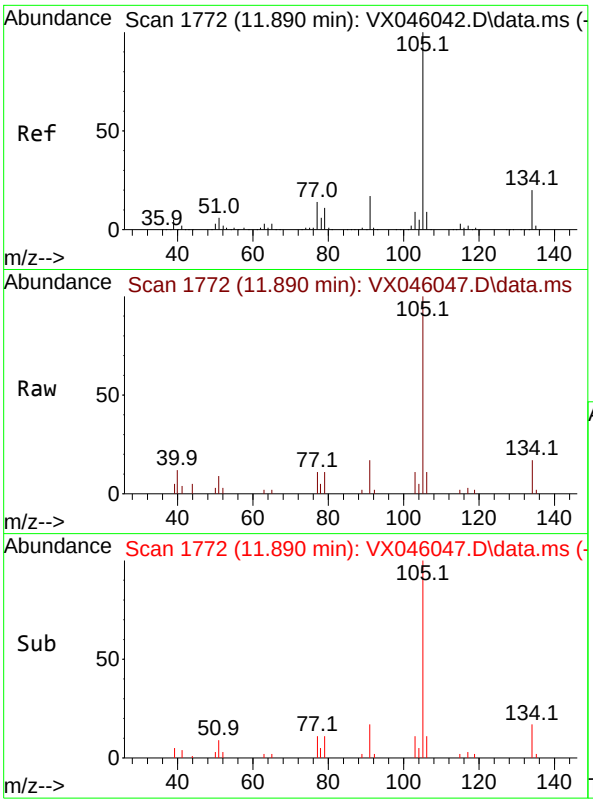


#84
1,2,4-Trimethylbenzene
Concen: 0.697 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 3725

Ion	Ratio	Lower	Upper
105	100		
120	40.3	21.2	63.6

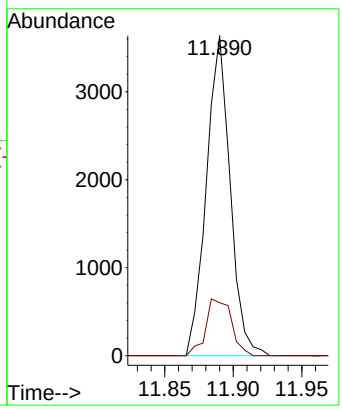




#85
sec-Butylbenzene
Concen: 0.672 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 438

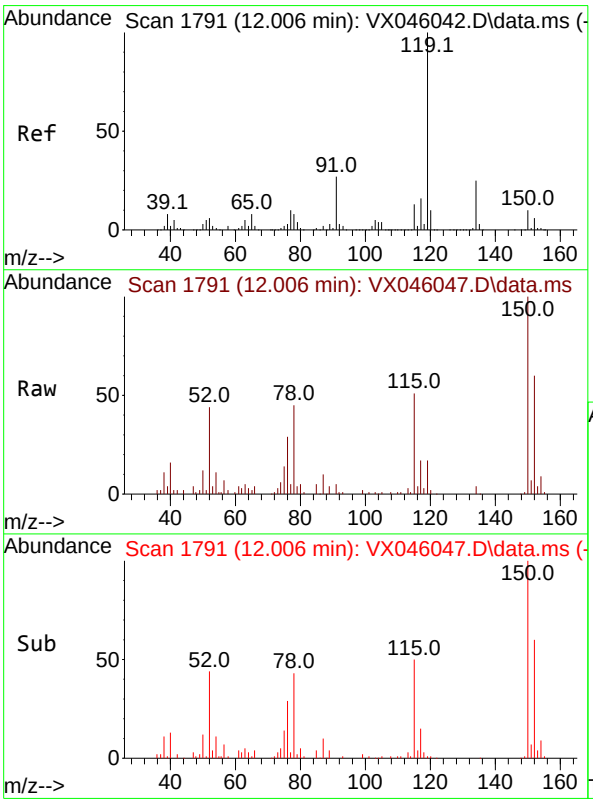
Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

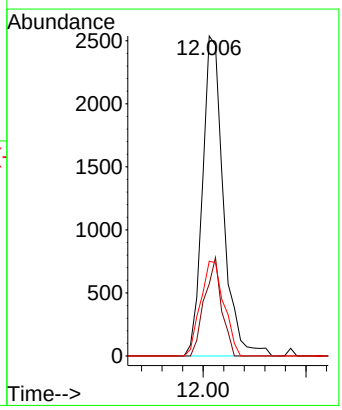
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

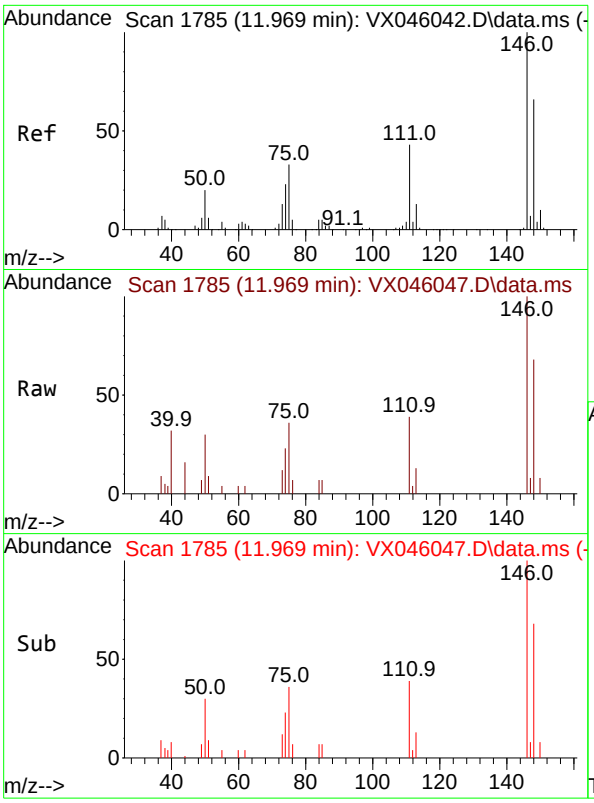


#86
p-Isopropyltoluene
Concen: 0.679 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:119 Resp: 3577

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	33.1	13.8	41.4

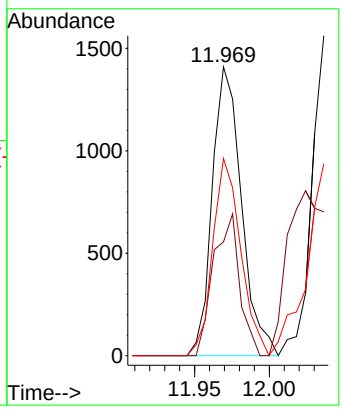




#87
1,3-Dichlorobenzene
Concen: 0.689 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:146 Resp: 191

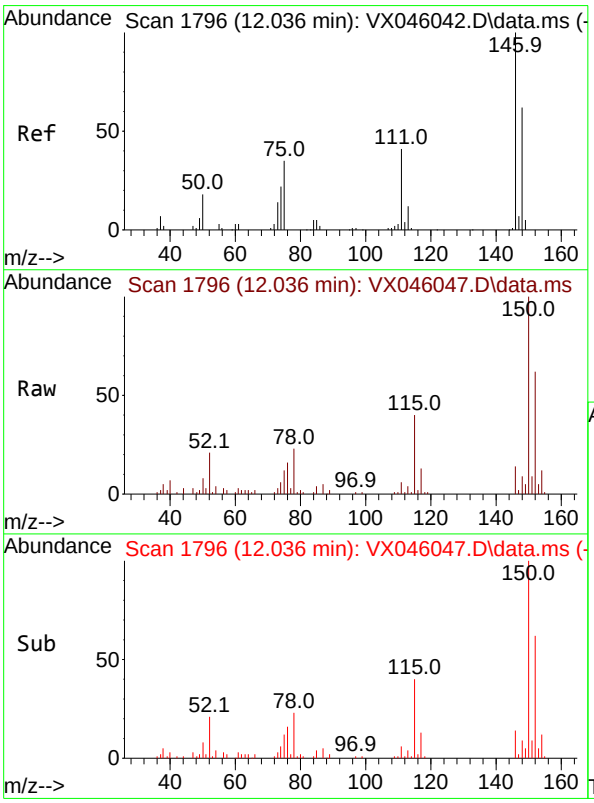
Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.1	66.3
148	65.3	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

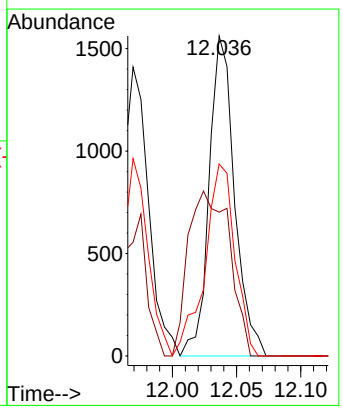
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

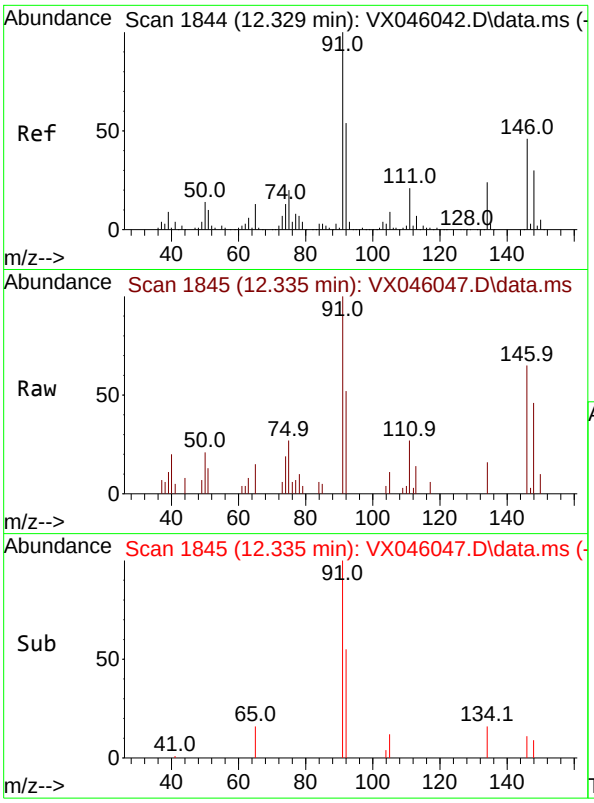


#88
1,4-Dichlorobenzene
Concen: 0.789 ug/l m
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:146 Resp: 2149

Ion	Ratio	Lower	Upper
146	100		
111	39.1	21.3	63.9
148	58.2	31.9	95.5

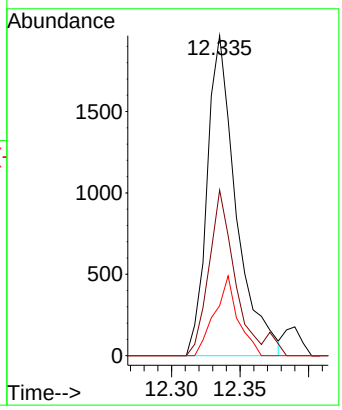




#89
n-Butylbenzene
Concen: 0.631 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 288

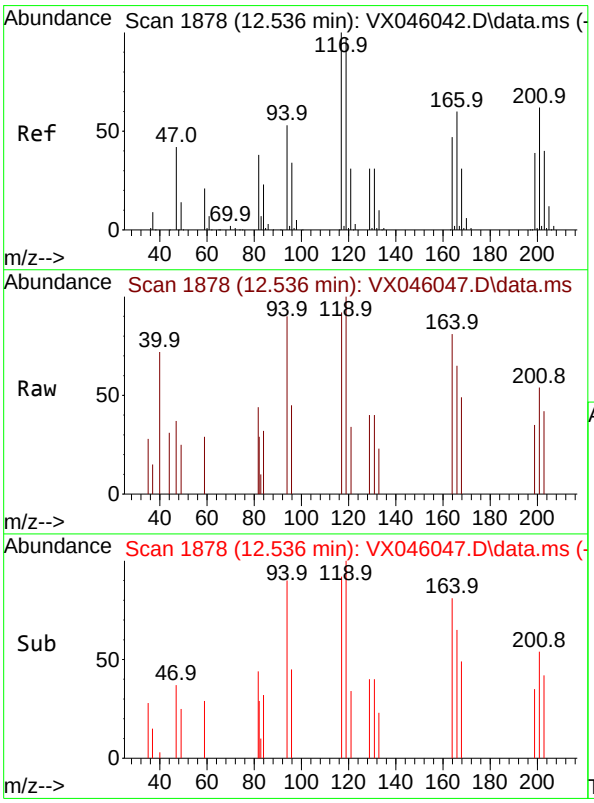
Ion	Ratio	Lower	Upper
91	100		
92	48.1	26.9	80.7
134	20.1	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

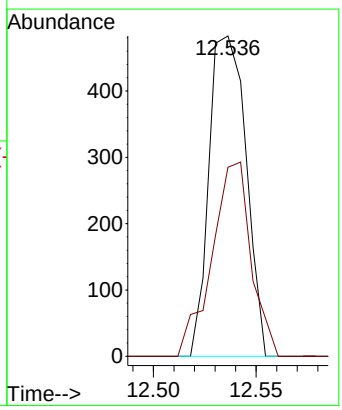
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

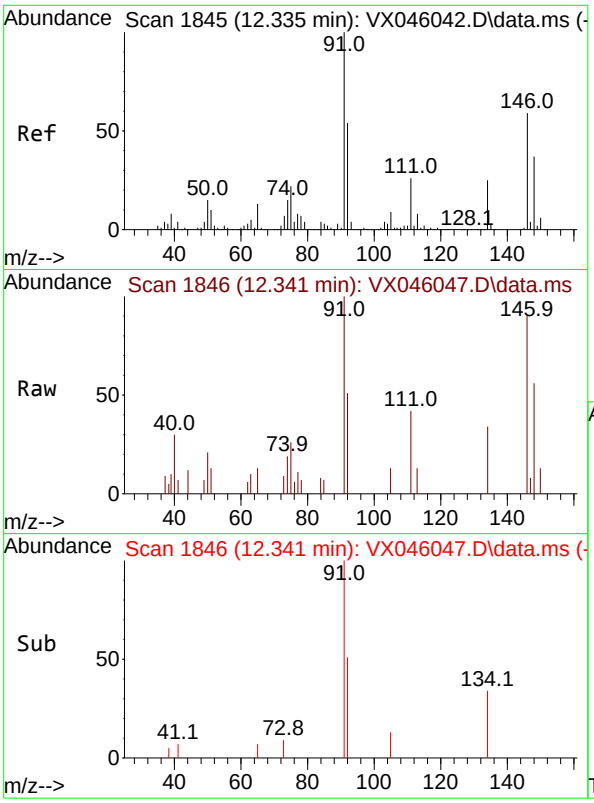


#90
Hexachloroethane
Concen: 0.616 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:117 Resp: 604

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.6	94.7

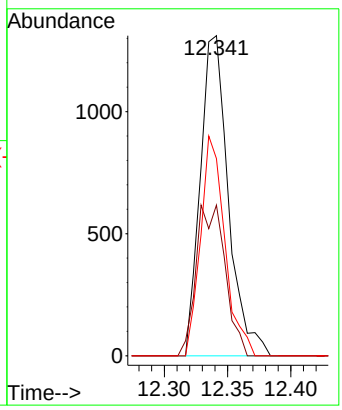




#91
1,2-Dichlorobenzene
Concen: 0.747 ug/l
RT: 12.341 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:146 Resp: 202

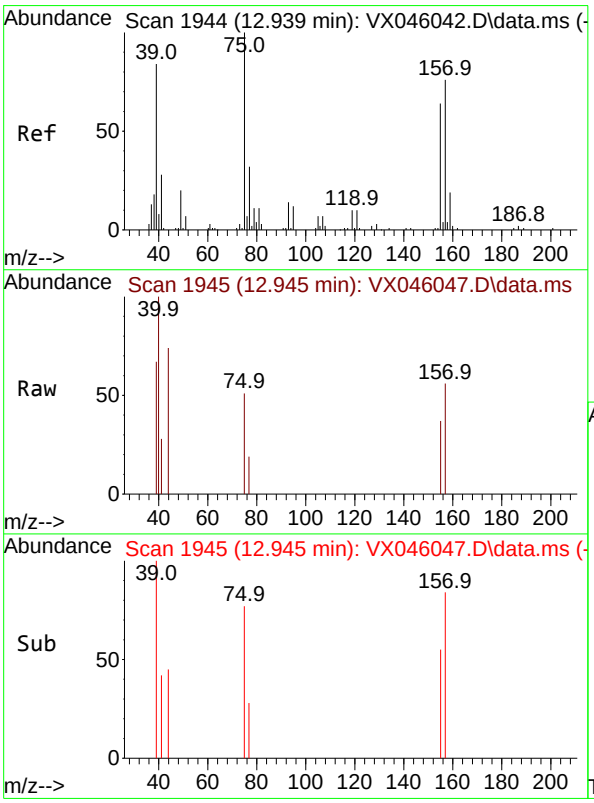
Ion	Ratio	Lower	Upper
146	100		
111	48.8	22.4	67.3
148	59.4	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

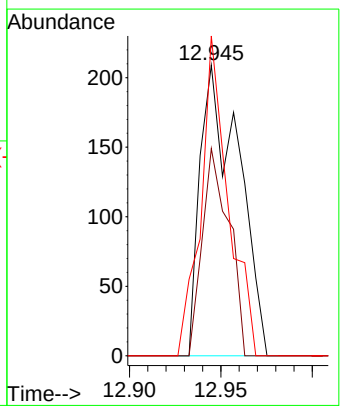
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

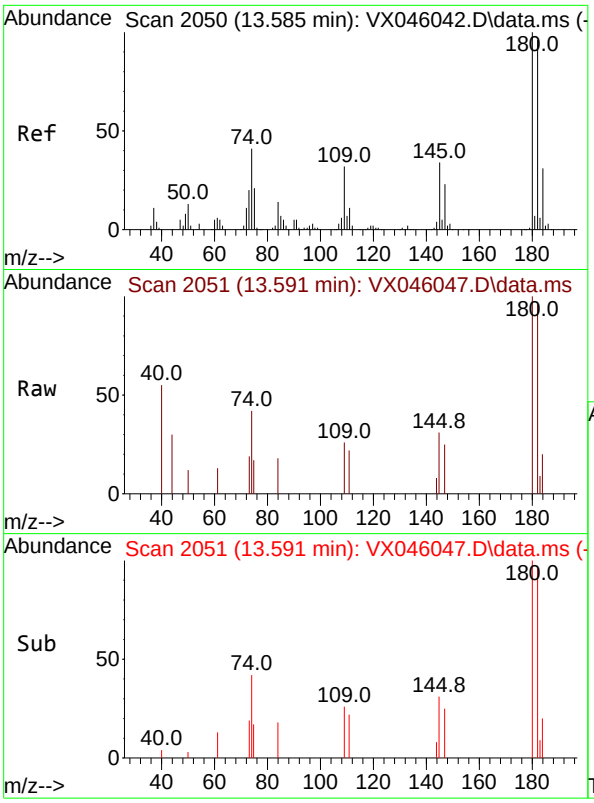


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.586 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 306

Ion	Ratio	Lower	Upper
75	100		
155	49.3	34.9	104.8
157	78.1	43.8	131.4

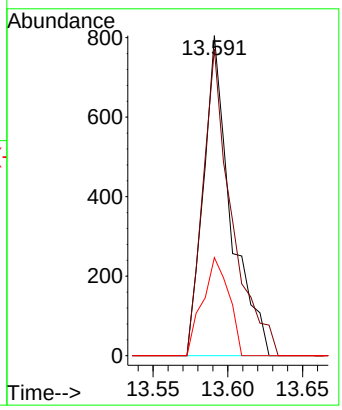




#93
1,2,4-Trichlorobenzene
Concen: 0.688 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:180 Resp: 101

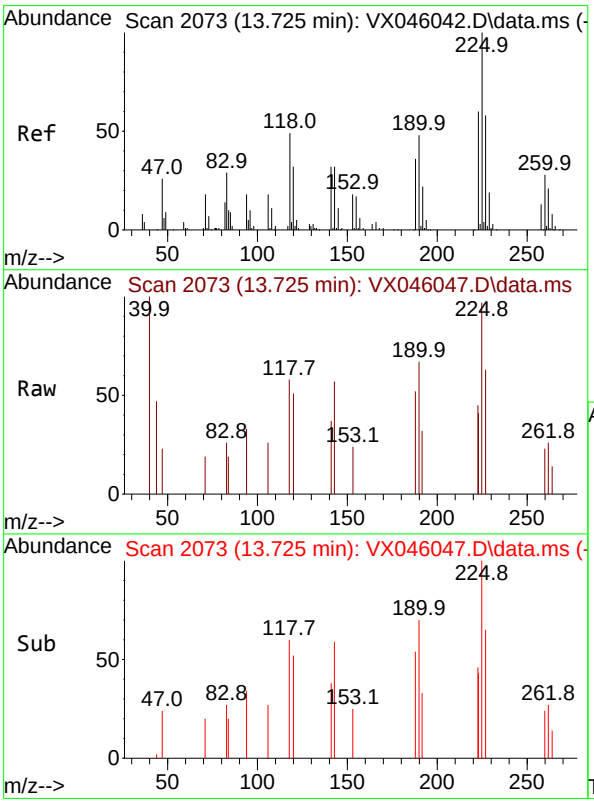
Ion	Ratio	Lower	Upper
180	100		
182	100.6	47.9	143.8
145	29.5	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

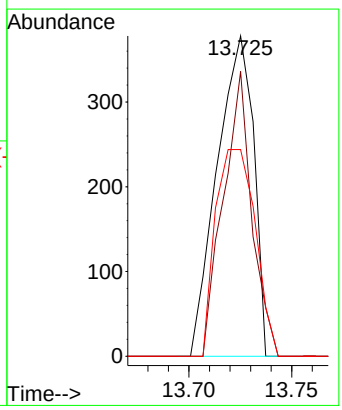
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

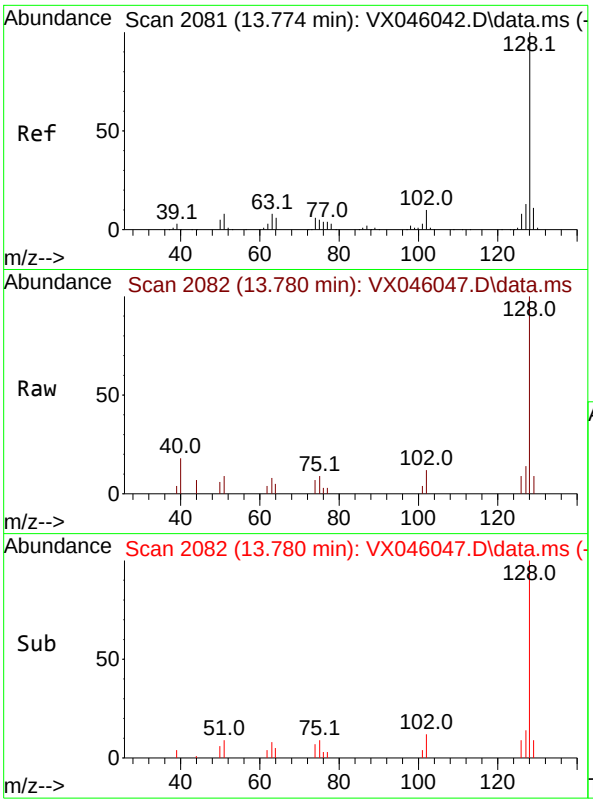


#94
Hexachlorobutadiene
Concen: 0.671 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:225 Resp: 465

Ion	Ratio	Lower	Upper
225	100		
223	69.7	30.8	92.4
227	70.5	30.9	92.7

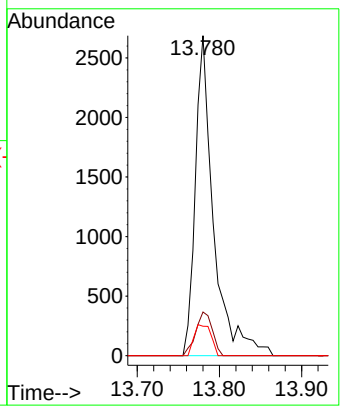




#95
Naphthalene
Concen: 0.767 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:128 Resp: 413

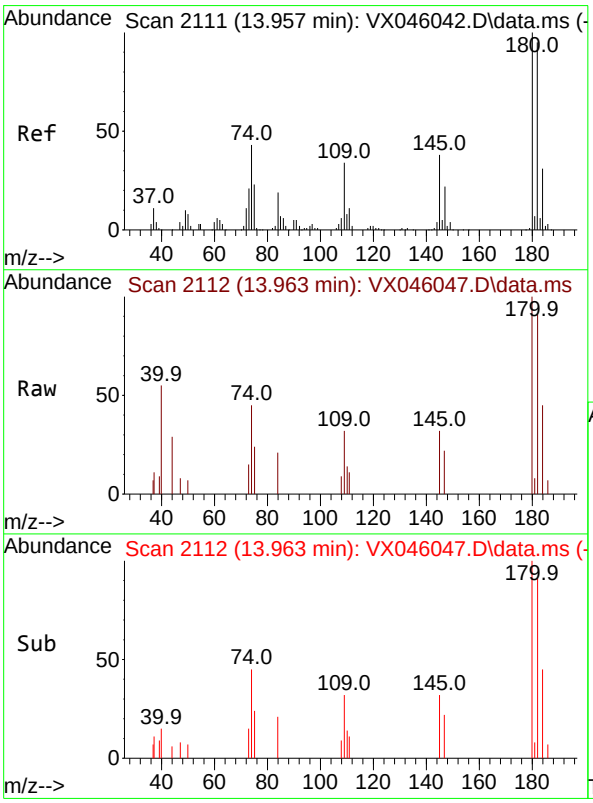
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	8.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

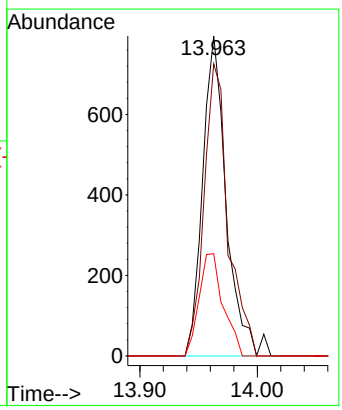
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.716 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:180 Resp: 1113

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.8	143.3
145	32.5	18.1	54.3



Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162651	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83733	48.509	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.020%			
35) Dibromofluoromethane	5.379	113	58192	49.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.360%			
50) Toluene-d8	8.647	98	198575	48.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.960%			
62) 4-Bromofluorobenzene	11.079	95	75568	48.596	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	78783	55.594	ug/l	99
3) Chloromethane	1.307	50	72275	52.592	ug/l	100
4) Vinyl Chloride	1.374	62	65994	51.598	ug/l	98
5) Bromomethane	1.593	94	30033	50.627	ug/l	97
6) Chloroethane	1.666	64	35690	52.271	ug/l	94
7) Trichlorofluoromethane	1.874	101	99352	52.560	ug/l	99
8) Diethyl Ether	2.130	74	31875	49.536	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	59451	50.822	ug/l	99
10) Methyl Iodide	2.447	142	73940	53.419	ug/l	99
11) Tert butyl alcohol	2.977	59	61065	252.025	ug/l	99
12) 1,1-Dichloroethene	2.313	96	56097	51.097	ug/l	98
13) Acrolein	2.233	56	64157	232.505	ug/l	99
14) Allyl chloride	2.660	41	108757	51.833	ug/l	100
15) Acrylonitrile	3.063	53	181808	262.412	ug/l	99
16) Acetone	2.380	43	169923	245.518	ug/l	98
17) Carbon Disulfide	2.502	76	132695	50.981	ug/l	99
18) Methyl Acetate	2.703	43	80251	49.968	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	195442	50.777	ug/l	99
20) Methylene Chloride	2.782	84	63369	47.779	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	55770	50.513	ug/l	99
22) Diisopropyl ether	3.757	45	209946	51.800	ug/l	97
23) Vinyl Acetate	3.715	43	946746	265.585	ug/l	100
24) 1,1-Dichloroethane	3.605	63	114733	50.825	ug/l	98
25) 2-Butanone	4.556	43	258339	257.110	ug/l	97
26) 2,2-Dichloropropane	4.471	77	88229	49.934	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	67727	50.956	ug/l	100
28) Bromochloromethane	4.891	49	55390	50.975	ug/l	98
29) Tetrahydrofuran	5.001	42	163675	259.958	ug/l	99
30) Chloroform	5.093	83	120782	51.332	ug/l	97
31) Cyclohexane	5.458	56	103158	50.147	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	104243	51.108	ug/l	100
36) 1,1-Dichloropropene	5.690	75	77931	49.521	ug/l	99
37) Ethyl Acetate	4.715	43	98604	50.714	ug/l	100
38) Carbon Tetrachloride	5.666	117	88100	49.825	ug/l	97
39) Methylcyclohexane	7.373	83	100808	49.757	ug/l	98
40) Benzene	6.031	78	233977	50.759	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	56017	55.076	ug/l		100
42) 1,2-Dichloroethane	6.080	62	101185	50.861	ug/l		98
43) Isopropyl Acetate	6.336	43	154818	52.195	ug/l		99
44) Trichloroethene	7.123	130	55491	50.018	ug/l		100
45) 1,2-Dichloropropane	7.428	63	59582	51.983	ug/l		98
46) Dibromomethane	7.580	93	45181	49.978	ug/l		99
47) Bromodichloromethane	7.818	83	92388	51.889	ug/l		100
48) Methyl methacrylate	7.690	41	82144	54.226	ug/l		98
49) 1,4-Dioxane	7.659	88	30477	1059.599	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	510206	259.133	ug/l		100
52) Toluene	8.714	92	144574	51.150	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	83751	52.920	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	92517	52.892	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	56713	50.887	ug/l		96
56) Ethyl methacrylate	9.116	69	95772	53.918	ug/l		99
57) 1,3-Dichloropropane	9.305	76	99663	49.793	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.238	63	240681	265.780	ug/l		99
59) 2-Hexanone	9.427	43	390701	268.218	ug/l		100
60) Dibromochloromethane	9.519	129	63738	52.075	ug/l		99
61) 1,2-Dibromoethane	9.610	107	59134	51.050	ug/l		98
64) Tetrachloroethene	9.269	164	48034	46.795	ug/l		98
65) Chlorobenzene	10.073	112	154640	48.699	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53735	49.557	ug/l		100
67) Ethyl Benzene	10.189	91	281239	50.245	ug/l		100
68) m/p-Xylenes	10.299	106	206813	101.022	ug/l		99
69) o-Xylene	10.640	106	101469	50.841	ug/l		99
70) Styrene	10.653	104	169703	51.907	ug/l		99
71) Bromoform	10.799	173	40364	49.583	ug/l	#	97
73) Isopropylbenzene	10.957	105	269484	50.733	ug/l		100
74) N-amyl acetate	10.842	43	137559	52.407	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	89027	47.827	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	79763m	48.568	ug/l		
77) Bromobenzene	11.195	156	59871	48.549	ug/l		98
78) n-propylbenzene	11.299	91	312285	50.562	ug/l		100
79) 2-Chlorotoluene	11.360	91	195630	49.107	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	228538	51.500	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24857	49.276	ug/l		98
82) 4-Chlorotoluene	11.451	91	223811	50.661	ug/l		100
83) tert-Butylbenzene	11.713	119	225783	50.511	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	231371	51.485	ug/l		100
85) sec-Butylbenzene	11.890	105	280578	51.122	ug/l		99
86) p-Isopropyltoluene	12.006	119	231942	51.198	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	113146	50.272	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	111173	48.368	ug/l		99
89) n-Butylbenzene	12.329	91	205858	51.804	ug/l		100
90) Hexachloroethane	12.536	117	39823	49.895	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	111482	49.361	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21220	51.458	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	64421	49.662	ug/l		100
94) Hexachlorobutadiene	13.719	225	27425	48.408	ug/l		98
95) Naphthalene	13.774	128	239805	50.404	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	64950	48.525	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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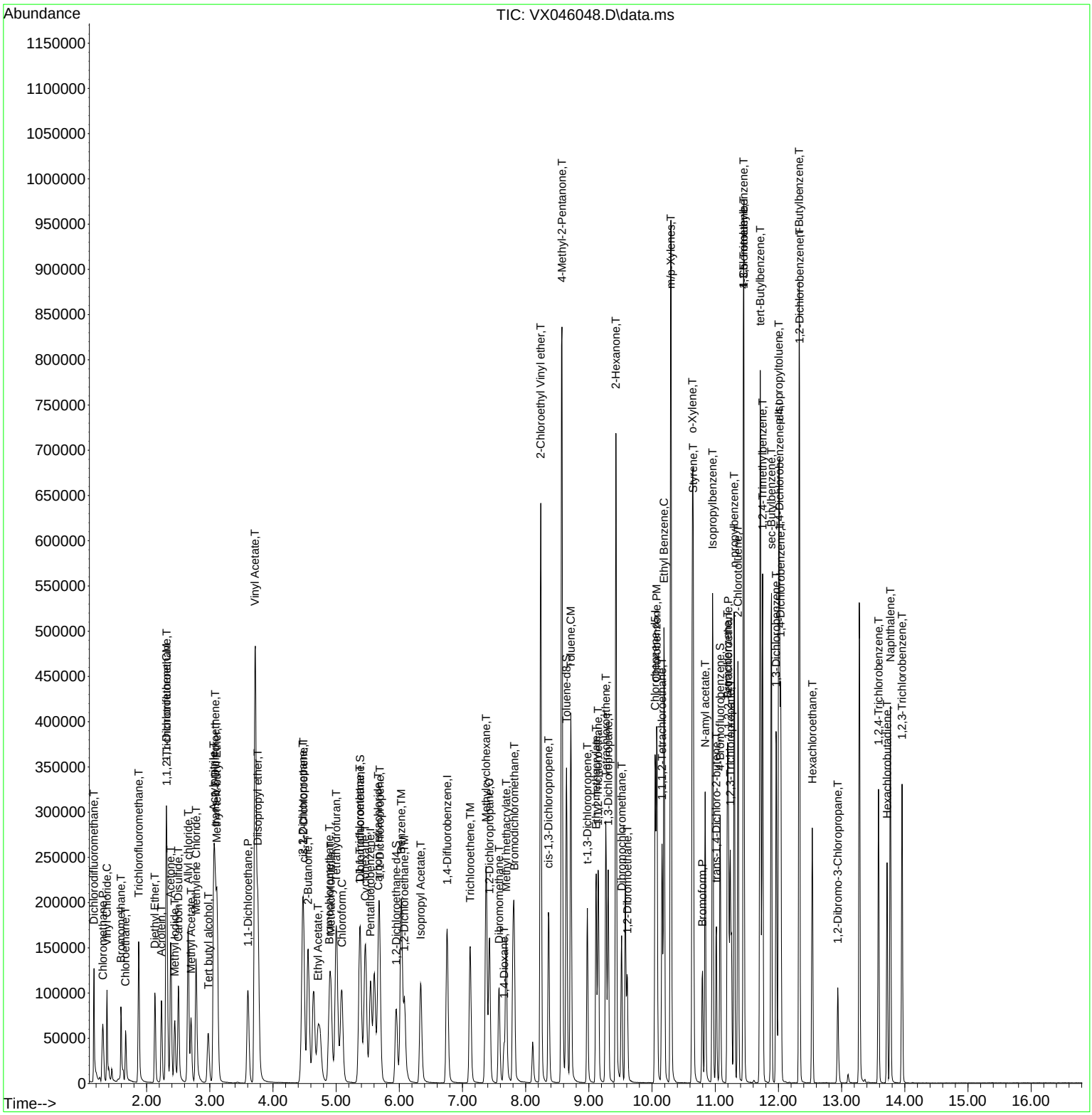
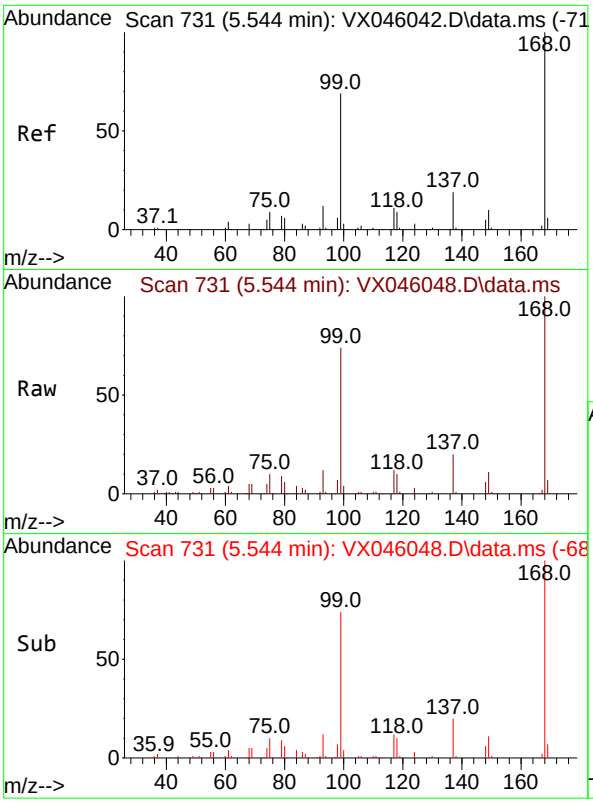
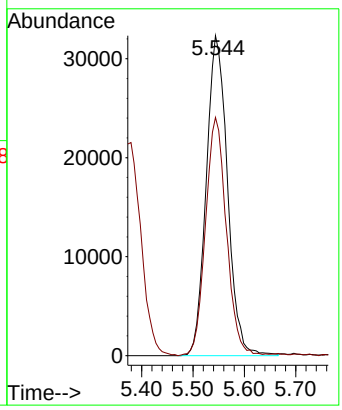




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:168 Resp: 9258

Ion	Ratio	Lower	Upper
168	100		
99	74.5	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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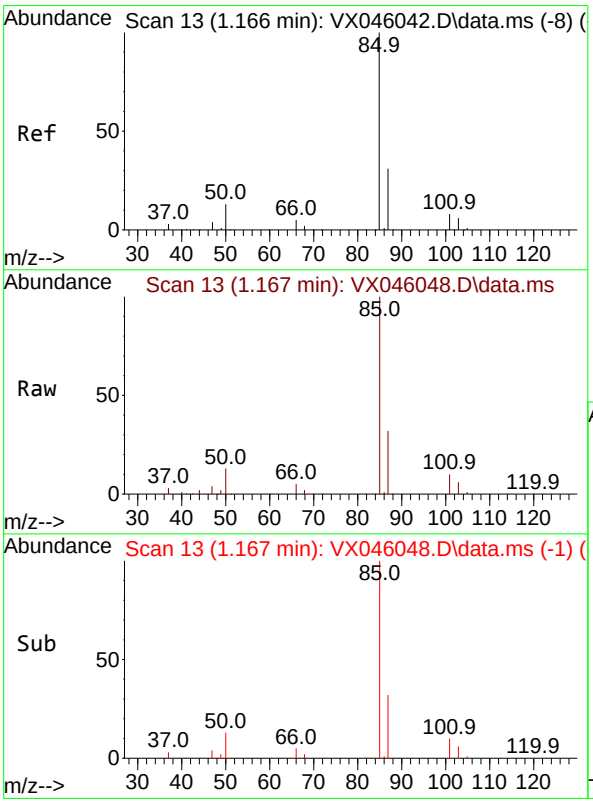
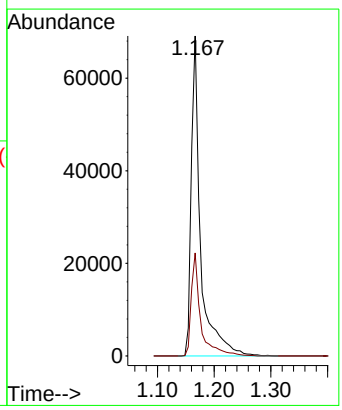
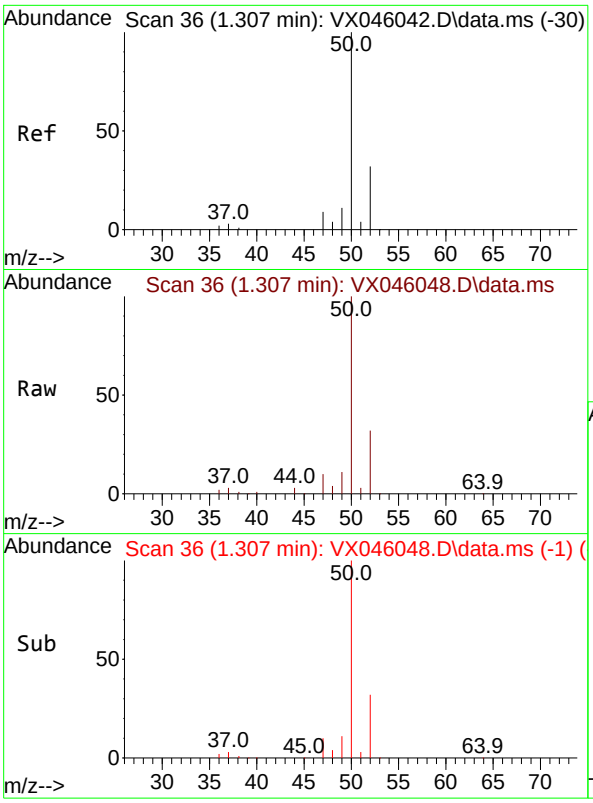


#2
Dichlorodifluoromethane
Concen: 55.594 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 85 Resp: 78783

Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.7	47.1

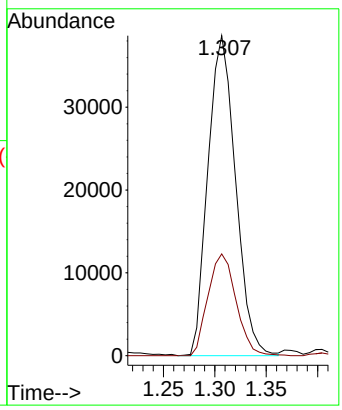




#3
Chloromethane
Concen: 52.592 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 50 Resp: 7227

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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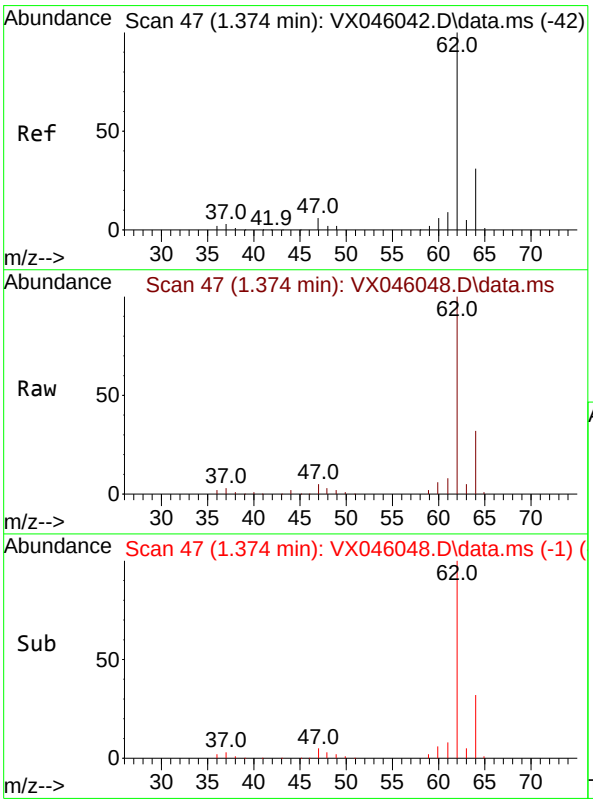
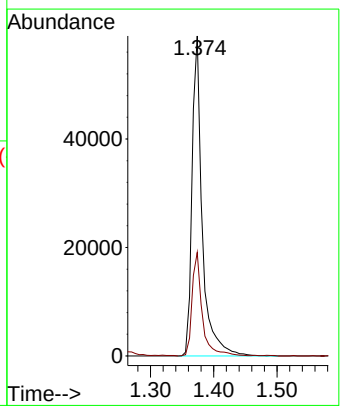
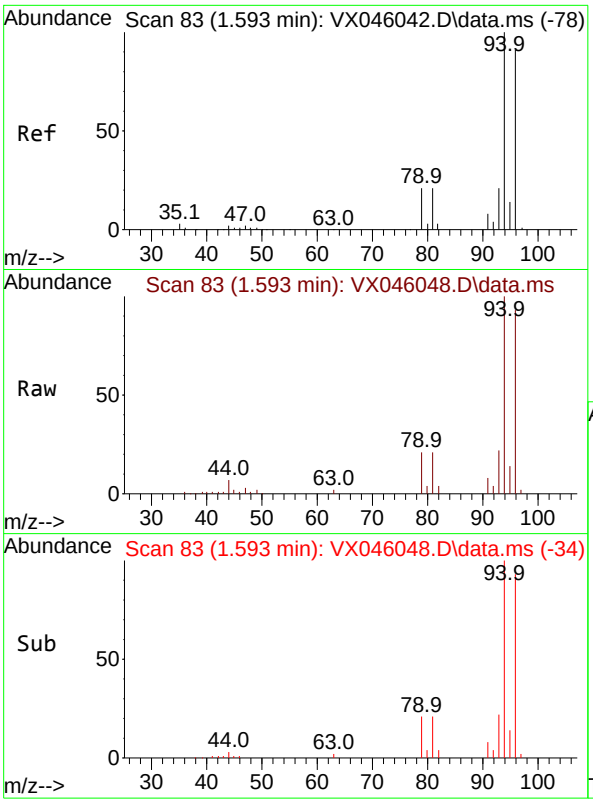


#4
Vinyl Chloride
Concen: 51.598 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 62 Resp: 65994

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.2	37.8

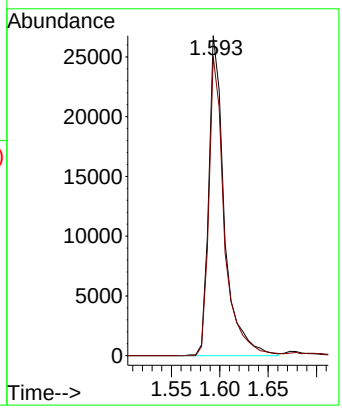




#5
Bromomethane
Concen: 50.627 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 94 Resp: 3003

Ion	Ratio	Lower	Upper
94	100		
96	93.5	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

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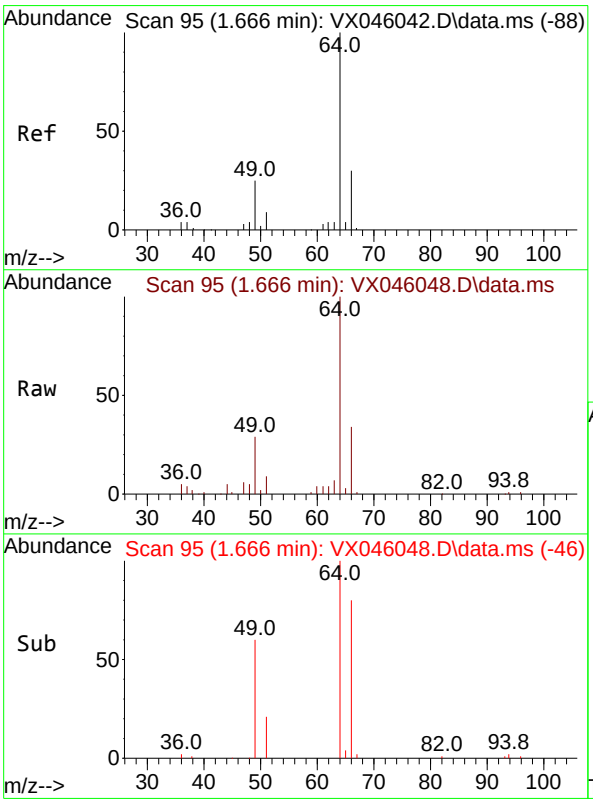
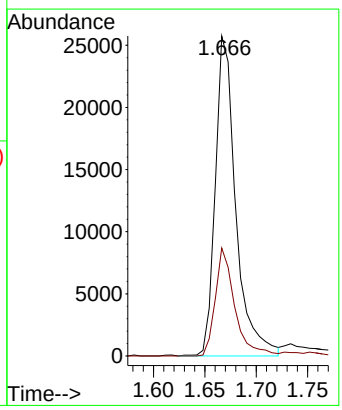
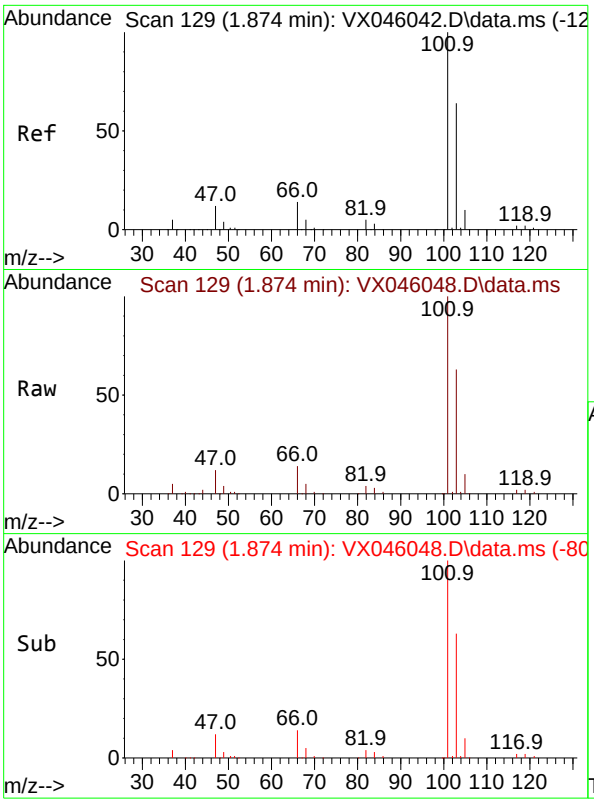


#6
Chloroethane
Concen: 52.271 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 64 Resp: 35690

Ion	Ratio	Lower	Upper
64	100		
66	33.7	24.3	36.5

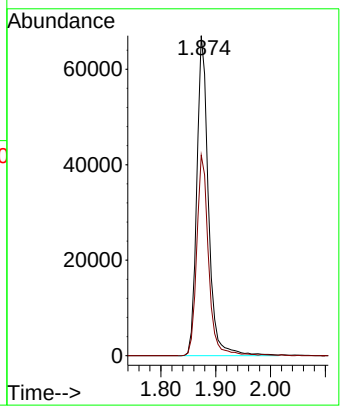




#7
Trichlorofluoromethane
Concen: 52.560 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:101 Resp: 9935

Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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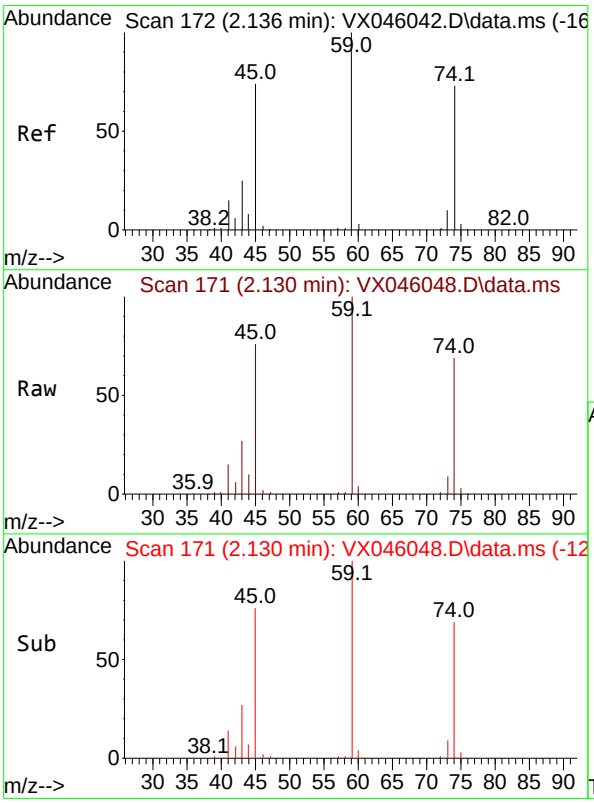
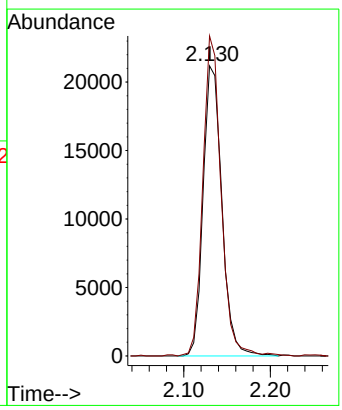
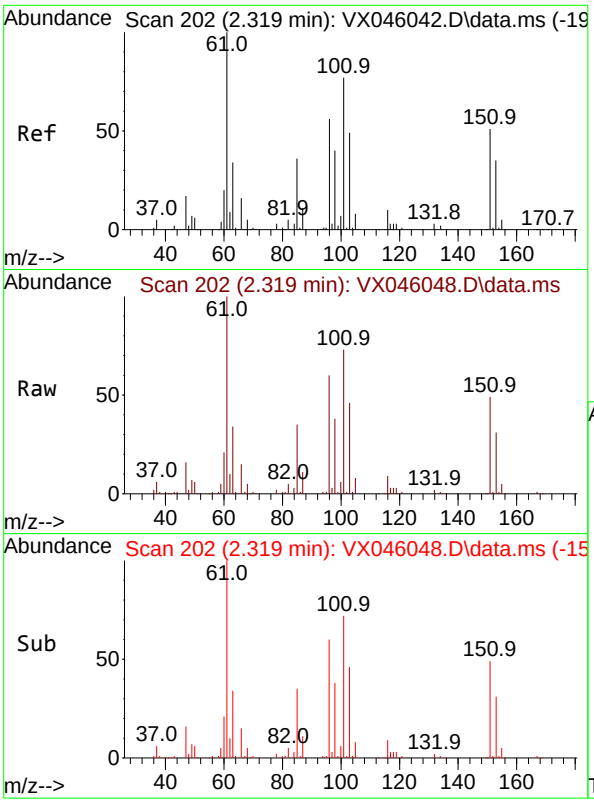


#8
Diethyl Ether
Concen: 49.536 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 74 Resp: 31875

Ion	Ratio	Lower	Upper
74	100		
45	107.1	54.9	164.8

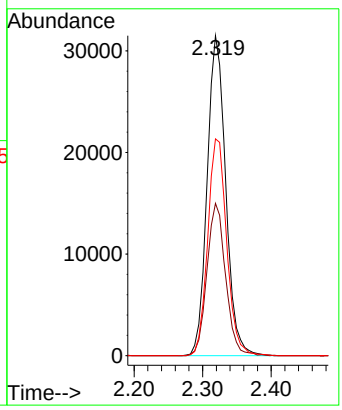




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.822 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:101 Resp: 5945

Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.6	58.0
151	69.4	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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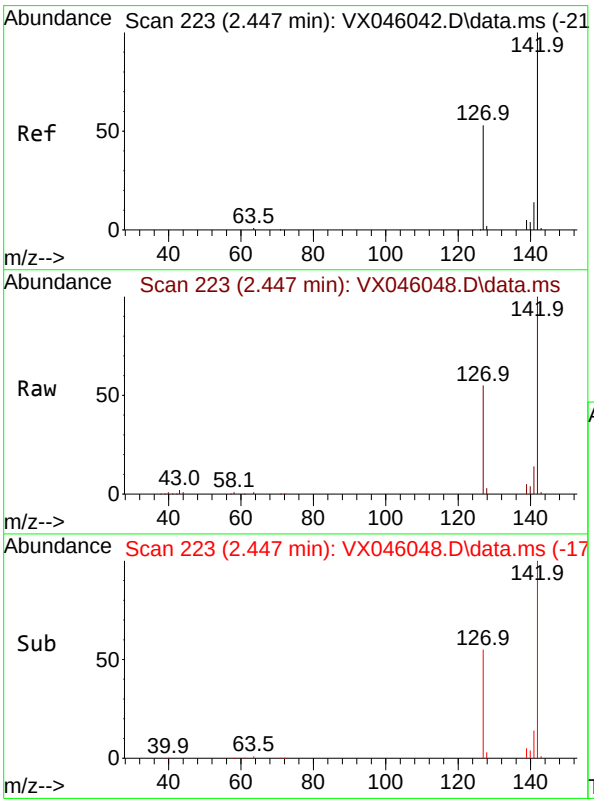
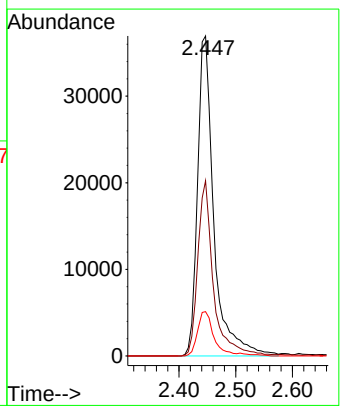
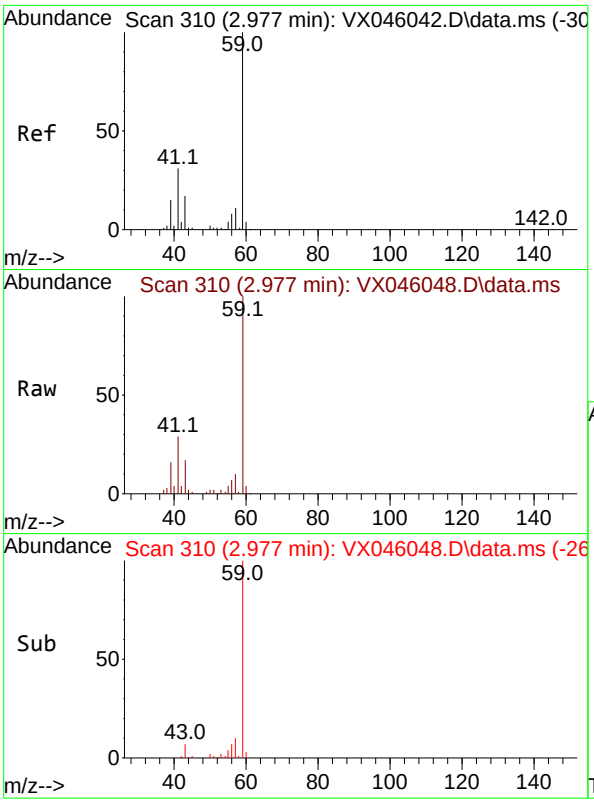


#10
Methyl Iodide
Concen: 53.419 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:142 Resp: 73940

Ion	Ratio	Lower	Upper
142	100		
127	52.9	41.7	62.5
141	14.4	11.5	17.3





#11
Tert butyl alcohol
Concen: 252.025 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 59 Resp: 6106

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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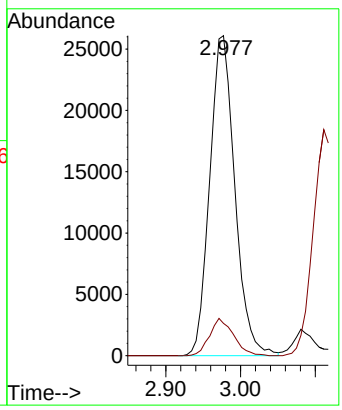
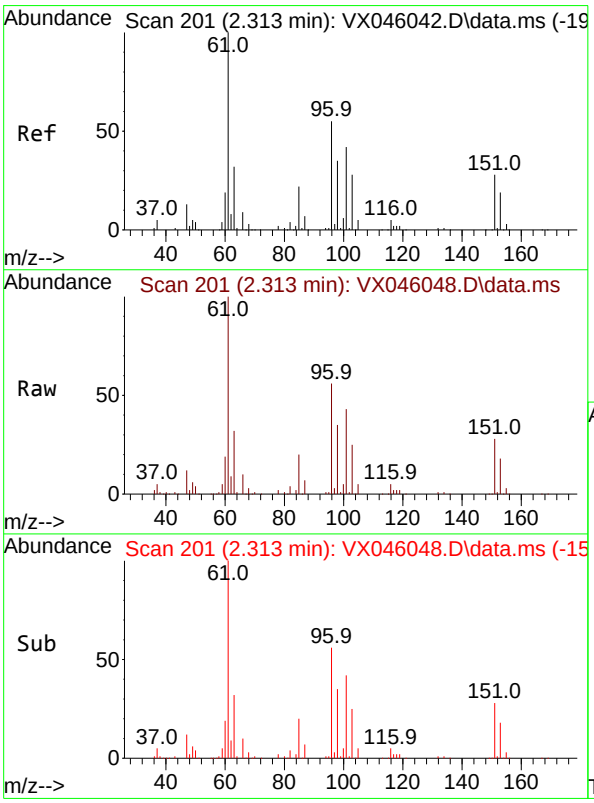
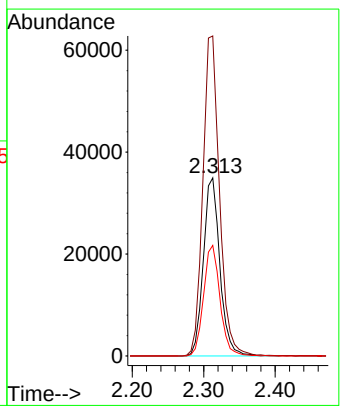


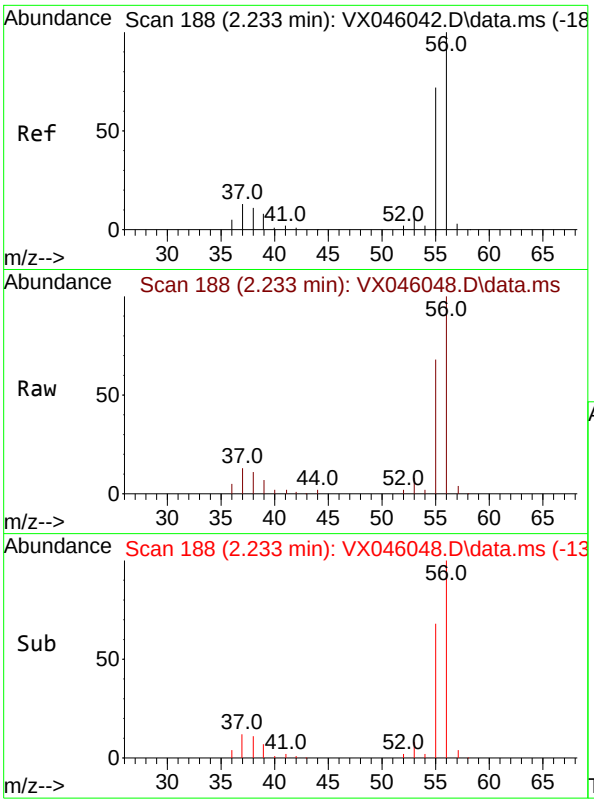


#12
1,1-Dichloroethene
Concen: 51.097 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 96 Resp: 56097

Ion	Ratio	Lower	Upper
96	100		
61	179.7	146.2	219.2
98	62.1	51.0	76.6

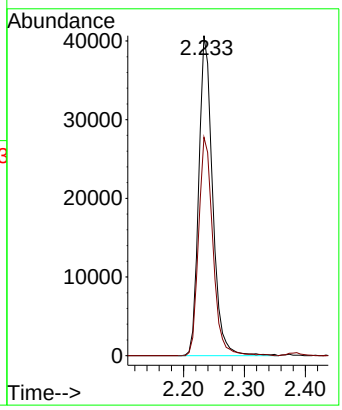




#13
Acrolein
Concen: 232.505 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 56 Resp: 6415

Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

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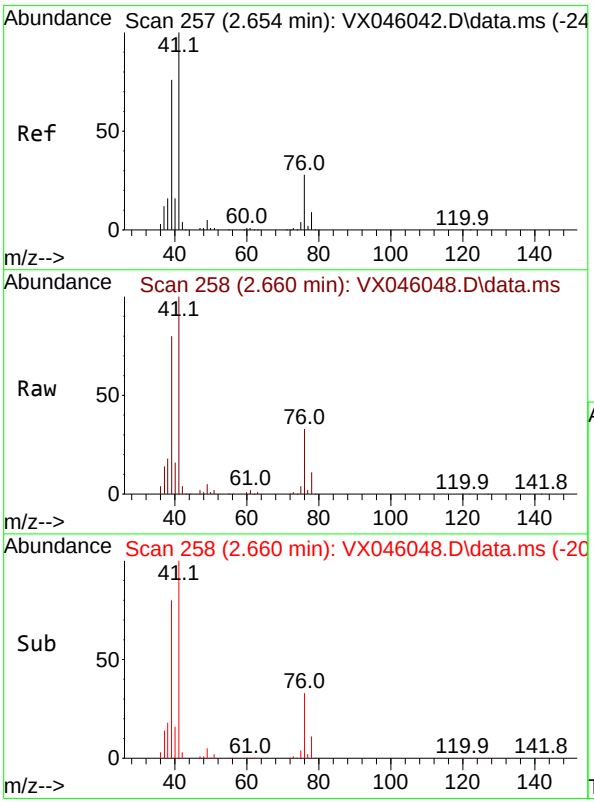
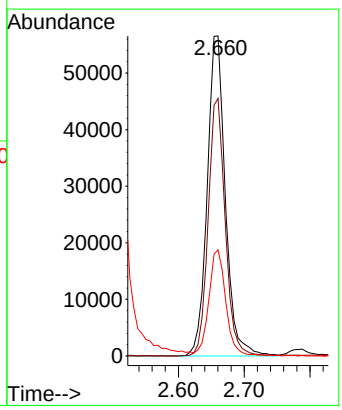
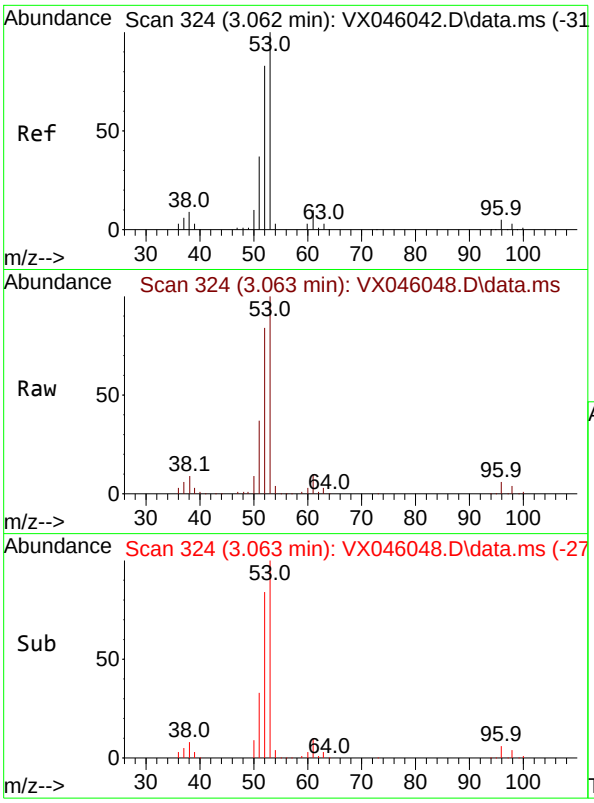


#14
Allyl chloride
Concen: 51.833 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 41 Resp: 108757

Ion	Ratio	Lower	Upper
41	100		
39	75.6	60.6	90.8
76	31.1	24.9	37.3

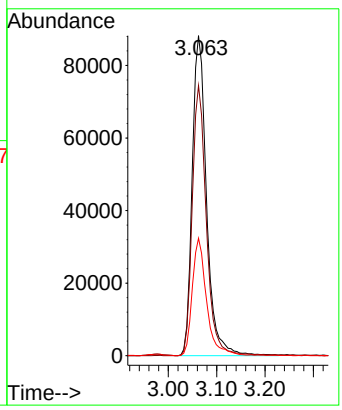




#15
Acrylonitrile
Concen: 262.412 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 53 Resp: 18180

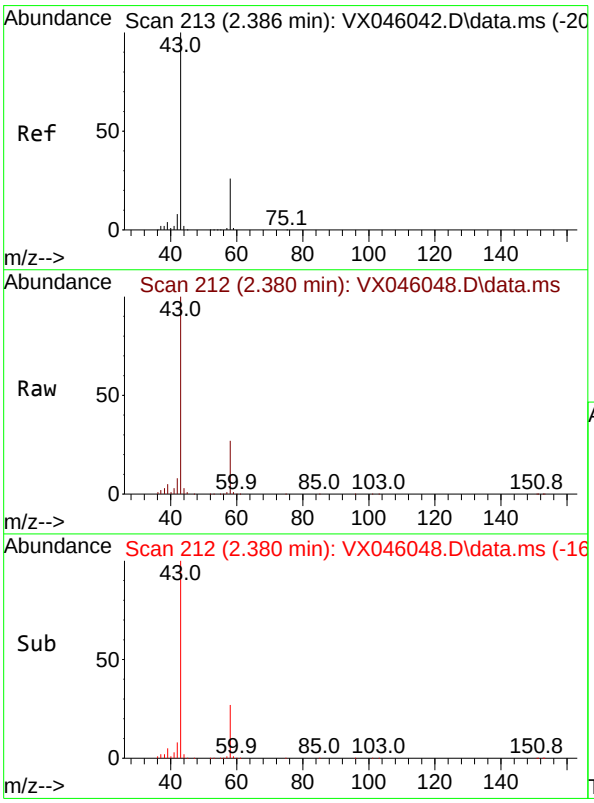
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.3	97.9
51	36.5	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

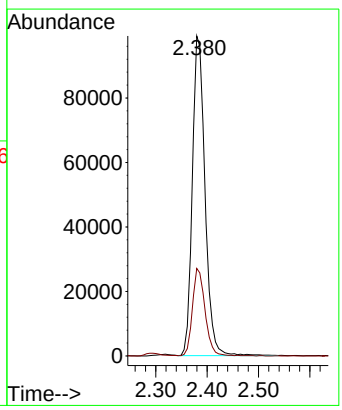
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

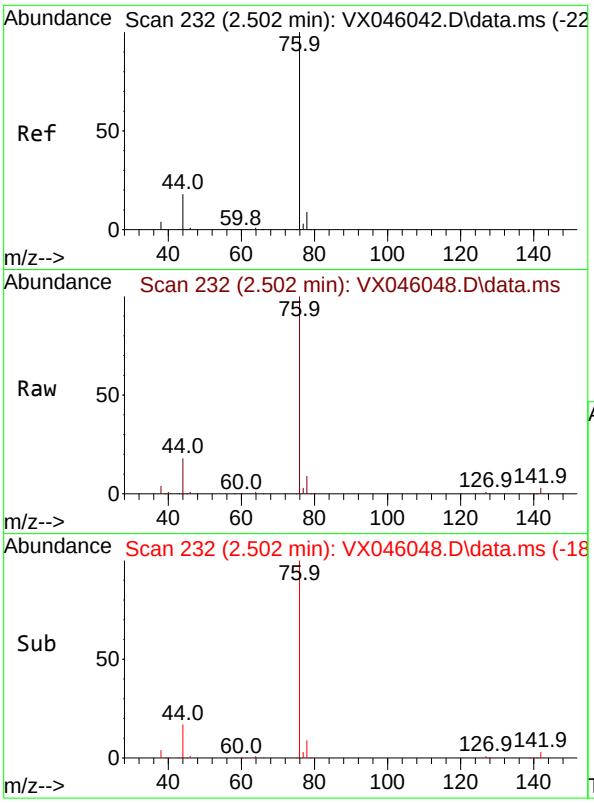


#16
Acetone
Concen: 245.518 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 169923

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.2	31.8





#17
Carbon Disulfide
Concen: 50.981 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 76 Resp: 13269

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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Reviewed By :John Carlone 05/06/2025
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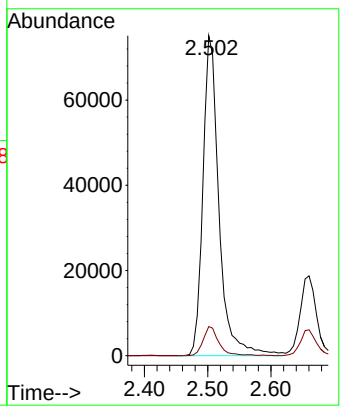
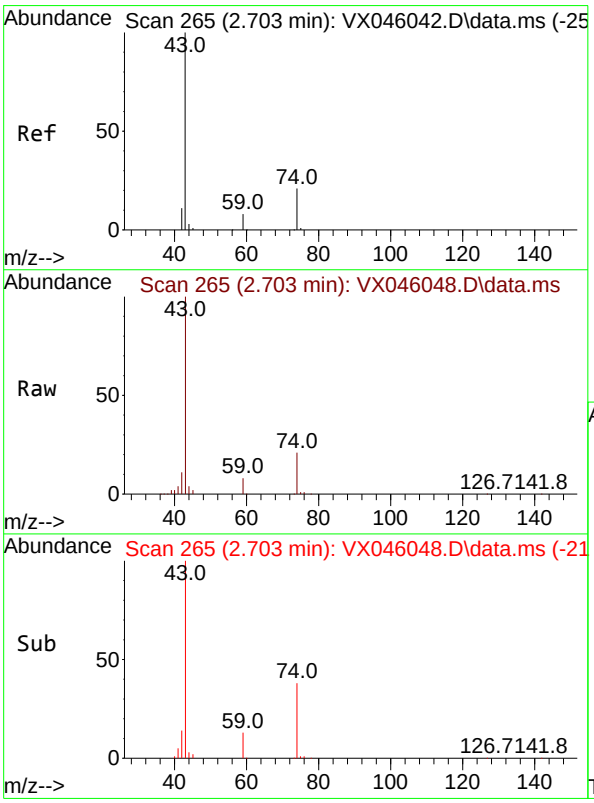
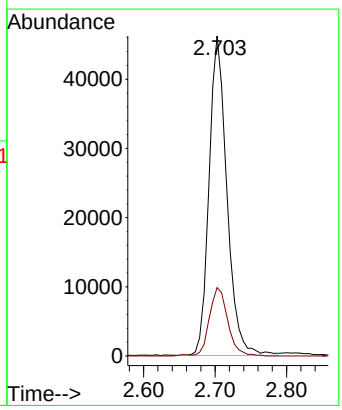


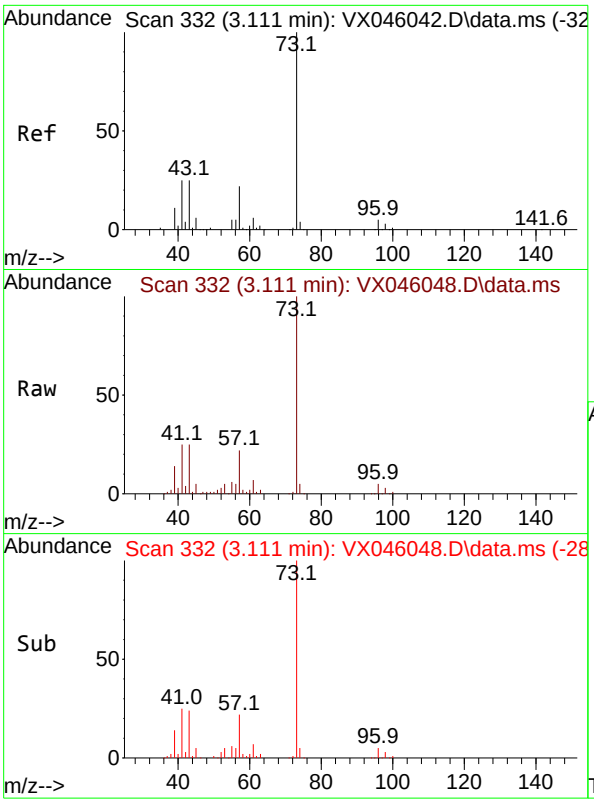


#18
Methyl Acetate
Concen: 49.968 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 80251

Ion	Ratio	Lower	Upper
43	100		
74	22.1	16.7	25.1

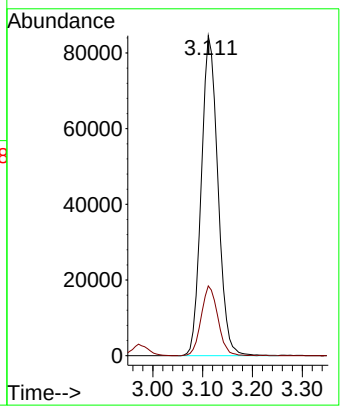




#19
Methyl tert-butyl Ether
Concen: 50.777 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 73 Resp: 19544

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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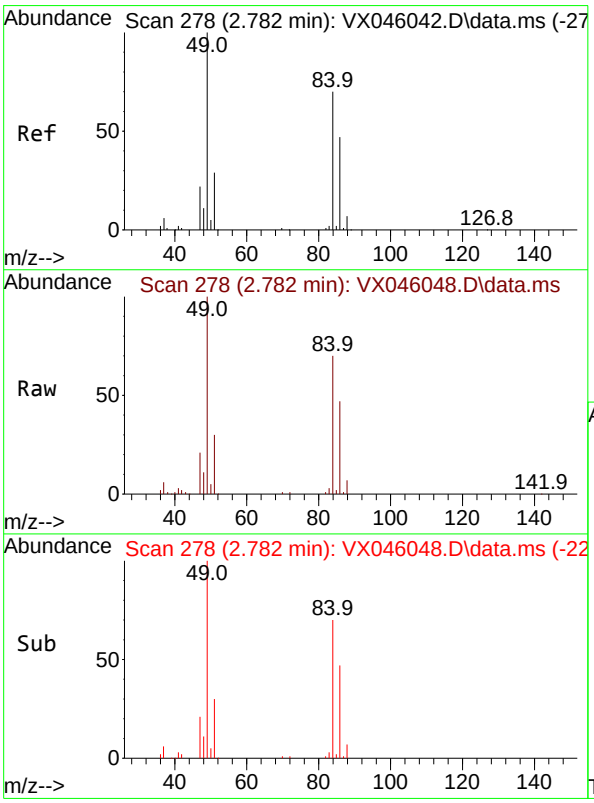
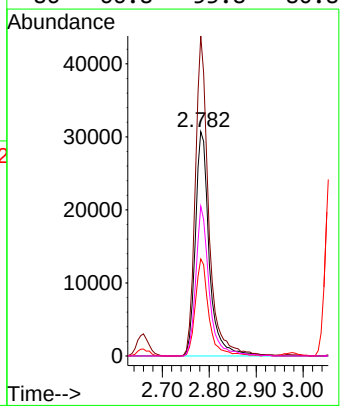
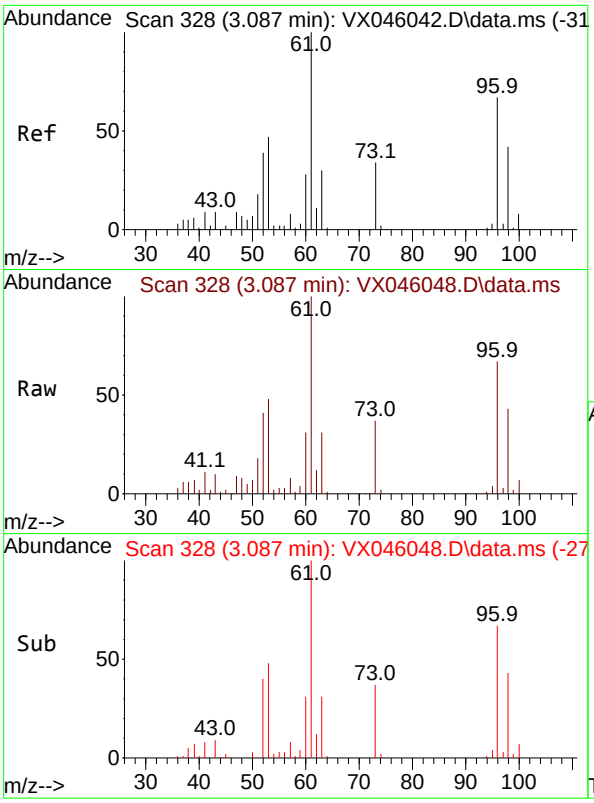


#20
Methylene Chloride
Concen: 47.779 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 84 Resp: 63369

Ion	Ratio	Lower	Upper
84	100		
49	142.7	113.9	170.9
51	43.3	33.5	50.3
86	66.8	53.8	80.8

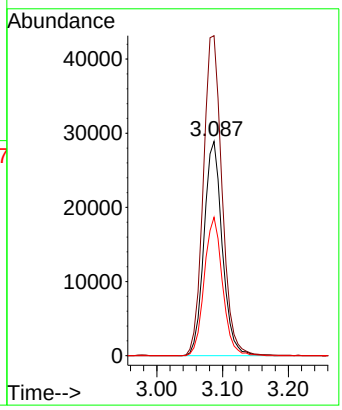




#21
trans-1,2-Dichloroethene
Concen: 50.513 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 96 Resp: 5577

Ion	Ratio	Lower	Upper
96	100		
61	149.3	119.5	179.3
98	64.6	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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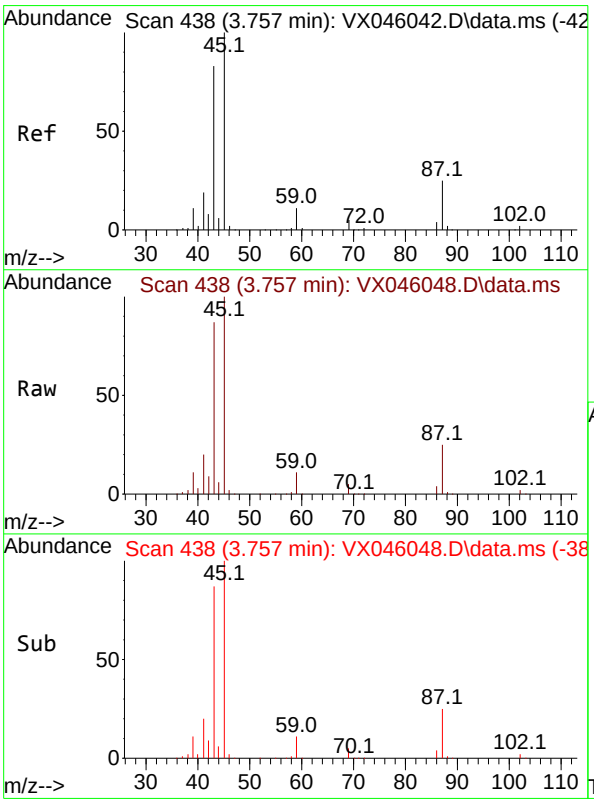
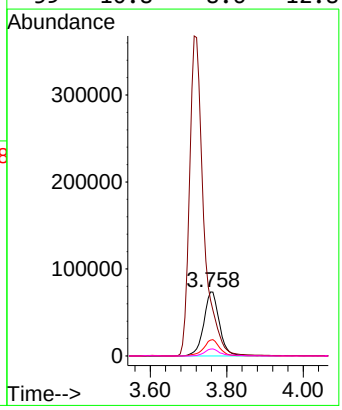
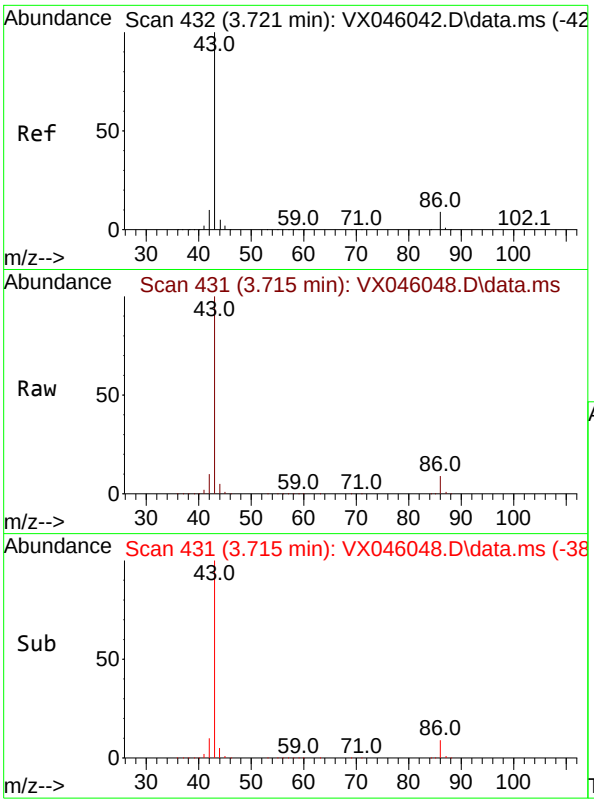


#22
Diisopropyl ether
Concen: 51.800 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 45 Resp: 209946

Ion	Ratio	Lower	Upper
45	100		
43	86.9	66.6	100.0
87	24.8	19.8	29.6
59	10.8	8.6	12.8

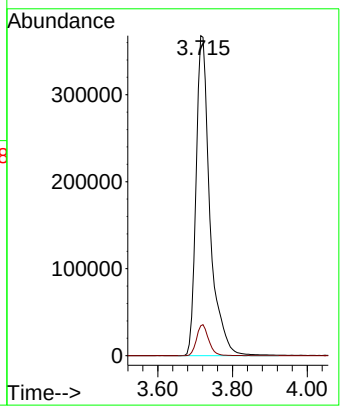




#23
Vinyl Acetate
Concen: 265.585 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 94674

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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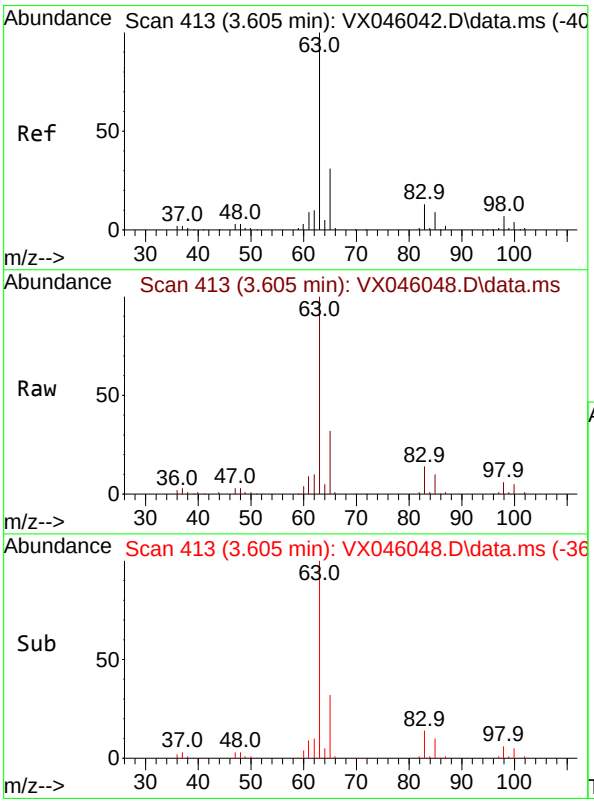
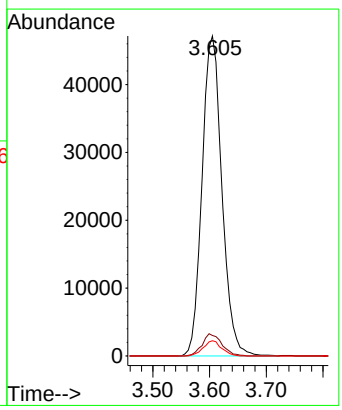
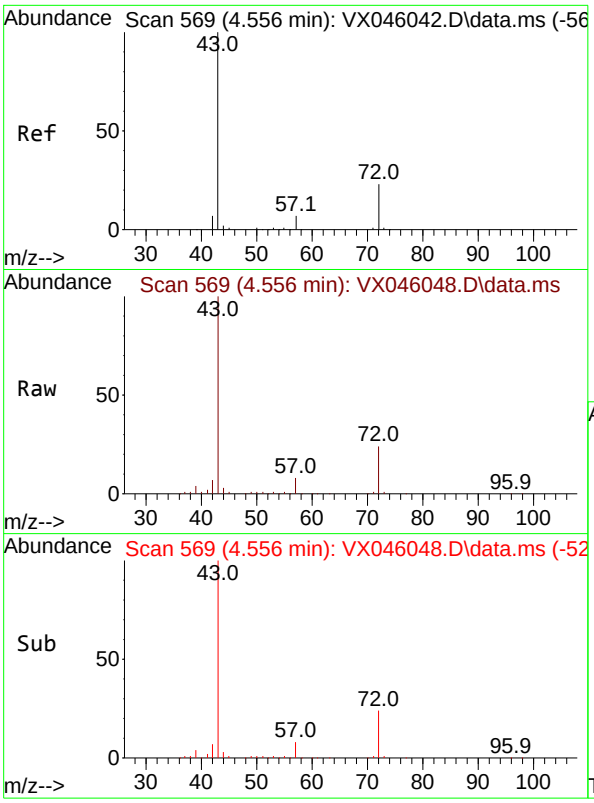


#24
1,1-Dichloroethane
Concen: 50.825 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 114733

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.6	10.8
100	4.8	2.1	6.3





#25
2-Butanone
Concen: 257.110 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 25833

Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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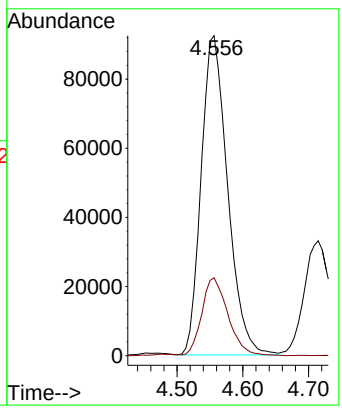
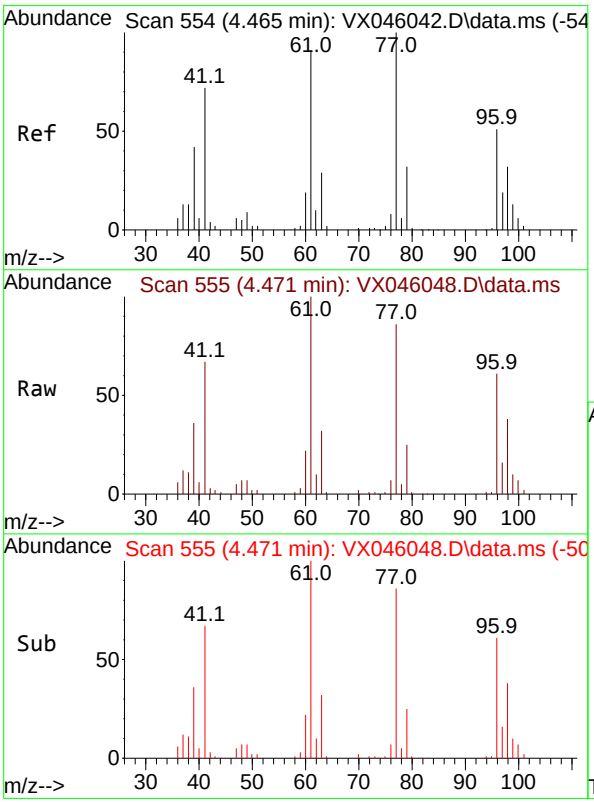
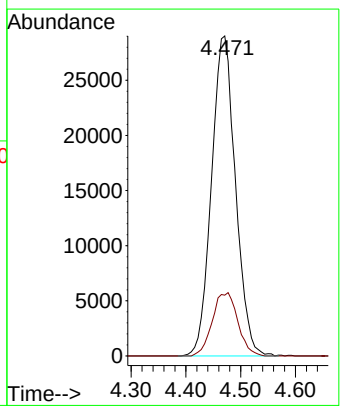


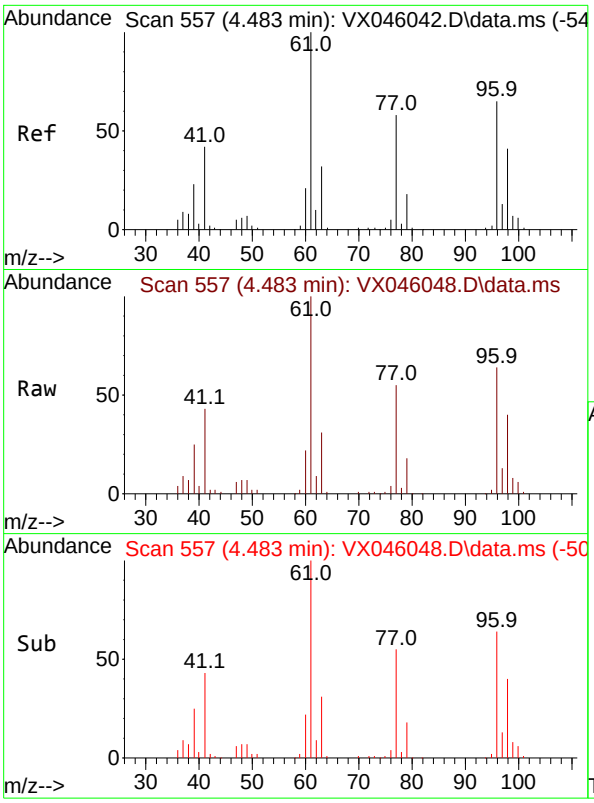


#26
2,2-Dichloropropane
Concen: 49.934 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 77 Resp: 88229

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.5	31.5

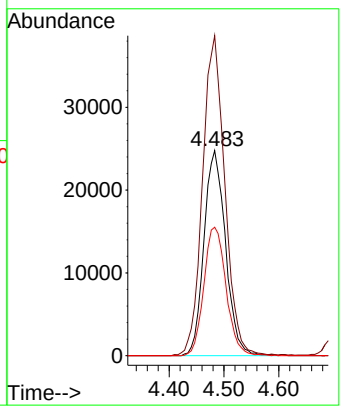




#27
cis-1,2-Dichloroethene
Concen: 50.956 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 96 Resp: 6772

Ion	Ratio	Lower	Upper
96	100		
61	160.7	0.0	322.8
98	64.4	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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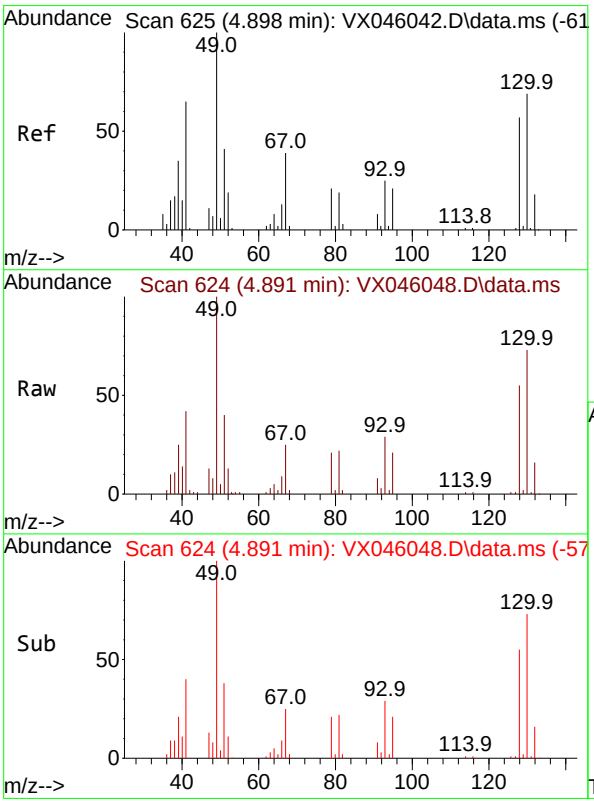
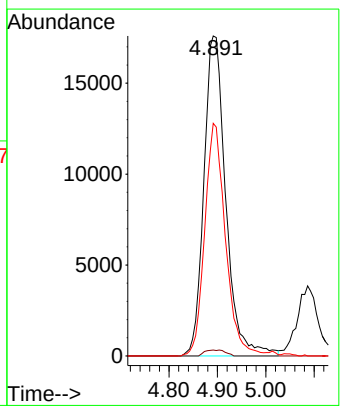
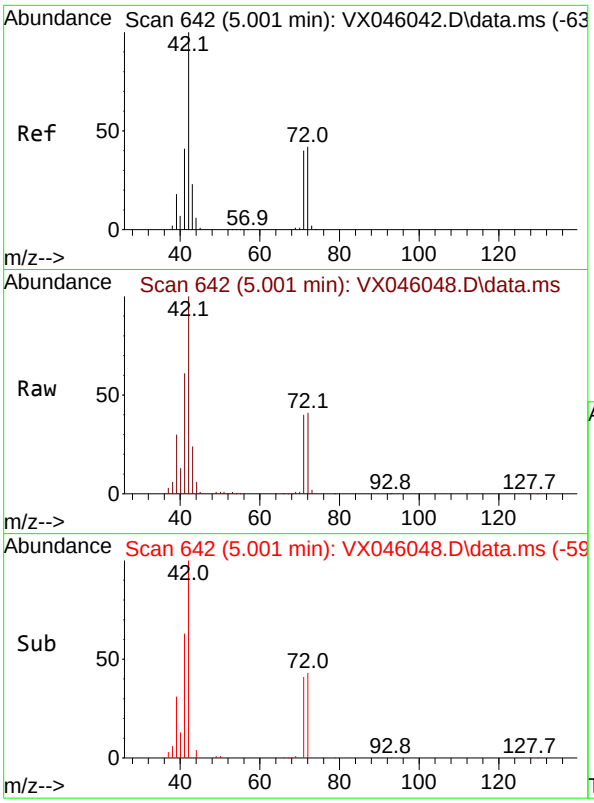


#28
Bromochloromethane
Concen: 50.975 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 49 Resp: 55390

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	68.7	56.2	84.2





#29
Tetrahydrofuran
Concen: 259.958 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 42 Resp: 16367

Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.7	50.5
71	38.5	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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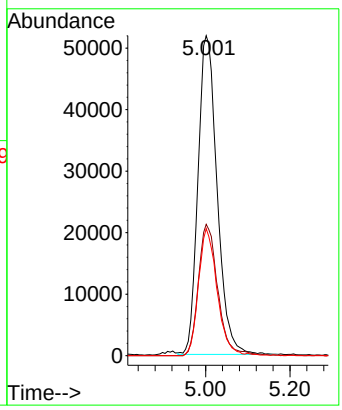
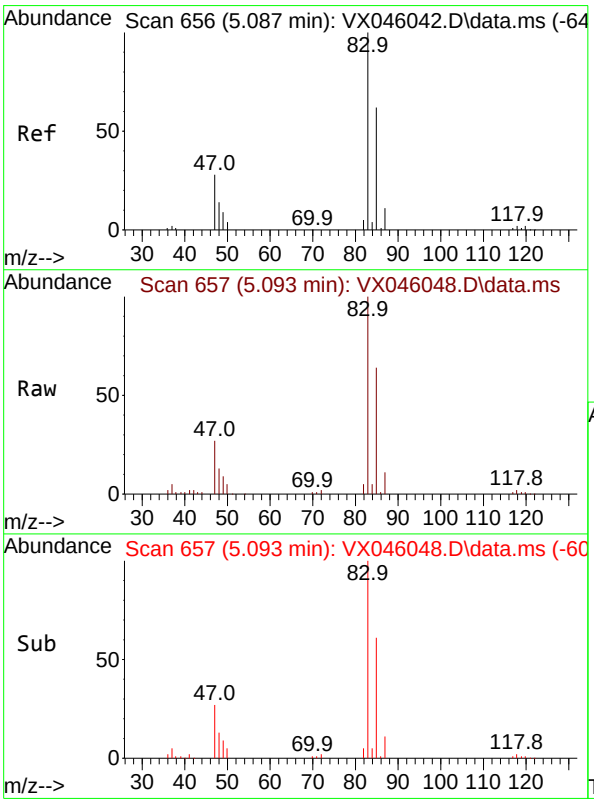
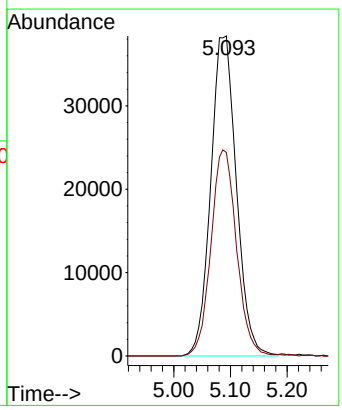


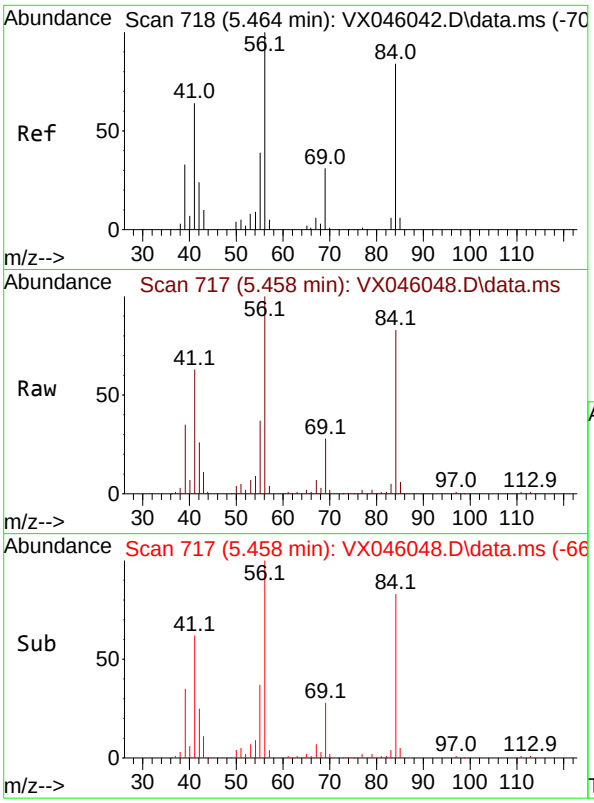


#30
Chloroform
Concen: 51.332 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 120782

Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.3	73.9

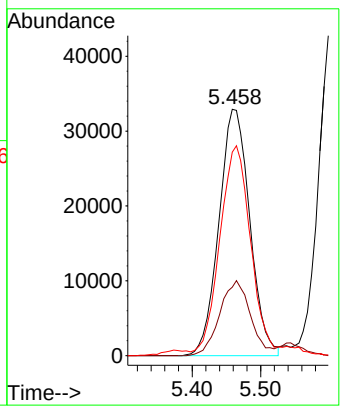




#31
Cyclohexane
Concen: 50.147 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 56 Resp: 10315

Ion	Ratio	Lower	Upper
56	100		
69	27.8	24.4	36.6
84	80.5	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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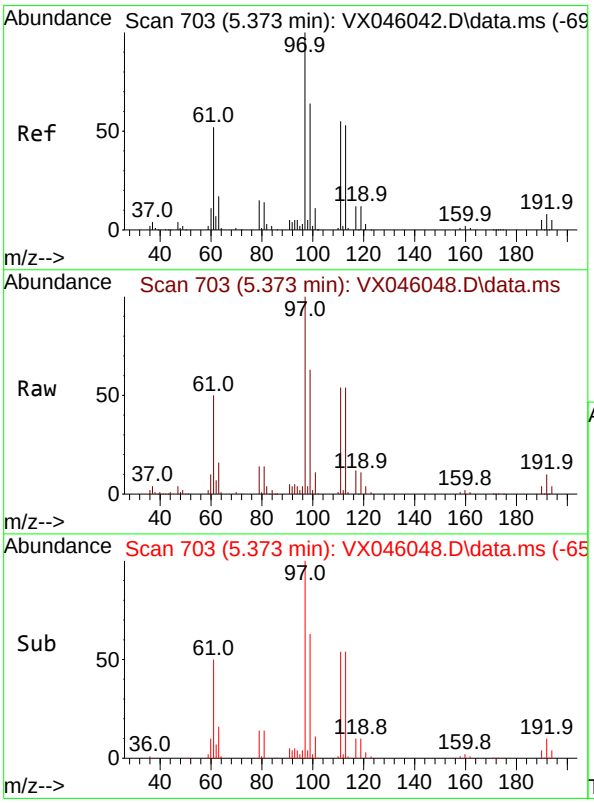
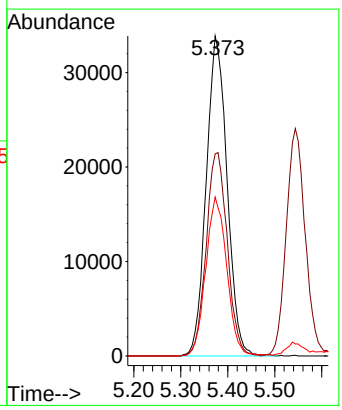
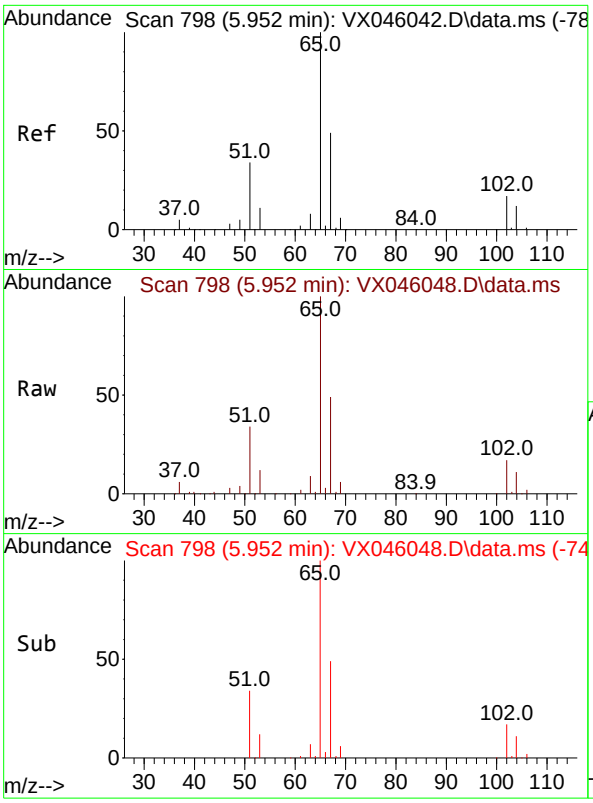


#32
1,1,1-Trichloroethane
Concen: 51.108 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 97 Resp: 104243

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.6
61	50.2	40.1	60.1

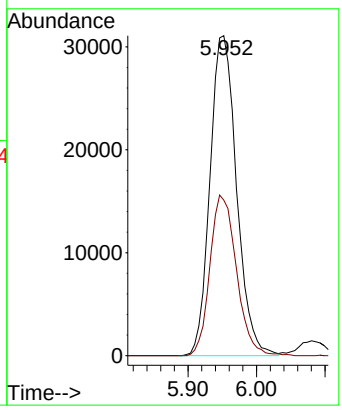




#33
1,2-Dichloroethane-d4
Concen: 48.509 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 65 Resp: 8373

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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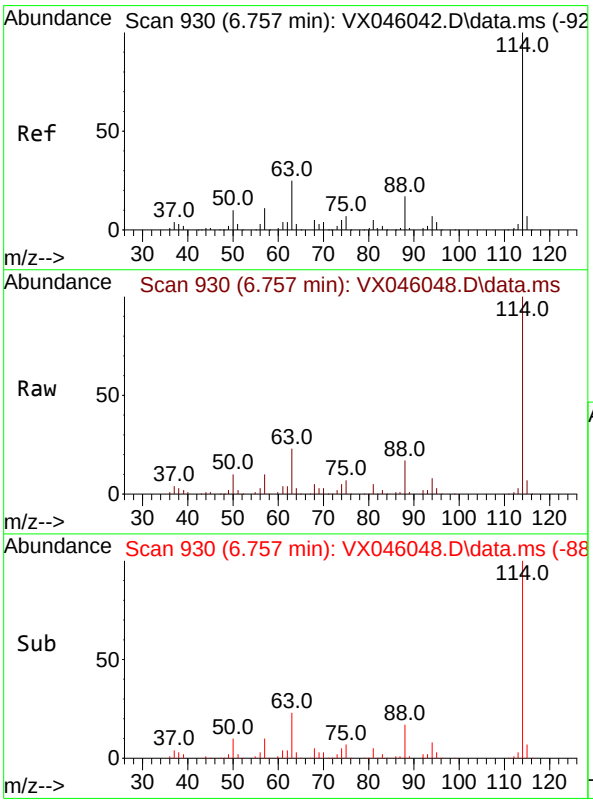
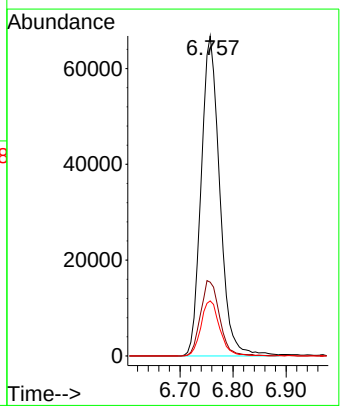
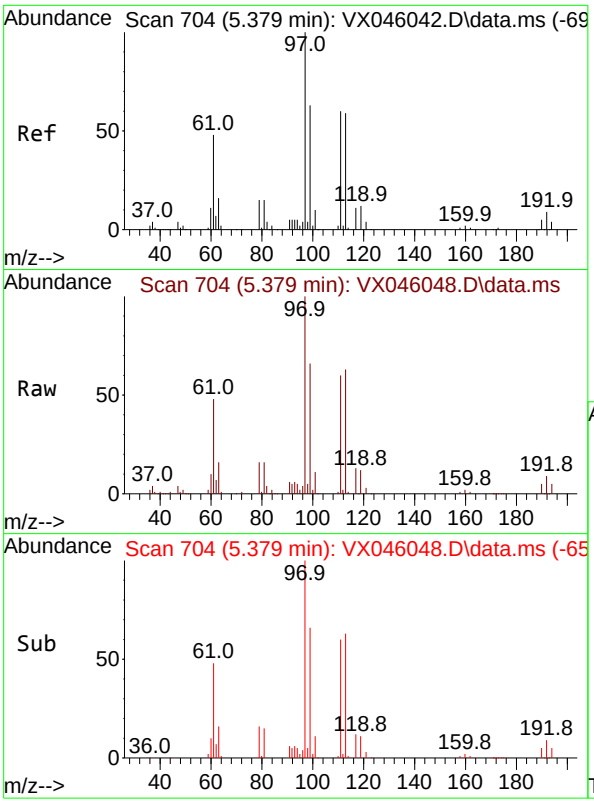


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:114 Resp: 162651

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	49.2
88	17.2	0.0	33.6

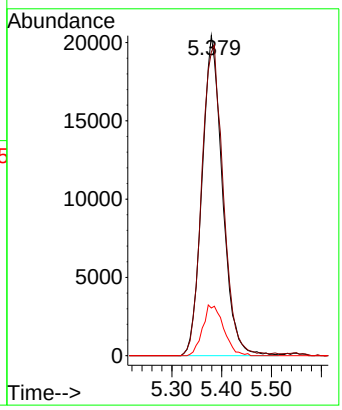




#35
Dibromofluoromethane
Concen: 49.683 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:113 Resp: 5819

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.1	124.7
192	16.2	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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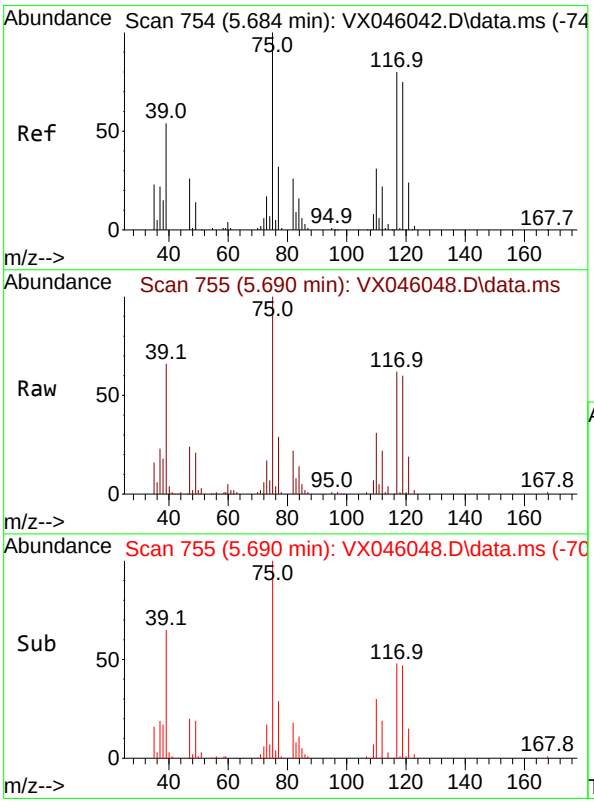
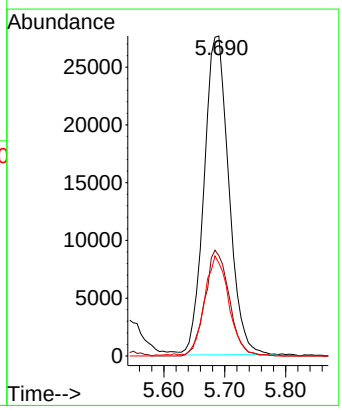
Supervised By :Mahesh Dadoda 05/06/2025

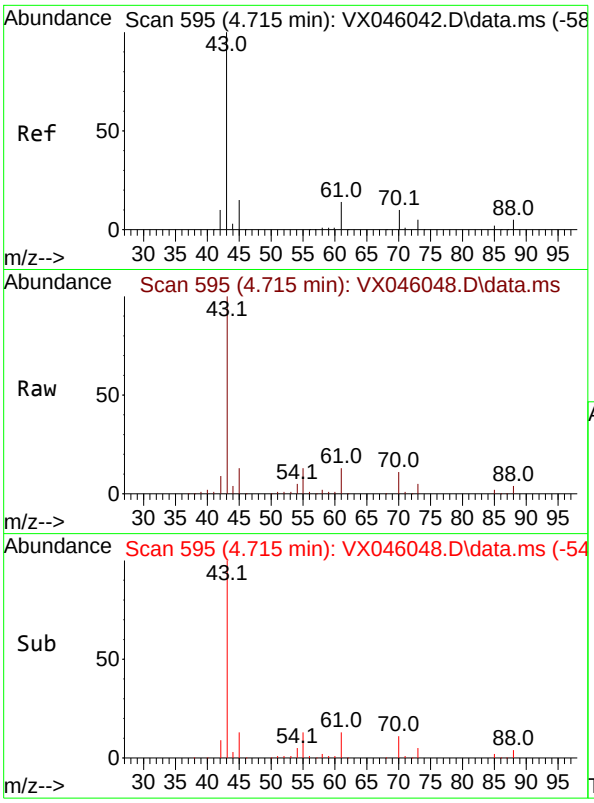


#36
1,1-Dichloropropene
Concen: 49.521 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 77931

Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.3	48.9
77	31.1	24.3	36.5

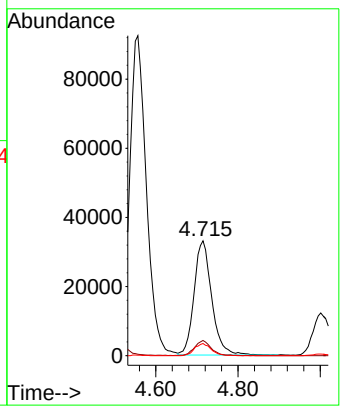




#37
Ethyl Acetate
Concen: 50.714 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 9860

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	10.0	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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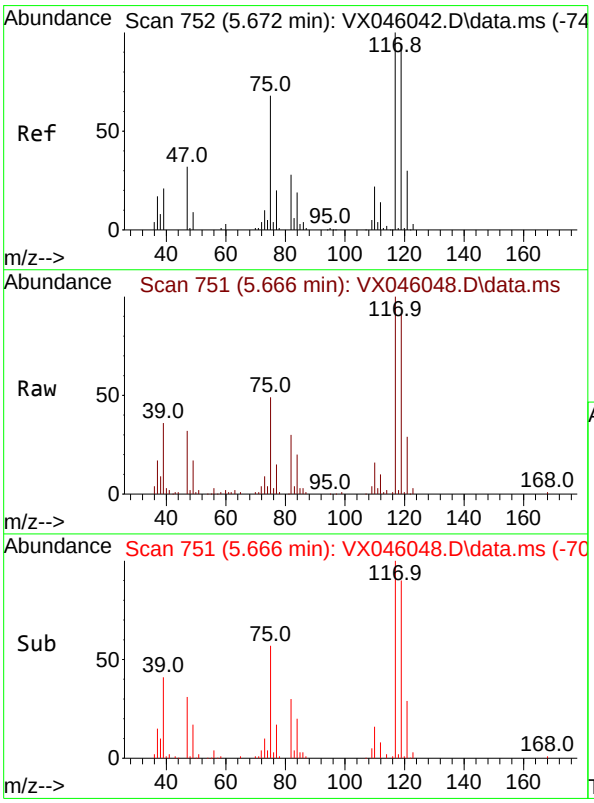
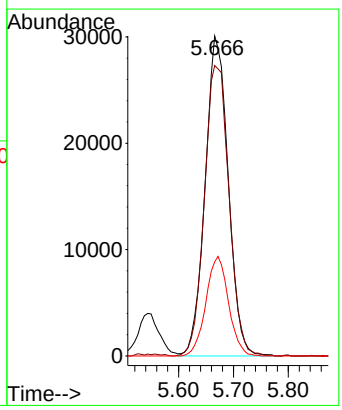
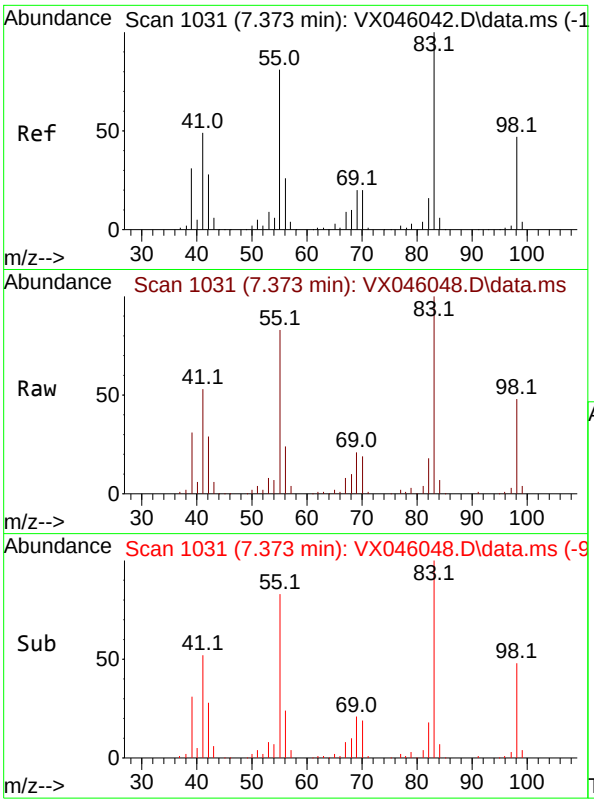


#38
Carbon Tetrachloride
Concen: 49.825 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 88100

Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.2	112.8
121	29.4	24.2	36.4

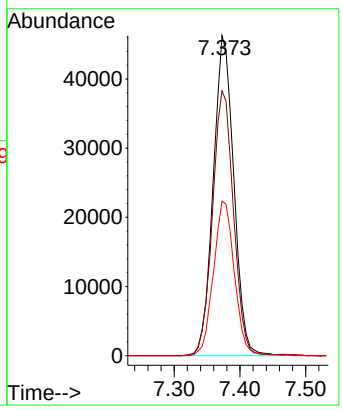




#39
Methylcyclohexane
Concen: 49.757 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 10080

Ion	Ratio	Lower	Upper
83	100		
55	82.7	64.7	97.1
98	48.3	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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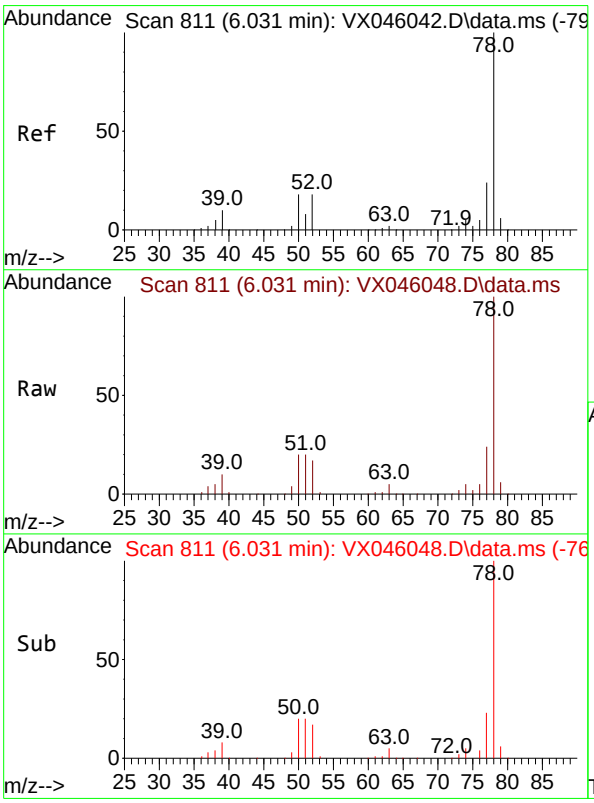
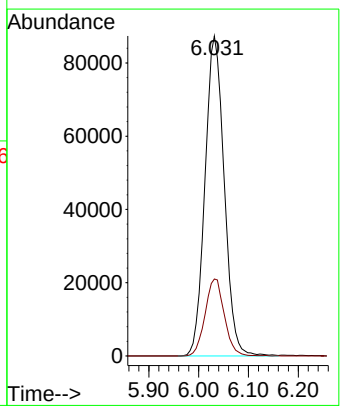
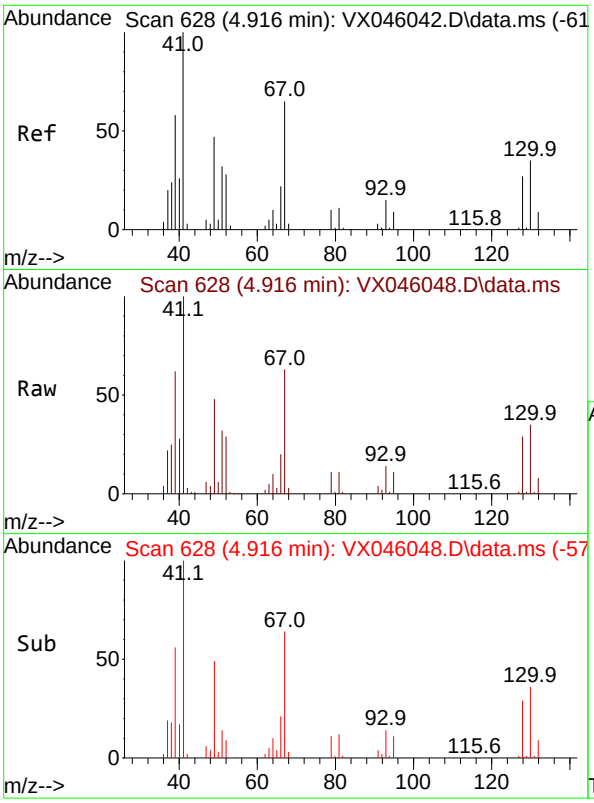


#40
Benzene
Concen: 50.759 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 78 Resp: 233977

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4

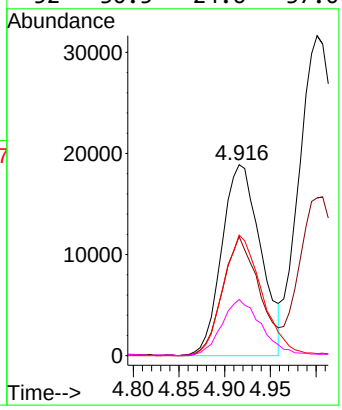




#41
Methacrylonitrile
Concen: 55.076 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 41 Resp: 5601

Ion	Ratio	Lower	Upper
41	100		
39	58.7	47.2	70.8
67	63.7	50.7	76.1
52	30.5	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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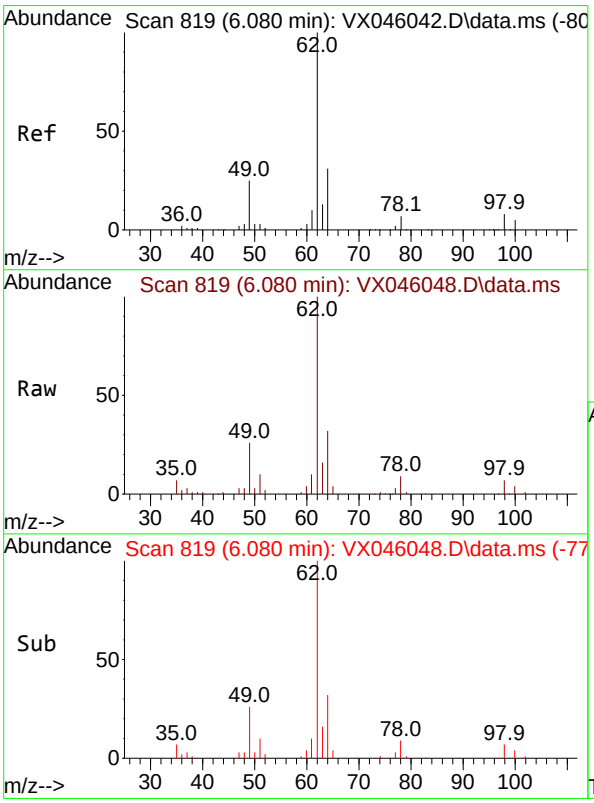
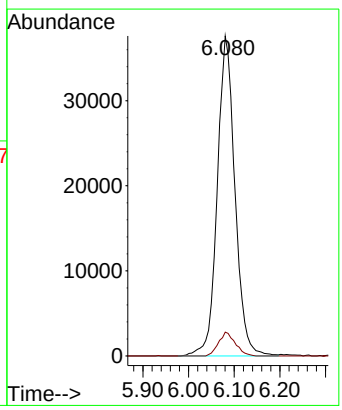
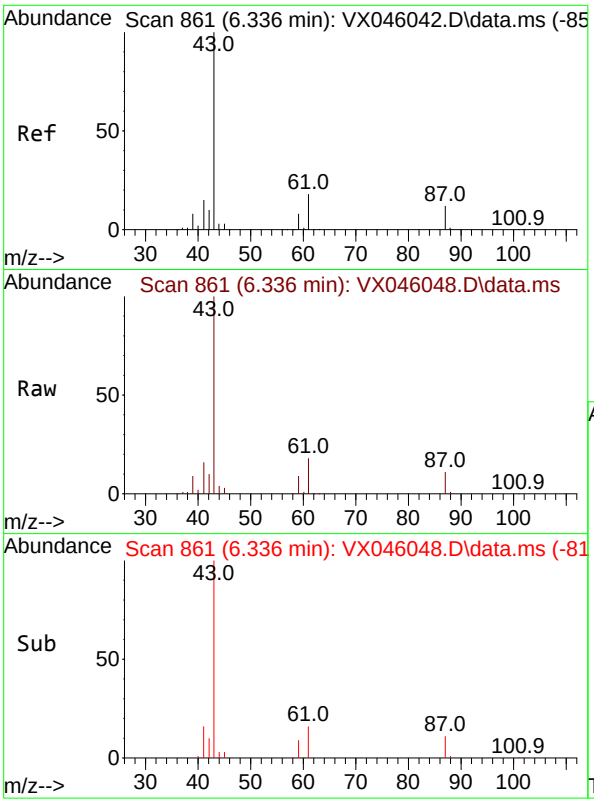


#42
1,2-Dichloroethane
Concen: 50.861 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 62 Resp: 101185

Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	15.2

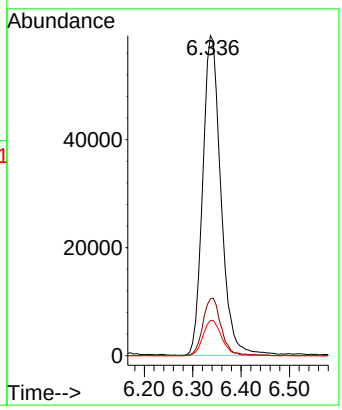




#43
Isopropyl Acetate
Concen: 52.195 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 15481

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.3	21.5
87	11.4	9.5	14.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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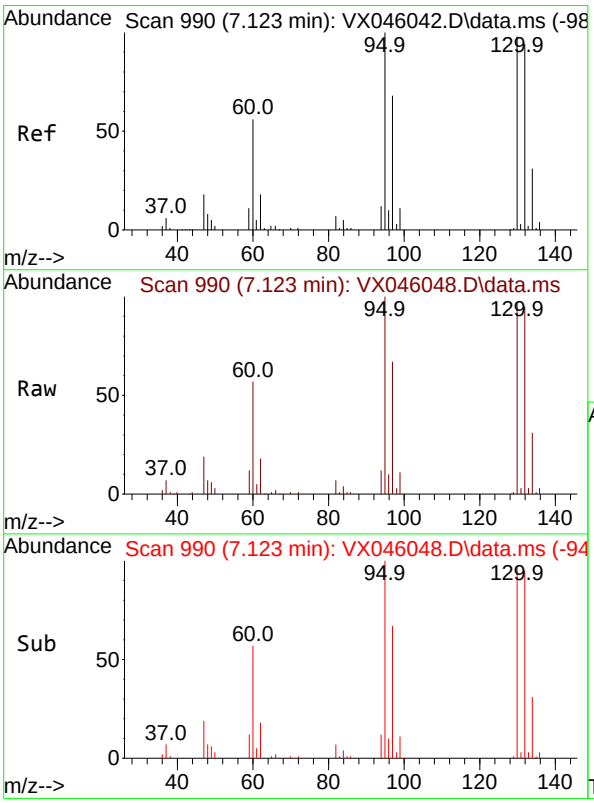
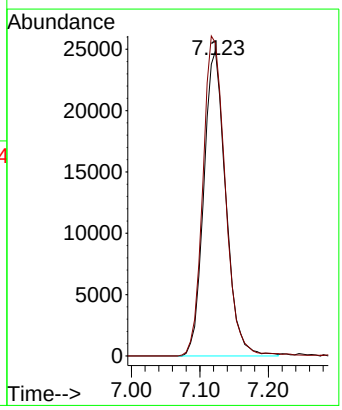
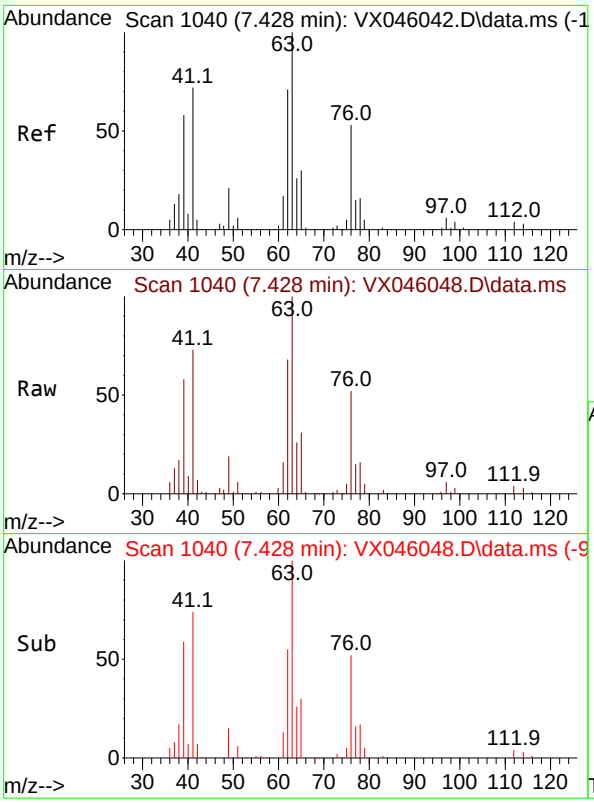


#44
Trichloroethene
Concen: 50.018 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:130 Resp: 55491

Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	204.2

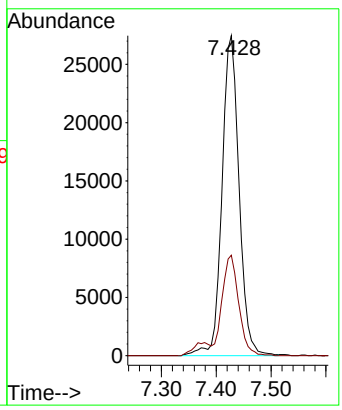




#45
1,2-Dichloropropane
Concen: 51.983 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 5958

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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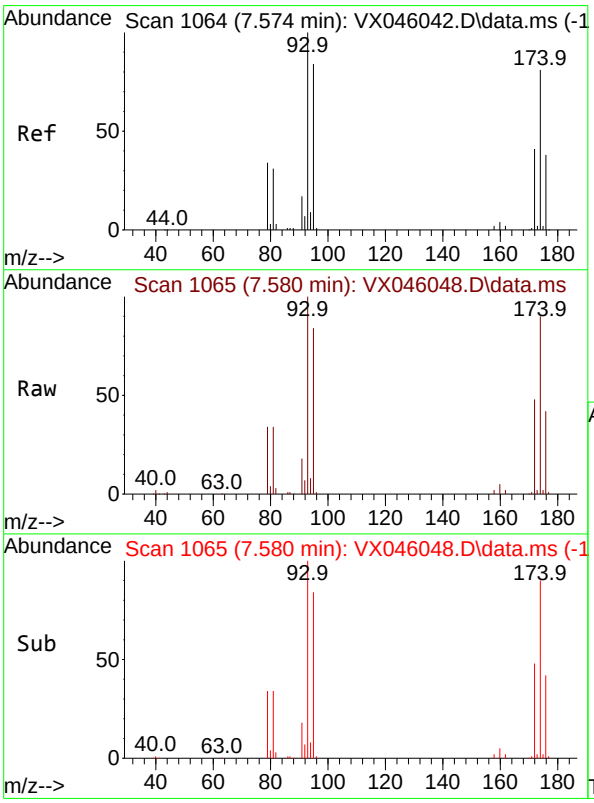
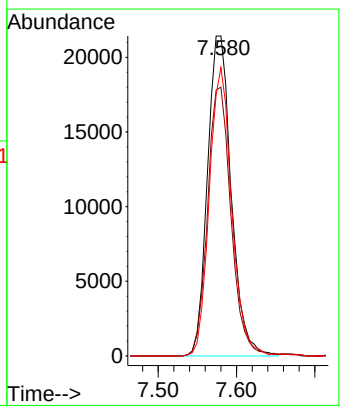
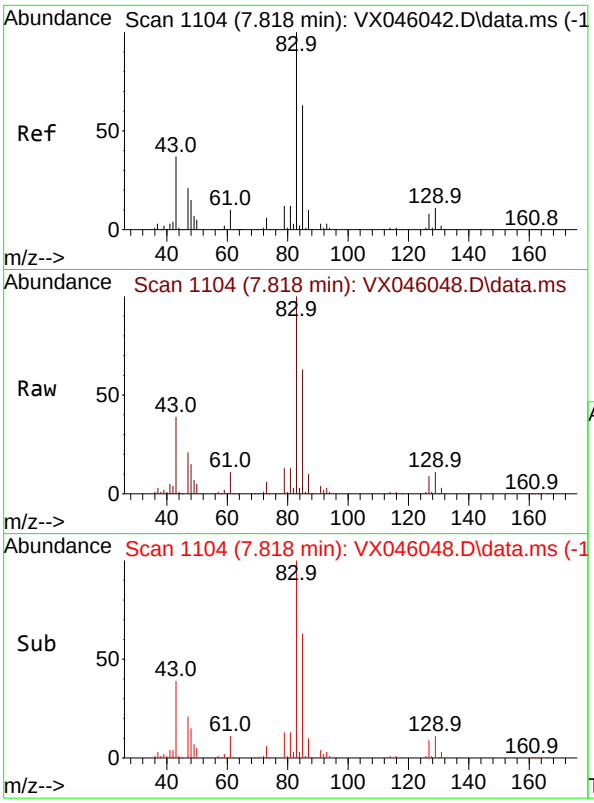


#46
Dibromomethane
Concen: 49.978 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 93 Resp: 45181

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.6	98.4
174	84.8	68.2	102.2

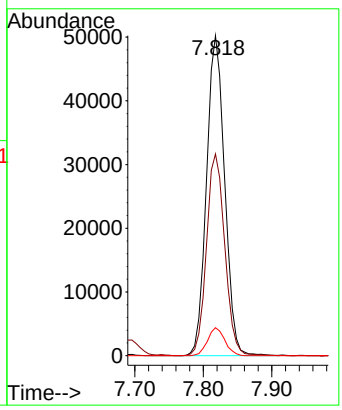




#47
Bromodichloromethane
Concen: 51.889 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 9238

Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.5	75.7
127	8.8	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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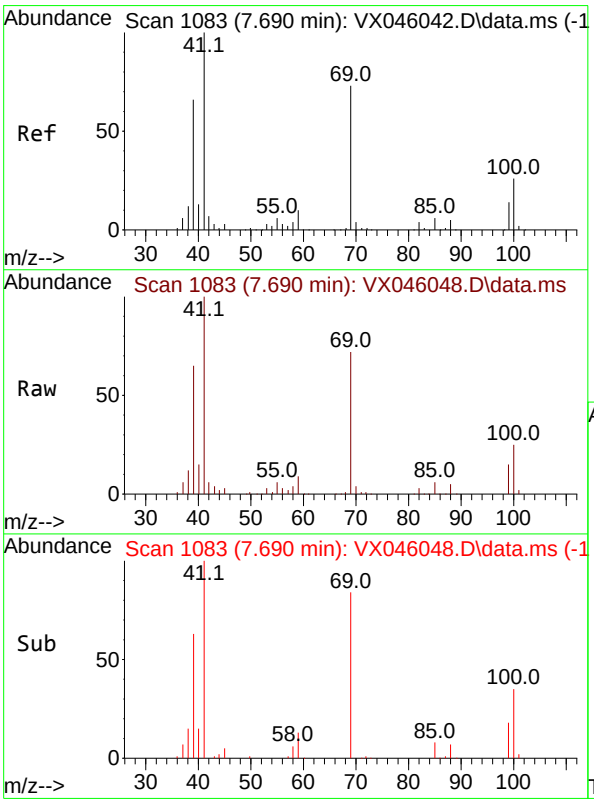
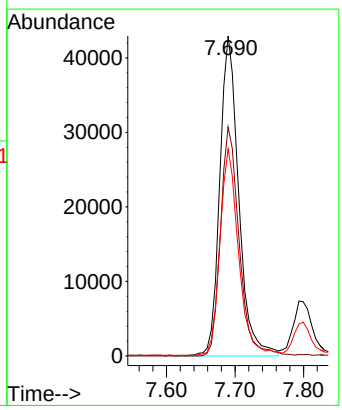
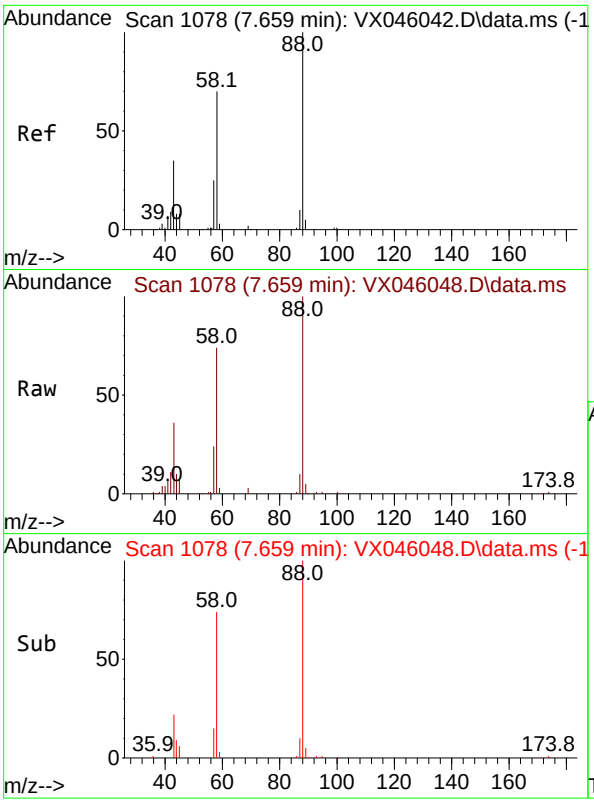


#48
Methyl methacrylate
Concen: 54.226 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 41 Resp: 82144

Ion	Ratio	Lower	Upper
41	100		
69	70.4	58.5	87.7
39	64.2	51.7	77.5

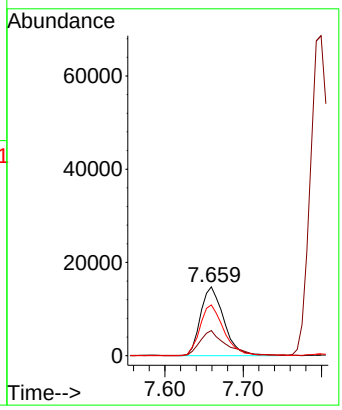




#49
1,4-Dioxane
Concen: 1059.599 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 88 Resp: 3047

Ion	Ratio	Lower	Upper
88	100		
43	39.9	33.4	50.2
58	76.2	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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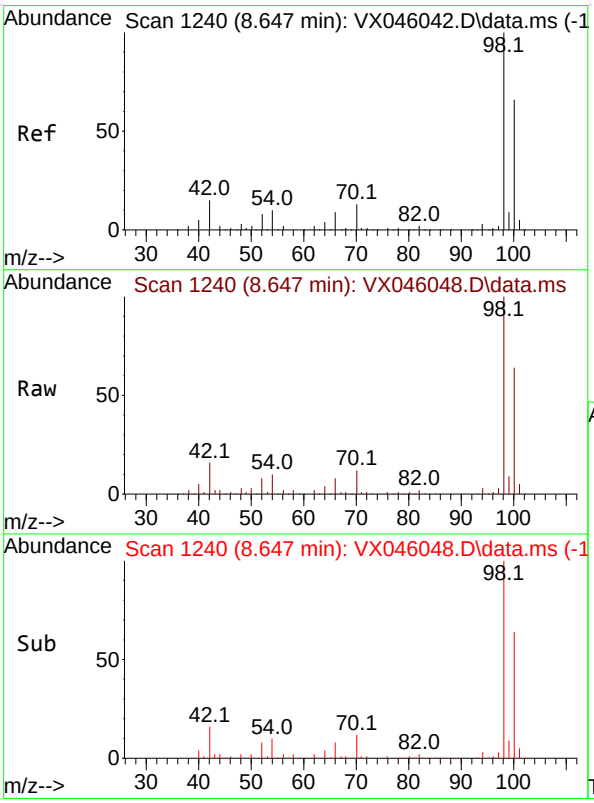
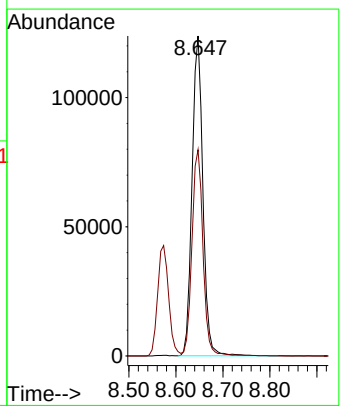
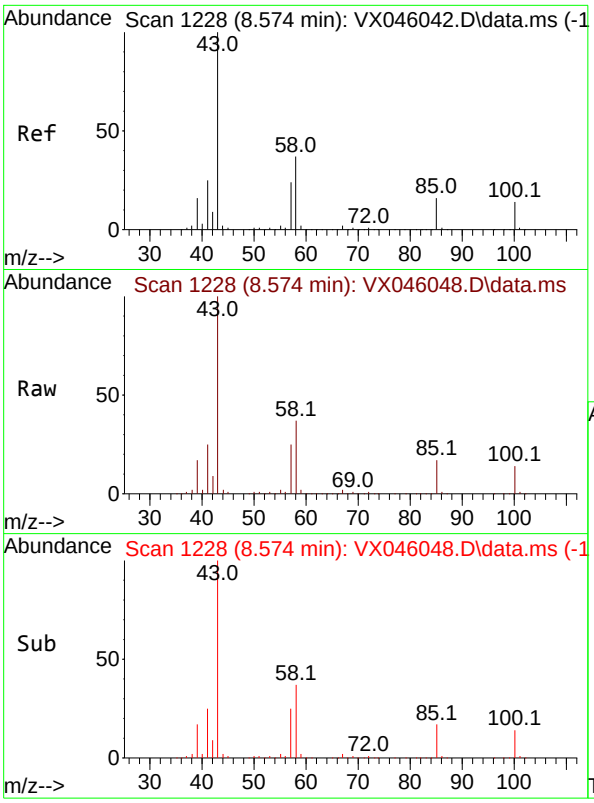


#50
Toluene-d8
Concen: 48.984 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 98 Resp: 198575

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.5	80.3





#51
4-Methyl-2-Pentanone
Concen: 259.133 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 51020

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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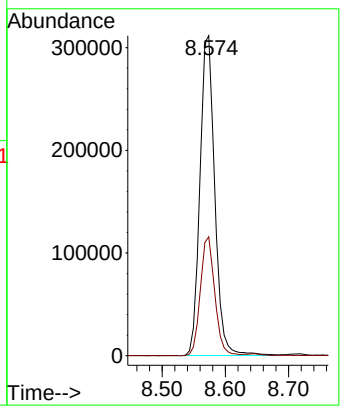
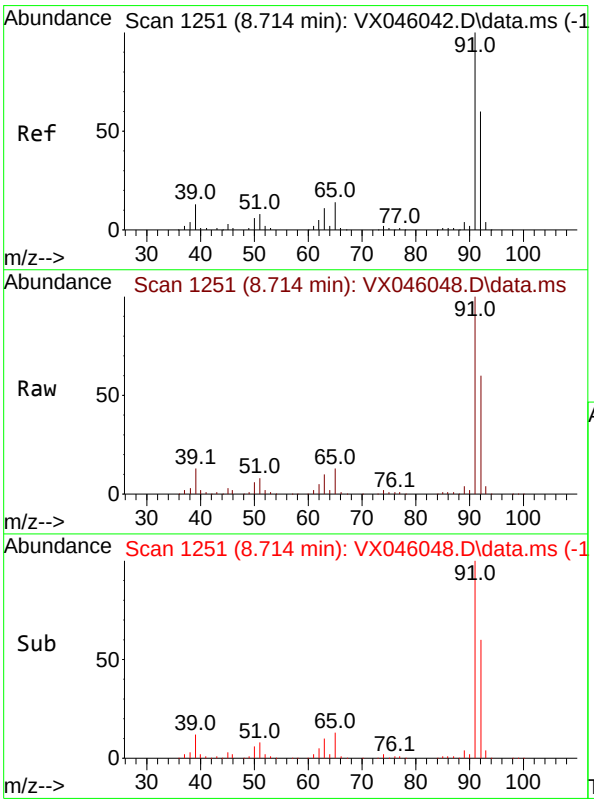
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

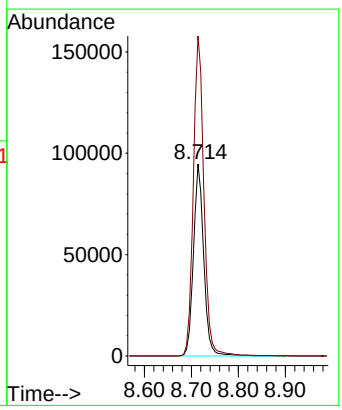


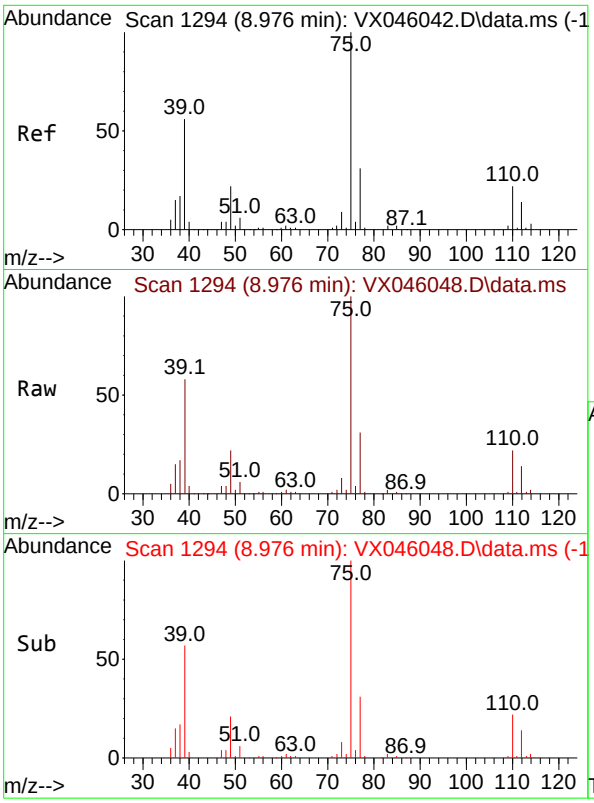


#52
Toluene
Concen: 51.150 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 92 Resp: 144574

Ion	Ratio	Lower	Upper
92	100		
91	171.4	136.6	205.0

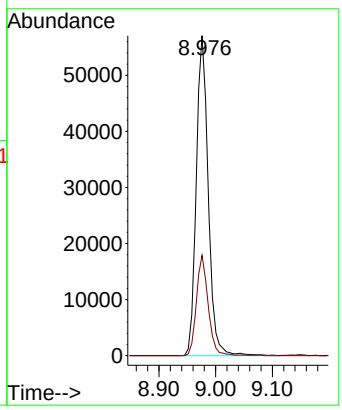




#53
t-1,3-Dichloropropene
Concen: 52.920 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 8375

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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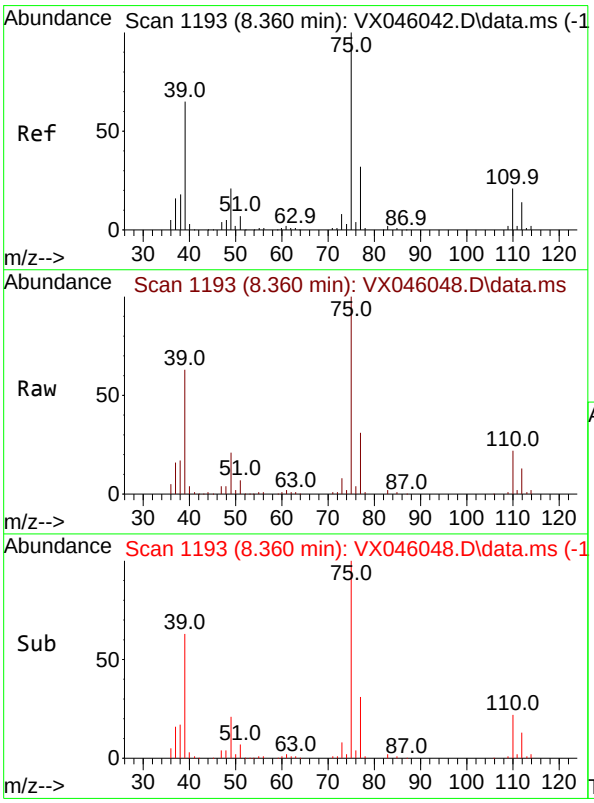
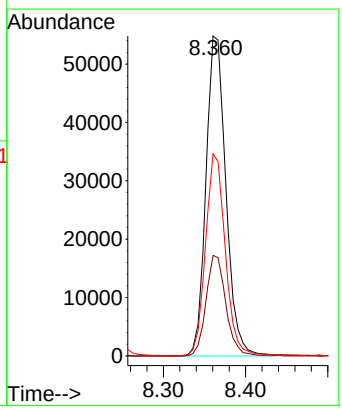
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

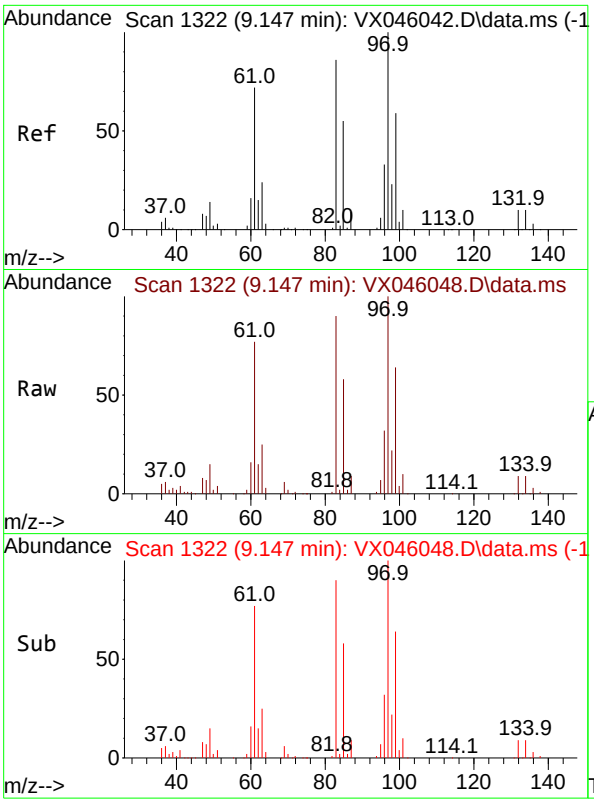


#54
cis-1,3-Dichloropropene
Concen: 52.892 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 92517

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	63.2	52.2	78.4

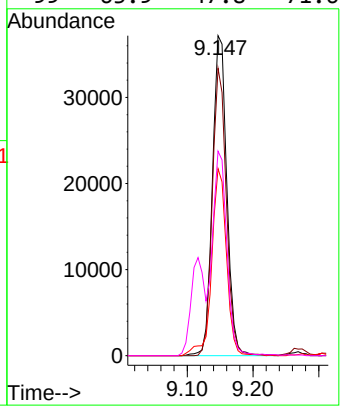




#55
1,1,2-Trichloroethane
Concen: 50.887 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 97 Resp: 5671

Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.0	103.6
85	58.4	44.3	66.5
99	63.9	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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Reviewed By :John Carlone 05/06/2025
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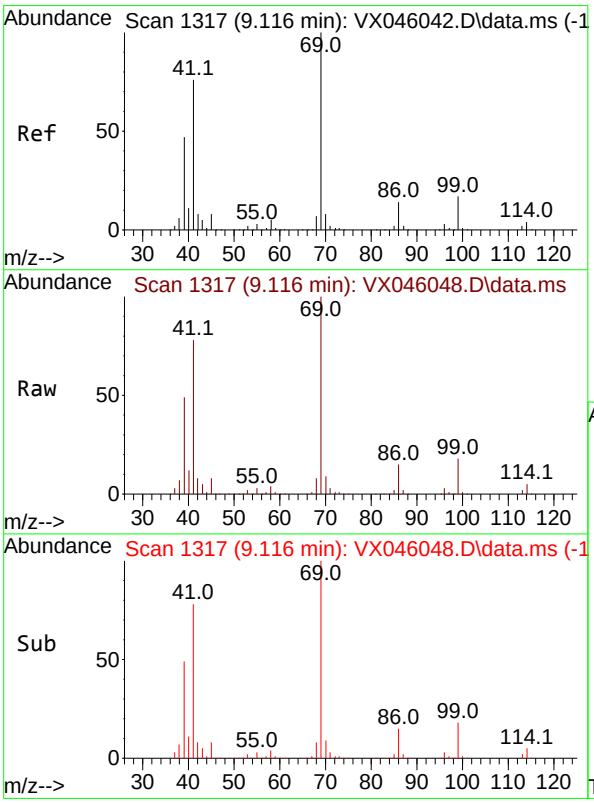
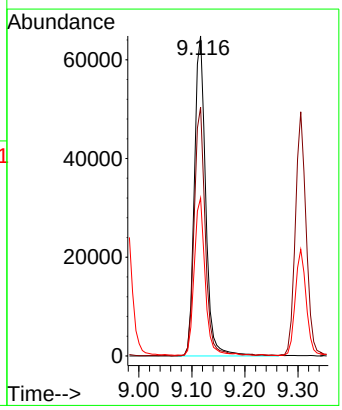
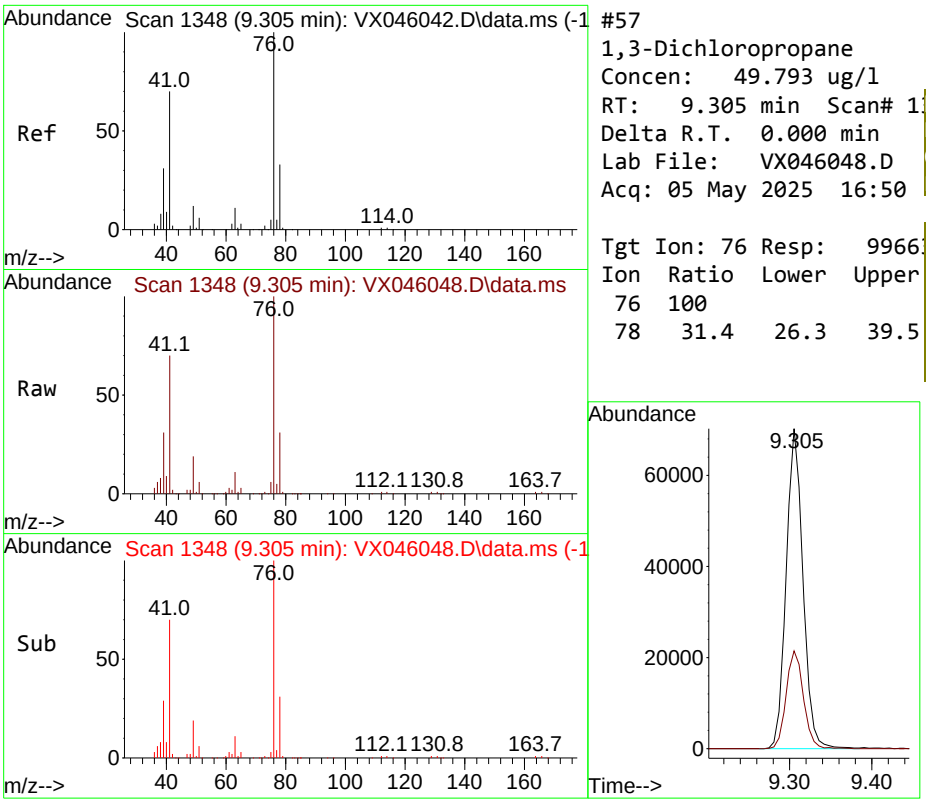


#56
Ethyl methacrylate
Concen: 53.918 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 69 Resp: 95772

Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.8	91.2
39	47.4	39.0	58.6





#57
1,3-Dichloropropane
Concen: 49.793 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 76 Resp: 9966

Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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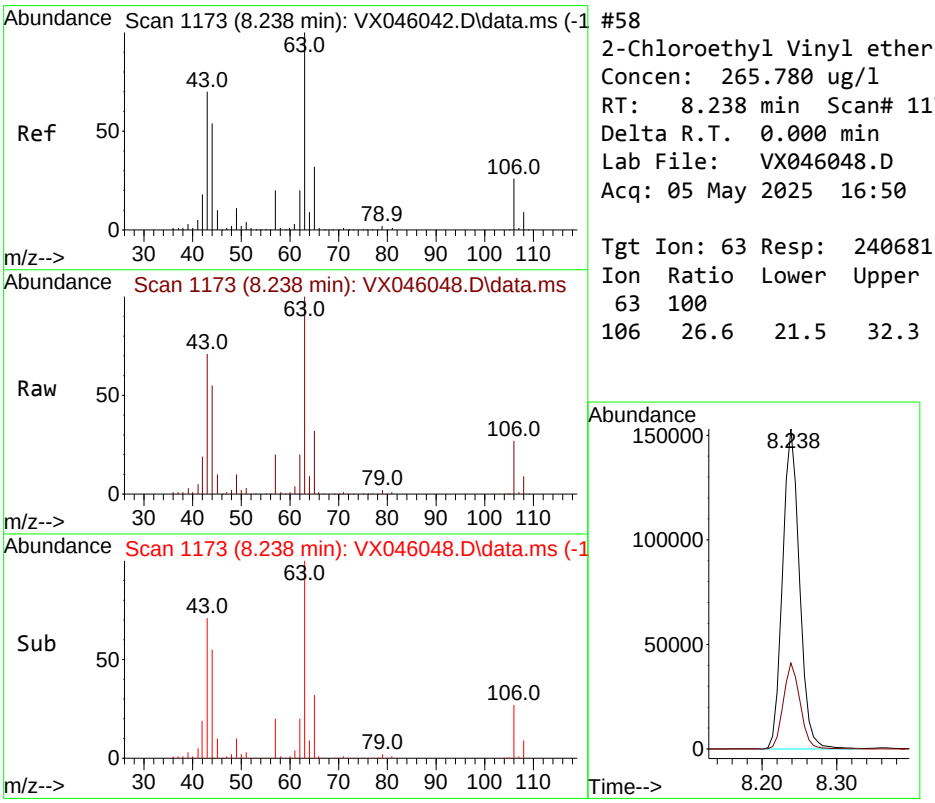
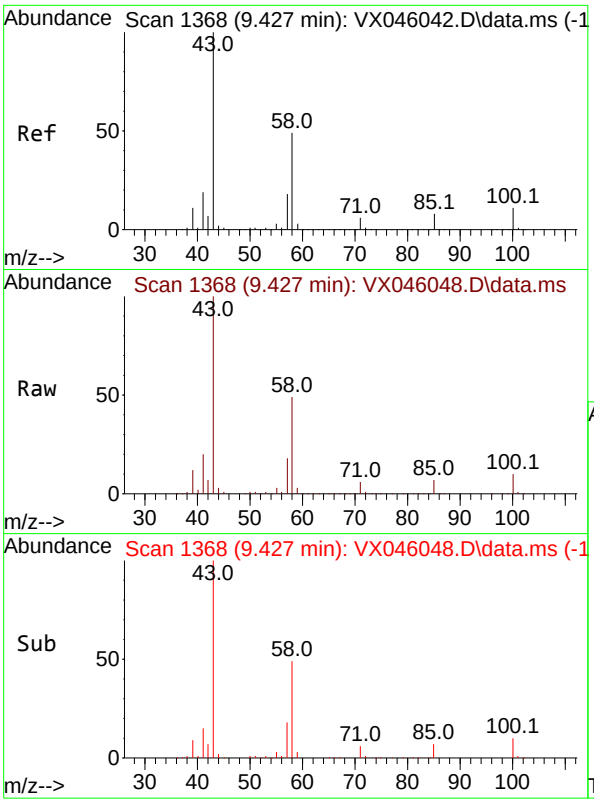


#58
2-Chloroethyl Vinyl ether
Concen: 265.780 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 240681

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.5	32.3



#59
2-Hexanone
Concen: 268.218 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 39070

Ion	Ratio	Lower	Upper
43	100		
58	49.6	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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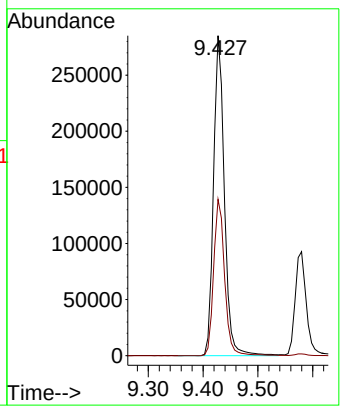
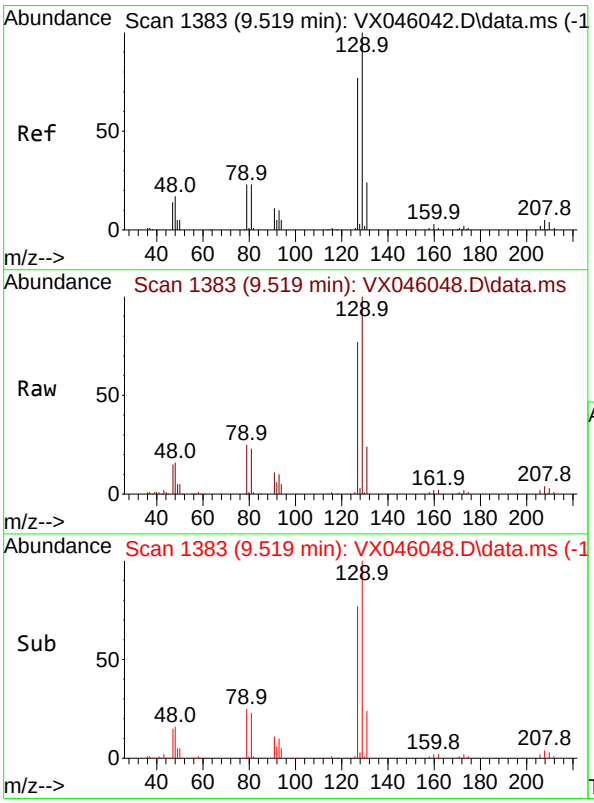
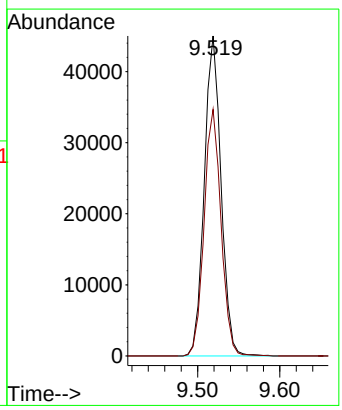


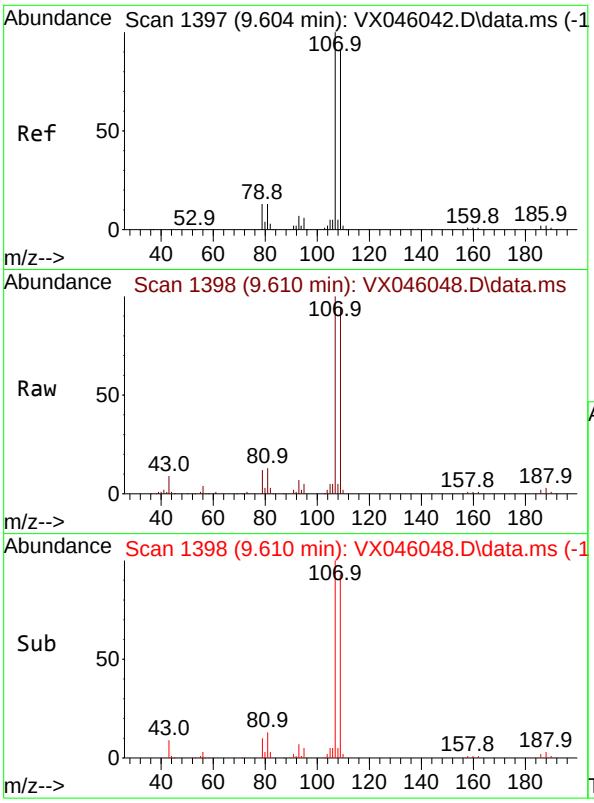


#60
Dibromochloromethane
Concen: 52.075 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:129 Resp: 63738

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.3	117.8

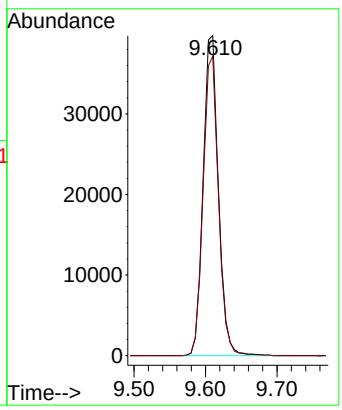




#61
1,2-Dibromoethane
Concen: 51.050 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:107 Resp: 5913

Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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Reviewed By :John Carlone 05/06/2025
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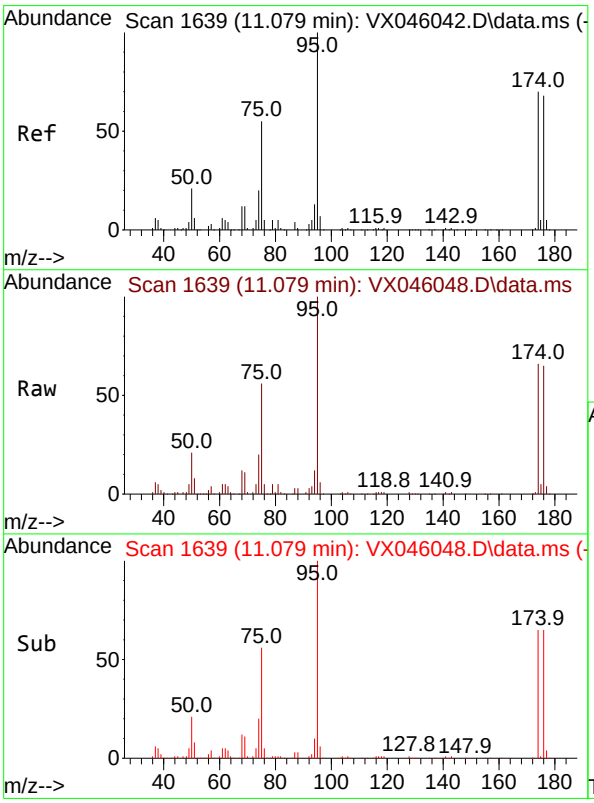
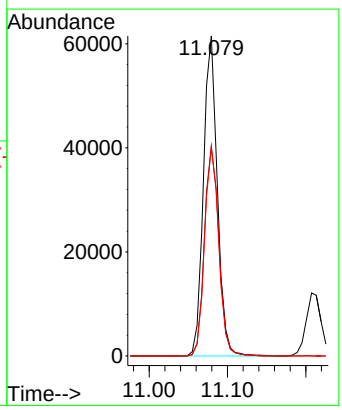
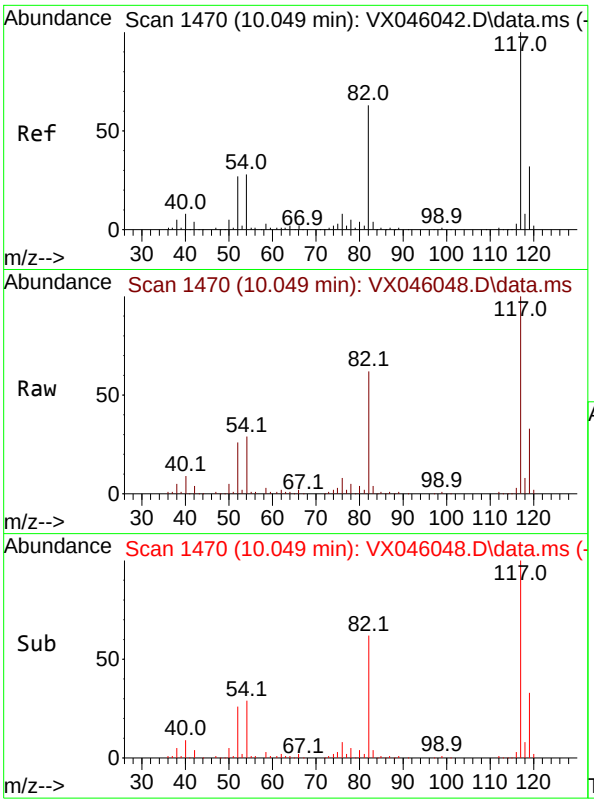


#62
4-Bromofluorobenzene
Concen: 48.596 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 95 Resp: 75568

Ion	Ratio	Lower	Upper
95	100		
174	68.2	0.0	135.8
176	66.5	0.0	131.4

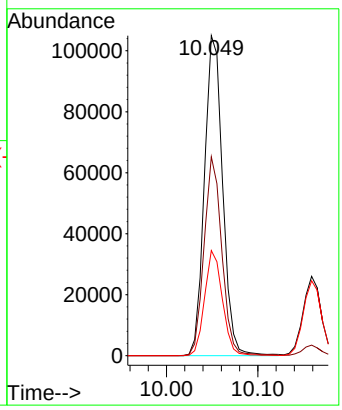




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 14507

Ion	Ratio	Lower	Upper
117	100		
82	62.1	50.6	76.0
119	32.9	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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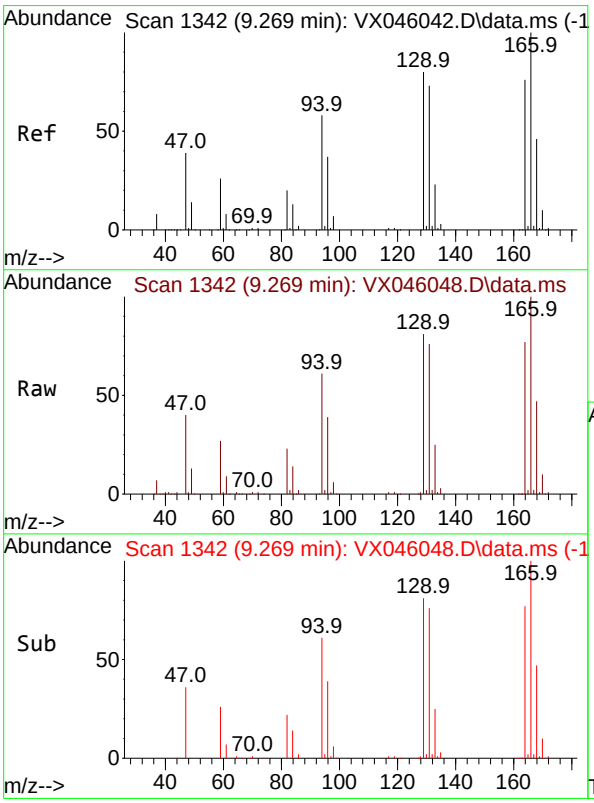
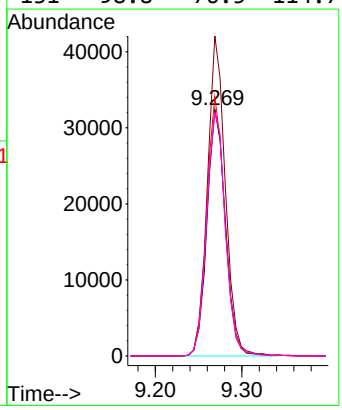
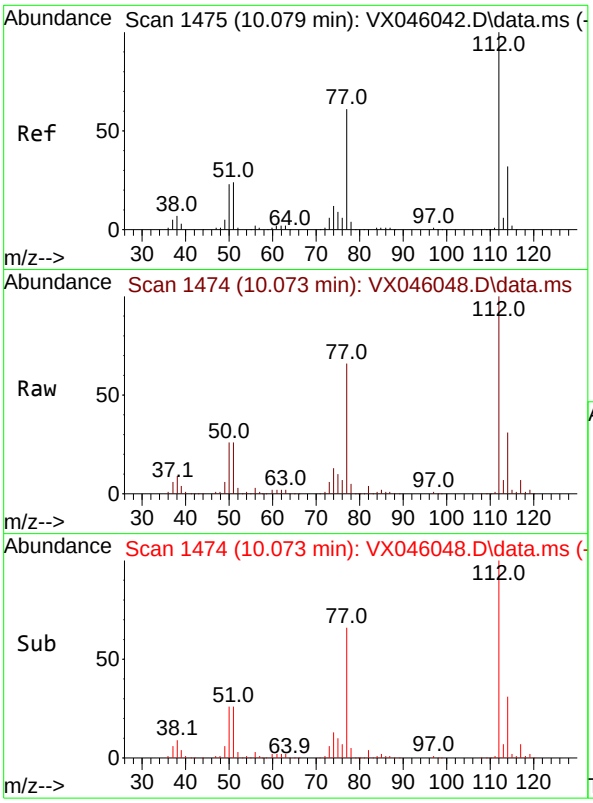


#64
Tetrachloroethene
Concen: 46.795 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:164 Resp: 48034

Ion	Ratio	Lower	Upper
164	100		
166	129.9	105.0	157.6
129	105.3	83.5	125.3
131	98.8	76.5	114.7





#65
Chlorobenzene
Concen: 48.699 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:112 Resp: 15464

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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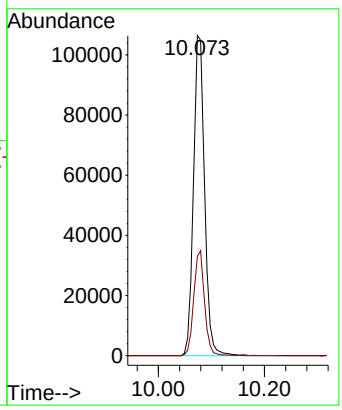
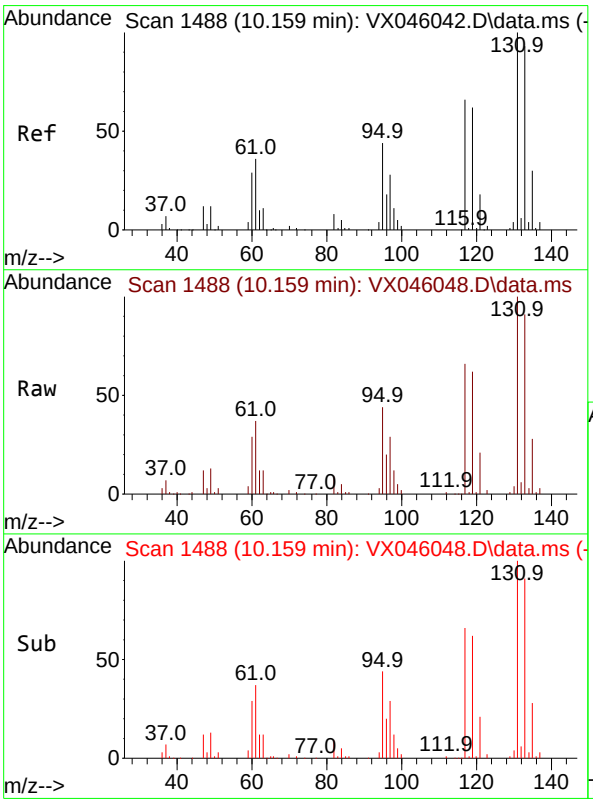
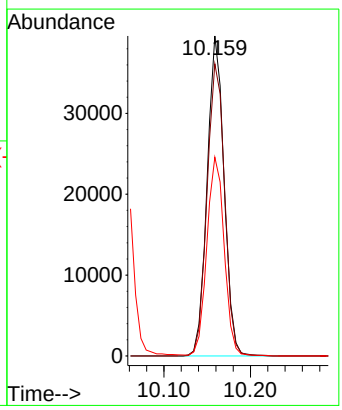


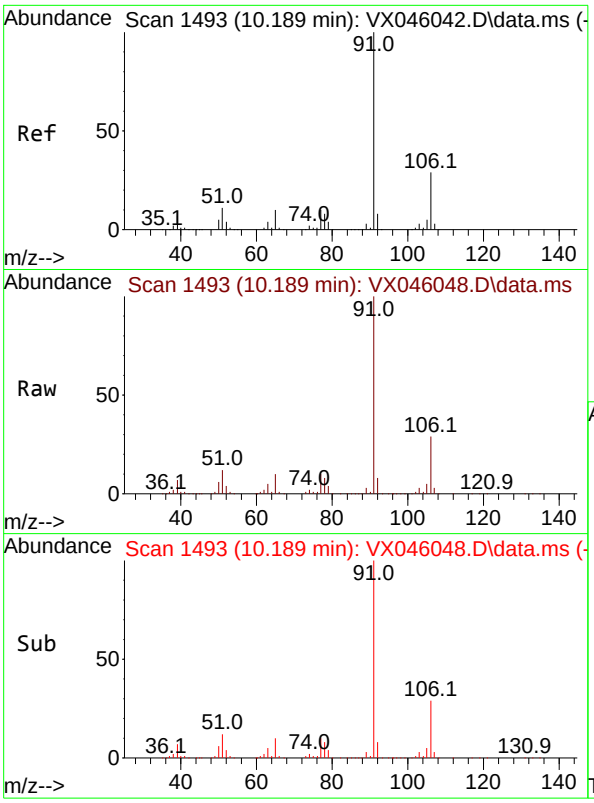


#66
1,1,1,2-Tetrachloroethane
Concen: 49.557 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:131 Resp: 53735

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	63.7	31.6	95.0

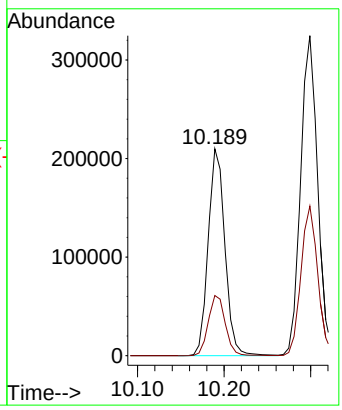




#67
Ethyl Benzene
Concen: 50.245 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 28123

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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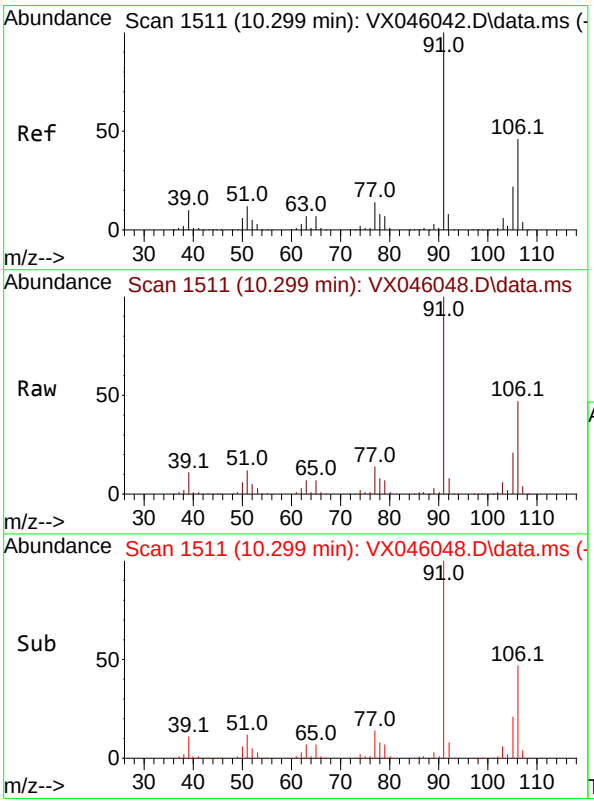
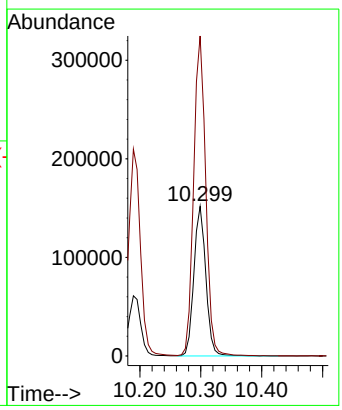
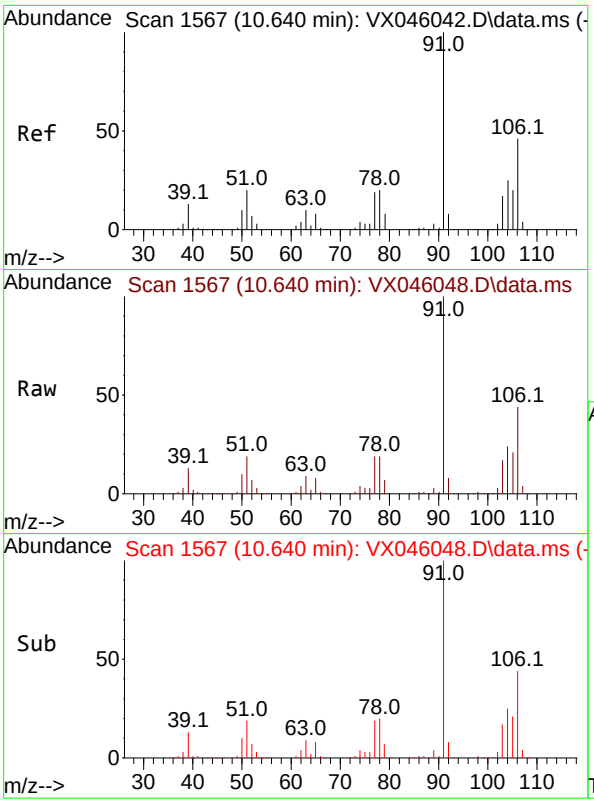


#68
m/p-Xylenes
Concen: 101.022 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:106 Resp: 206813

Ion	Ratio	Lower	Upper
106	100		
91	215.6	171.2	256.8

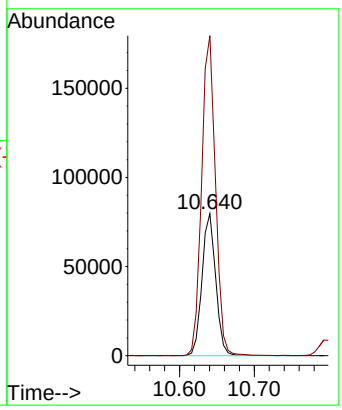




#69
o-Xylene
Concen: 50.841 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:106 Resp: 10146

Ion	Ratio	Lower	Upper
106	100		
91	227.7	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

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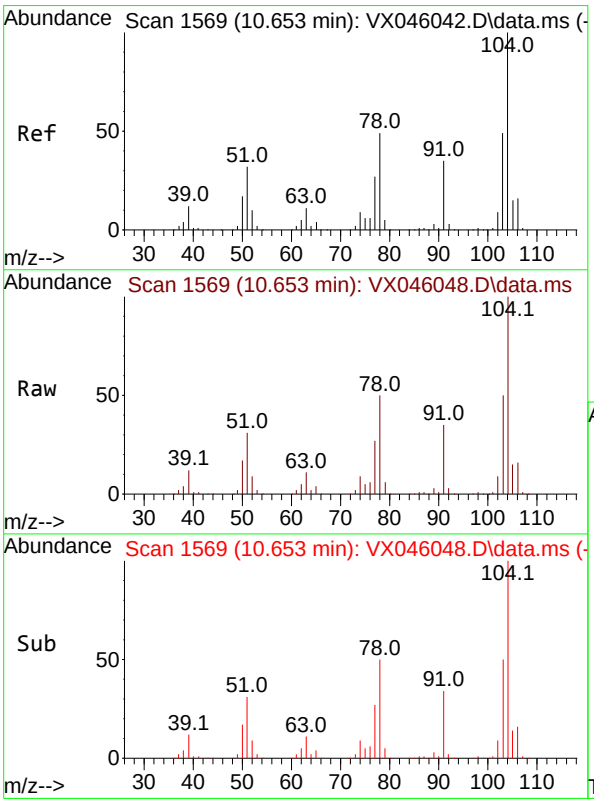
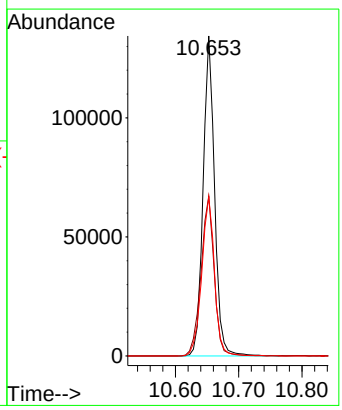
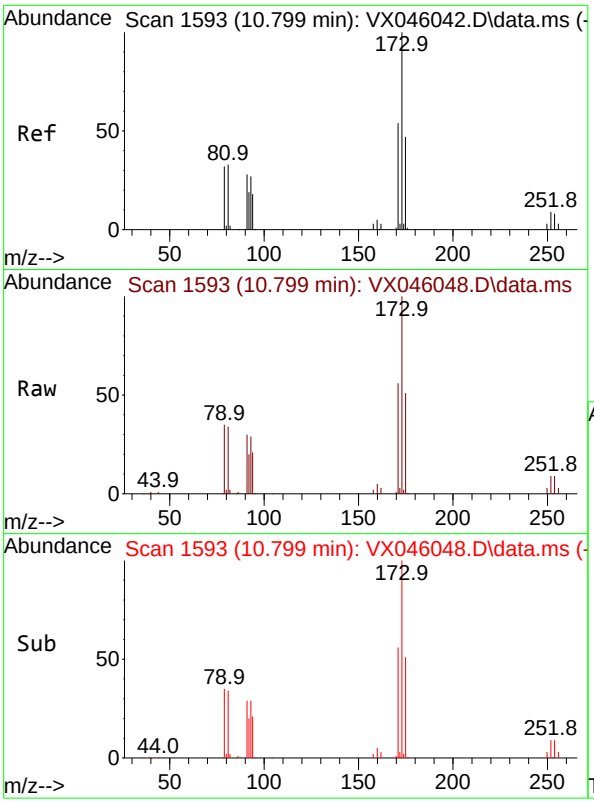


#70
Styrene
Concen: 51.907 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:104 Resp: 169703

Ion	Ratio	Lower	Upper
104	100		
78	57.6	45.7	68.5
103	55.5	43.7	65.5

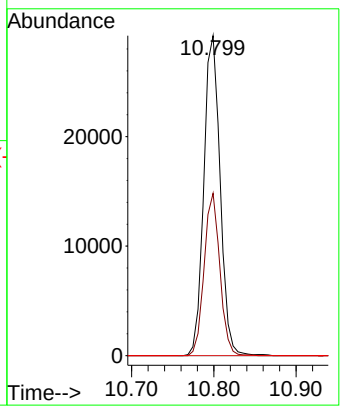




#71
Bromoform
Concen: 49.583 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:173 Resp: 4036

Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

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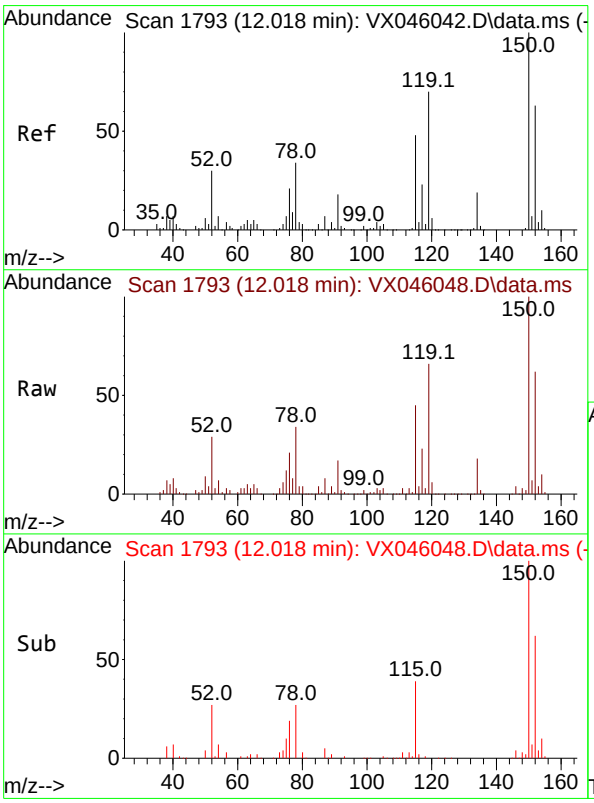
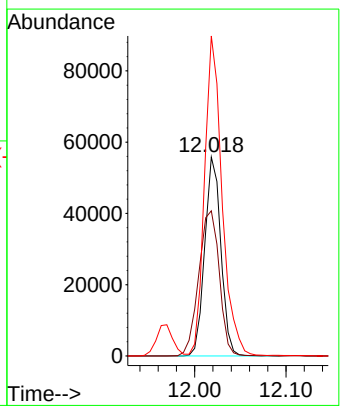
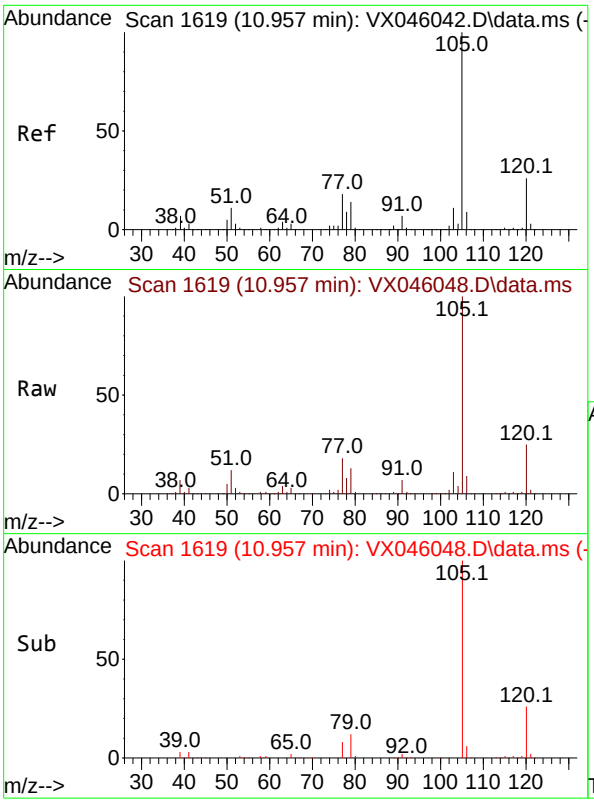


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:152 Resp: 68229

Ion	Ratio	Lower	Upper
152	100		
115	93.3	46.9	140.7
150	175.3	0.0	351.0





#73
Isopropylbenzene
Concen: 50.733 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

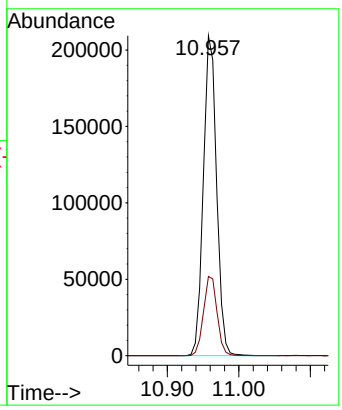
Tgt Ion:105 Resp: 26948

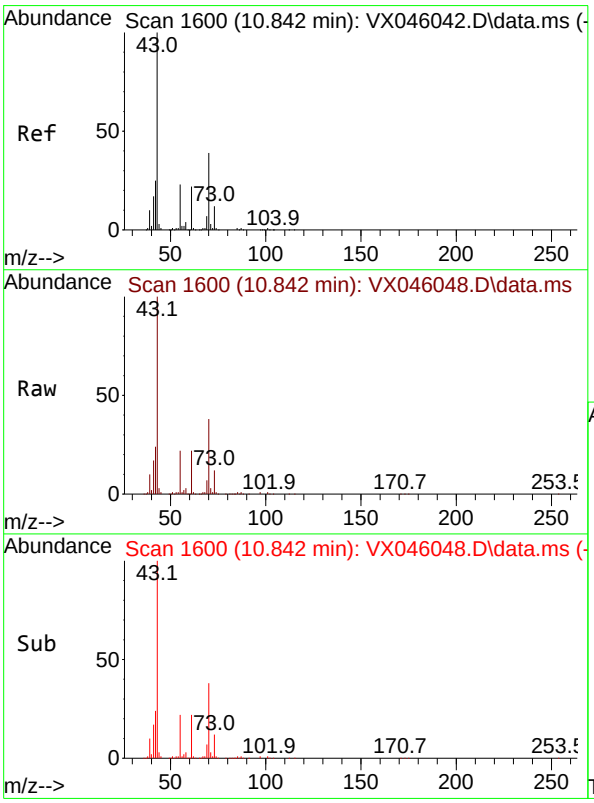
Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

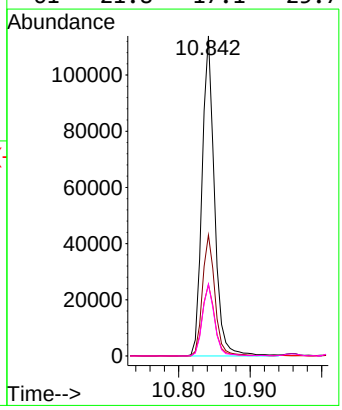


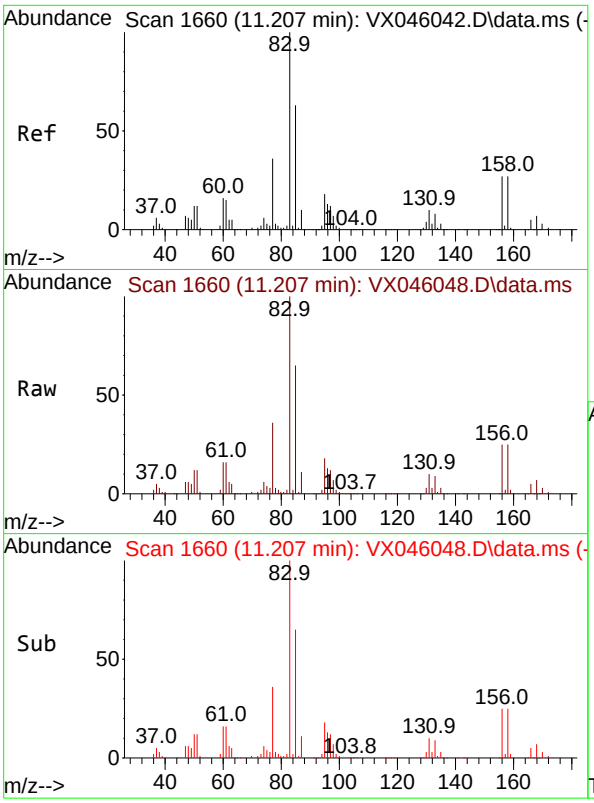


#74
N-amyl acetate
Concen: 52.407 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 137559

Ion	Ratio	Lower	Upper
43	100		
70	37.9	30.9	46.3
55	22.7	18.7	28.1
61	21.8	17.1	25.7

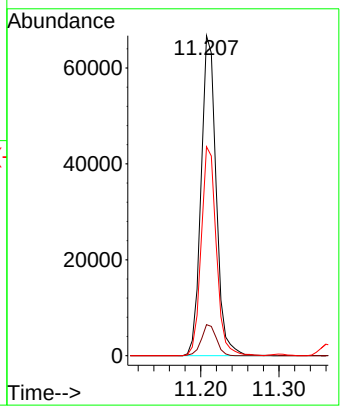




#75
1,1,2,2-Tetrachloroethane
Concen: 47.827 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 8902

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	65.5	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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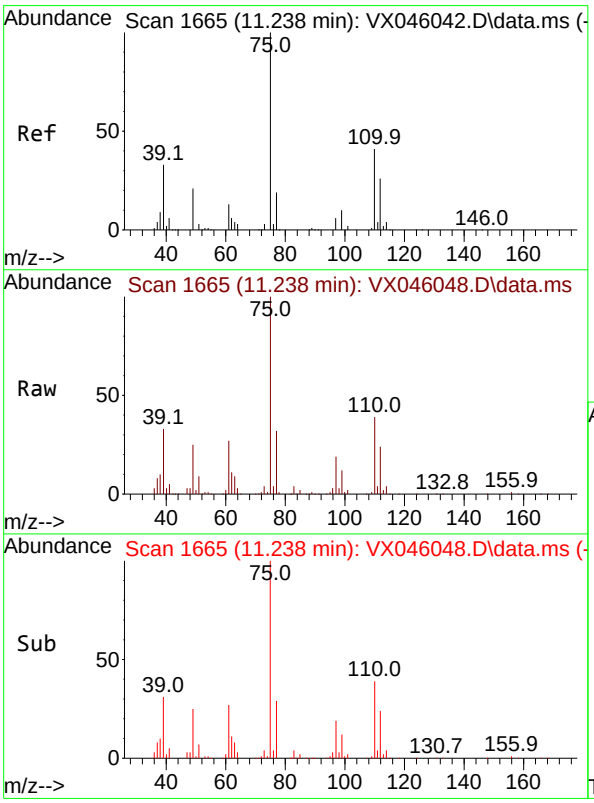
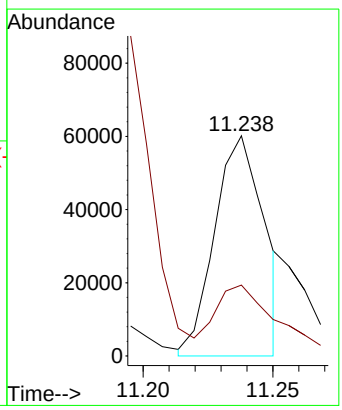
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

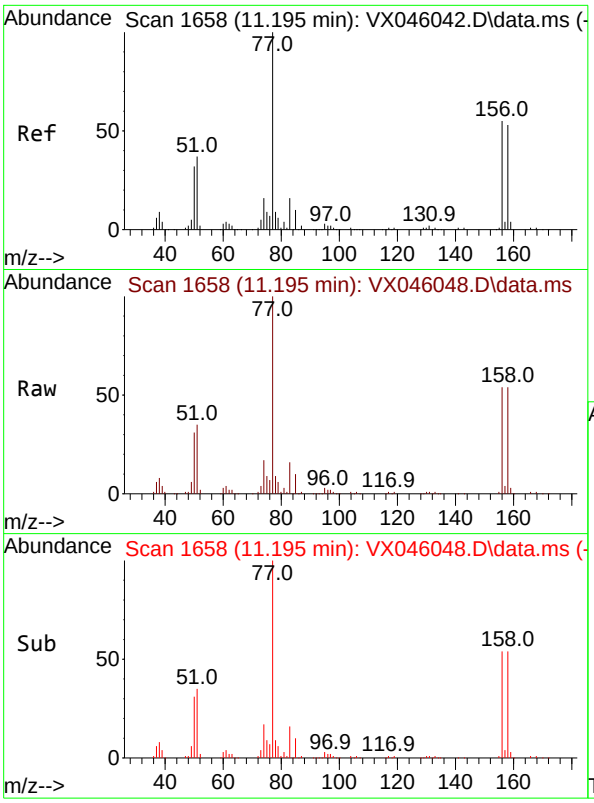


#76
1,2,3-Trichloropropane
Concen: 48.568 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 79763

Ion	Ratio	Lower	Upper
75	100		
77	40.8	20.5	61.5

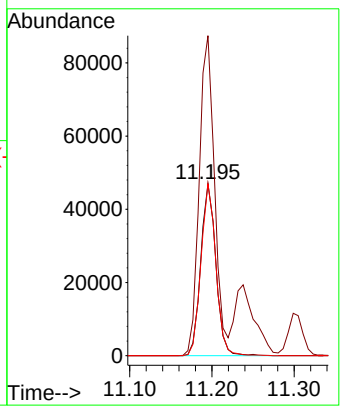




#77
Bromobenzene
Concen: 48.549 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:156 Resp: 5987

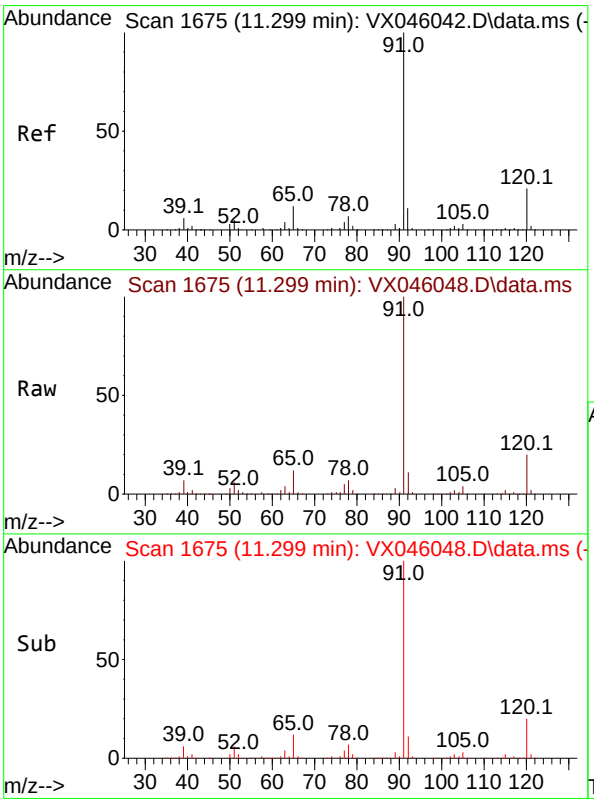
Ion	Ratio	Lower	Upper
156	100		
77	189.0	92.8	278.3
158	98.9	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

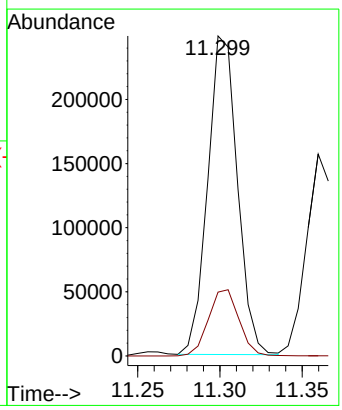
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

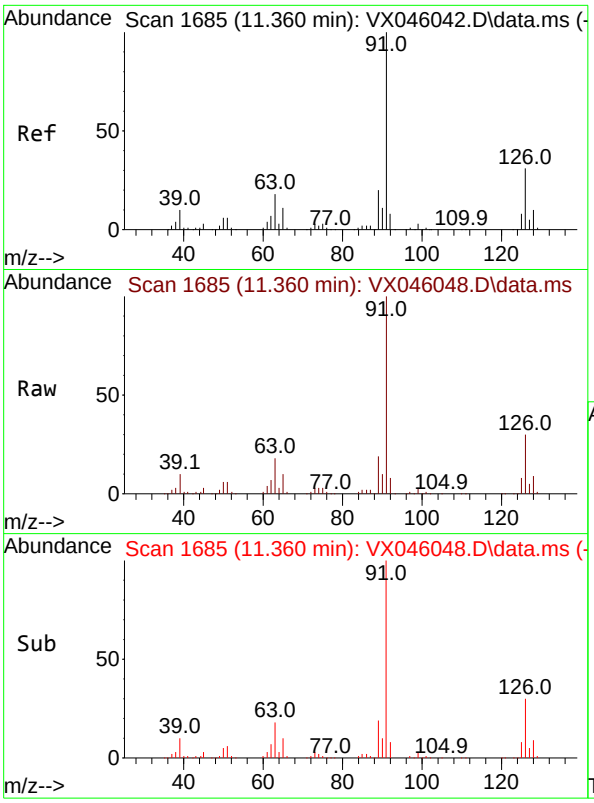


#78
n-propylbenzene
Concen: 50.562 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 312285

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.4

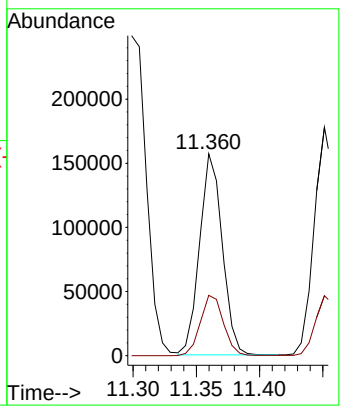




#79
2-Chlorotoluene
Concen: 49.107 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 19563

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

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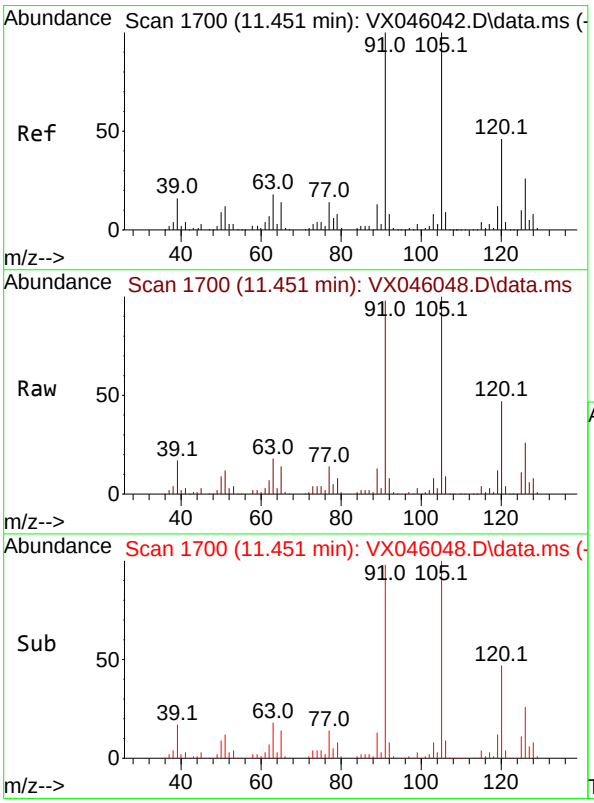
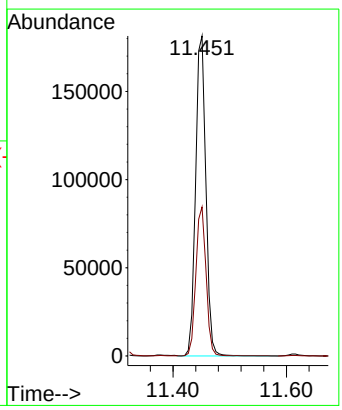
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

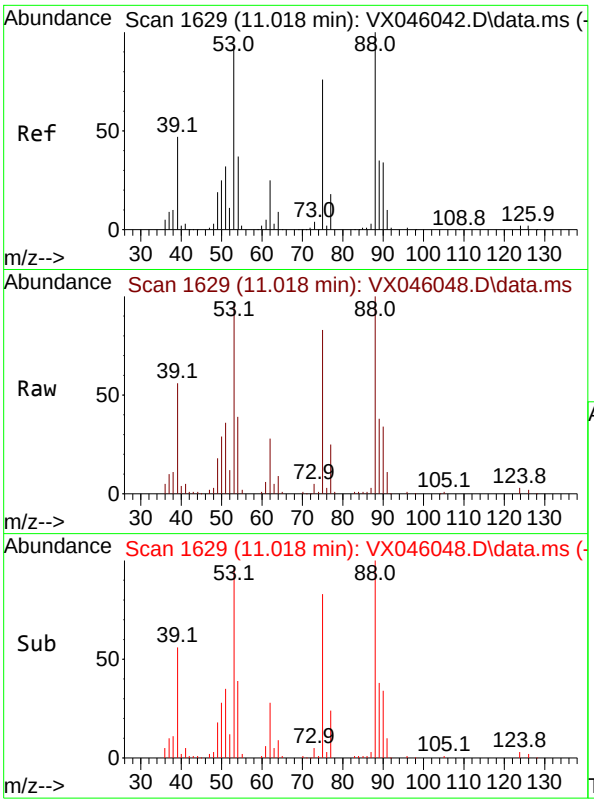


#80
1,3,5-Trimethylbenzene
Concen: 51.500 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 228538

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2

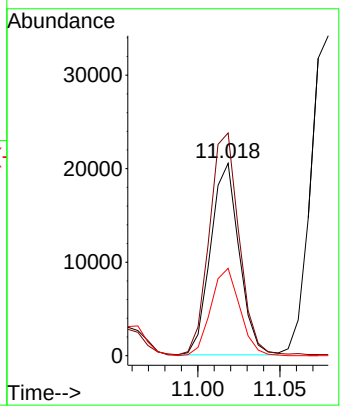




#81
trans-1,4-Dichloro-2-butene
Concen: 49.276 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 2485

Ion	Ratio	Lower	Upper
75	100		
53	122.3	100.5	150.7
89	46.2	37.0	55.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
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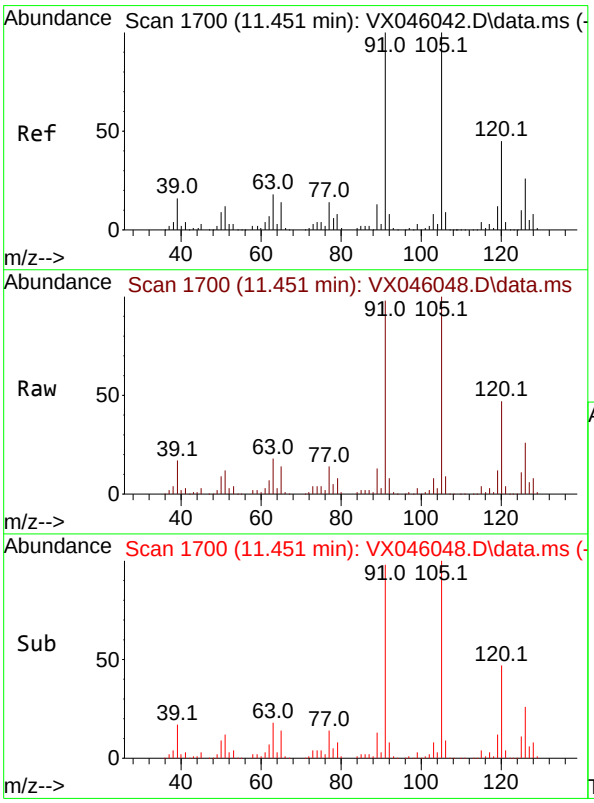
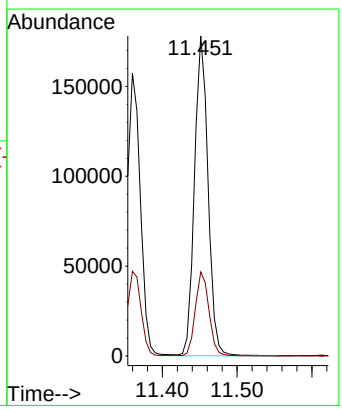
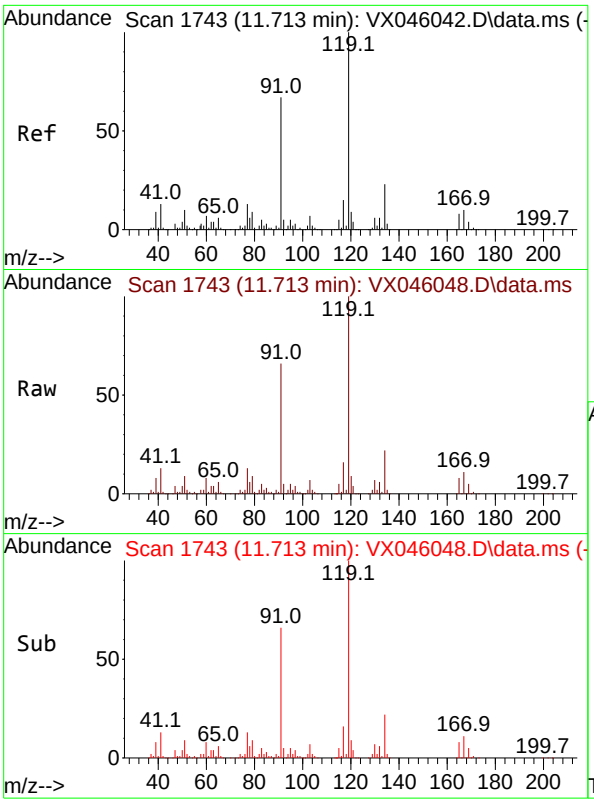


#82
4-Chlorotoluene
Concen: 50.661 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 223811

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8





#83
tert-Butylbenzene
Concen: 50.511 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

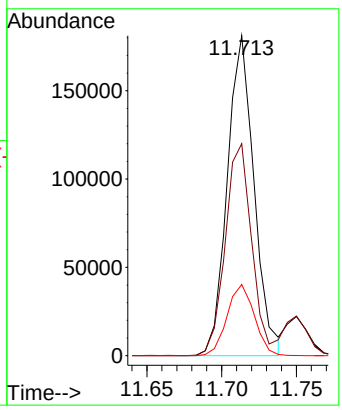
Tgt Ion:119 Resp: 22578

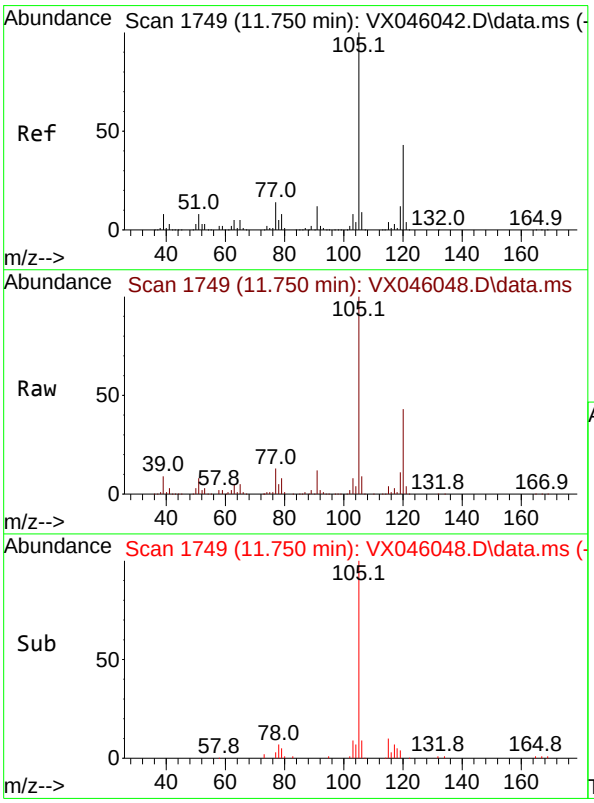
Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.9	98.7
134	22.6	11.4	34.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

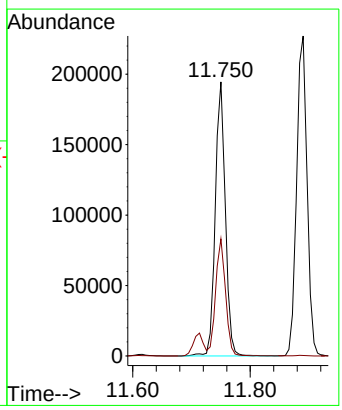


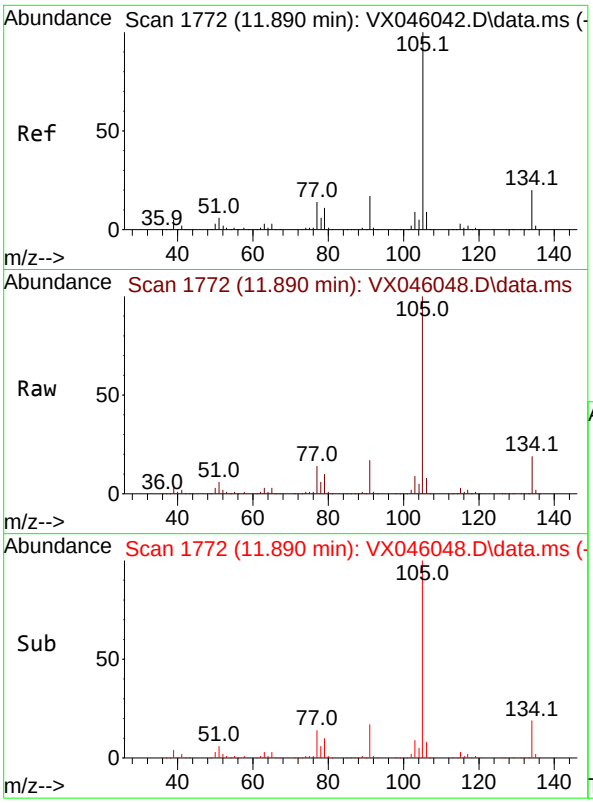


#84
1,2,4-Trimethylbenzene
Concen: 51.485 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 231371

Ion	Ratio	Lower	Upper
105	100		
120	42.3	21.2	63.6





#85
sec-Butylbenzene
Concen: 51.122 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 28057

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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Reviewed By :John Carlone 05/06/2025
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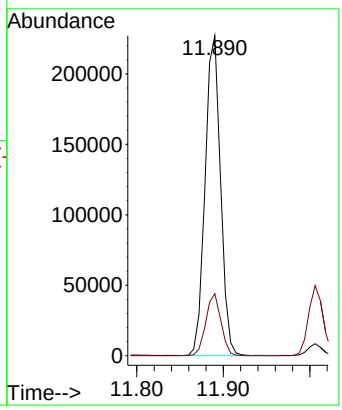
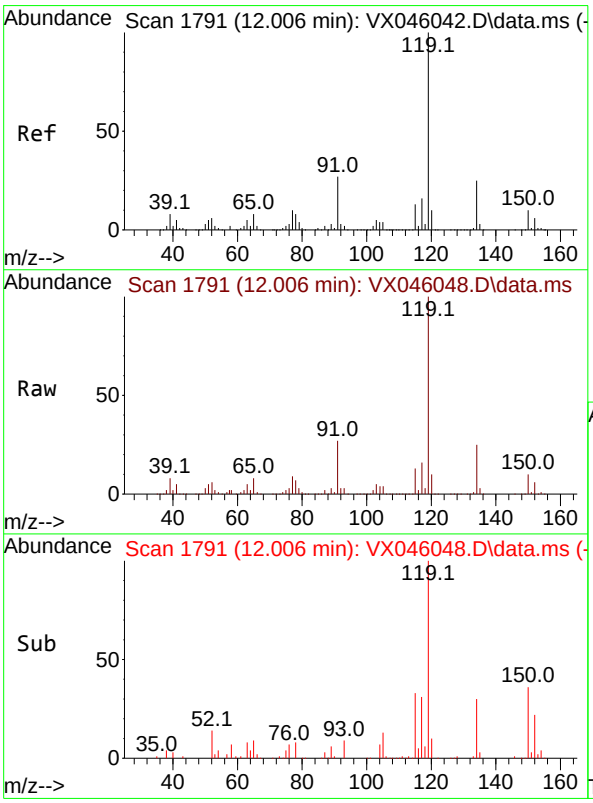
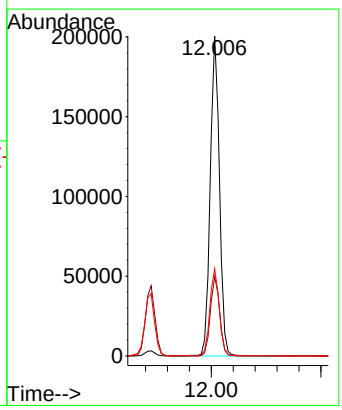


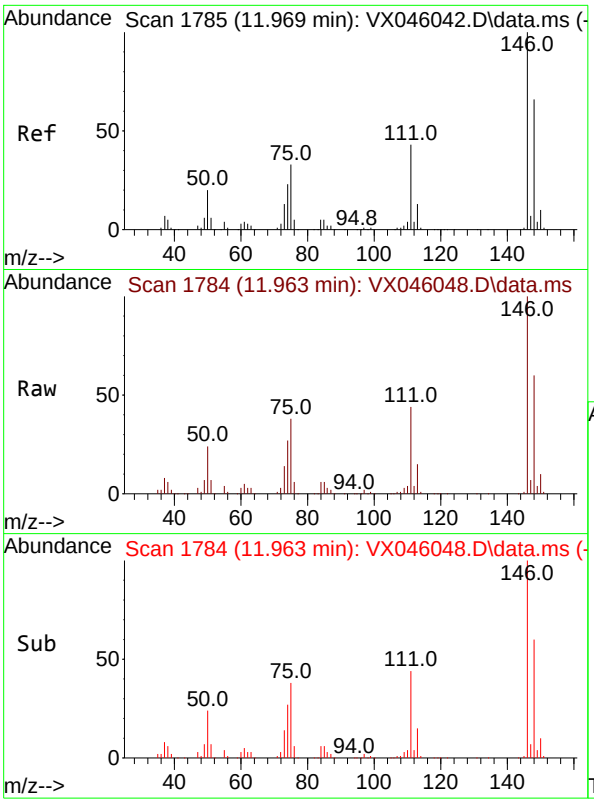


#86
p-Isopropyltoluene
Concen: 51.198 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:119 Resp: 231942

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	27.5	13.8	41.4

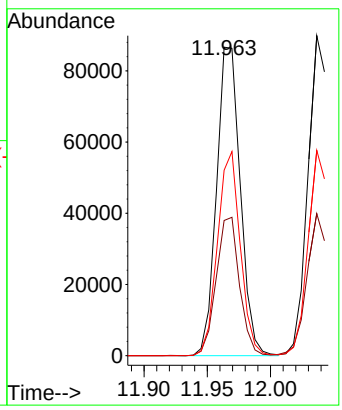




#87
1,3-Dichlorobenzene
Concen: 50.272 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 11314

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.3
148	63.5	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
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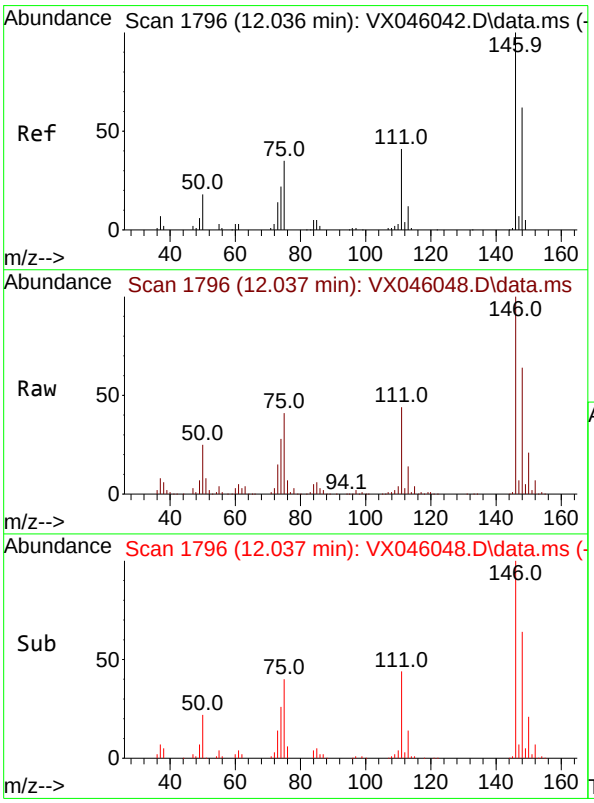
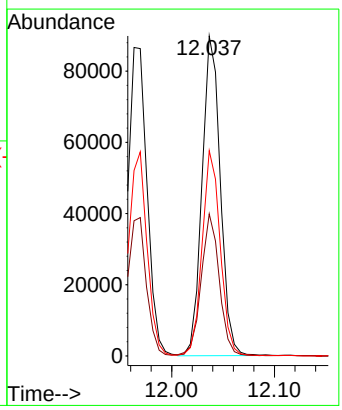
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

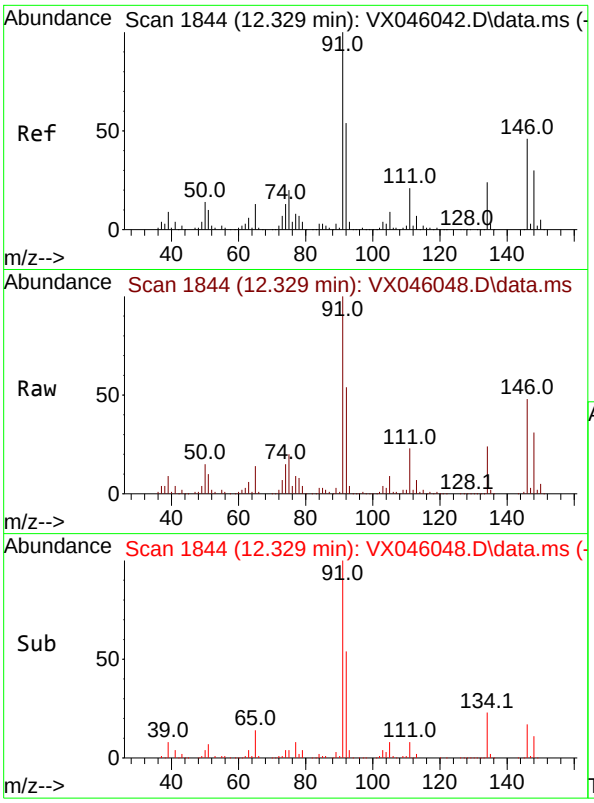


#88
1,4-Dichlorobenzene
Concen: 48.368 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 111173

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.3	63.9
148	63.3	31.9	95.5

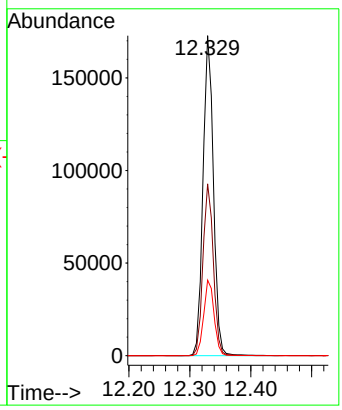




#89
n-Butylbenzene
Concen: 51.804 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 20585

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.7
134	23.7	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
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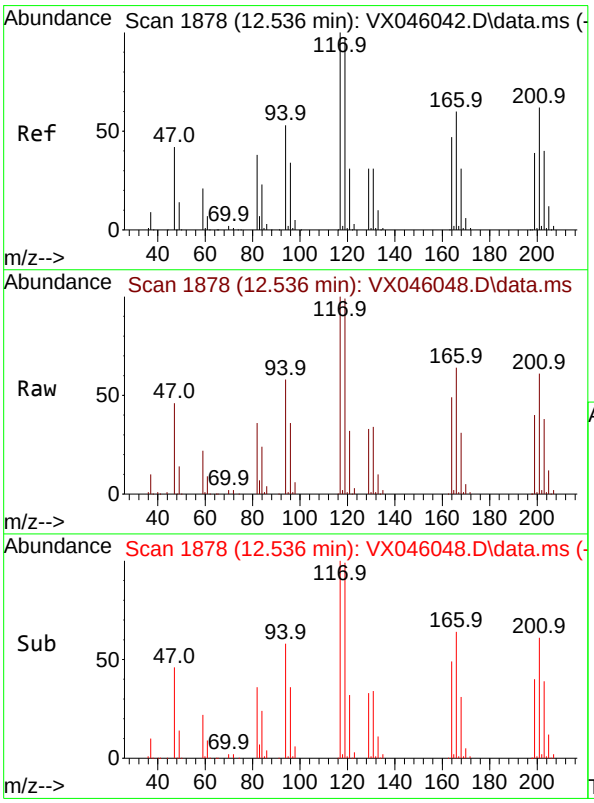
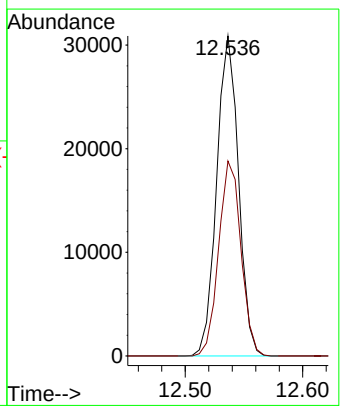
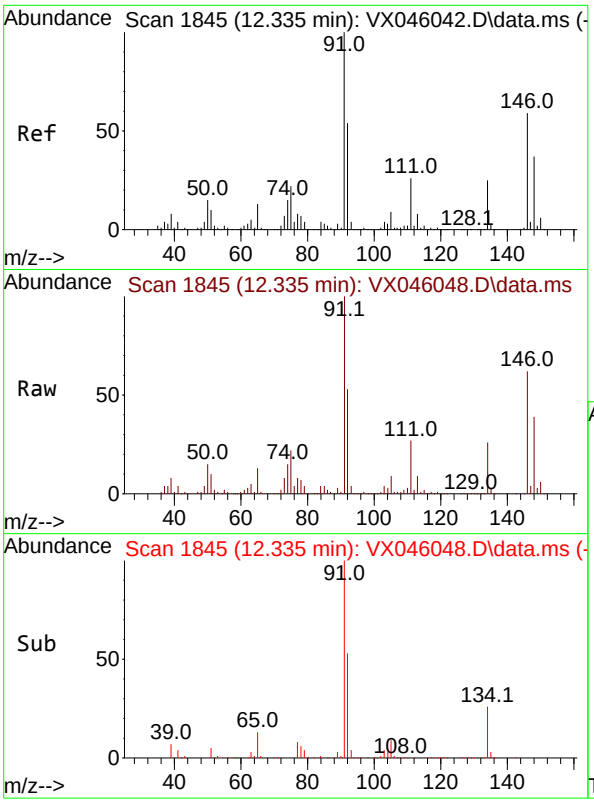


#90
Hexachloroethane
Concen: 49.895 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 39823

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.6	94.7

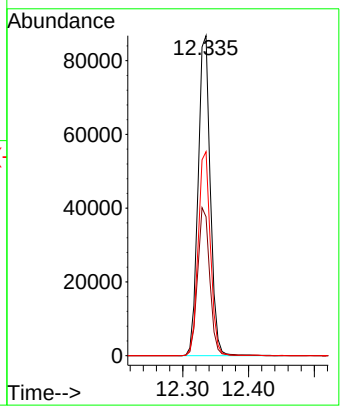




#91
1,2-Dichlorobenzene
Concen: 49.361 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 11148

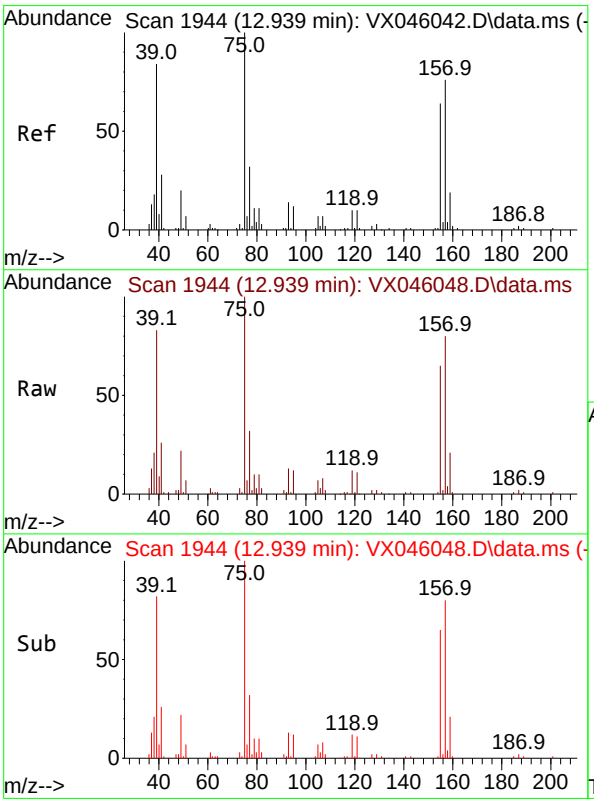
Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.4	67.3
148	64.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations
APPROVED

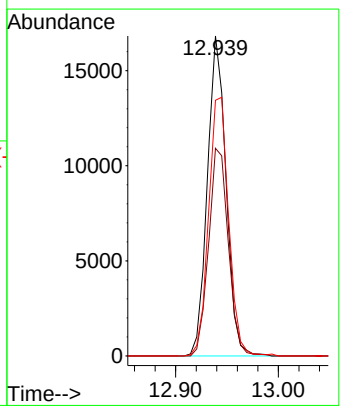
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

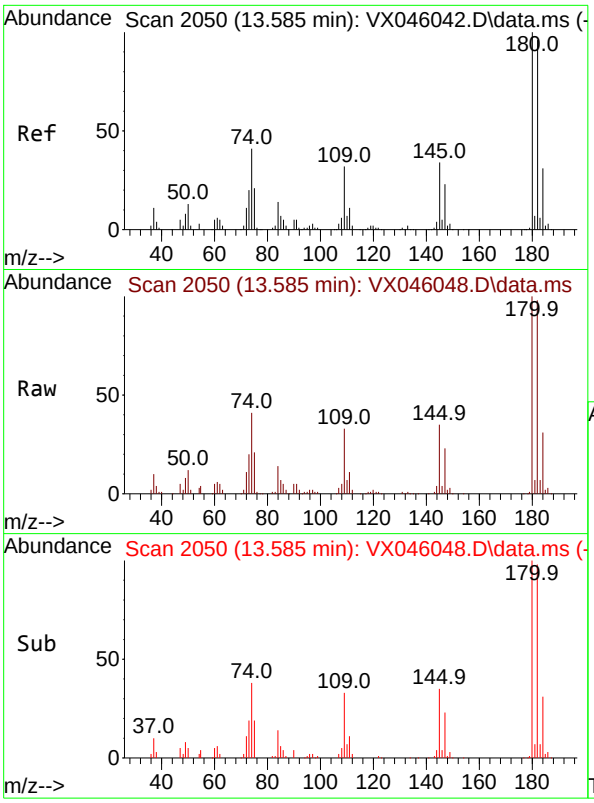


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.458 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 21220

Ion	Ratio	Lower	Upper
75	100		
155	68.6	34.9	104.8
157	86.7	43.8	131.4

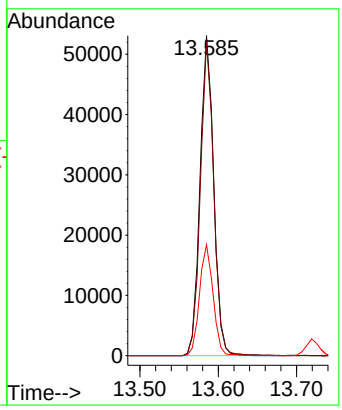




#93
1,2,4-Trichlorobenzene
Concen: 49.662 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:180 Resp: 6442

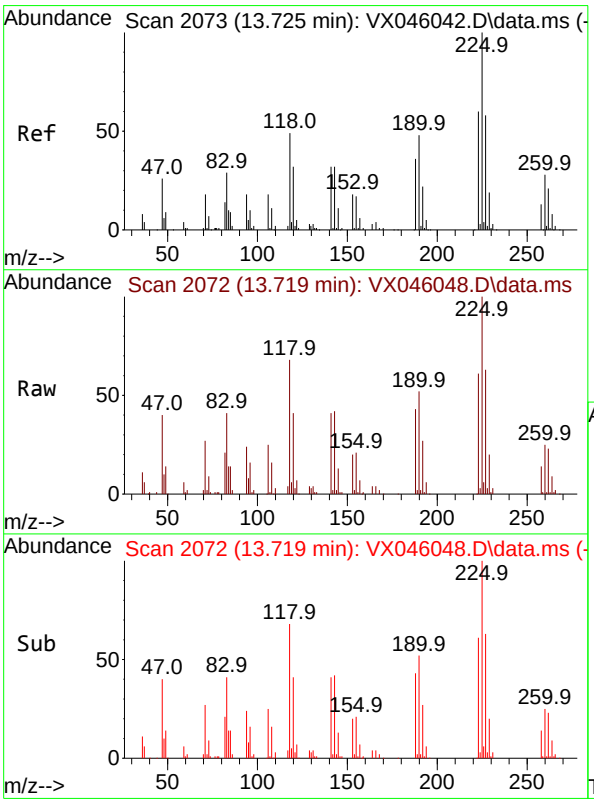
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	34.4	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

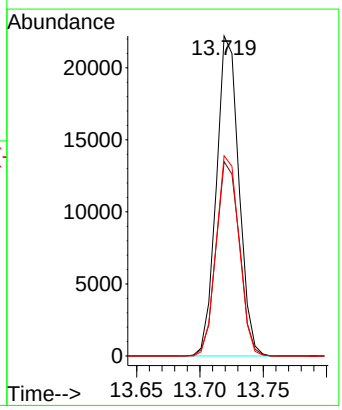
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

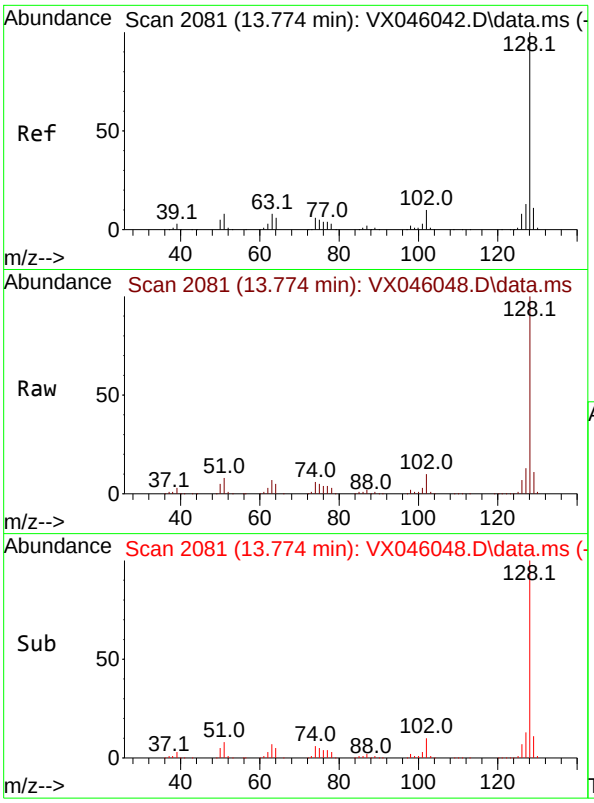


#94
Hexachlorobutadiene
Concen: 48.408 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:225 Resp: 27425

Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.8	92.4
227	63.7	30.9	92.7

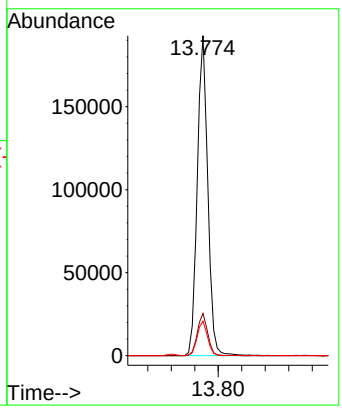




#95
Naphthalene
Concen: 50.404 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:128 Resp: 23980

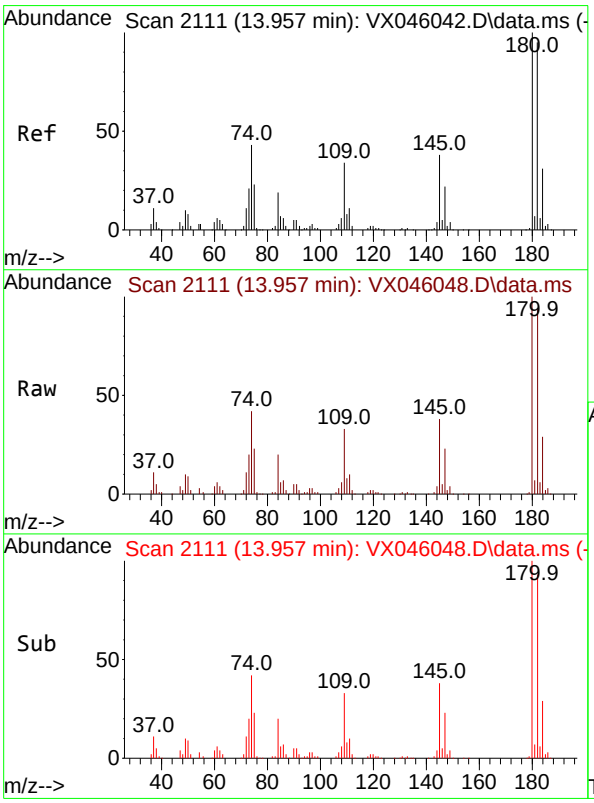
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Manual Integrations APPROVED

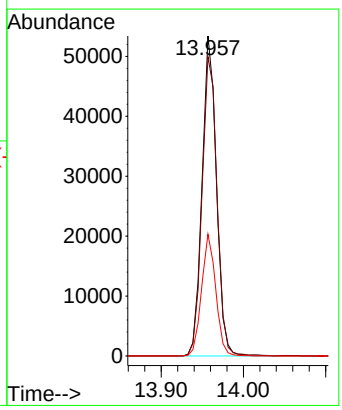
Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.525 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:180 Resp: 64950

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.8	143.3
145	37.5	18.1	54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	95	0.00
2	T	Dichlorodifluoromethane	0.765	0.851	-11.2	94	0.00
3	P	Chloromethane	0.742	0.781	-5.3	96	0.00
4	C	Vinyl Chloride	0.691	0.713	-3.2#	96	0.00
5	T	Bromomethane	0.320	0.324	-1.3	95	0.00
6	T	Chloroethane	0.369	0.385	-4.3	97	0.00
7	T	Trichlorofluoromethane	1.021	1.073	-5.1	96	0.00
8	T	Diethyl Ether	0.347	0.344	0.9	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.642	-1.6	96	0.00
10	T	Methyl Iodide	0.747	0.799	-7.0	94	0.00
11	T	Tert butyl alcohol	0.131	0.132	-0.8	98	0.00
12	CM	1,1-Dichloroethene	0.593	0.606	-2.2#	96	0.00
13	T	Acrolein	0.149	0.139	6.7	87	0.00
14	T	Allyl chloride	1.133	1.175	-3.7	95	0.00
15	T	Acrylonitrile	0.374	0.393	-5.1	97	0.00
16	T	Acetone	0.374	0.367	1.9	97	0.00
17	T	Carbon Disulfide	1.406	1.433	-1.9	94	0.00
18	T	Methyl Acetate	0.867	0.867	0.0	97	0.00
19	T	Methyl tert-butyl Ether	2.079	2.111	-1.5	93	0.00
20	T	Methylene Chloride	0.716	0.684	4.5	95	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.602	-1.0	94	0.00
22	T	Diisopropyl ether	2.189	2.268	-3.6	95	0.00
23	T	Vinyl Acetate	1.925	2.045	-6.2	95	0.00
24	P	1,1-Dichloroethane	1.219	1.239	-1.6	94	0.00
25	T	2-Butanone	0.543	0.558	-2.8	96	0.00
26	T	2,2-Dichloropropane	0.954	0.953	0.1	95	0.00
27	T	cis-1,2-Dichloroethene	0.718	0.731	-1.8	95	0.00
28	T	Bromochloromethane	0.587	0.598	-1.9	99	0.00
29	T	Tetrahydrofuran	0.340	0.354	-4.1	96	0.00
30	C	Chloroform	1.271	1.305	-2.7#	96	0.00
31	T	Cyclohexane	1.111	1.114	-0.3	94	0.00
32	T	1,1,1-Trichloroethane	1.101	1.126	-2.3	95	0.00
33	S	1,2-Dichloroethane-d4	0.932	0.904	3.0	95	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.360	0.358	0.6	98	0.00
36	T	1,1-Dichloropropene	0.484	0.479	1.0	94	0.00
37	T	Ethyl Acetate	0.598	0.606	-1.3	96	0.00
38	T	Carbon Tetrachloride	0.544	0.542	0.4	94	0.00
39	T	Methylcyclohexane	0.623	0.620	0.5	94	0.00
40	TM	Benzene	1.417	1.439	-1.6	95	0.00
41	T	Methacrylonitrile	0.313	0.344	-9.9	96	0.00
42	TM	1,2-Dichloroethane	0.612	0.622	-1.6	96	0.00
43	T	Isopropyl Acetate	0.912	0.952	-4.4	96	0.00
44	TM	Trichloroethene	0.341	0.341	0.0	93	0.00
45	C	1,2-Dichloropropane	0.352	0.366	-4.0#	96	0.00
46	T	Dibromomethane	0.278	0.278	0.0	94	0.00
47	T	Bromodichloromethane	0.547	0.568	-3.8	95	0.00
48	T	Methyl methacrylate	0.466	0.505	-8.4	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	100	0.00
50	S	Toluene-d8	1.246	1.221	2.0	97	0.00
51	T	4-Methyl-2-Pentanone	0.605	0.627	-3.6	96	0.00
52	CM	Toluene	0.869	0.889	-2.3#	96	0.00
53	T	t-1,3-Dichloropropene	0.487	0.515	-5.7	94	0.00
54	T	cis-1,3-Dichloropropene	0.538	0.569	-5.8	95	0.00
55	T	1,1,2-Trichloroethane	0.343	0.349	-1.7	95	0.00
56	T	Ethyl methacrylate	0.546	0.589	-7.9	96	0.00
57	T	1,3-Dichloropropane	0.615	0.613	0.3	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.278	0.296	-6.5	93	0.00
59	T	2-Hexanone	0.448	0.480	-7.1	98	0.00
60	T	Dibromochloromethane	0.376	0.392	-4.3	95	0.00
61	T	1,2-Dibromoethane	0.356	0.364	-2.2	94	0.00
62	S	4-Bromofluorobenzene	0.478	0.465	2.7	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
64	T	Tetrachloroethene	0.354	0.331	6.5	88	0.00
65	PM	Chlorobenzene	1.094	1.066	2.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.374	0.370	1.1	94	0.00
67	C	Ethyl Benzene	1.929	1.939	-0.5#	95	0.00
68	T	m/p-Xylenes	0.706	0.713	-1.0	95	0.00
69	T	o-Xylene	0.688	0.699	-1.6	95	0.00
70	T	Styrene	1.127	1.170	-3.8	95	0.00
71	P	Bromoform	0.281	0.278	1.1	91	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.893	3.950	-1.5	96	0.00
74	T	N-amyl acetate	1.924	2.016	-4.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	1.364	1.305	4.3	98	0.00
76	T	1,2,3-Trichloropropane	1.204	1.169	2.9	99	0.00
77	T	Bromobenzene	0.904	0.878	2.9	95	0.00
78	T	n-propylbenzene	4.526	4.577	-1.1	95	0.00
79	T	2-Chlorotoluene	2.919	2.867	1.8	96	0.00
80	T	1,3,5-Trimethylbenzene	3.252	3.350	-3.0	96	0.00
81	T	trans-1,4-Dichloro-2-butene	0.370	0.364	1.6	95	0.00
82	T	4-Chlorotoluene	3.238	3.280	-1.3	96	0.00
83	T	tert-Butylbenzene	3.276	3.309	-1.0	97	0.00
84	T	1,2,4-Trimethylbenzene	3.293	3.391	-3.0	97	0.00
85	T	sec-Butylbenzene	4.022	4.112	-2.2	96	0.00
86	T	p-Isopropyltoluene	3.320	3.399	-2.4	96	0.00
87	T	1,3-Dichlorobenzene	1.649	1.658	-0.5	98	0.00
88	T	1,4-Dichlorobenzene	1.684	1.629	3.3	97	0.00
89	T	n-Butylbenzene	2.912	3.017	-3.6	96	0.00
90	T	Hexachloroethane	0.585	0.584	0.2	94	0.00
91	T	1,2-Dichlorobenzene	1.655	1.634	1.3	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.302	0.311	-3.0	97	0.00
93	T	1,2,4-Trichlorobenzene	0.951	0.944	0.7	97	0.00
94	T	Hexachlorobutadiene	0.415	0.402	3.1	95	0.00
95	T	Naphthalene	3.487	3.515	-0.8	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	0.981	0.952	3.0	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	95	0.00
2	T	Dichlorodifluoromethane	50.000	55.594	-11.2	94	0.00
3	P	Chloromethane	50.000	52.592	-5.2	96	0.00
4	C	Vinyl Chloride	50.000	51.598	-3.2#	96	0.00
5	T	Bromomethane	50.000	50.627	-1.3	95	0.00
6	T	Chloroethane	50.000	52.271	-4.5	97	0.00
7	T	Trichlorofluoromethane	50.000	52.560	-5.1	96	0.00
8	T	Diethyl Ether	50.000	49.536	0.9	97	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.822	-1.6	96	0.00
10	T	Methyl Iodide	50.000	53.419	-6.8	94	0.00
11	T	Tert butyl alcohol	250.000	252.025	-0.8	98	0.00
12	CM	1,1-Dichloroethene	50.000	51.097	-2.2#	96	0.00
13	T	Acrolein	250.000	232.505	7.0	87	0.00
14	T	Allyl chloride	50.000	51.833	-3.7	95	0.00
15	T	Acrylonitrile	250.000	262.412	-5.0	97	0.00
16	T	Acetone	250.000	245.518	1.8	97	0.00
17	T	Carbon Disulfide	50.000	50.981	-2.0	94	0.00
18	T	Methyl Acetate	50.000	49.968	0.1	97	0.00
19	T	Methyl tert-butyl Ether	50.000	50.777	-1.6	93	0.00
20	T	Methylene Chloride	50.000	47.779	4.4	95	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.513	-1.0	94	0.00
22	T	Diisopropyl ether	50.000	51.800	-3.6	95	0.00
23	T	Vinyl Acetate	250.000	265.585	-6.2	95	0.00
24	P	1,1-Dichloroethane	50.000	50.825	-1.7	94	0.00
25	T	2-Butanone	250.000	257.110	-2.8	96	0.00
26	T	2,2-Dichloropropane	50.000	49.934	0.1	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.956	-1.9	95	0.00
28	T	Bromochloromethane	50.000	50.975	-2.0	99	0.00
29	T	Tetrahydrofuran	250.000	259.958	-4.0	96	0.00
30	C	Chloroform	50.000	51.332	-2.7#	96	0.00
31	T	Cyclohexane	50.000	50.147	-0.3	94	0.00
32	T	1,1,1-Trichloroethane	50.000	51.108	-2.2	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.509	3.0	95	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	49.683	0.6	98	0.00
36	T	1,1-Dichloropropene	50.000	49.521	1.0	94	0.00
37	T	Ethyl Acetate	50.000	50.714	-1.4	96	0.00
38	T	Carbon Tetrachloride	50.000	49.825	0.3	94	0.00
39	T	Methylcyclohexane	50.000	49.757	0.5	94	0.00
40	TM	Benzene	50.000	50.759	-1.5	95	0.00
41	T	Methacrylonitrile	50.000	55.076	-10.2	96	0.00
42	TM	1,2-Dichloroethane	50.000	50.861	-1.7	96	0.00
43	T	Isopropyl Acetate	50.000	52.195	-4.4	96	0.00
44	TM	Trichloroethene	50.000	50.018	-0.0	93	0.00
45	C	1,2-Dichloropropane	50.000	51.983	-4.0#	96	0.00
46	T	Dibromomethane	50.000	49.978	0.0	94	0.00
47	T	Bromodichloromethane	50.000	51.889	-3.8	95	0.00
48	T	Methyl methacrylate	50.000	54.226	-8.5	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	1059.599	-6.0	100	0.00
50	S	Toluene-d8	50.000	48.984	2.0	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	259.133	-3.7	96	0.00
52	CM	Toluene	50.000	51.150	-2.3#	96	0.00
53	T	t-1,3-Dichloropropene	50.000	52.920	-5.8	94	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.892	-5.8	95	0.00
55	T	1,1,2-Trichloroethane	50.000	50.887	-1.8	95	0.00
56	T	Ethyl methacrylate	50.000	53.918	-7.8	96	0.00
57	T	1,3-Dichloropropane	50.000	49.793	0.4	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	265.780	-6.3	93	0.00
59	T	2-Hexanone	250.000	268.218	-7.3	98	0.00
60	T	Dibromochloromethane	50.000	52.075	-4.2	95	0.00
61	T	1,2-Dibromoethane	50.000	51.050	-2.1	94	0.00
62	S	4-Bromofluorobenzene	50.000	48.596	2.8	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	99	0.00
64	T	Tetrachloroethene	50.000	46.795	6.4	88	0.00
65	PM	Chlorobenzene	50.000	48.699	2.6	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.557	0.9	94	0.00
67	C	Ethyl Benzene	50.000	50.245	-0.5#	95	0.00
68	T	m/p-Xylenes	100.000	101.022	-1.0	95	0.00
69	T	o-Xylene	50.000	50.841	-1.7	95	0.00
70	T	Styrene	50.000	51.907	-3.8	95	0.00
71	P	Bromoform	50.000	49.583	0.8	91	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	50.733	-1.5	96	0.00
74	T	N-amyl acetate	50.000	52.407	-4.8	98	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.827	4.3	98	0.00
76	T	1,2,3-Trichloropropane	50.000	48.568	2.9	99	0.00
77	T	Bromobenzene	50.000	48.549	2.9	95	0.00
78	T	n-propylbenzene	50.000	50.562	-1.1	95	0.00
79	T	2-Chlorotoluene	50.000	49.107	1.8	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.500	-3.0	96	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	49.276	1.4	95	0.00
82	T	4-Chlorotoluene	50.000	50.661	-1.3	96	0.00
83	T	tert-Butylbenzene	50.000	50.511	-1.0	97	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.485	-3.0	97	0.00
85	T	sec-Butylbenzene	50.000	51.122	-2.2	96	0.00
86	T	p-Isopropyltoluene	50.000	51.198	-2.4	96	0.00
87	T	1,3-Dichlorobenzene	50.000	50.272	-0.5	98	0.00
88	T	1,4-Dichlorobenzene	50.000	48.368	3.3	97	0.00
89	T	n-Butylbenzene	50.000	51.804	-3.6	96	0.00
90	T	Hexachloroethane	50.000	49.895	0.2	94	0.00
91	T	1,2-Dichlorobenzene	50.000	49.361	1.3	97	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.458	-2.9	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.662	0.7	97	0.00
94	T	Hexachlorobutadiene	50.000	48.408	3.2	95	0.00
95	T	Naphthalene	50.000	50.404	-0.8	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	48.525	3.0	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2082 SAS No.: Q2082 SDG No.: Q2082

Instrument ID: MSVOA_X Calibration Date/Time: 05/21/2025 09:55

Lab File ID: VX046284.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.742	0.718	0.1	-3.23	20
Vinyl Chloride	0.691	0.658		-4.78	20
Bromomethane	0.320	0.295		-7.81	20
Chloroethane	0.369	0.376		1.9	20
Trichlorofluoromethane	1.021	1.037		1.57	20
1,1,2-Trichlorotrifluoroethane	0.632	0.636		0.63	20
1,1-Dichloroethene	0.593	0.565		-4.72	20
Acetone	0.374	0.385		2.94	20
Carbon Disulfide	1.406	1.268		-9.81	20
Methyl tert-butyl Ether	2.079	2.141		2.98	20
Methylene Chloride	0.716	0.669		-6.56	20
trans-1,2-Dichloroethene	0.596	0.569		-4.53	20
1,1-Dichloroethane	1.219	1.239	0.1	1.64	20
2-Butanone	0.543	0.551		1.47	20
Carbon Tetrachloride	0.544	0.553		1.65	20
cis-1,2-Dichloroethene	0.718	0.707		-1.53	20
Chloroform	1.271	1.290		1.5	20
1,1,1-Trichloroethane	1.101	1.116		1.36	20
Methylcyclohexane	0.623	0.594		-4.66	20
Benzene	1.417	1.412		-0.35	20
1,2-Dichloroethane	0.612	0.615		0.49	20
Trichloroethene	0.341	0.344		0.88	20
1,2-Dichloropropane	0.352	0.366		3.98	20
Bromodichloromethane	0.547	0.585		6.95	20
4-Methyl-2-Pentanone	0.605	0.637		5.29	20
Toluene	0.869	0.857		-1.38	20
t-1,3-Dichloropropene	0.487	0.530		8.83	20
cis-1,3-Dichloropropene	0.538	0.582		8.18	20
1,1,2-Trichloroethane	0.343	0.354		3.21	20
2-Hexanone	0.448	0.473		5.58	20
Dibromochloromethane	0.376	0.414		10.11	20
Tetrachloroethene	0.354	0.370		4.52	20
Chlorobenzene	1.094	1.082	0.3	-1.1	20
Ethyl Benzene	1.929	1.968		2.02	20
m/p-Xylenes	0.706	0.721		2.13	20
o-Xylene	0.688	0.712		3.49	20
Styrene	1.127	1.215		7.81	20
Bromoform	0.281	0.307	0.1	9.25	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: TETR06

Lab Code: CHEM Case No.: Q2082 SAS No.: Q2082 SDG No.: Q2082

Instrument ID: MSVOA_X Calibration Date/Time: 05/21/2025 09:55

Lab File ID: VX046284.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.893	4.007		2.93	20
1,1,2,2-Tetrachloroethane	1.364	1.299	0.3	-4.76	20
1,3-Dichlorobenzene	1.649	1.667		1.09	20
1,4-Dichlorobenzene	1.684	1.675		-0.53	20
1,2-Dichlorobenzene	1.655	1.691		2.17	20
1,2-Dichloroethane-d4	0.932	0.913		-2.04	20
Dibromofluoromethane	0.360	0.371		3.06	20
Toluene-d8	1.246	1.223		-1.85	20
4-Bromofluorobenzene	0.478	0.481		0.63	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\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	95080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	161730	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	86766	48.949	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.900%			
35) Dibromofluoromethane	5.373	113	59999	51.518	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.040%			
50) Toluene-d8	8.641	98	197841	49.081	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.160%			
62) 4-Bromofluorobenzene	11.079	95	77871	50.363	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	73733	50.666	ug/l	98
3) Chloromethane	1.300	50	68253	48.364	ug/l	99
4) Vinyl Chloride	1.374	62	62535	47.612	ug/l	99
5) Bromomethane	1.593	94	28042	46.032	ug/l	97
6) Chloroethane	1.666	64	35734	50.964	ug/l	99
7) Trichlorofluoromethane	1.873	101	98615	50.803	ug/l	99
8) Diethyl Ether	2.129	74	32223	48.764	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	60440	50.314	ug/l	99
10) Methyl Iodide	2.440	142	66552	46.821	ug/l	99
11) Tert butyl alcohol	2.971	59	60414	242.803	ug/l	100
12) 1,1-Dichloroethene	2.306	96	53753	47.678	ug/l	95
13) Acrolein	2.233	56	90969	321.031	ug/l	99
14) Allyl chloride	2.654	41	111182	51.600	ug/l	98
15) Acrylonitrile	3.062	53	181499	255.100	ug/l	98
16) Acetone	2.379	43	182996	257.477	ug/l	100
17) Carbon Disulfide	2.501	76	120535	45.096	ug/l	100
18) Methyl Acetate	2.703	43	97480	59.105	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	203555	51.499	ug/l	100
20) Methylene Chloride	2.782	84	63593	46.691	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	54097	47.714	ug/l	95
22) Diisopropyl ether	3.757	45	215610	51.803	ug/l	94
23) Vinyl Acetate	3.715	43	930126	254.084	ug/l	99
24) 1,1-Dichloroethane	3.599	63	117763	50.800	ug/l	99
25) 2-Butanone	4.550	43	262160	254.074	ug/l	99
26) 2,2-Dichloropropane	4.458	77	95337	52.543	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	67216	49.246	ug/l	99
28) Bromochloromethane	4.885	49	52685	47.215	ug/l	97
29) Tetrahydrofuran	4.995	42	162193	250.853	ug/l	98
30) Chloroform	5.080	83	122654	50.762	ug/l	95
31) Cyclohexane	5.458	56	98339	46.552	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	106109	50.660	ug/l	99
36) 1,1-Dichloropropene	5.678	75	76348	48.791	ug/l	99
37) Ethyl Acetate	4.702	43	97045	50.197	ug/l	99
38) Carbon Tetrachloride	5.665	117	89504	50.907	ug/l	96
39) Methylcyclohexane	7.372	83	96076	47.691	ug/l	97
40) Benzene	6.025	78	228406	49.833	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.909	41	56109	55.480	ug/l		99
42) 1,2-Dichloroethane	6.074	62	99497	50.298	ug/l		100
43) Isopropyl Acetate	6.330	43	156279	52.987	ug/l		99
44) Trichloroethene	7.116	130	55656	50.452	ug/l		97
45) 1,2-Dichloropropane	7.421	63	59253	51.990	ug/l		98
46) Dibromomethane	7.574	93	45422	50.531	ug/l		99
47) Bromodichloromethane	7.811	83	94679	53.478	ug/l		96
48) Methyl methacrylate	7.689	41	81658	54.212	ug/l		98
49) 1,4-Dioxane	7.653	88	27967	977.870	ug/l		97
51) 4-Methyl-2-Pentanone	8.567	43	514742	262.926	ug/l		99
52) Toluene	8.714	92	138588	49.311	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	85646	54.425	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	94157	54.136	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	57326	51.730	ug/l		98
56) Ethyl methacrylate	9.110	69	94728	53.634	ug/l		99
57) 1,3-Dichloropropane	9.305	76	98942	49.714	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	246422	273.669	ug/l		100
59) 2-Hexanone	9.427	43	382250	263.910	ug/l		100
60) Dibromochloromethane	9.518	129	66902	54.971	ug/l		99
61) 1,2-Dibromoethane	9.604	107	58066	50.413	ug/l		95
64) Tetrachloroethene	9.268	164	52030	52.359	ug/l		98
65) Chlorobenzene	10.073	112	151979	49.440	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54978	52.376	ug/l		99
67) Ethyl Benzene	10.189	91	276408	51.011	ug/l		100
68) m/p-Xylenes	10.299	106	202607	102.233	ug/l		98
69) o-Xylene	10.640	106	99977	51.746	ug/l		99
70) Styrene	10.652	104	170672	53.925	ug/l		100
71) Bromoform	10.799	173	43139	54.740	ug/l	#	97
73) Isopropylbenzene	10.957	105	271177	51.463	ug/l		100
74) N-amyl acetate	10.841	43	134729	51.743	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87943	47.625	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	80571m	49.455	ug/l		
77) Bromobenzene	11.195	156	60921	49.799	ug/l		99
78) n-propylbenzene	11.299	91	316117	51.595	ug/l		100
79) 2-Chlorotoluene	11.360	91	193981	49.086	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	226364	51.421	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.012	75	26609	53.175	ug/l		98
82) 4-Chlorotoluene	11.451	91	225123	51.369	ug/l		99
83) tert-Butylbenzene	11.713	119	223522	50.408	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	231302	51.885	ug/l		99
85) sec-Butylbenzene	11.890	105	283817	52.129	ug/l		100
86) p-Isopropyltoluene	12.006	119	234688	52.222	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	112832	50.537	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	113352	49.713	ug/l		100
89) n-Butylbenzene	12.329	91	212152	53.818	ug/l		100
90) Hexachloroethane	12.536	117	41588	52.527	ug/l		100
91) 1,2-Dichlorobenzene	12.329	146	114456	51.087	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21272	52.001	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	66110	51.375	ug/l		99
94) Hexachlorobutadiene	13.725	225	28949	51.510	ug/l		98
95) Naphthalene	13.774	128	233630	49.502	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	68077	51.272	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

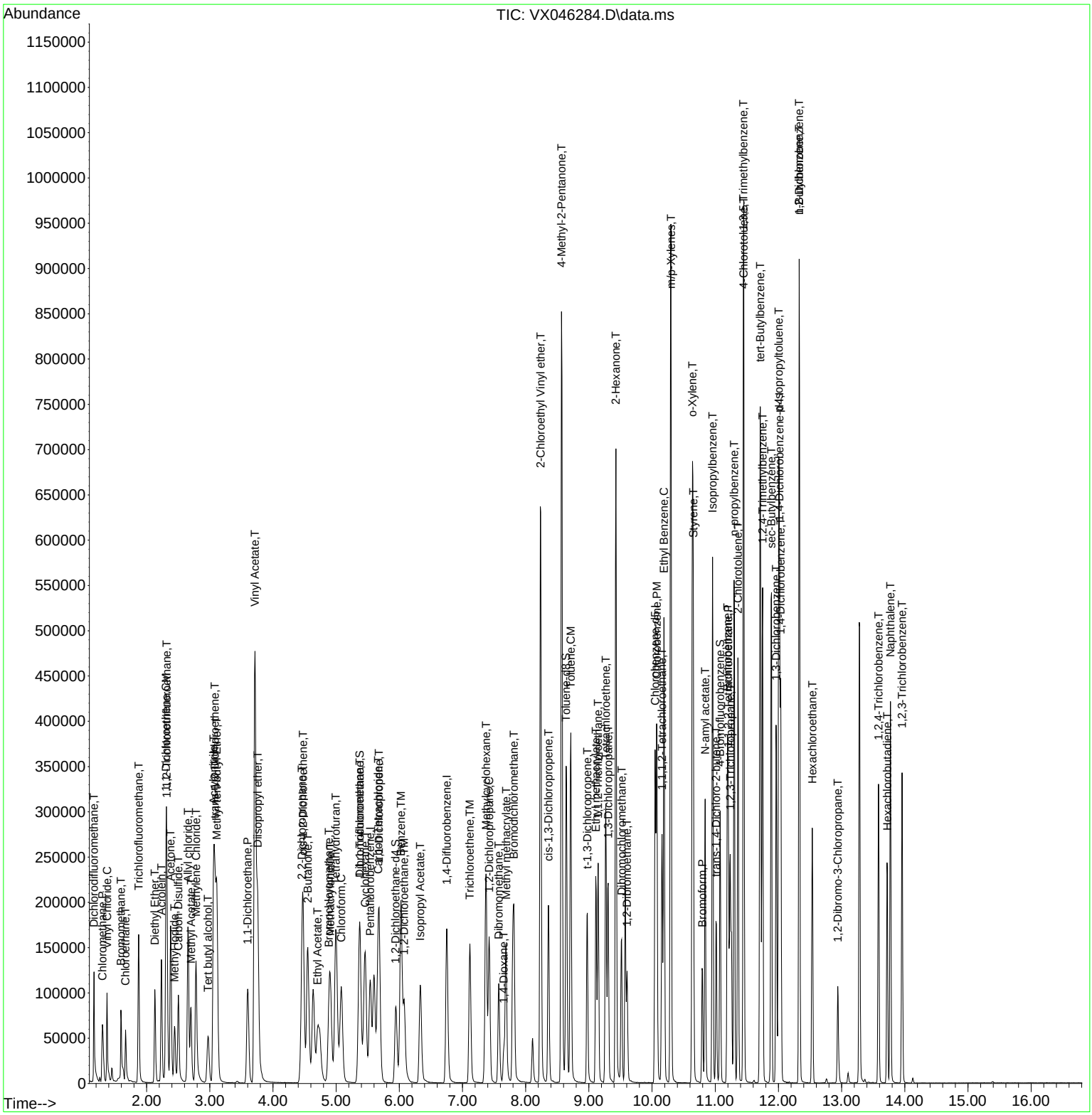
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

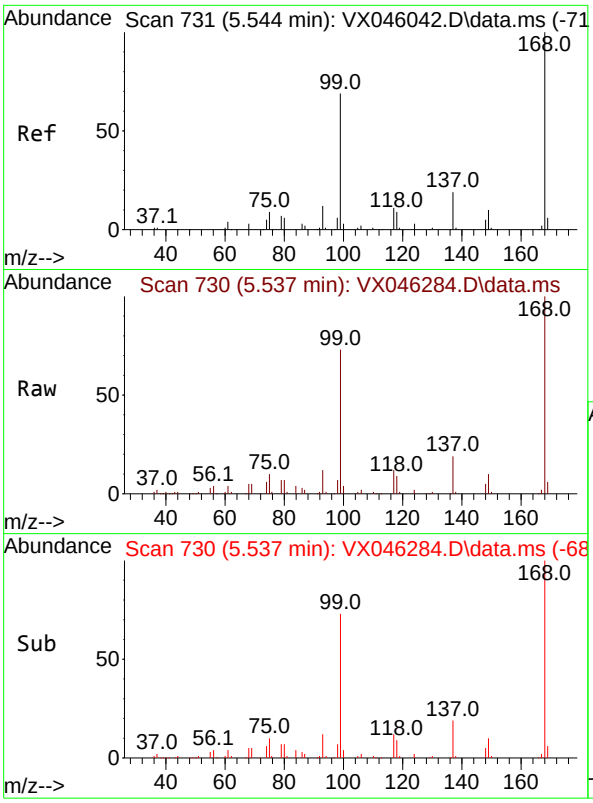
Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

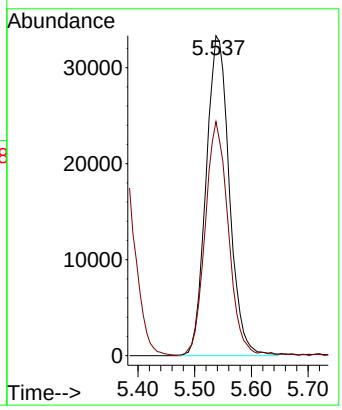




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:168 Resp: 9508

Ion	Ratio	Lower	Upper
168	100		
99	72.9	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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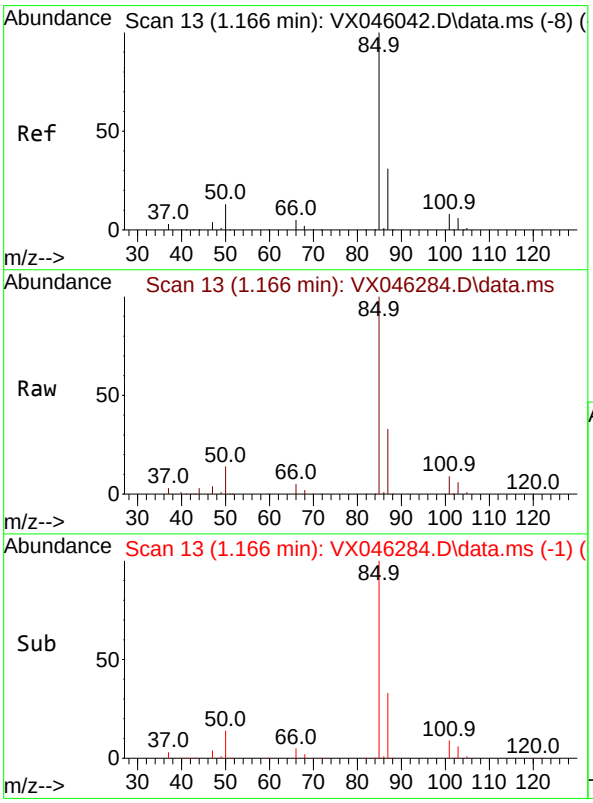
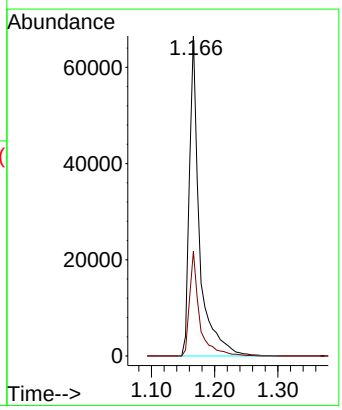
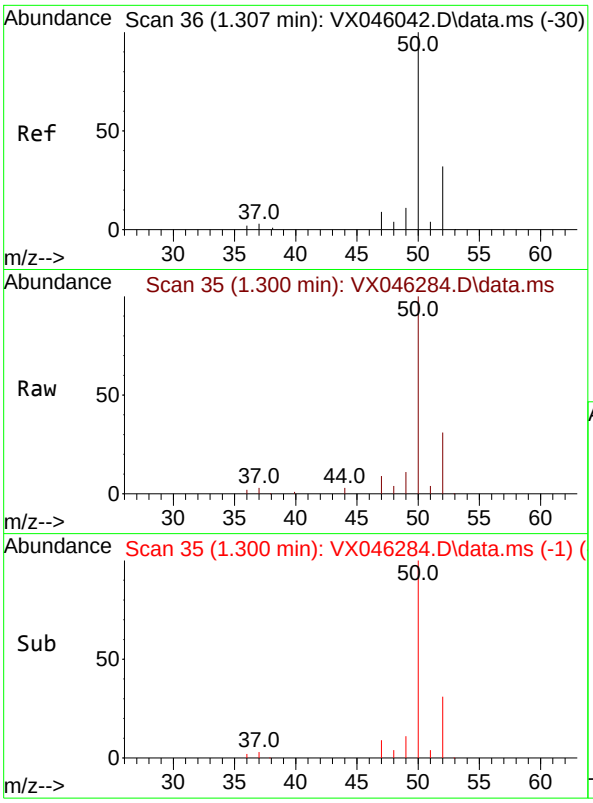


#2
Dichlorodifluoromethane
Concen: 50.666 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 85 Resp: 73733

Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.7	47.1

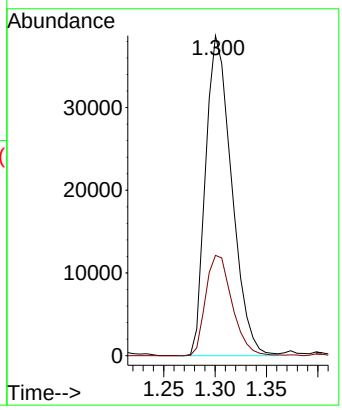




#3
Chloromethane
Concen: 48.364 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 50 Resp: 6825

Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.4	38.2



Instrument :
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ClientSampleId :
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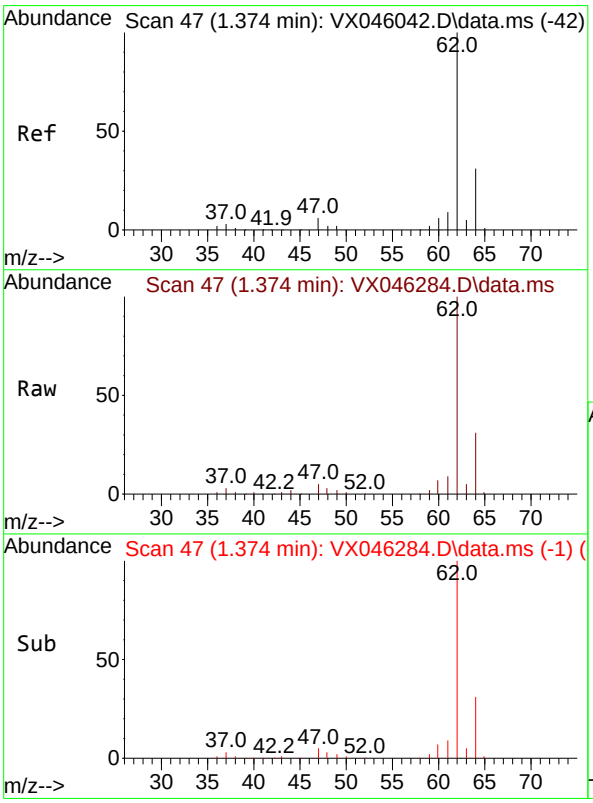
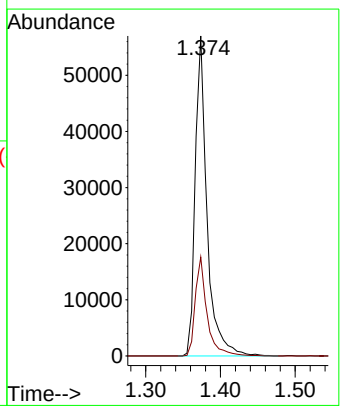
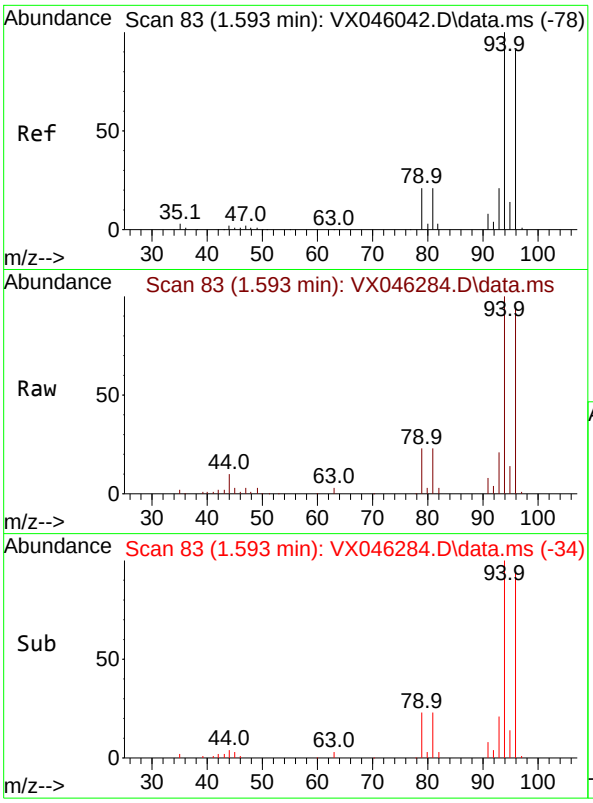


#4
Vinyl Chloride
Concen: 47.612 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 62 Resp: 62535

Ion	Ratio	Lower	Upper
62	100		
64	30.9	25.2	37.8

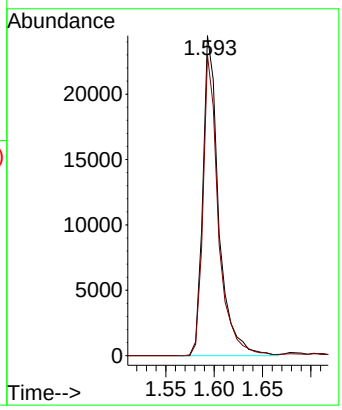




#5
Bromomethane
Concen: 46.032 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 94 Resp: 2804

Ion	Ratio	Lower	Upper
94	100		
96	93.9	72.8	109.2



Instrument :
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ClientSampleId :
VSTDCCC050

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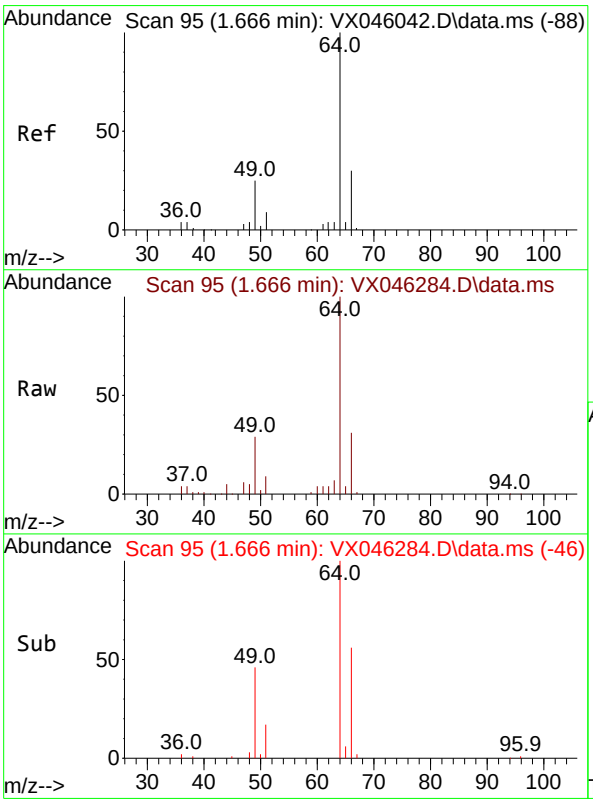
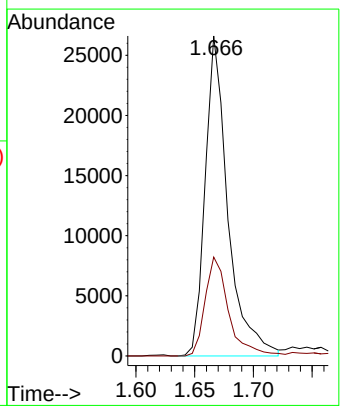
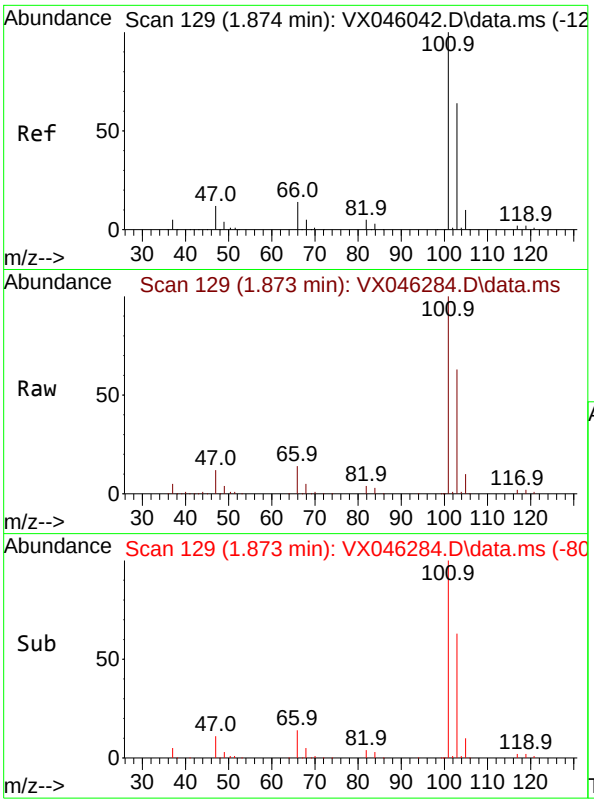


#6
Chloroethane
Concen: 50.964 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 64 Resp: 35734

Ion	Ratio	Lower	Upper
64	100		
66	30.9	24.3	36.5

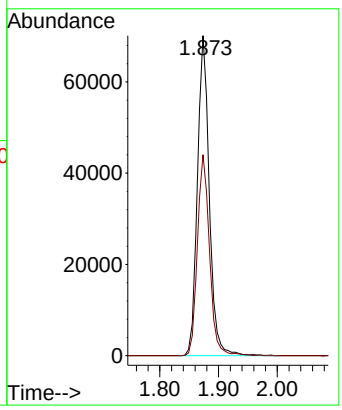




#7
Trichlorofluoromethane
Concen: 50.803 ug/l
RT: 1.873 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:101 Resp: 9861

Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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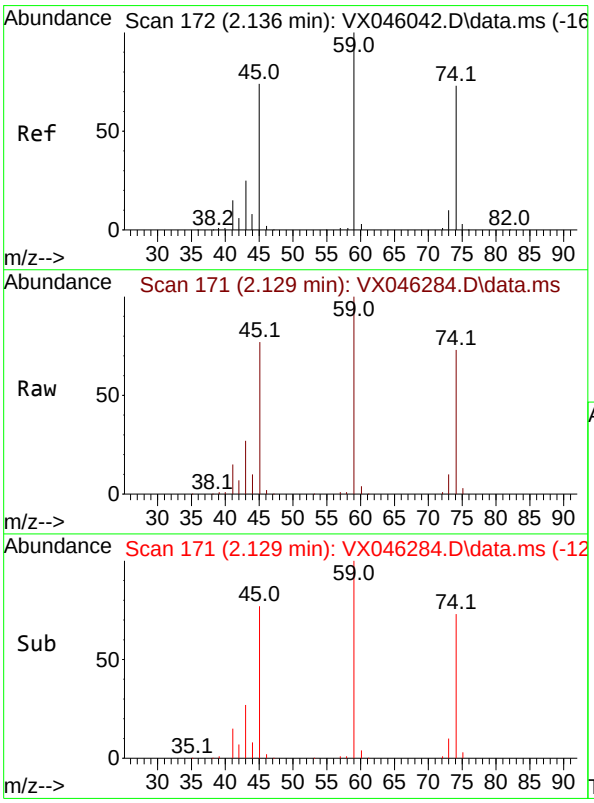
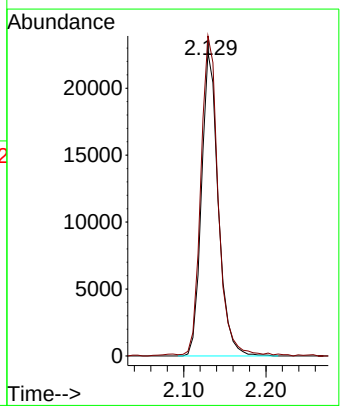
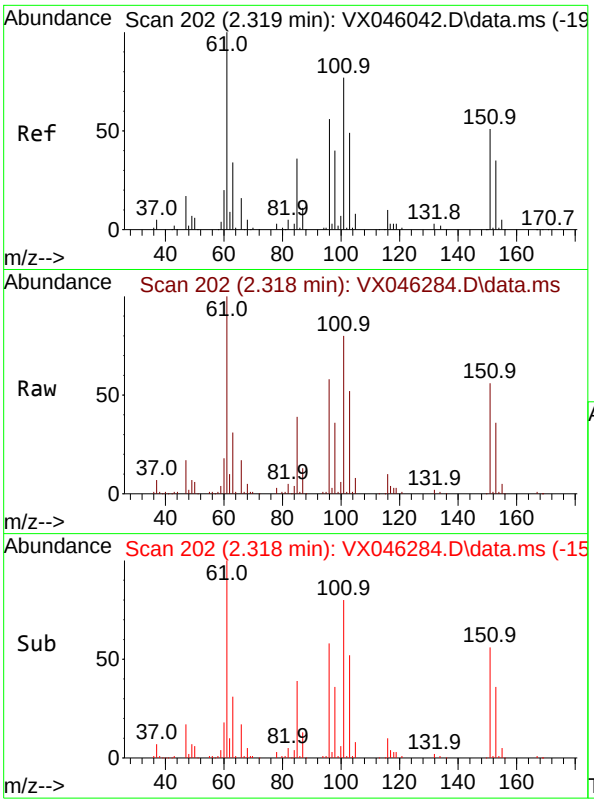


#8
Diethyl Ether
Concen: 48.764 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 74 Resp: 32223

Ion	Ratio	Lower	Upper
74	100		
45	110.4	54.9	164.8

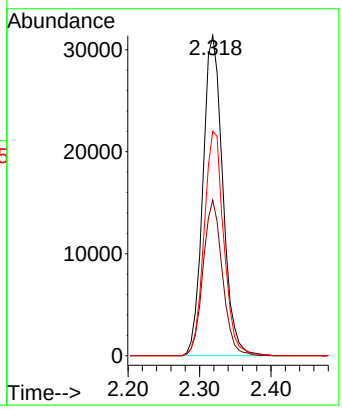




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.314 ug/l
RT: 2.318 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:101 Resp: 6044

Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.6	58.0
151	69.8	55.2	82.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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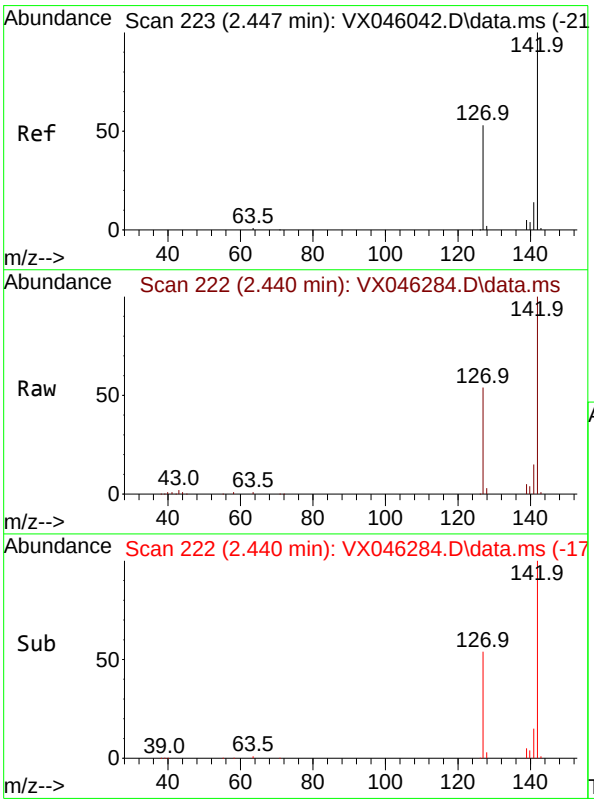
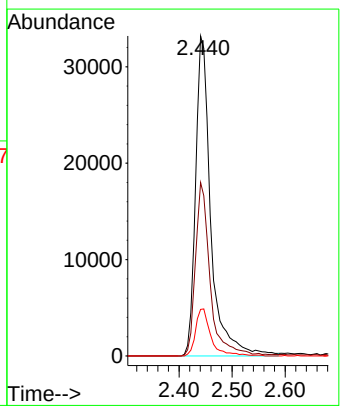
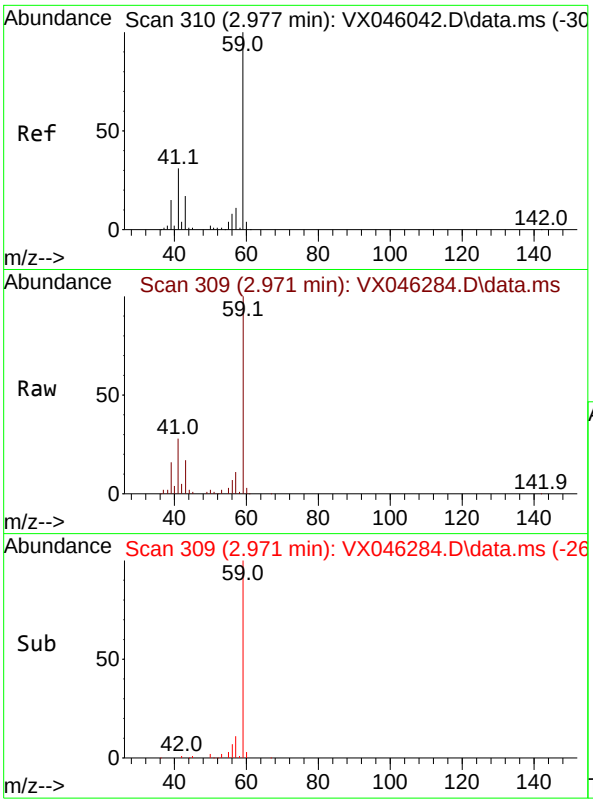


#10
Methyl Iodide
Concen: 46.821 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:142 Resp: 66552

Ion	Ratio	Lower	Upper
142	100		
127	52.8	41.7	62.5
141	14.7	11.5	17.3

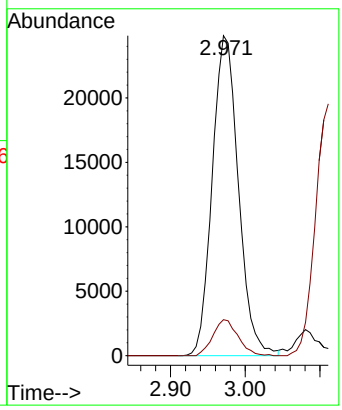




#11
Tert butyl alcohol
Concen: 242.803 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 59 Resp: 6041

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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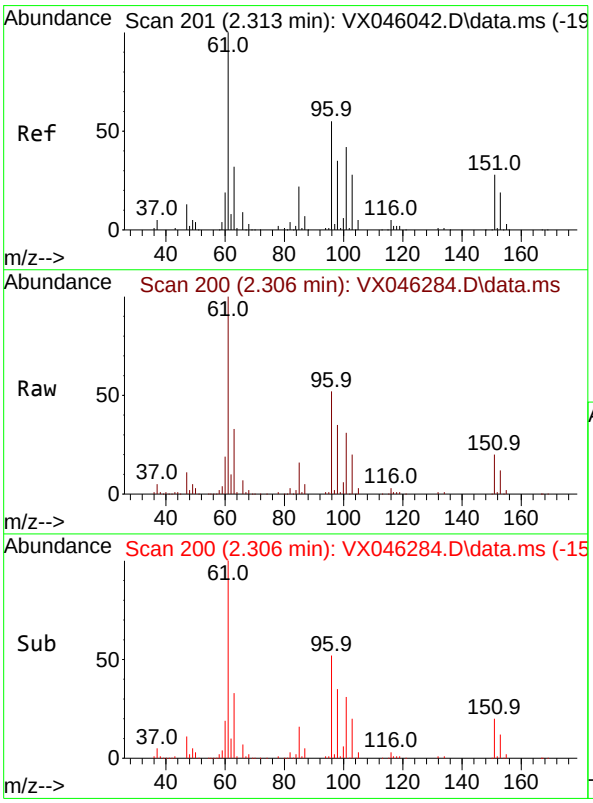
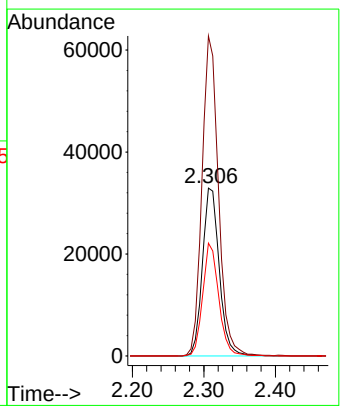
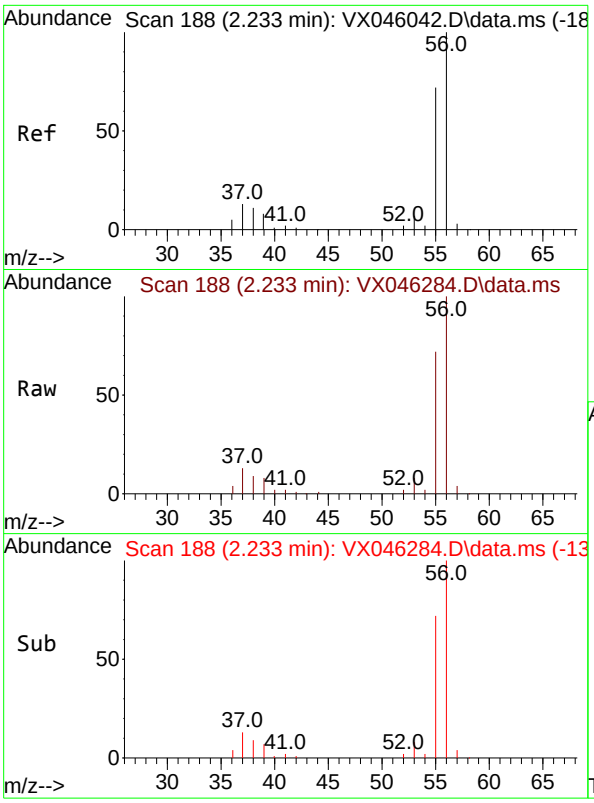


#12
1,1-Dichloroethene
Concen: 47.678 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 96 Resp: 53753

Ion	Ratio	Lower	Upper
96	100		
61	190.6	146.2	219.2
98	67.2	51.0	76.6

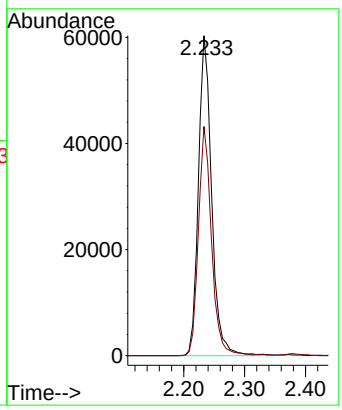




#13
Acrolein
Concen: 321.031 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 56 Resp: 9096

Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
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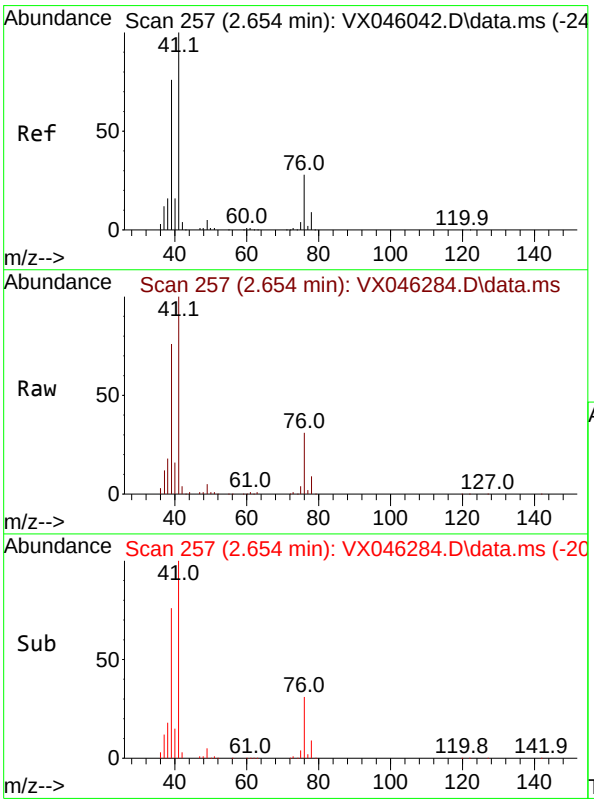
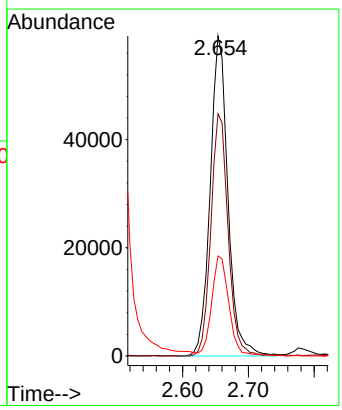
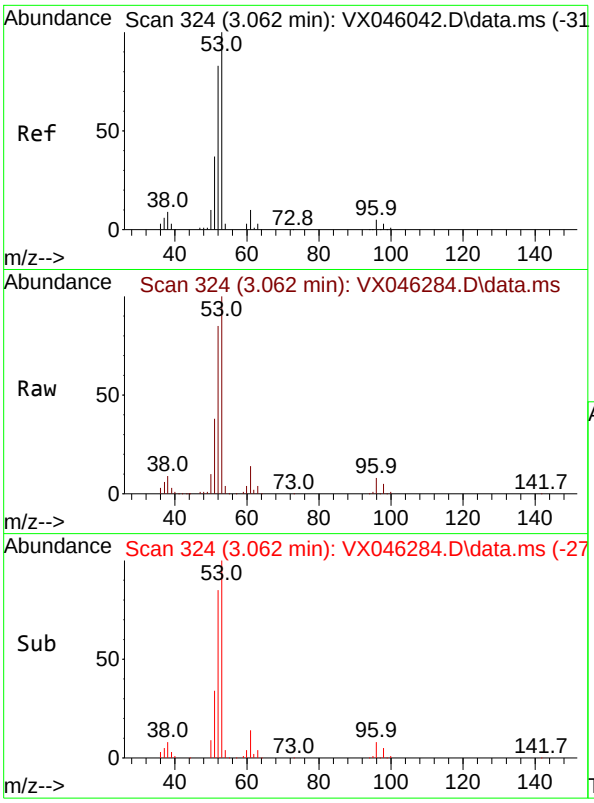


#14
Allyl chloride
Concen: 51.600 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 41 Resp: 111182

Ion	Ratio	Lower	Upper
41	100		
39	73.3	60.6	90.8
76	30.2	24.9	37.3

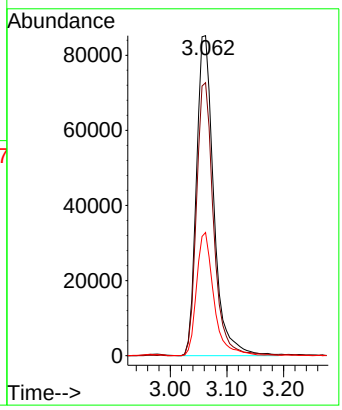




#15
Acrylonitrile
Concen: 255.100 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 53 Resp: 18149

Ion	Ratio	Lower	Upper
53	100		
52	83.7	65.3	97.9
51	38.5	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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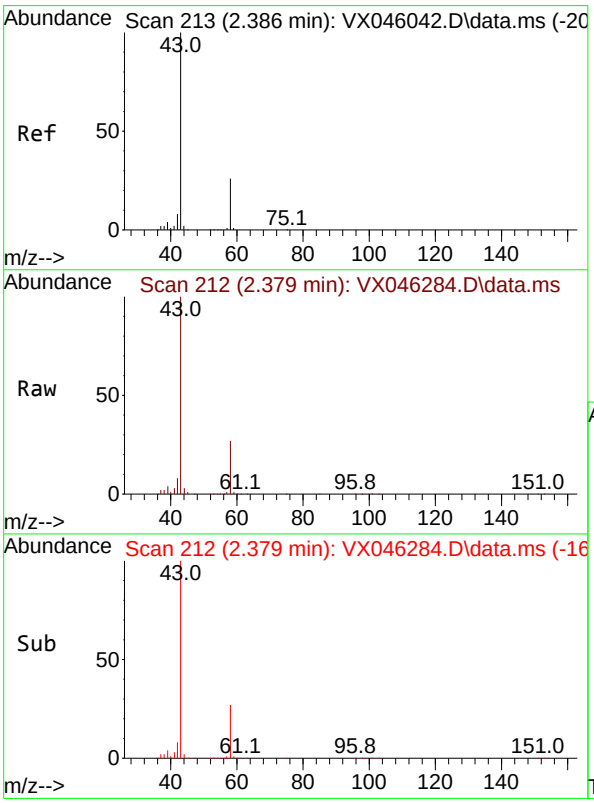
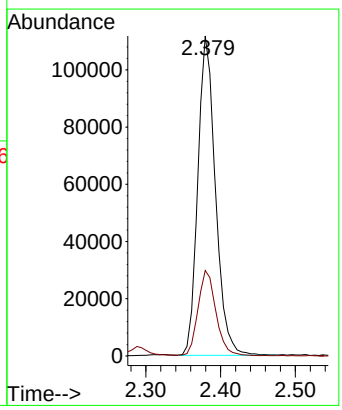
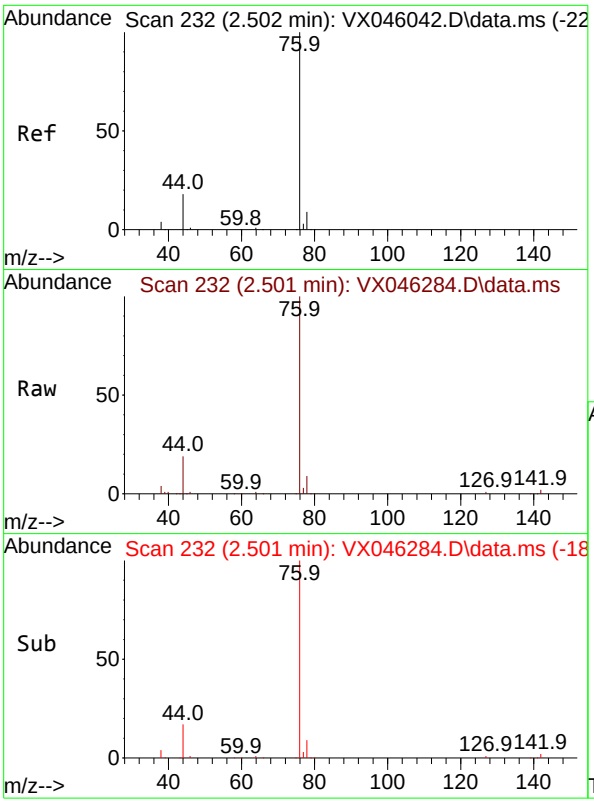


#16
Acetone
Concen: 257.477 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 182996

Ion	Ratio	Lower	Upper
43	100		
58	26.6	21.2	31.8





#17
Carbon Disulfide
Concen: 45.096 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 76 Resp: 12053

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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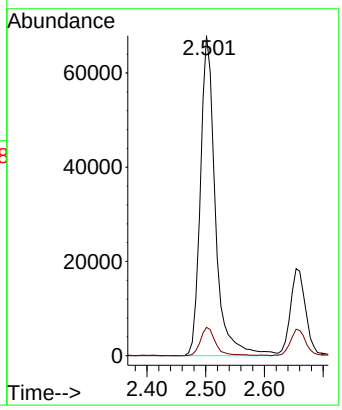
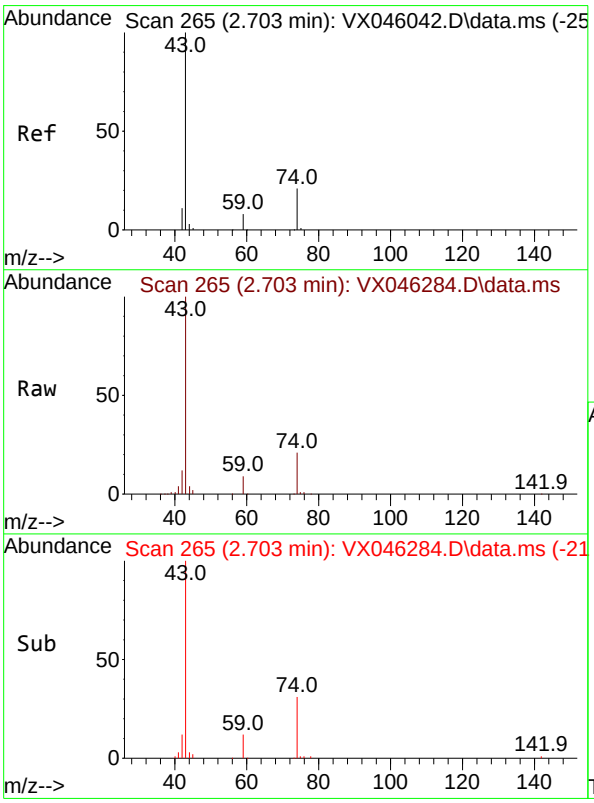
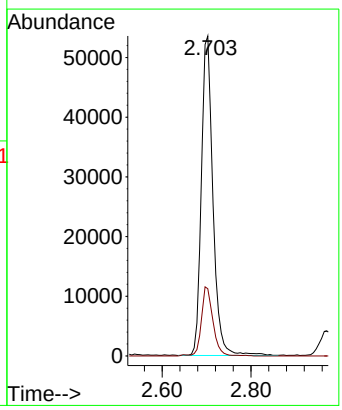


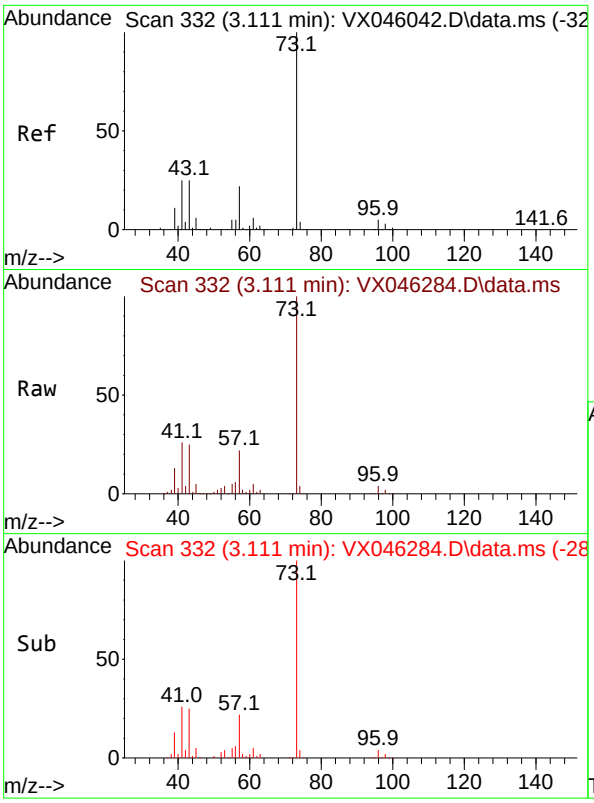


#18
Methyl Acetate
Concen: 59.105 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 97480

Ion	Ratio	Lower	Upper
43	100		
74	21.6	16.7	25.1

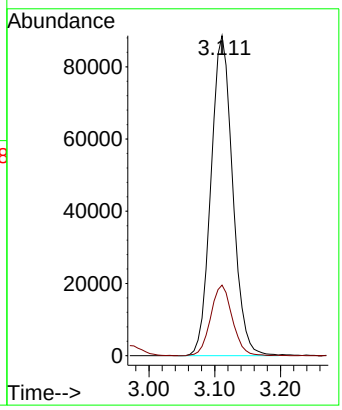




#19
Methyl tert-butyl Ether
Concen: 51.499 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 73 Resp: 20355

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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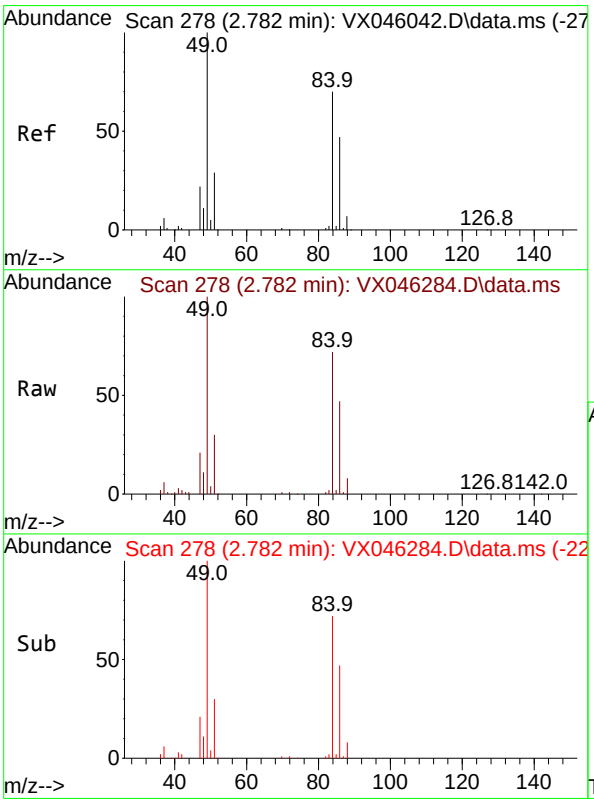
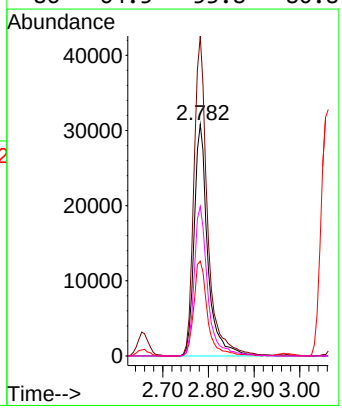
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

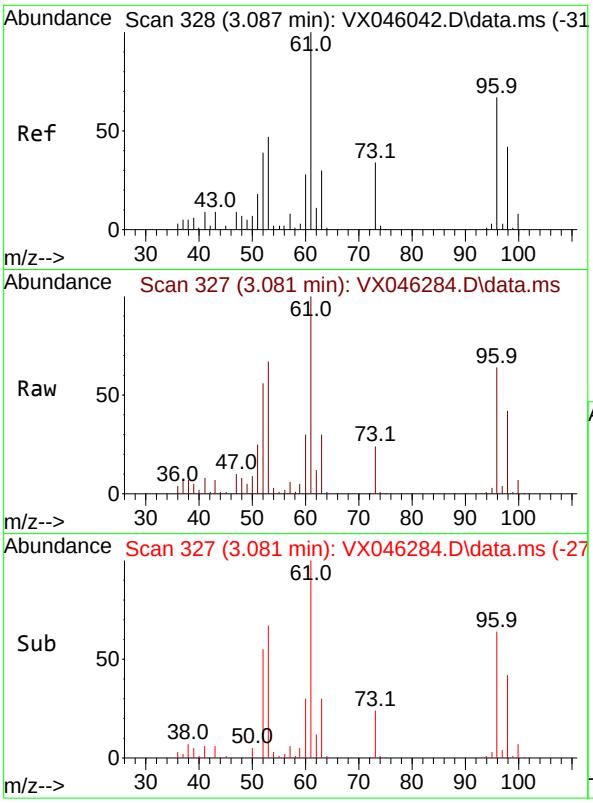


#20
Methylene Chloride
Concen: 46.691 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 84 Resp: 63593

Ion	Ratio	Lower	Upper
84	100		
49	138.2	113.9	170.9
51	41.0	33.5	50.3
86	64.5	53.8	80.8

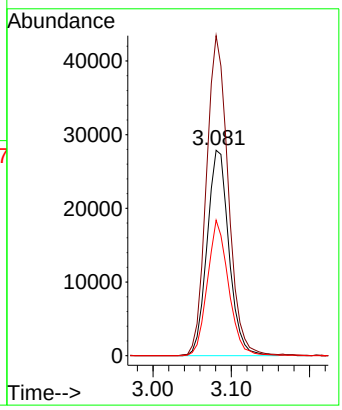




#21
trans-1,2-Dichloroethene
Concen: 47.714 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 96 Resp: 5409

Ion	Ratio	Lower	Upper
96	100		
61	155.7	119.5	179.3
98	66.0	50.0	75.0



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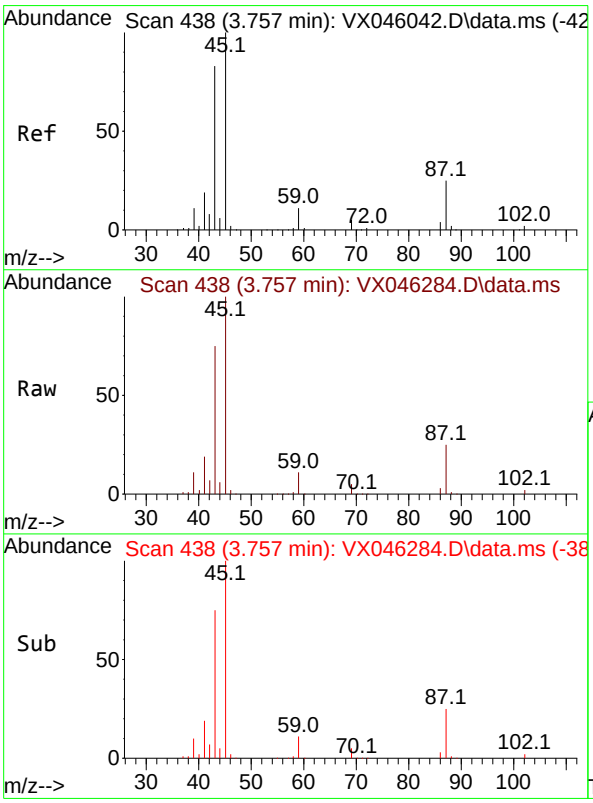
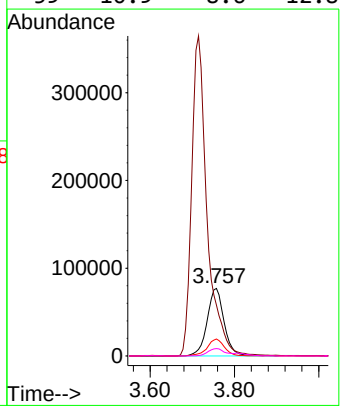
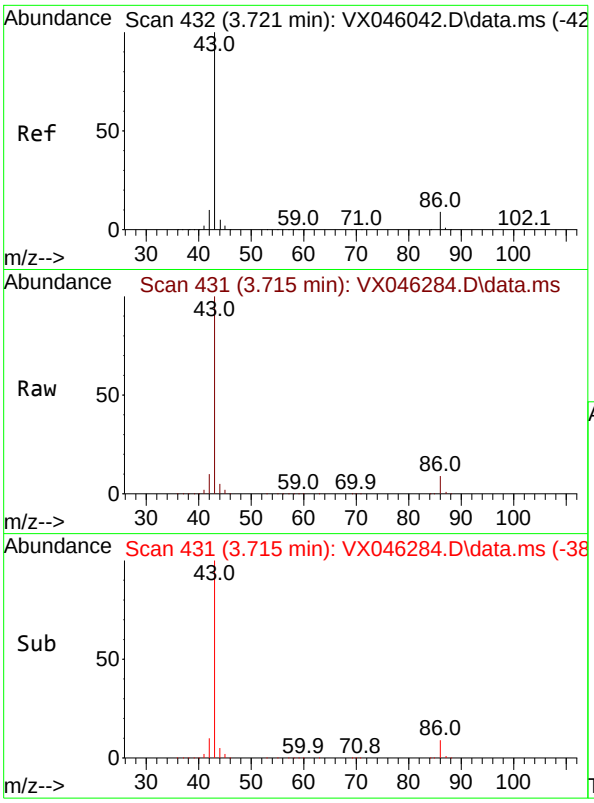


#22
Diisopropyl ether
Concen: 51.803 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 45 Resp: 215610

Ion	Ratio	Lower	Upper
45	100		
43	75.3	66.6	100.0
87	25.0	19.8	29.6
59	10.9	8.6	12.8

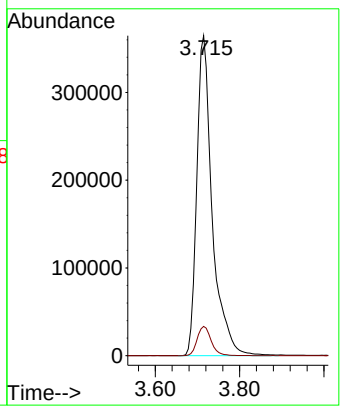




#23
Vinyl Acetate
Concen: 254.084 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 93012

Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.5	11.3



Instrument :
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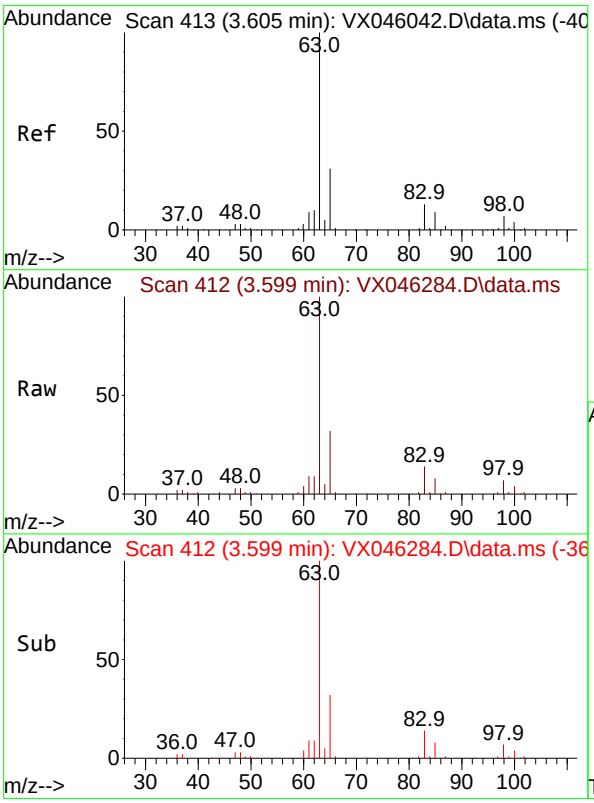
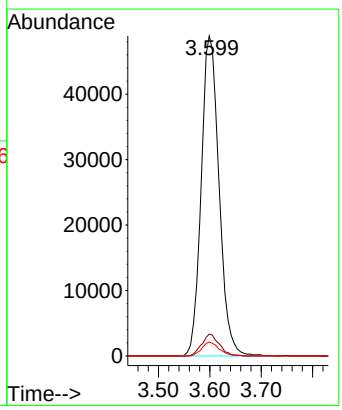
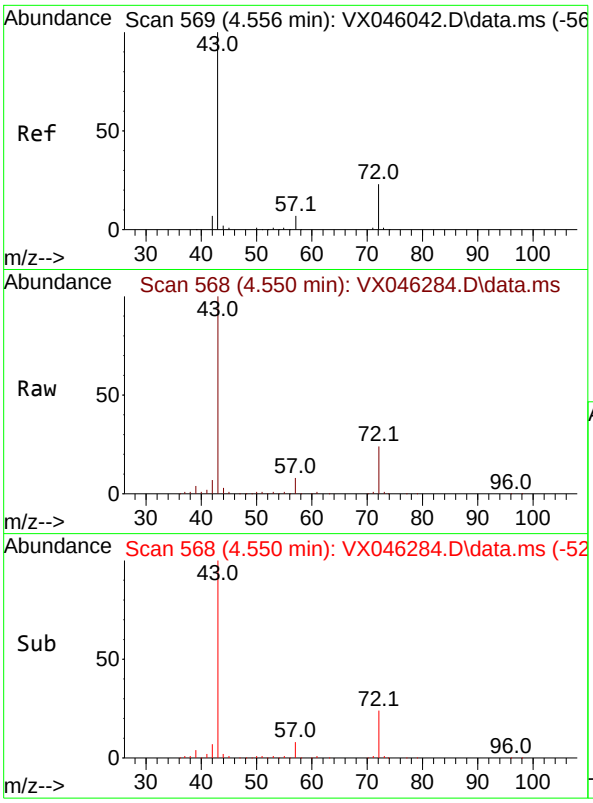


#24
1,1-Dichloroethane
Concen: 50.800 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 63 Resp: 117763

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.6	10.8
100	4.4	2.1	6.3





#25
2-Butanone
Concen: 254.074 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 26216

Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
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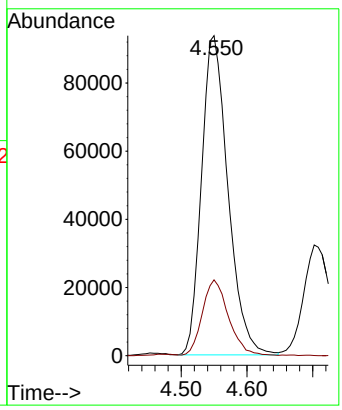
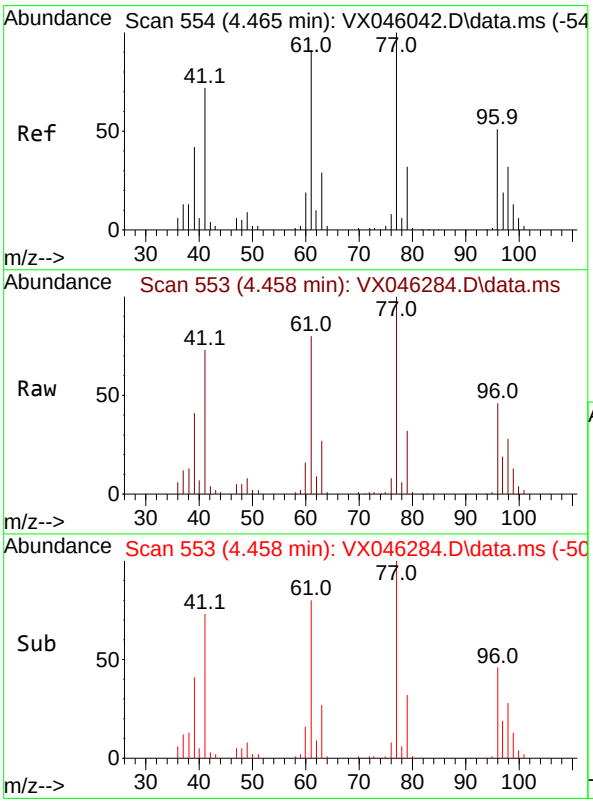
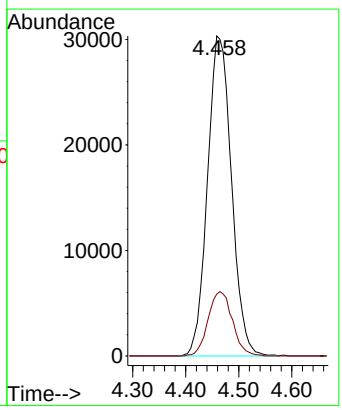


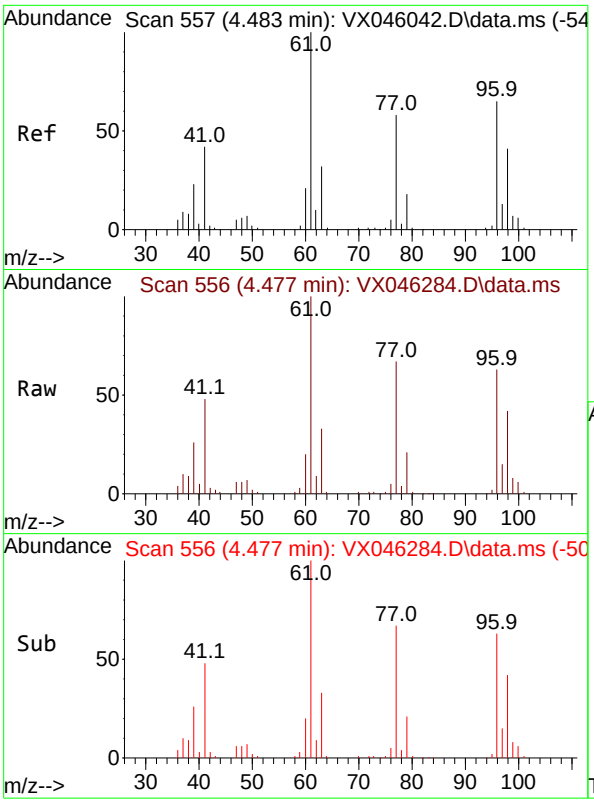


#26
2,2-Dichloropropane
Concen: 52.543 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 77 Resp: 95337

Ion	Ratio	Lower	Upper
77	100		
97	20.3	10.5	31.5

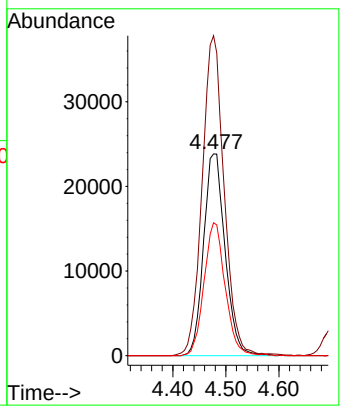




#27
cis-1,2-Dichloroethene
Concen: 49.246 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 96 Resp: 6721

Ion	Ratio	Lower	Upper
96	100		
61	162.3	0.0	322.8
98	64.6	0.0	129.0



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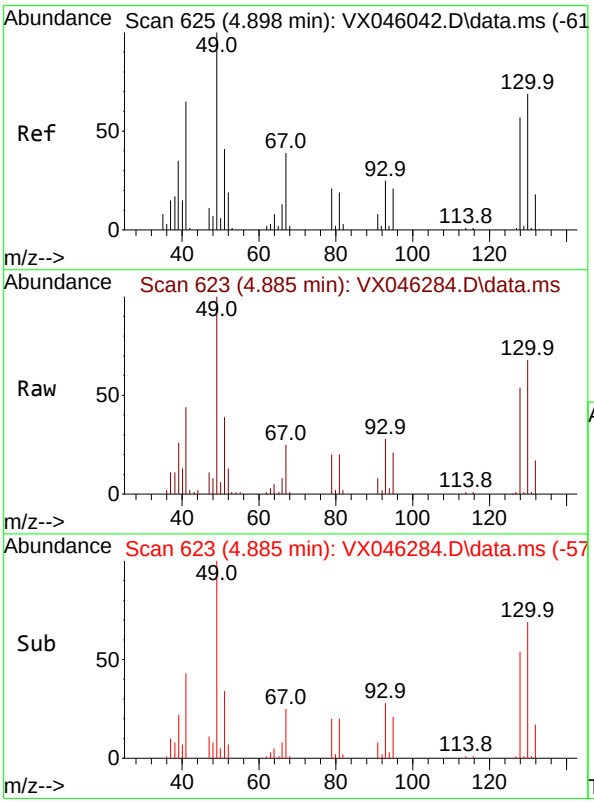
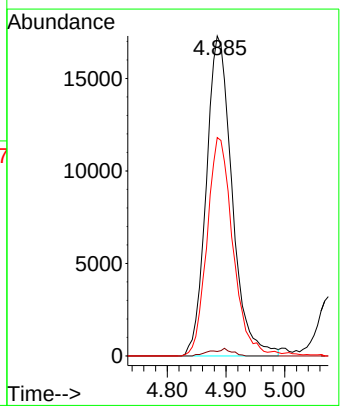
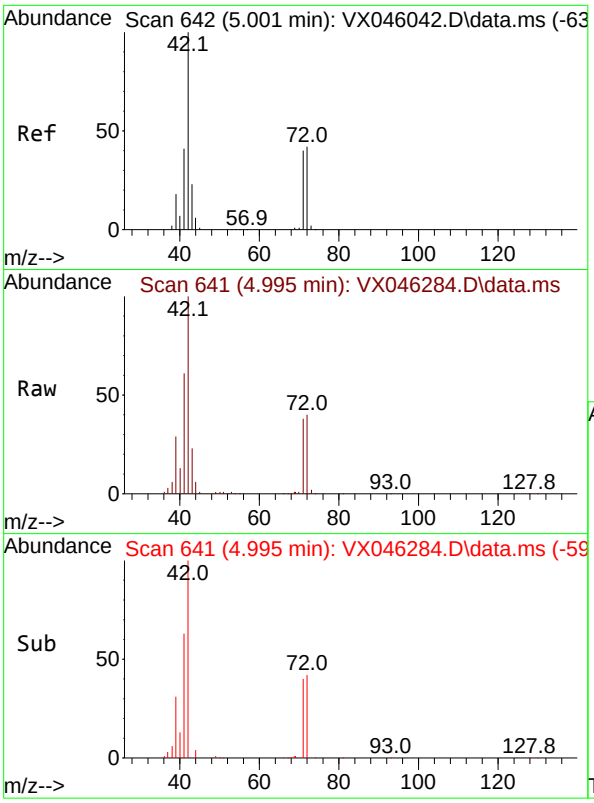


#28
Bromochloromethane
Concen: 47.215 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 49 Resp: 52685

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	68.0	56.2	84.2





#29
Tetrahydrofuran
Concen: 250.853 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 42 Resp: 16219

Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	37.8	31.4	47.2

Instrument :
MSVOA_X
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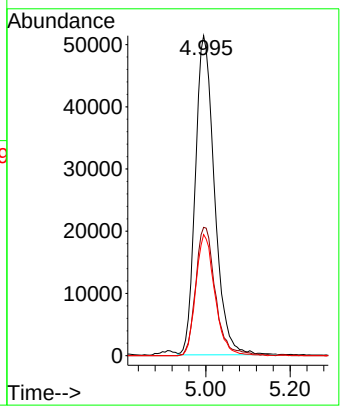
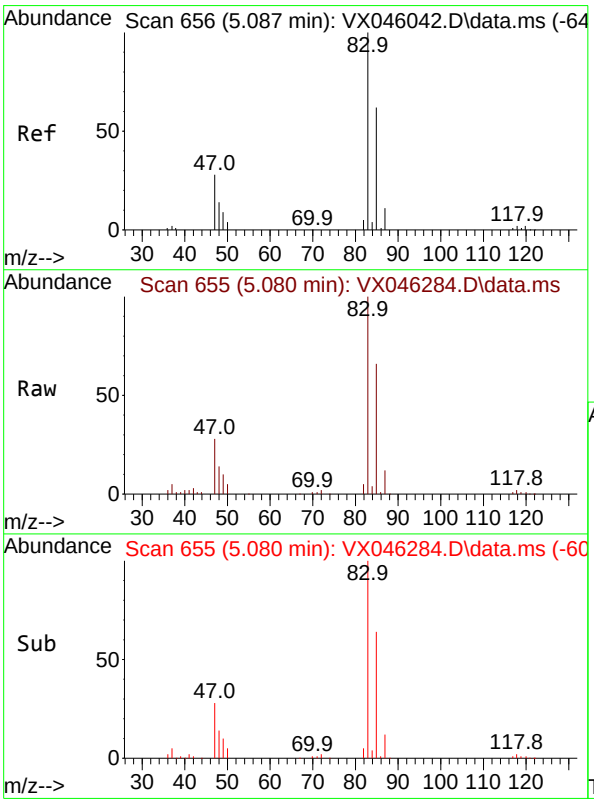
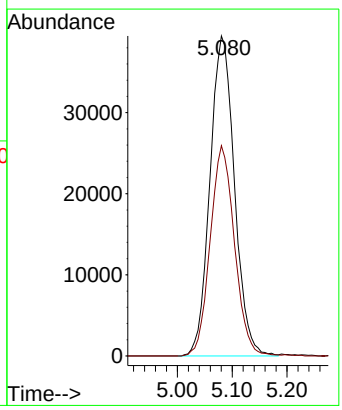


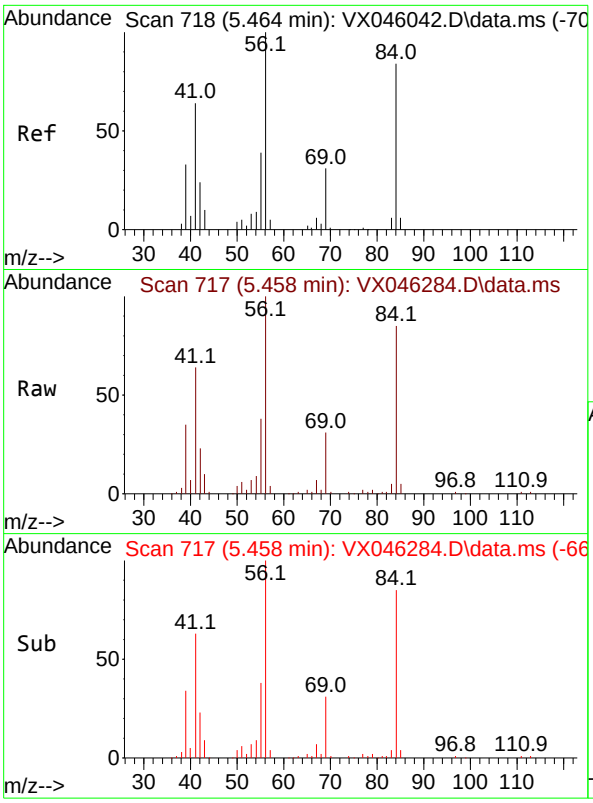


#30
Chloroform
Concen: 50.762 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 83 Resp: 122654

Ion	Ratio	Lower	Upper
83	100		
85	65.7	49.3	73.9

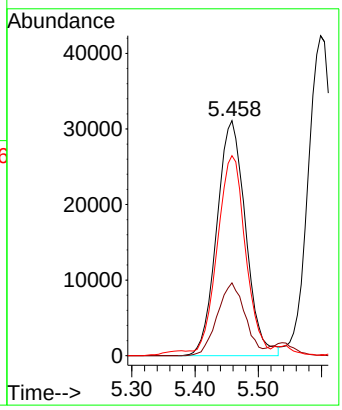




#31
Cyclohexane
Concen: 46.552 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 56 Resp: 9833

Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.4	36.6
84	83.0	66.9	100.3



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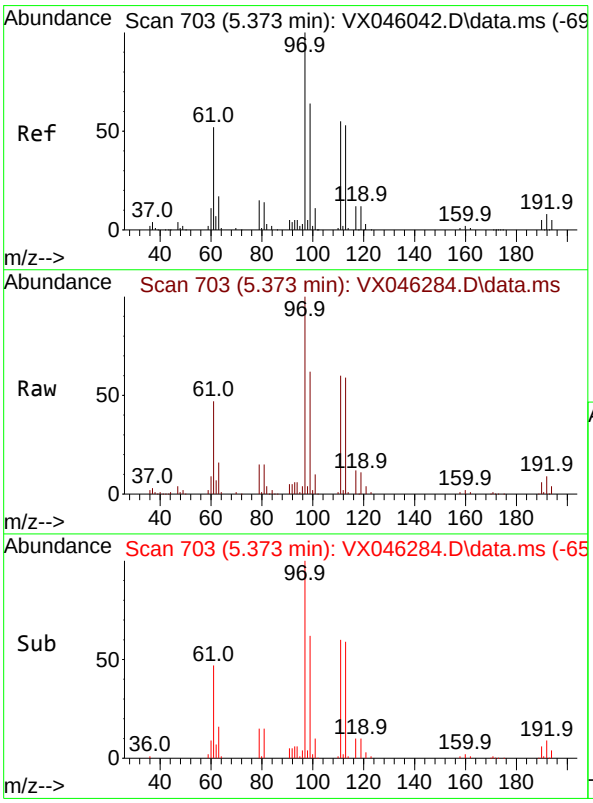
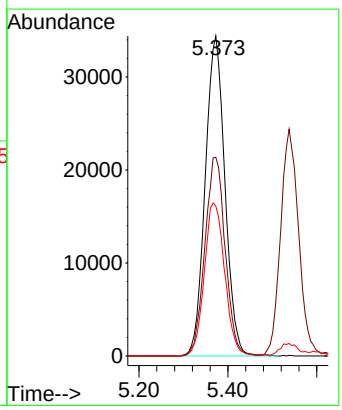
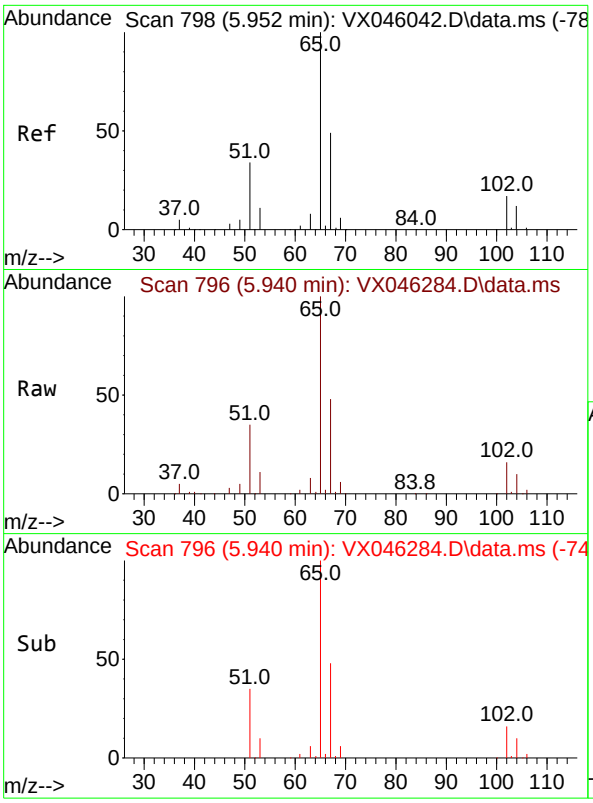


#32
1,1,1-Trichloroethane
Concen: 50.660 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 97 Resp: 106109

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.6
61	49.6	40.1	60.1

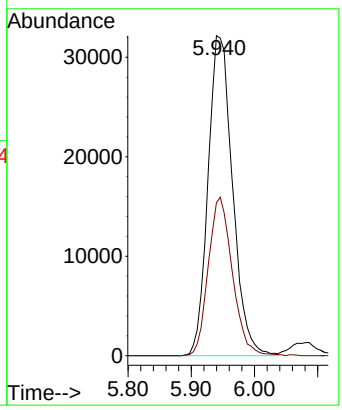




#33
1,2-Dichloroethane-d4
Concen: 48.949 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 65 Resp: 8676

Ion	Ratio	Lower	Upper
65	100		
67	48.6	0.0	99.0



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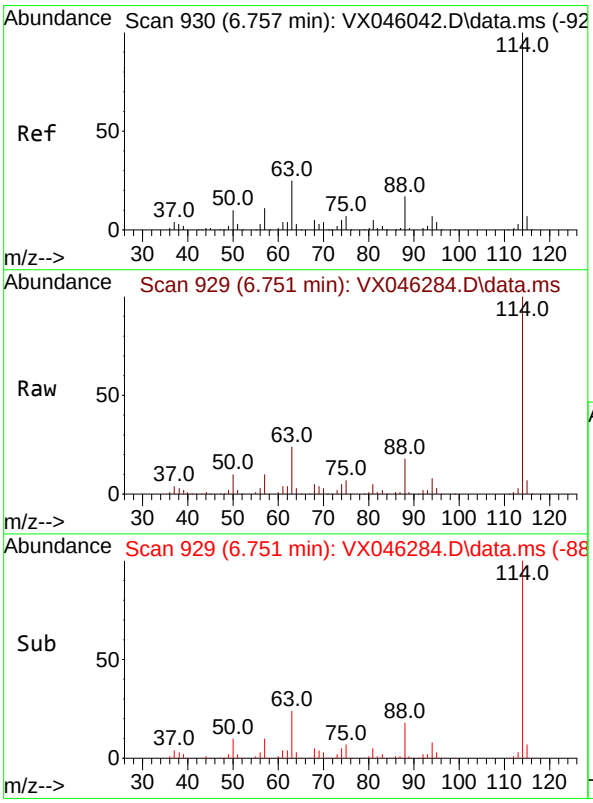
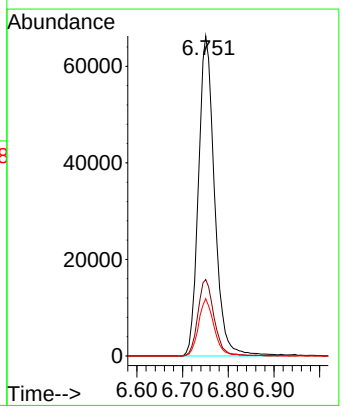
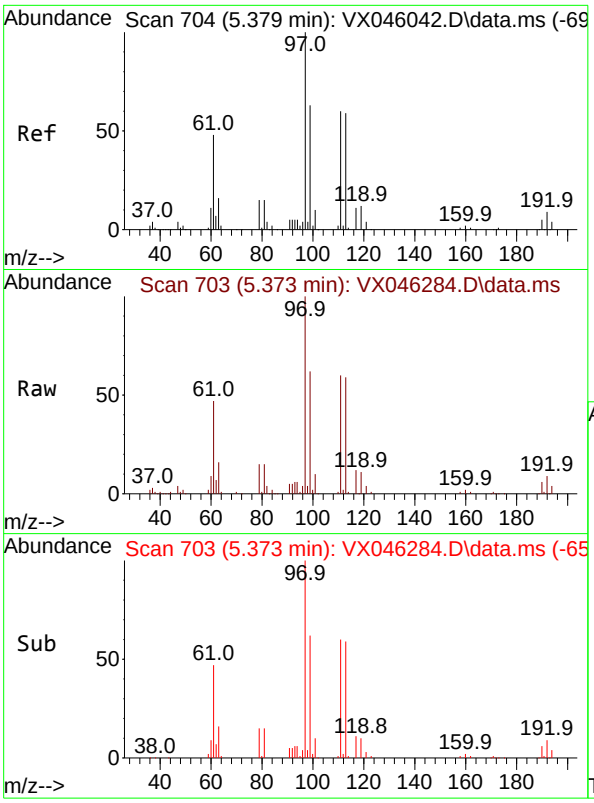


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:114 Resp: 161730

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	49.2
88	17.9	0.0	33.6

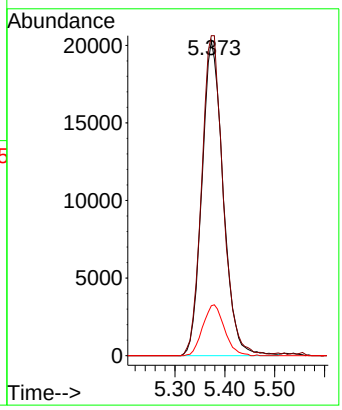




#35
Dibromofluoromethane
Concen: 51.518 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:113 Resp: 5999

Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.1	124.7
192	16.4	13.3	19.9



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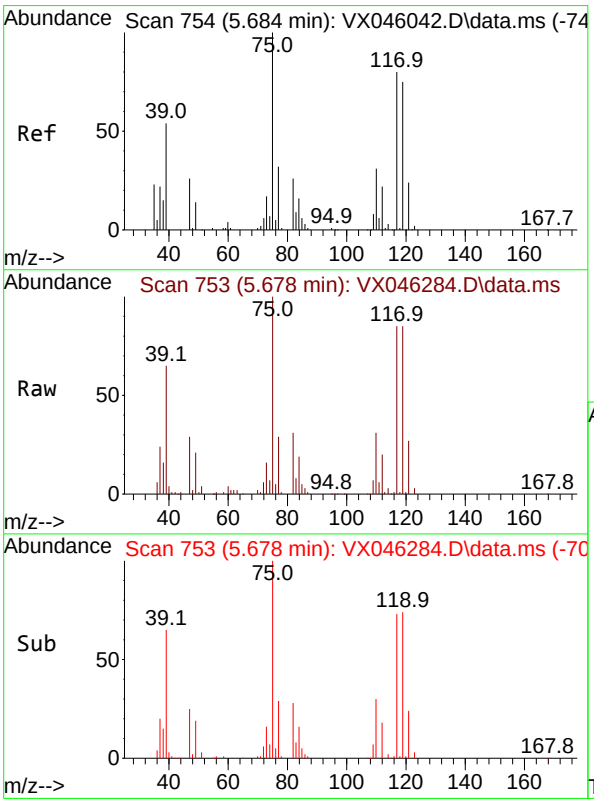
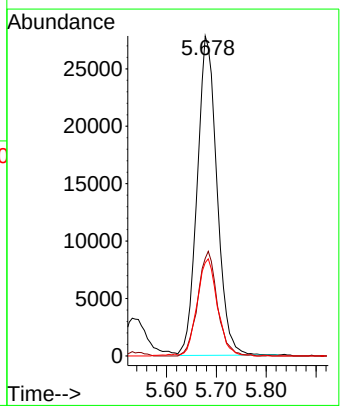
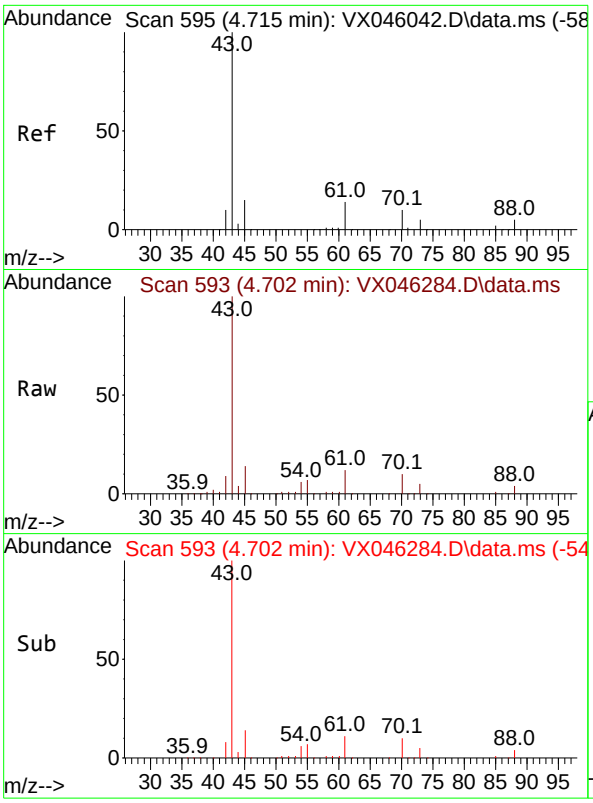


#36
1,1-Dichloropropene
Concen: 48.791 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 75 Resp: 76348

Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.3	48.9
77	31.6	24.3	36.5

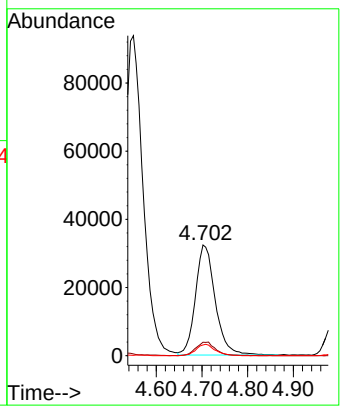




#37
Ethyl Acetate
Concen: 50.197 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 9704

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.3	15.5
70	9.9	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
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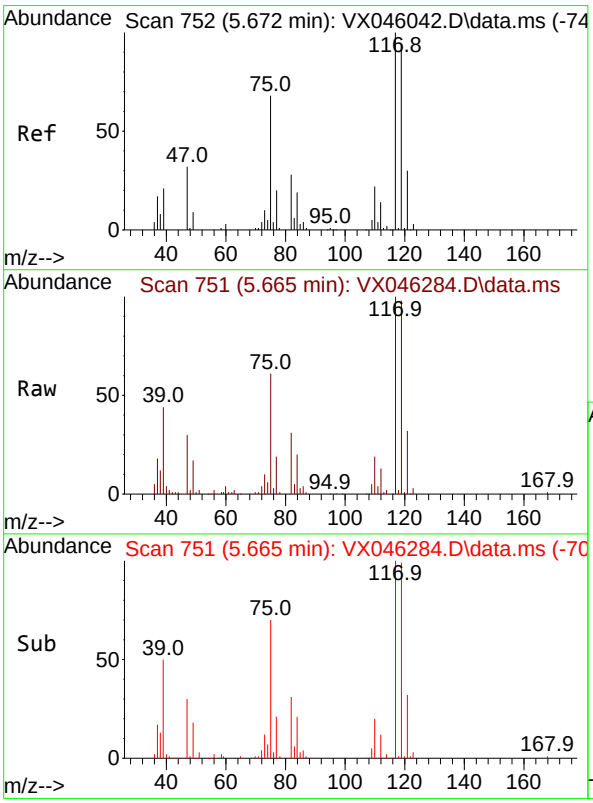
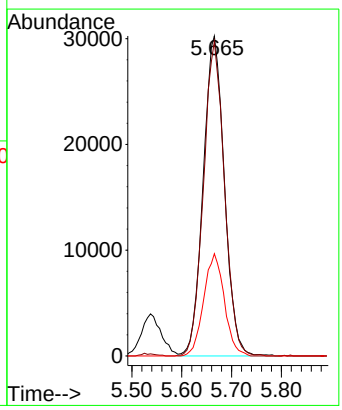
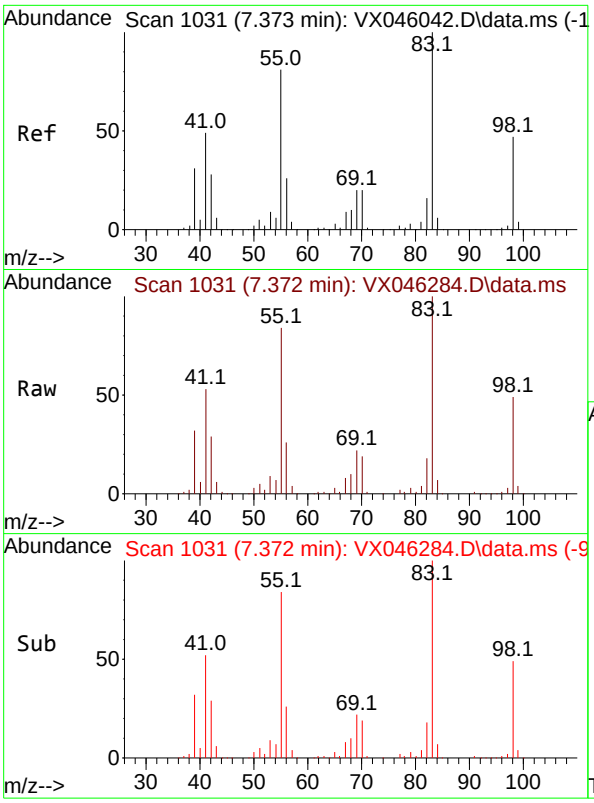


#38
Carbon Tetrachloride
Concen: 50.907 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:117 Resp: 89504

Ion	Ratio	Lower	Upper
117	100		
119	98.3	75.2	112.8
121	32.0	24.2	36.4

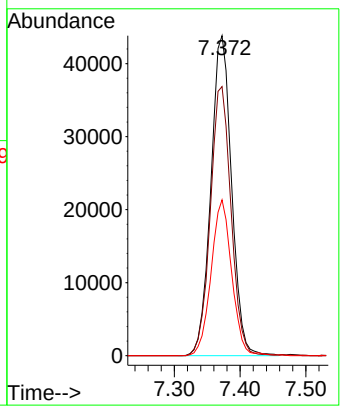




#39
Methylcyclohexane
Concen: 47.691 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 83 Resp: 9607

Ion	Ratio	Lower	Upper
83	100		
55	84.1	64.7	97.1
98	48.7	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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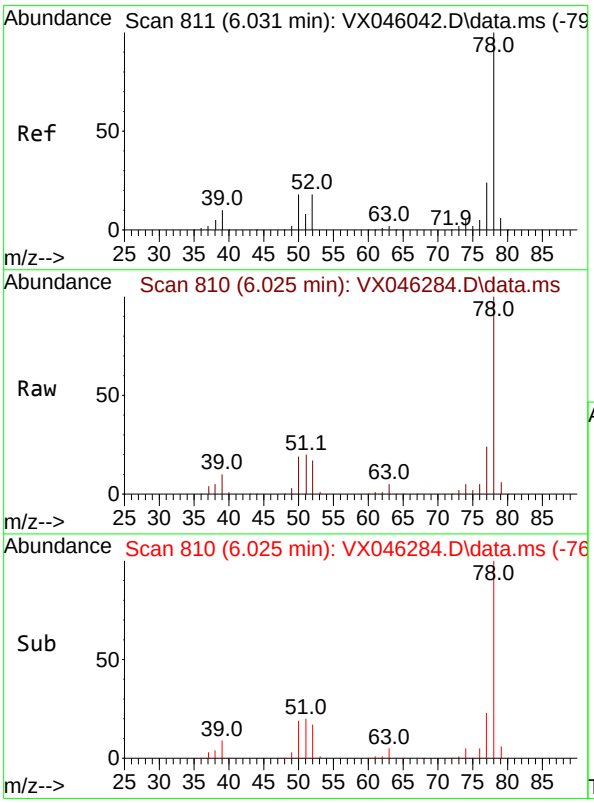
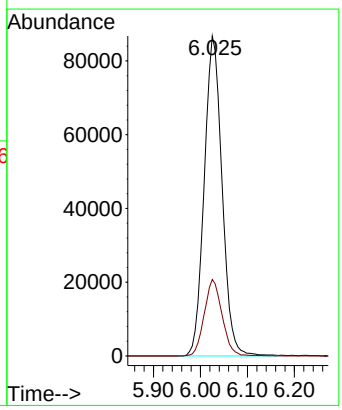
Supervised By :Mahesh Dadoda 05/22/2025

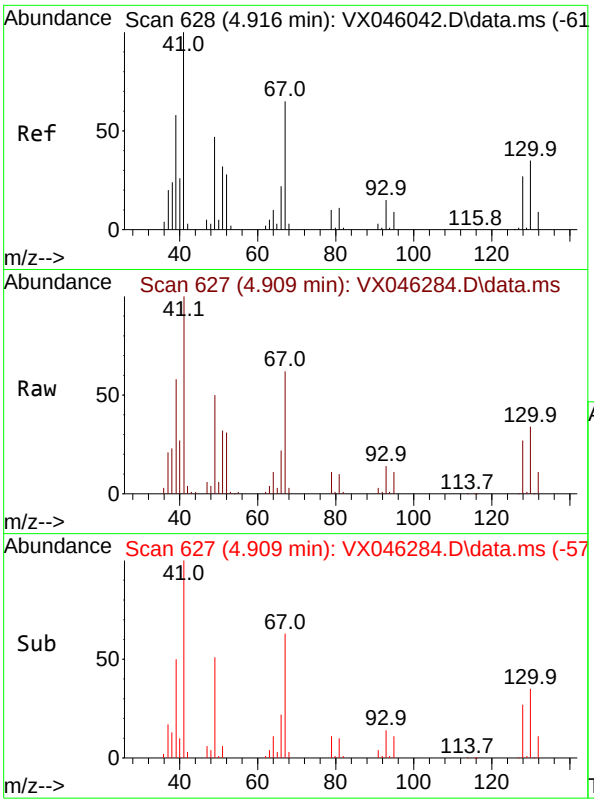


#40
Benzene
Concen: 49.833 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 78 Resp: 228406

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4

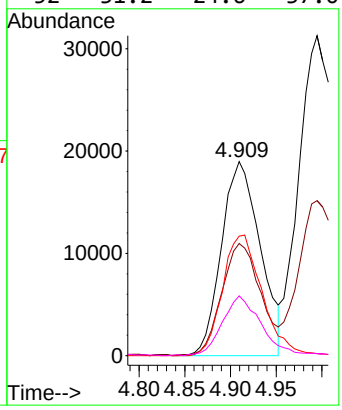




#41
Methacrylonitrile
Concen: 55.480 ug/l
RT: 4.909 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 41 Resp: 5610

Ion	Ratio	Lower	Upper
41	100		
39	57.9	47.2	70.8
67	63.5	50.7	76.1
52	31.2	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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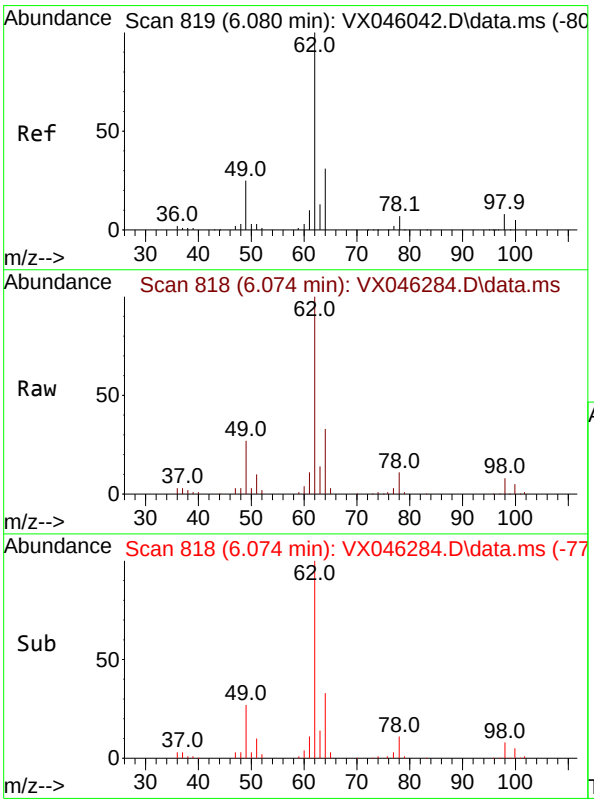
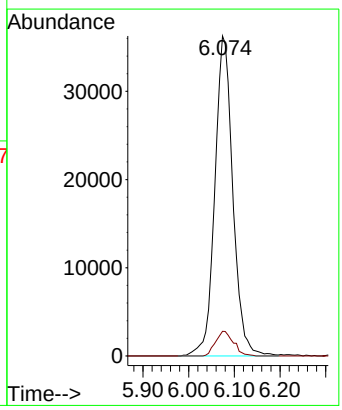
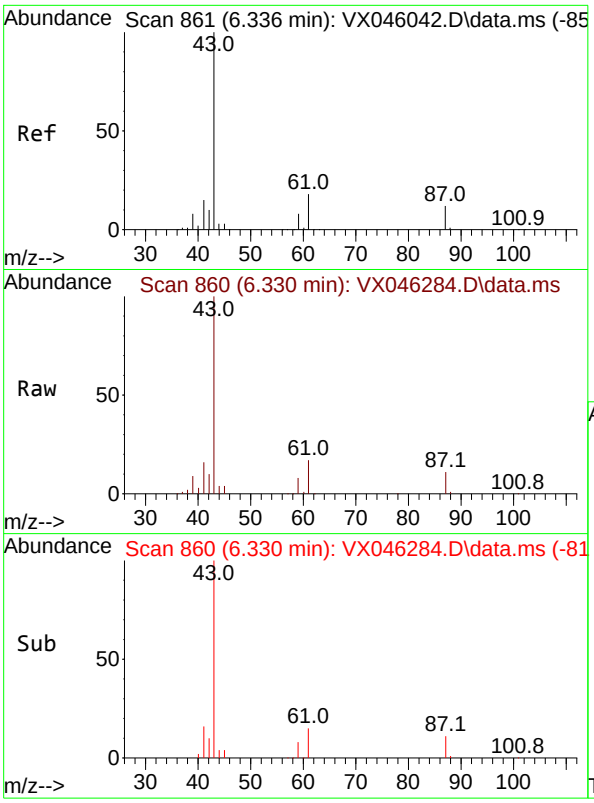


#42
1,2-Dichloroethane
Concen: 50.298 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 62 Resp: 99497

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.2

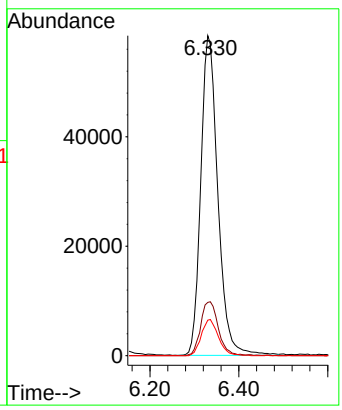




#43
Isopropyl Acetate
Concen: 52.987 ug/l
RT: 6.330 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 15627

Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.3	21.5
87	11.3	9.5	14.3



Instrument :
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ClientSampleId :
VSTDCCC050

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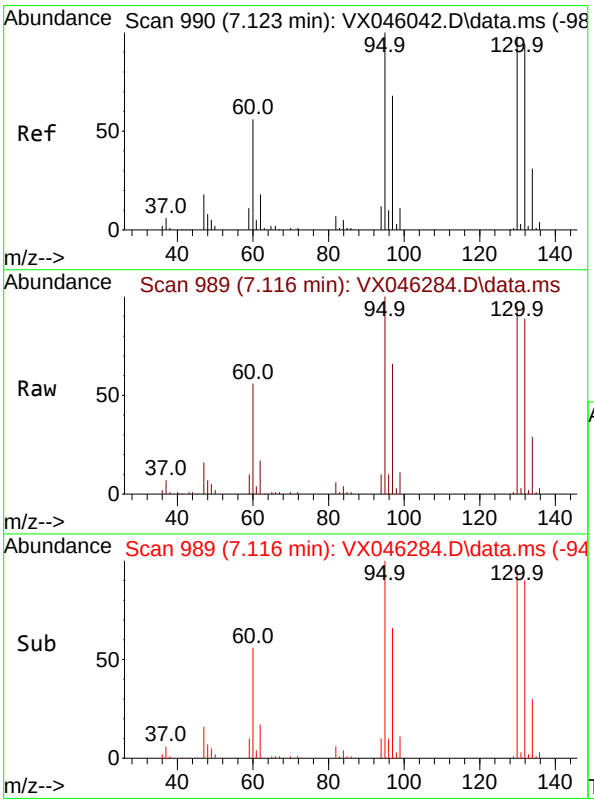
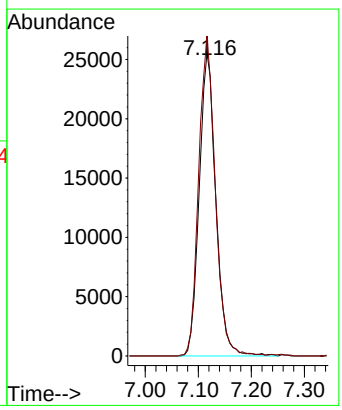
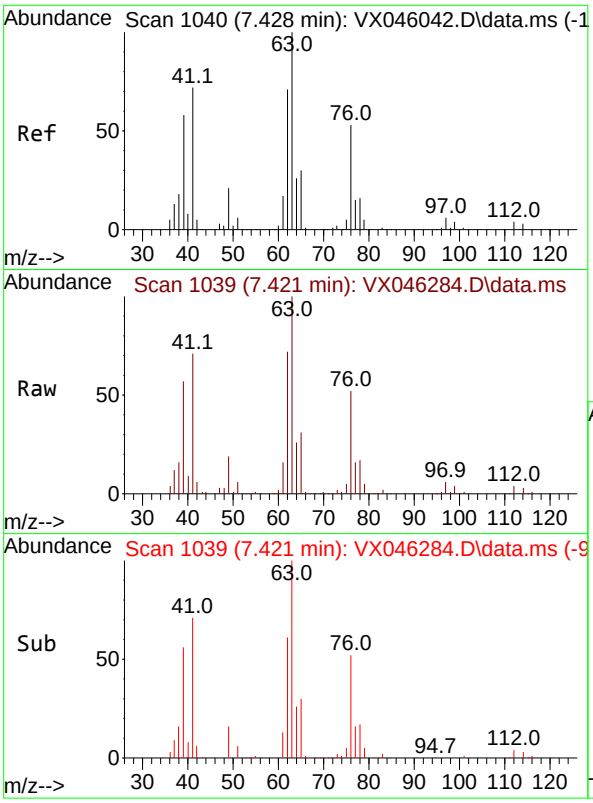


#44
Trichloroethene
Concen: 50.452 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:130 Resp: 55656

Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	204.2

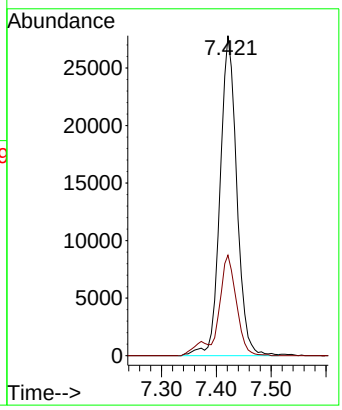




#45
1,2-Dichloropropane
Concen: 51.990 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 63 Resp: 5925

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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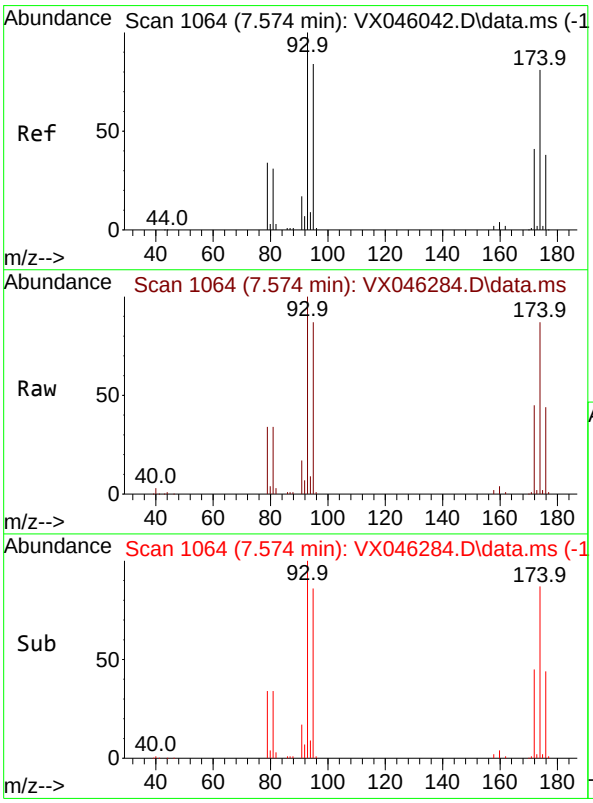
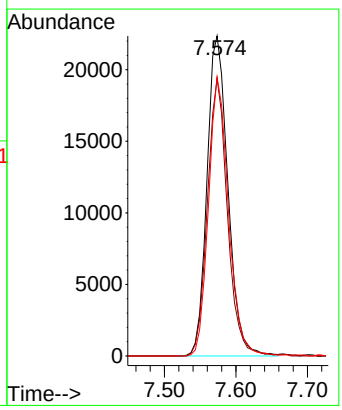
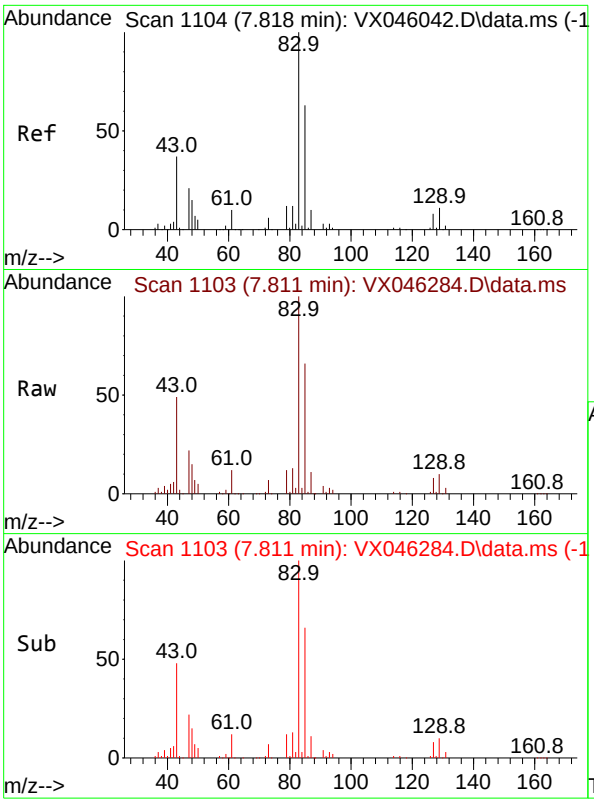


#46
Dibromomethane
Concen: 50.531 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 93 Resp: 45422

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.6	98.4
174	83.8	68.2	102.2

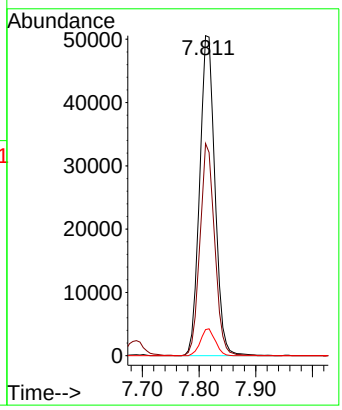




#47
Bromodichloromethane
Concen: 53.478 ug/l
RT: 7.811 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 83 Resp: 9467

Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.5	75.7
127	8.1	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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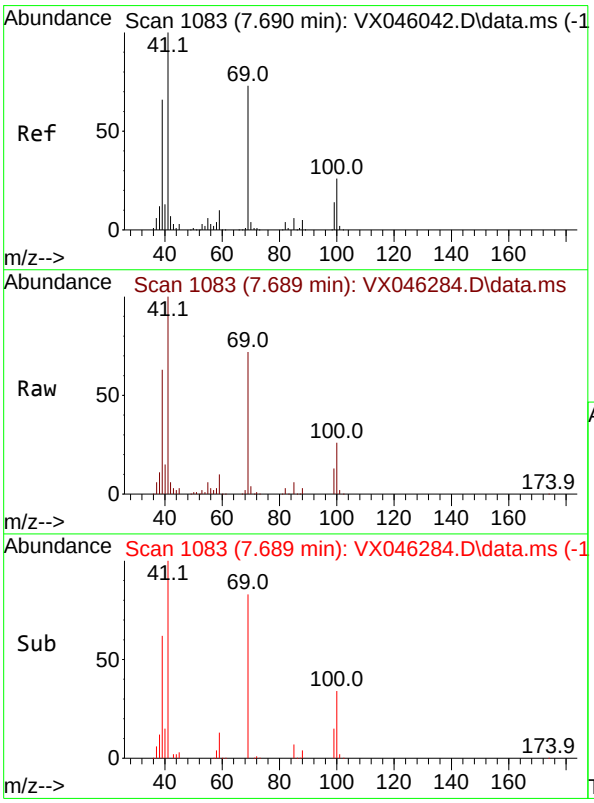
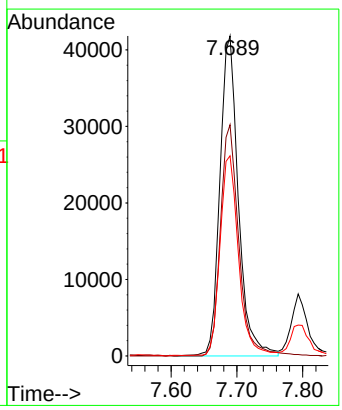
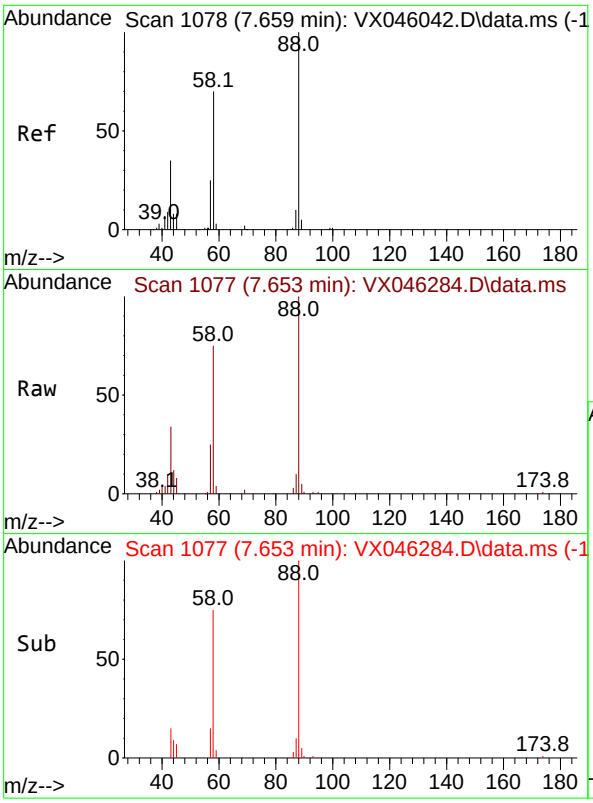


#48
Methyl methacrylate
Concen: 54.212 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 41 Resp: 81658

Ion	Ratio	Lower	Upper
41	100		
69	72.1	58.5	87.7
39	62.3	51.7	77.5

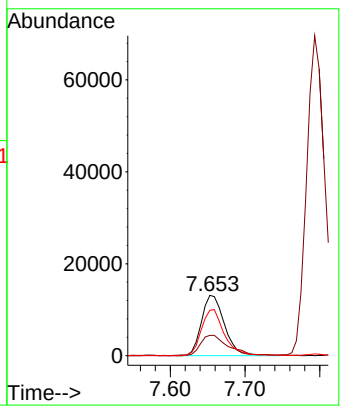




#49
1,4-Dioxane
Concen: 977.870 ug/l
RT: 7.653 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 88 Resp: 2796

Ion	Ratio	Lower	Upper
88	100		
43	42.1	33.4	50.2
58	76.5	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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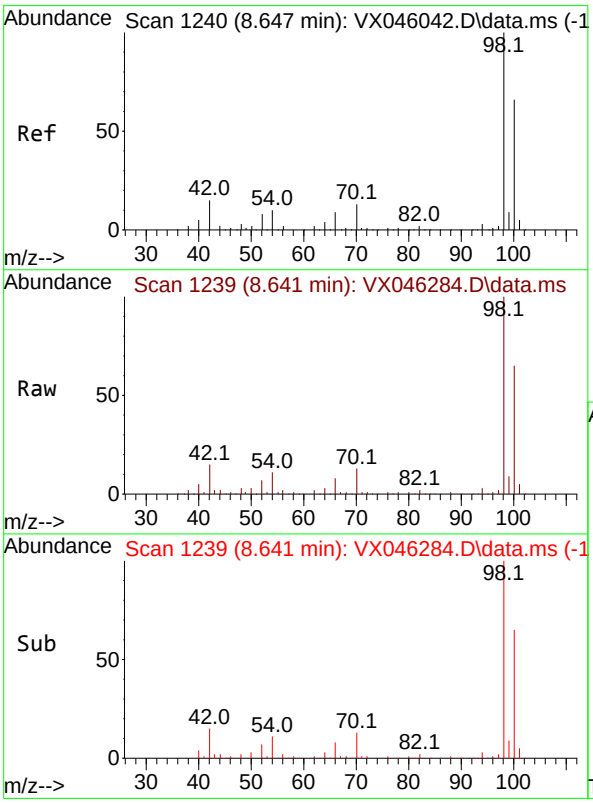
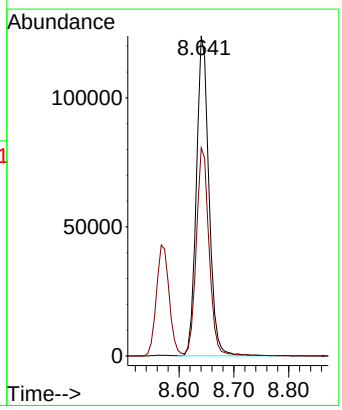
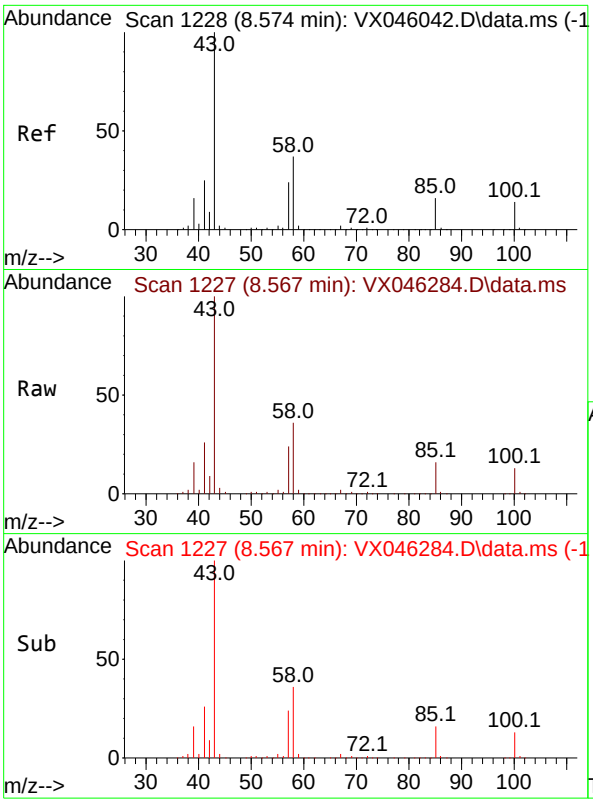


#50
Toluene-d8
Concen: 49.081 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 98 Resp: 197841

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.5	80.3

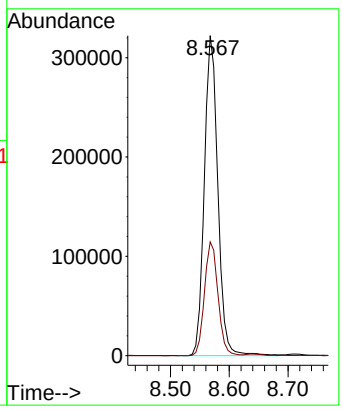




#51
4-Methyl-2-Pentanone
Concen: 262.926 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 51474

Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
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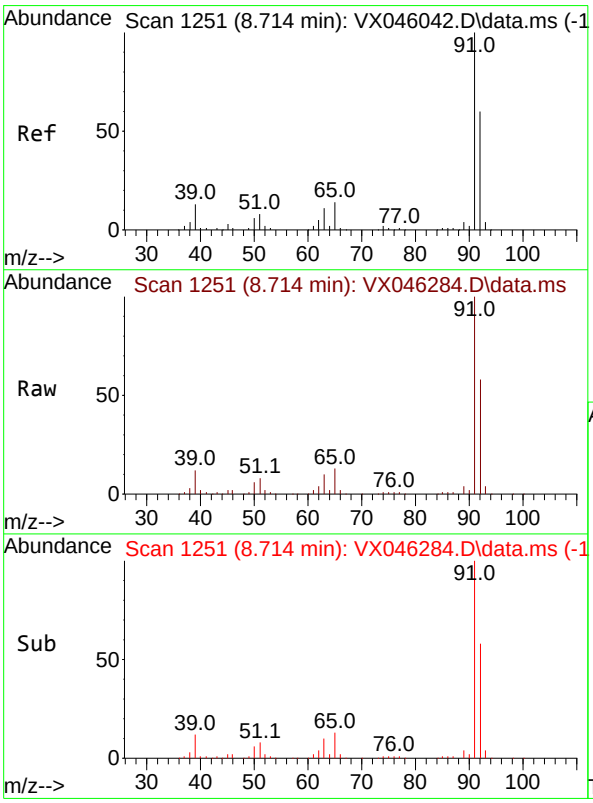
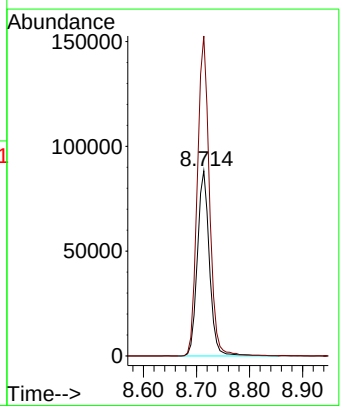
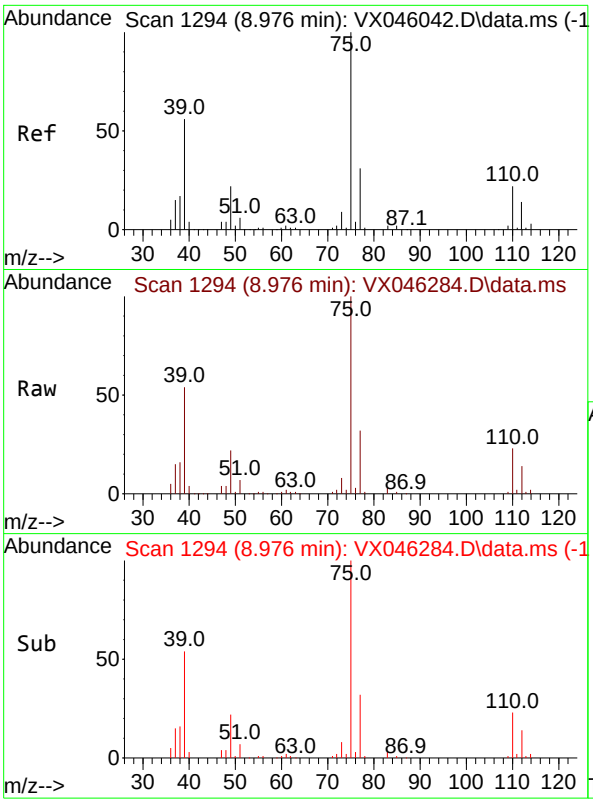


#52
Toluene
Concen: 49.311 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 92 Resp: 138588

Ion	Ratio	Lower	Upper
92	100		
91	174.2	136.6	205.0

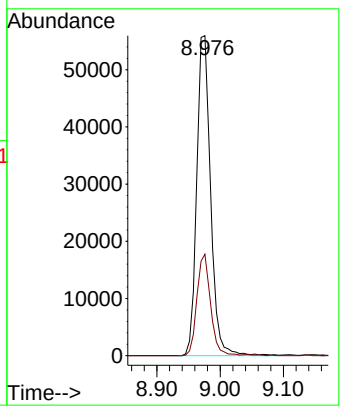




#53
t-1,3-Dichloropropene
Concen: 54.425 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 75 Resp: 8564

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
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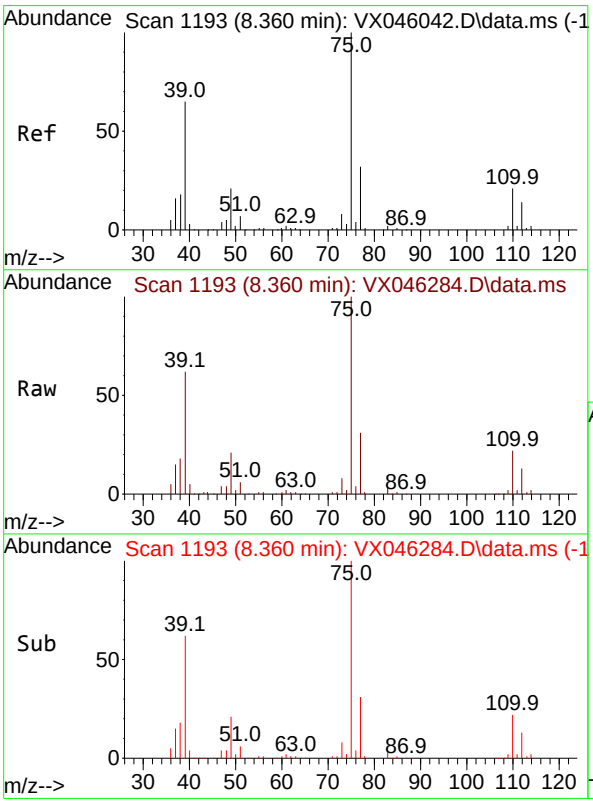
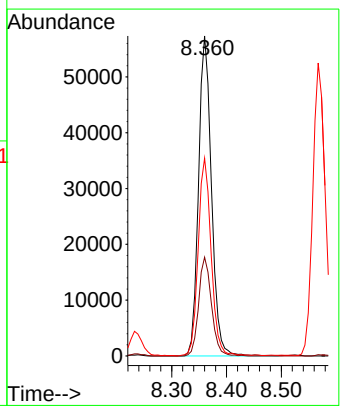
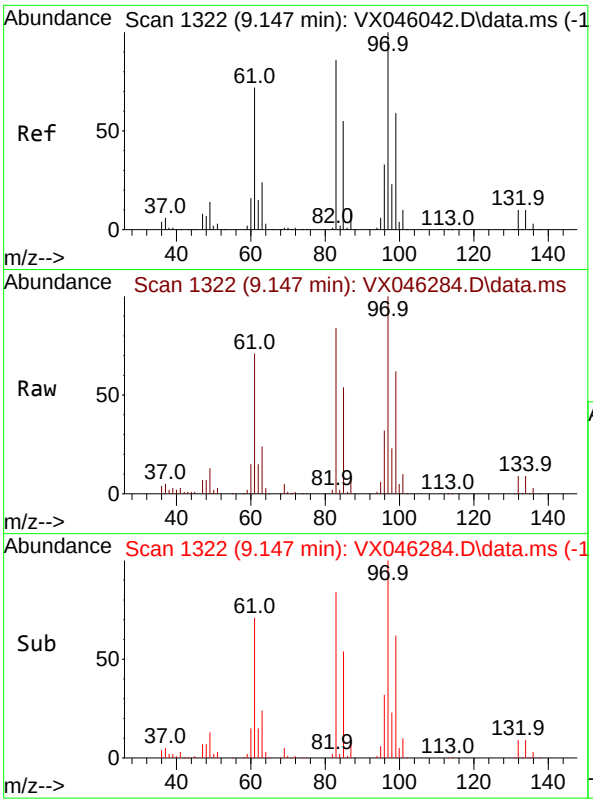


#54
cis-1,3-Dichloropropene
Concen: 54.136 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 75 Resp: 94157

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	61.8	52.2	78.4

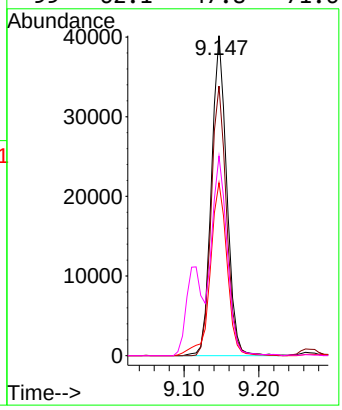




#55
1,1,2-Trichloroethane
Concen: 51.730 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 97 Resp: 5732

Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.0	103.6
85	53.9	44.3	66.5
99	62.1	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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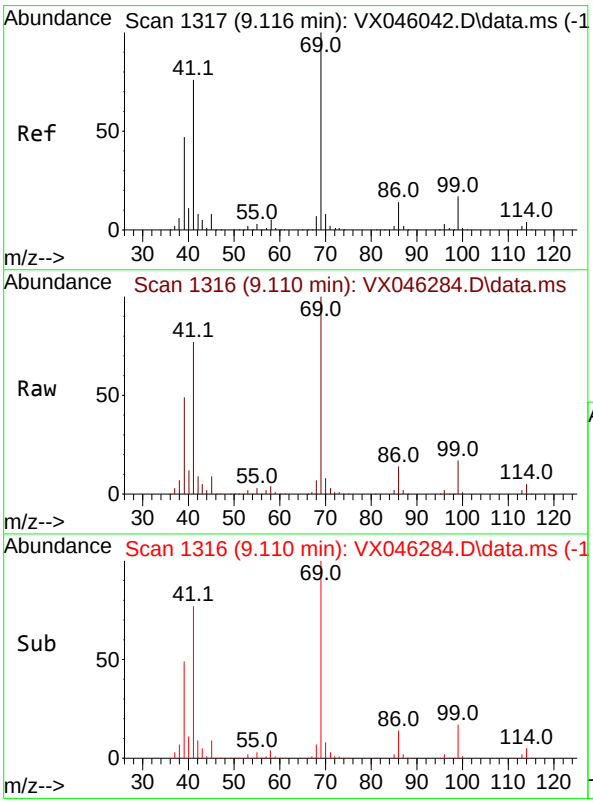
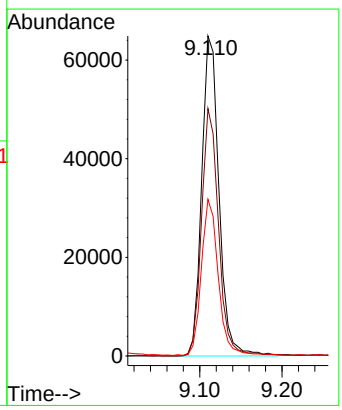
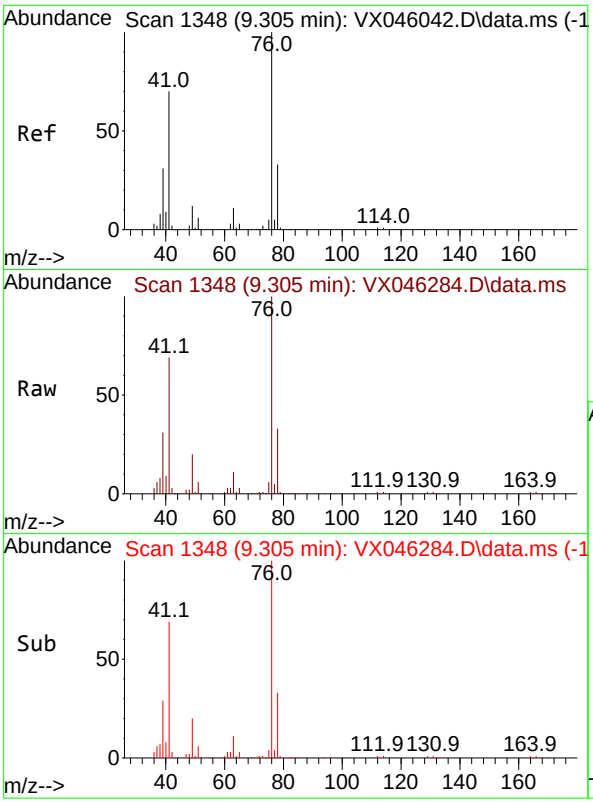


#56
Ethyl methacrylate
Concen: 53.634 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 69 Resp: 94728

Ion	Ratio	Lower	Upper
69	100		
41	76.5	60.8	91.2
39	48.1	39.0	58.6

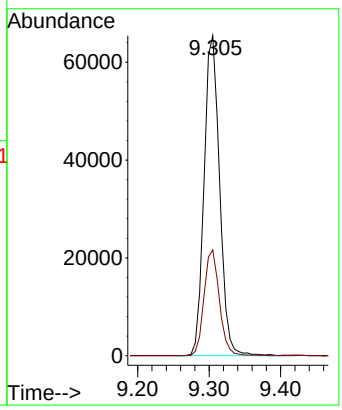




#57
1,3-Dichloropropane
Concen: 49.714 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 76 Resp: 9894

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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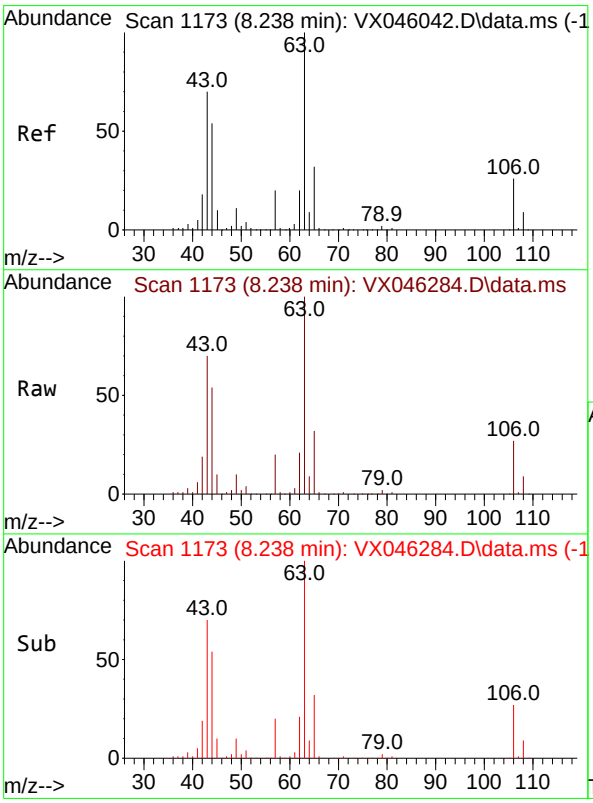
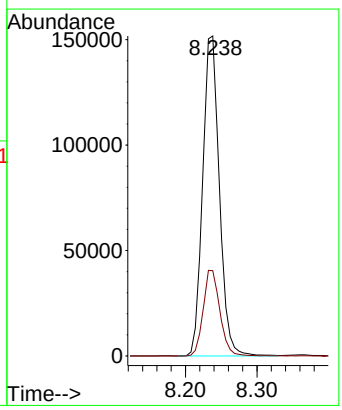
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

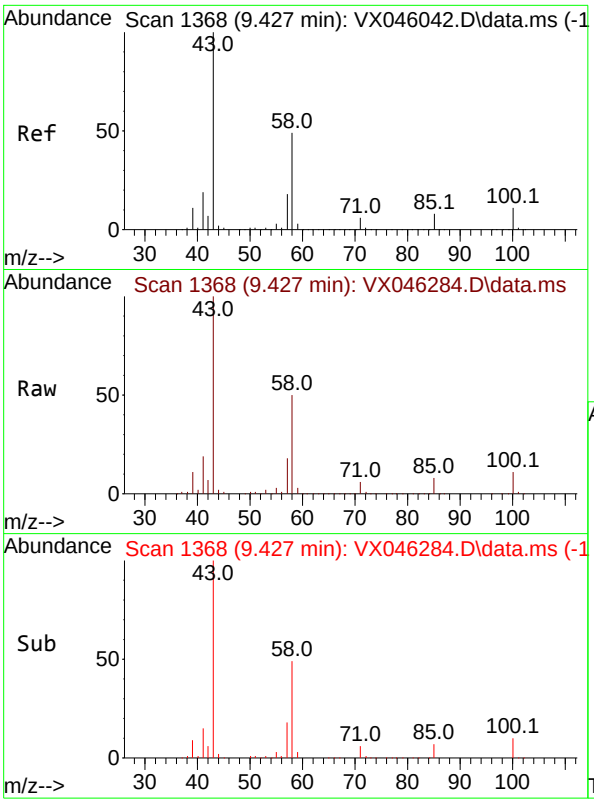


#58
2-Chloroethyl Vinyl ether
Concen: 273.669 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 63 Resp: 246422

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.5	32.3

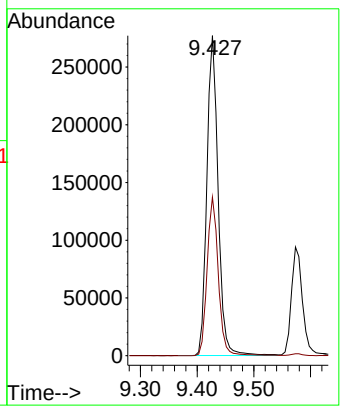




#59
2-Hexanone
Concen: 263.910 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 38225

Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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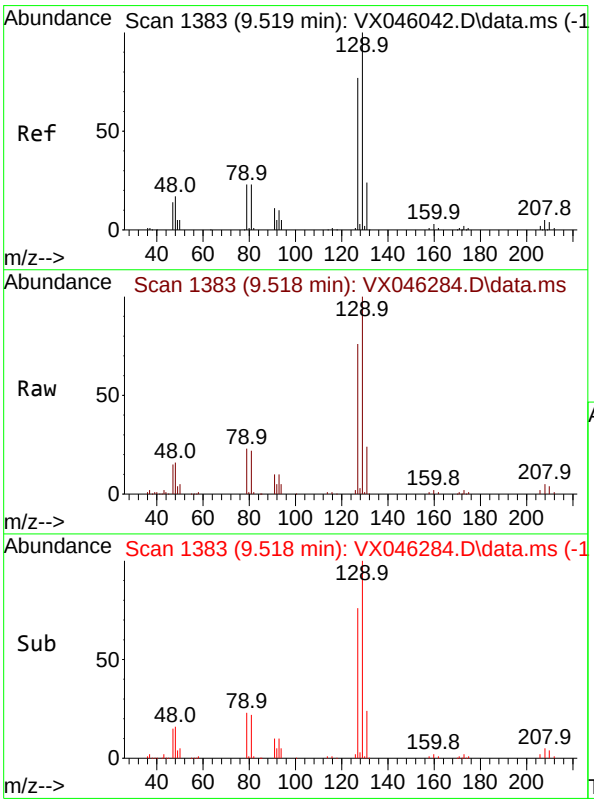
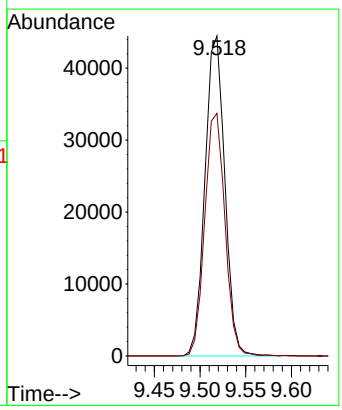
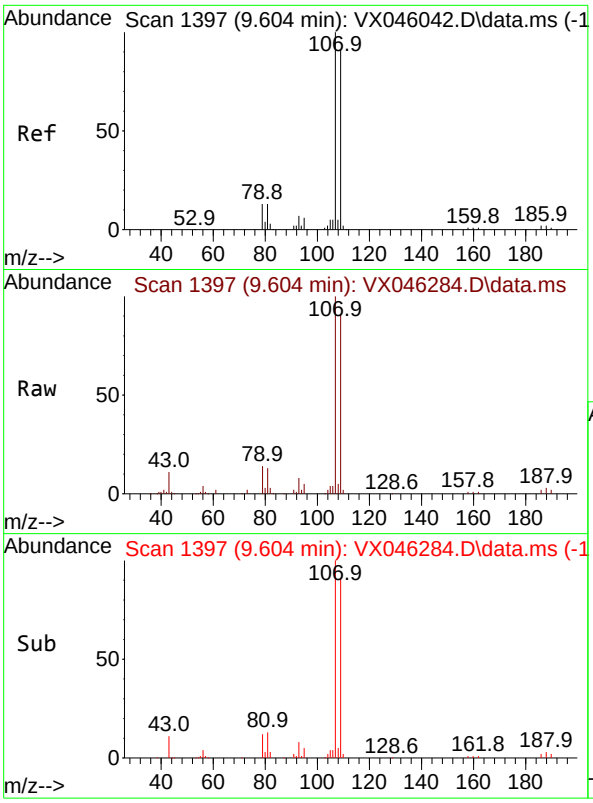


#60
Dibromochloromethane
Concen: 54.971 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:129 Resp: 66902

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.3	117.8

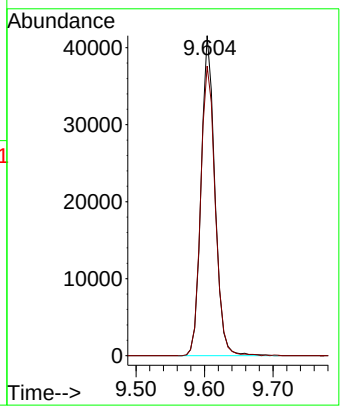




#61
1,2-Dibromoethane
Concen: 50.413 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:107 Resp: 5806

Ion	Ratio	Lower	Upper
107	100		
109	95.9	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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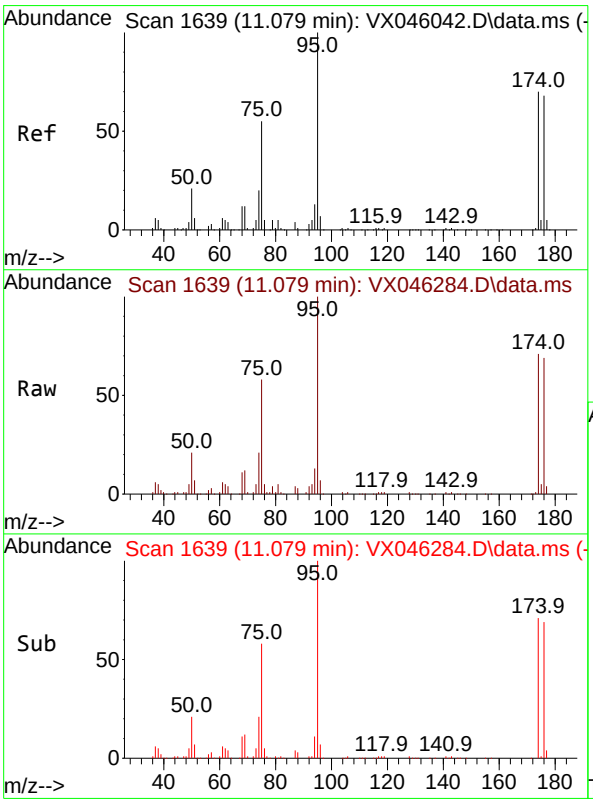
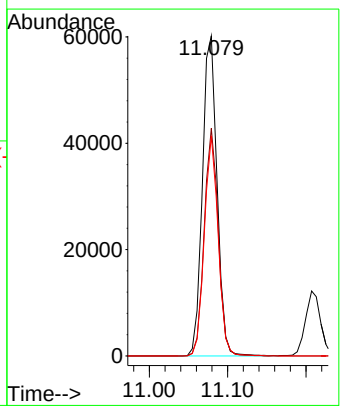
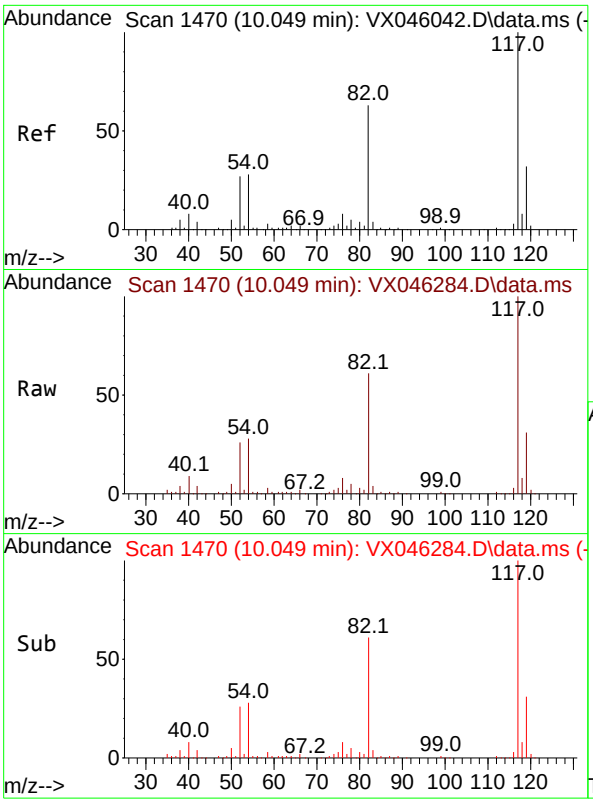


#62
4-Bromofluorobenzene
Concen: 50.363 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 95 Resp: 77871

Ion	Ratio	Lower	Upper
95	100		
174	68.3	0.0	135.8
176	65.0	0.0	131.4

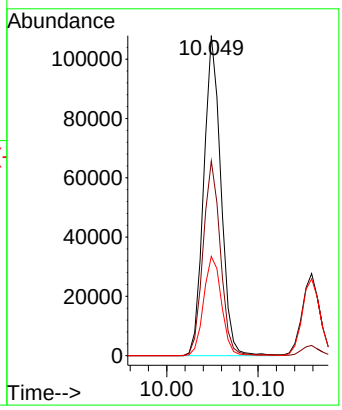




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:117 Resp: 14044

Ion	Ratio	Lower	Upper
117	100		
82	60.9	50.6	76.0
119	31.0	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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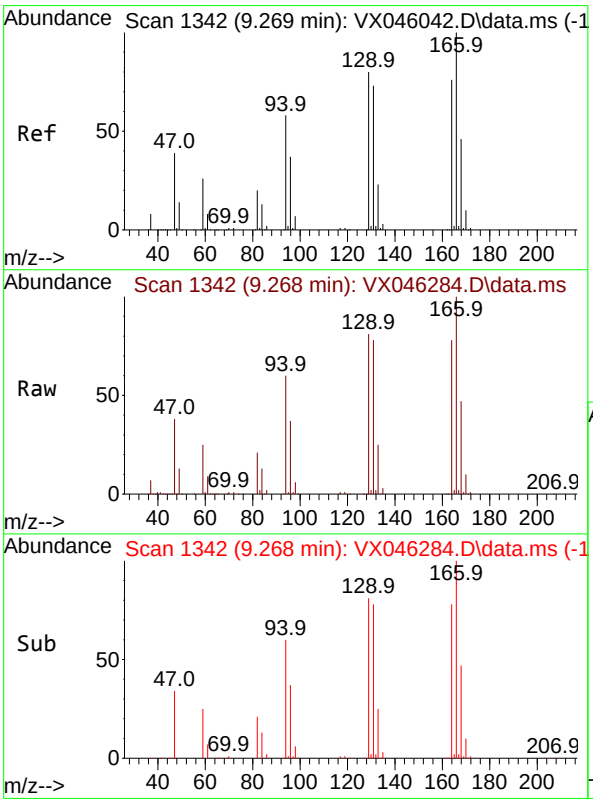
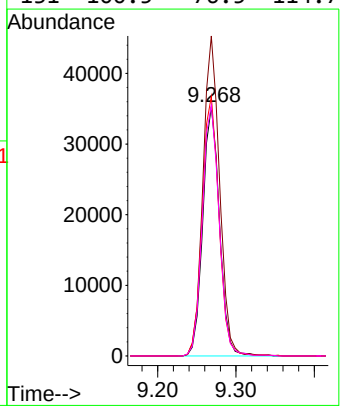
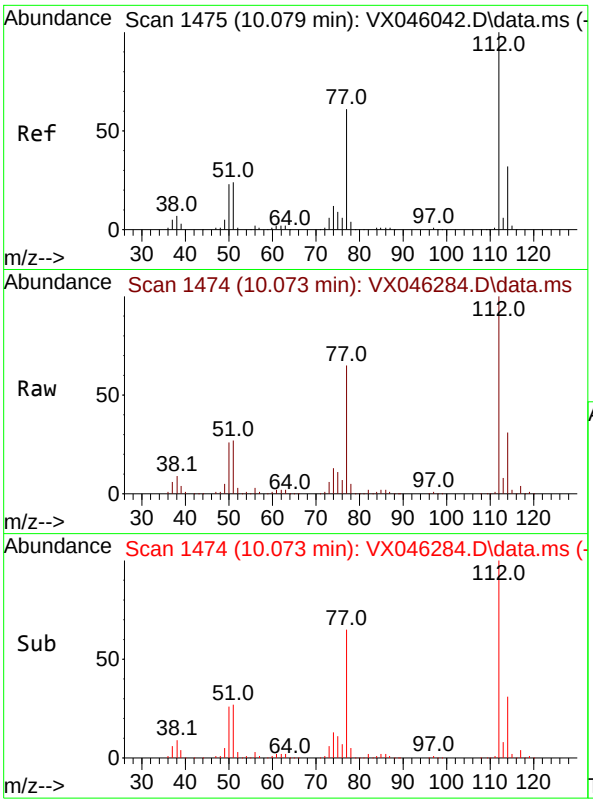


#64
Tetrachloroethene
Concen: 52.359 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:164 Resp: 52030

Ion	Ratio	Lower	Upper
164	100		
166	128.4	105.0	157.6
129	104.1	83.5	125.3
131	100.5	76.5	114.7

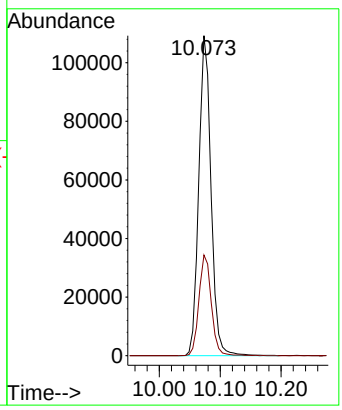




#65
Chlorobenzene
Concen: 49.440 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:112 Resp: 151979

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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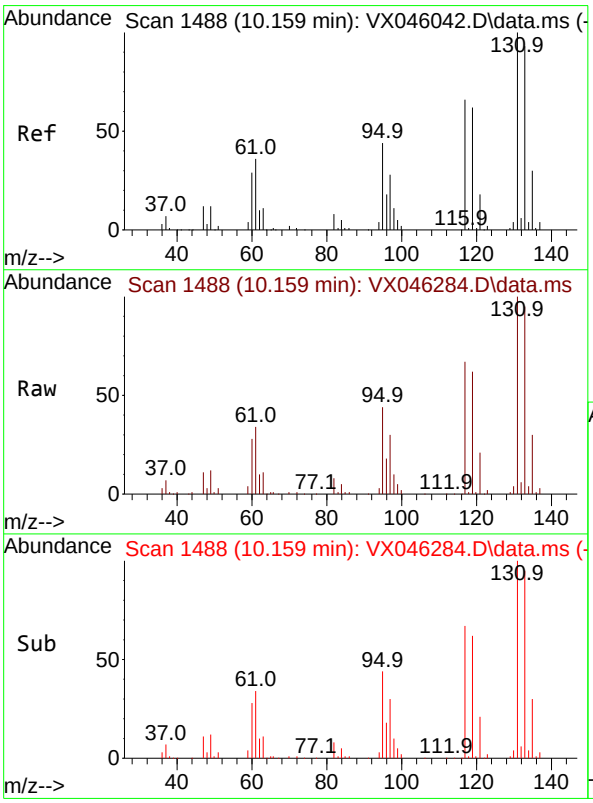
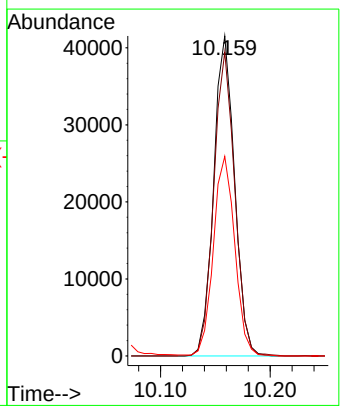
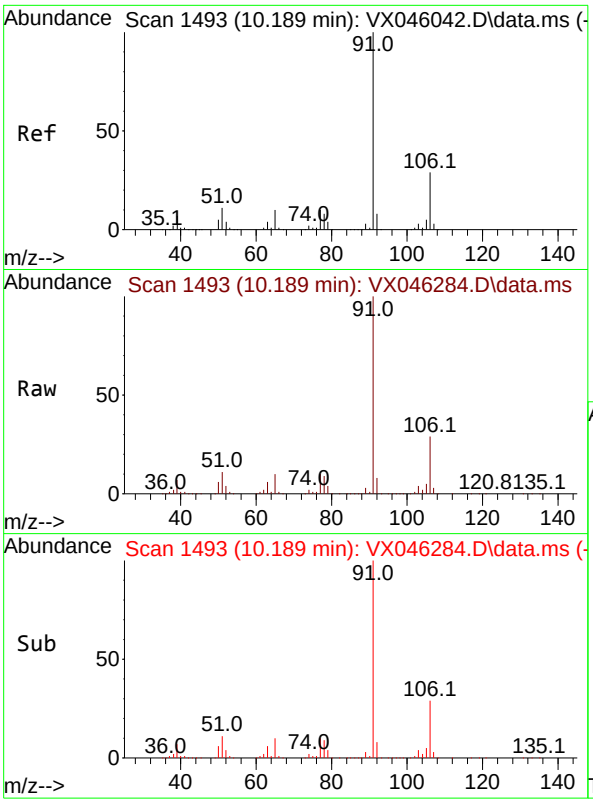


#66
1,1,1,2-Tetrachloroethane
Concen: 52.376 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:131 Resp: 54978

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.3	141.9
119	64.1	31.6	95.0

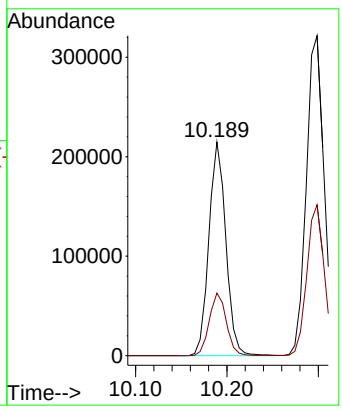




#67
Ethyl Benzene
Concen: 51.011 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 91 Resp: 27640

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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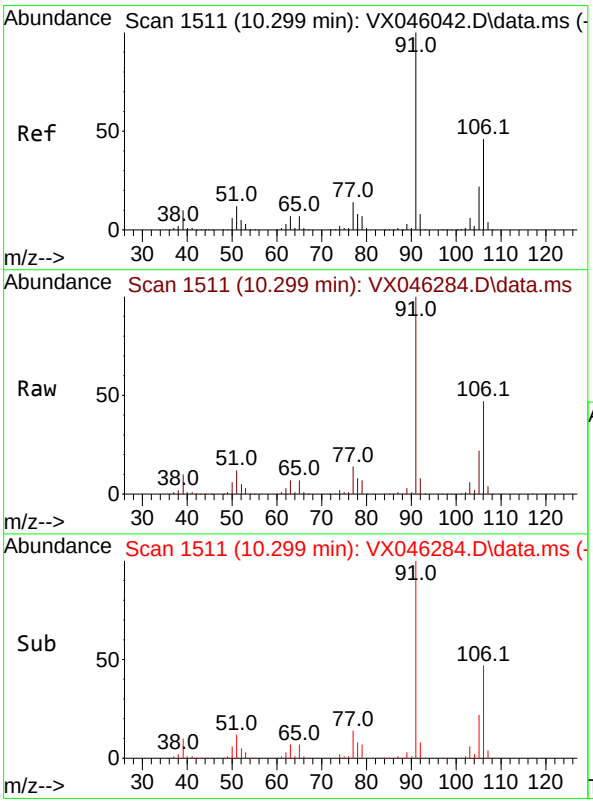
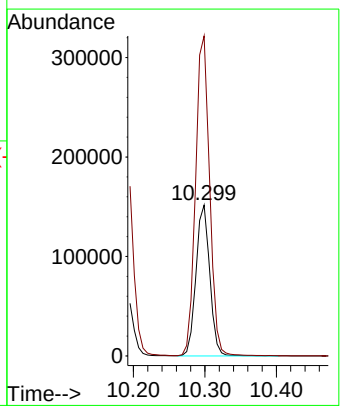
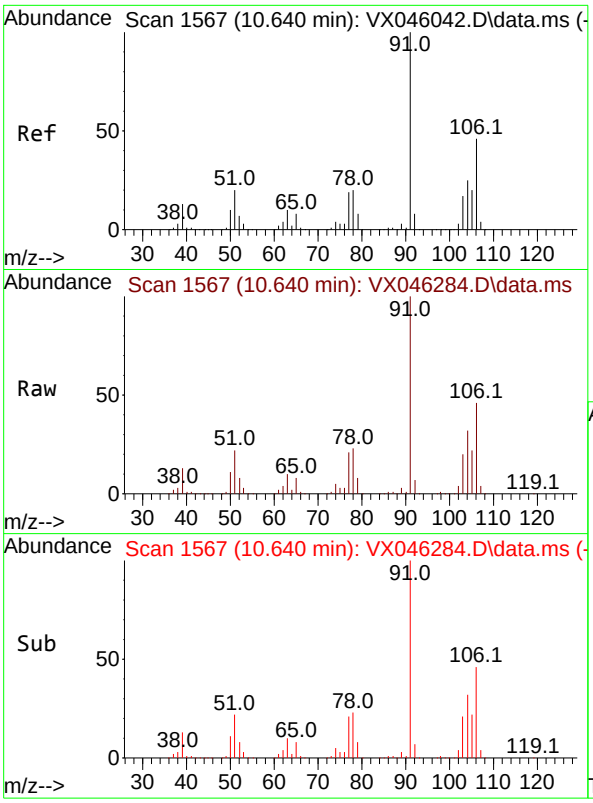


#68
m/p-Xylenes
Concen: 102.233 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:106 Resp: 202607

Ion	Ratio	Lower	Upper
106	100		
91	216.6	171.2	256.8

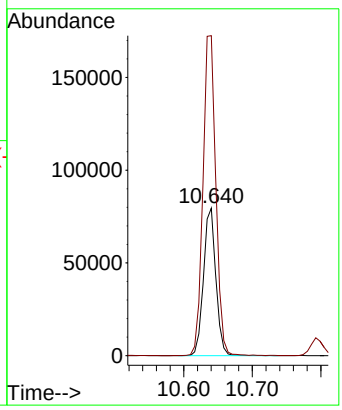




#69
o-Xylene
Concen: 51.746 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:106 Resp: 9997

Ion	Ratio	Lower	Upper
106	100		
91	226.4	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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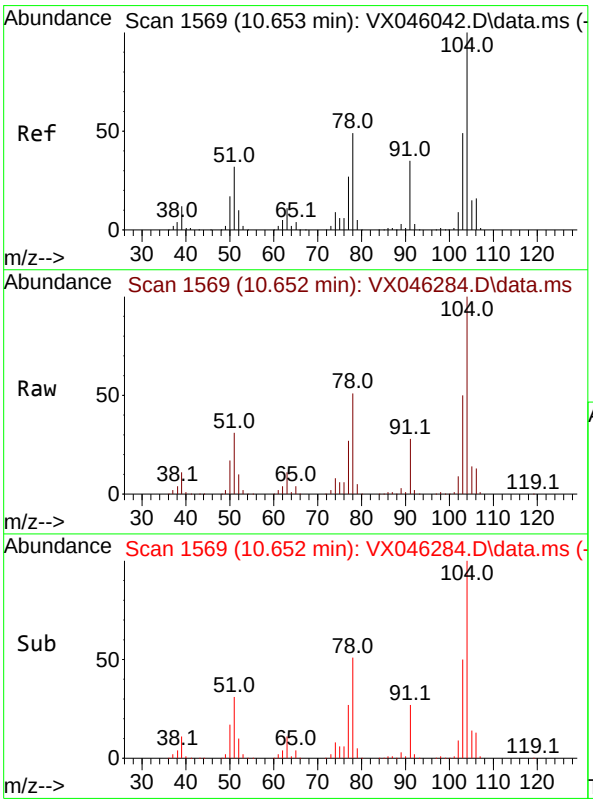
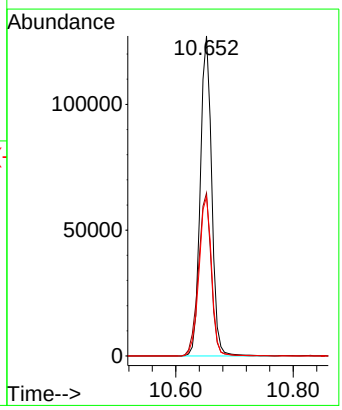
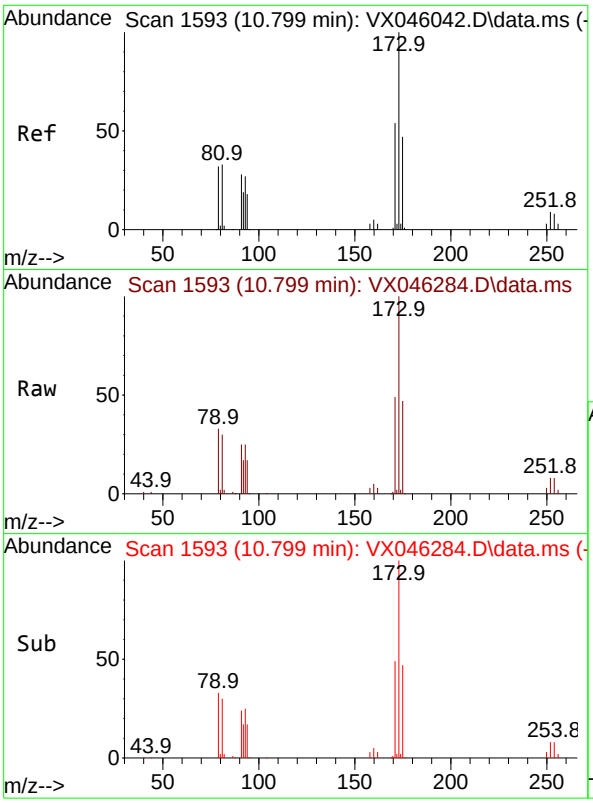


#70
Styrene
Concen: 53.925 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:104 Resp: 170672

Ion	Ratio	Lower	Upper
104	100		
78	56.9	45.7	68.5
103	55.0	43.7	65.5

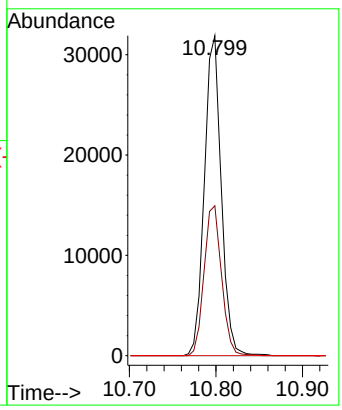




#71
Bromoform
Concen: 54.740 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:173 Resp: 4313

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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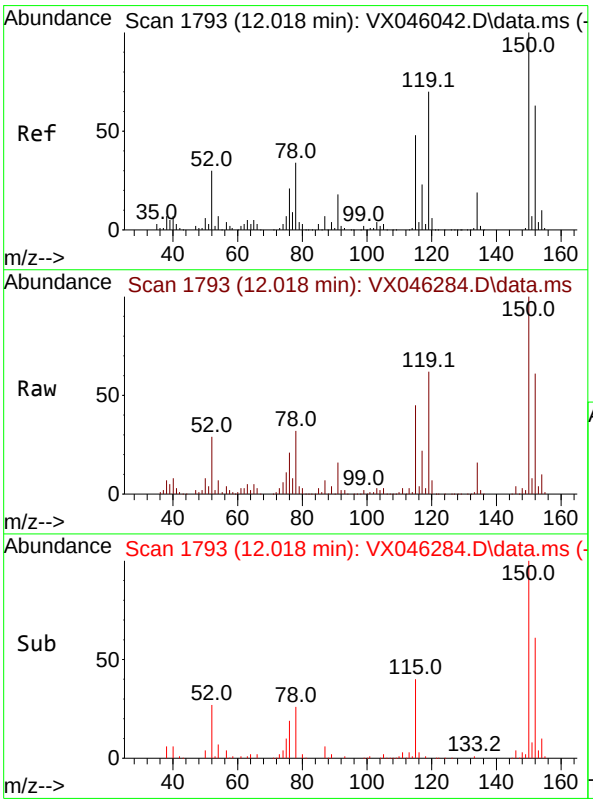
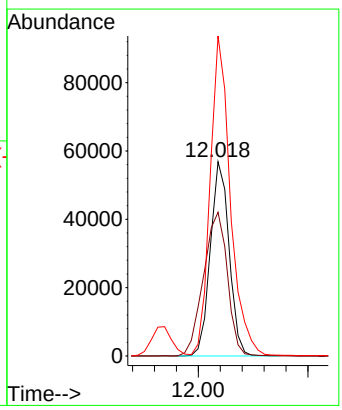
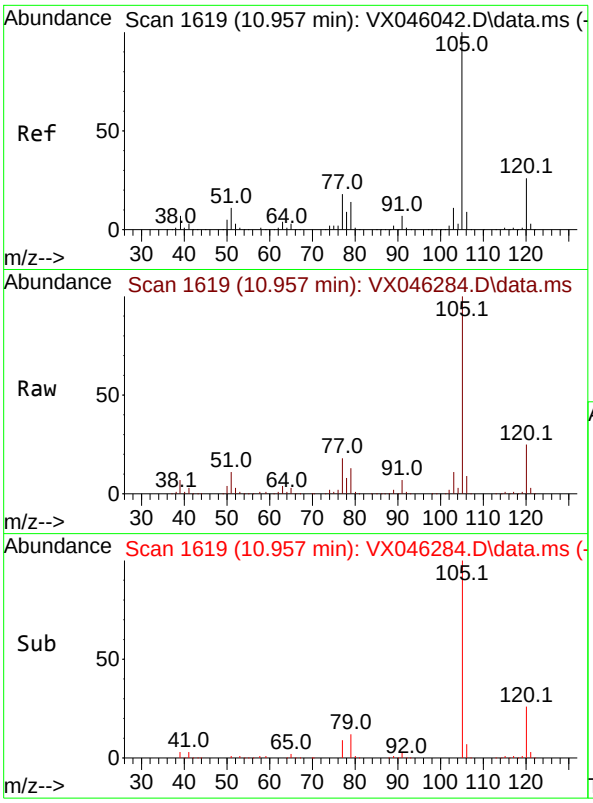


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:152 Resp: 67683

Ion	Ratio	Lower	Upper
152	100		
115	94.2	46.9	140.7
150	177.1	0.0	351.0





#73
Isopropylbenzene
Concen: 51.463 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:105 Resp: 27117

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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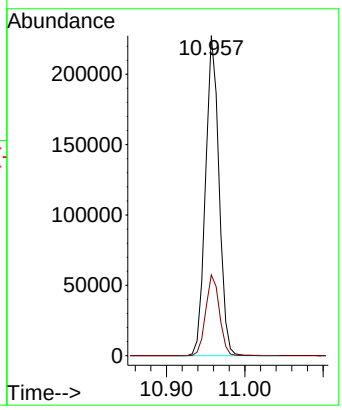
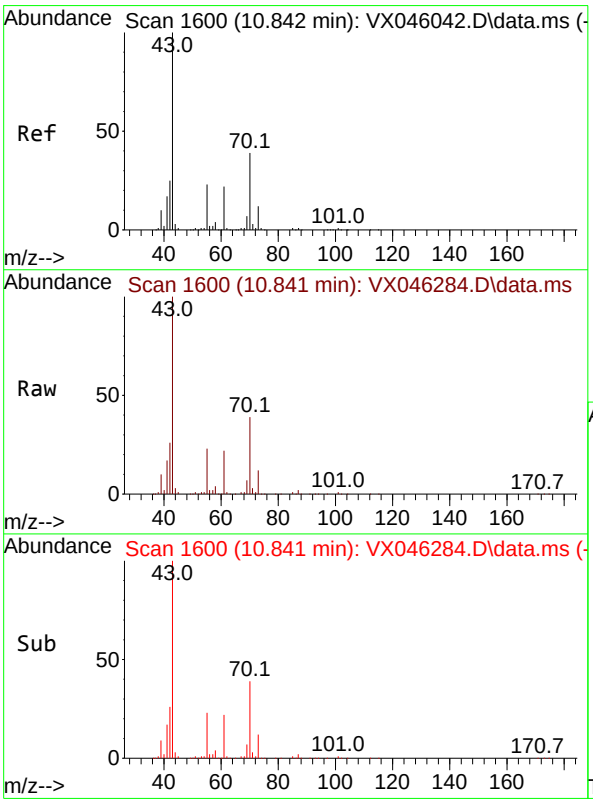
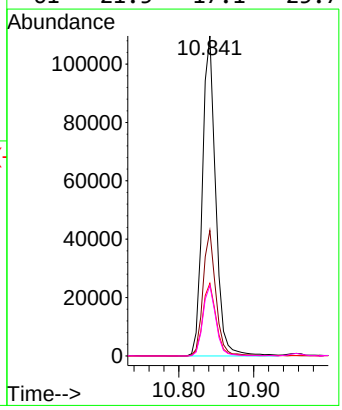


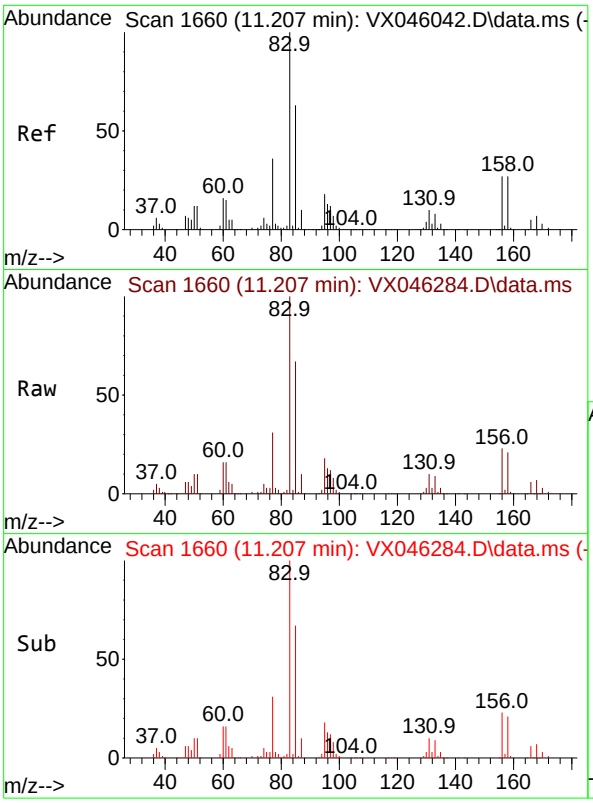


#74
N-amyl acetate
Concen: 51.743 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 134729

Ion	Ratio	Lower	Upper
43	100		
70	37.7	30.9	46.3
55	23.3	18.7	28.1
61	21.5	17.1	25.7





#75
1,1,2,2-Tetrachloroethane
Concen: 47.625 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 83 Resp: 8794

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.9	31.9	95.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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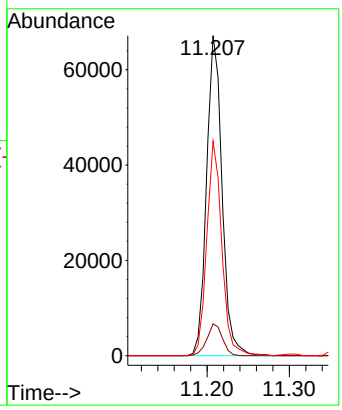
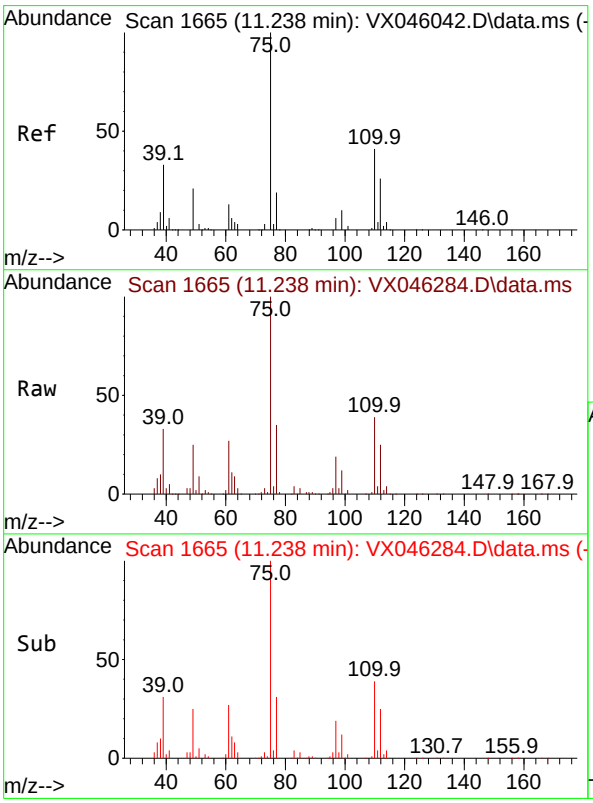
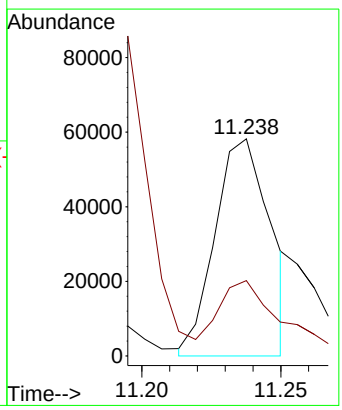


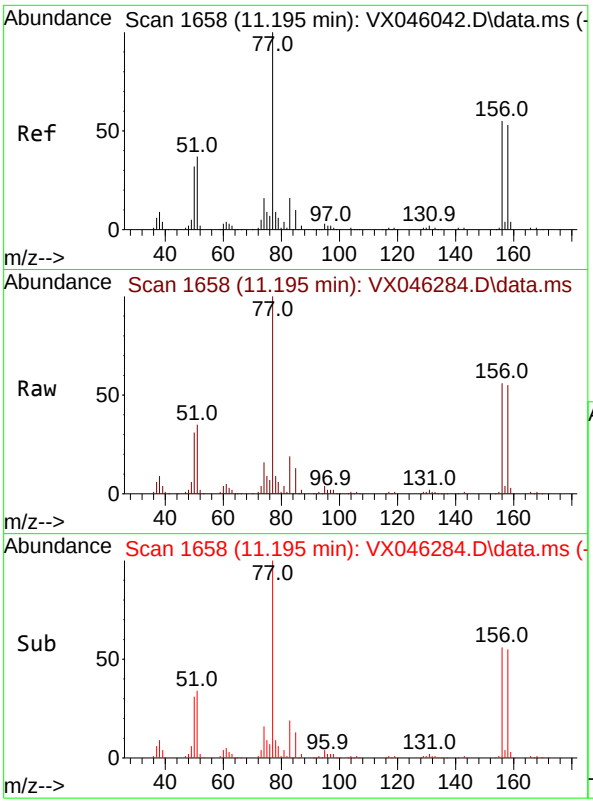


#76
1,2,3-Trichloropropane
Concen: 49.455 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 75 Resp: 80571

Ion	Ratio	Lower	Upper
75	100		
77	40.4	20.5	61.5

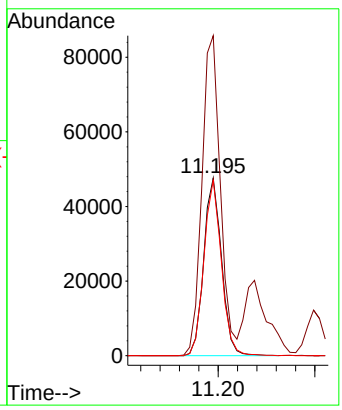




#77
Bromobenzene
Concen: 49.799 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:156 Resp: 6092

Ion	Ratio	Lower	Upper
156	100		
77	186.6	92.8	278.3
158	97.2	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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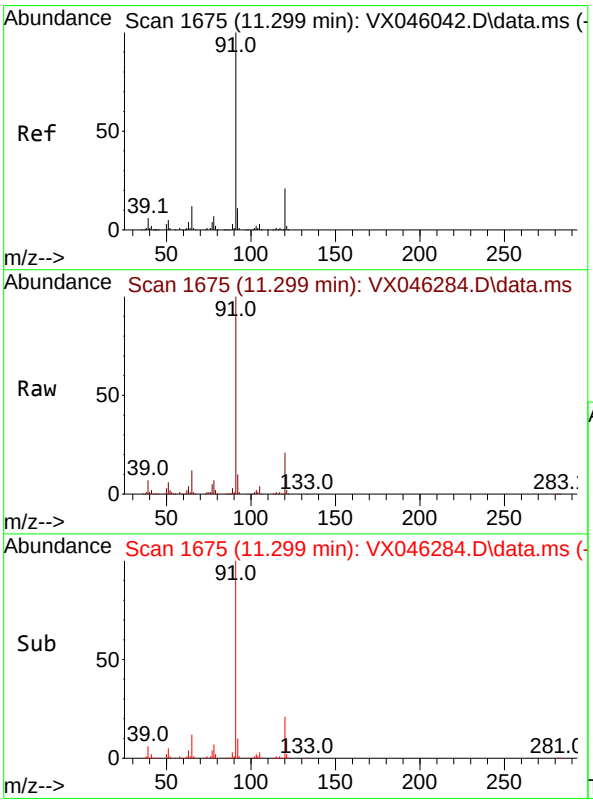
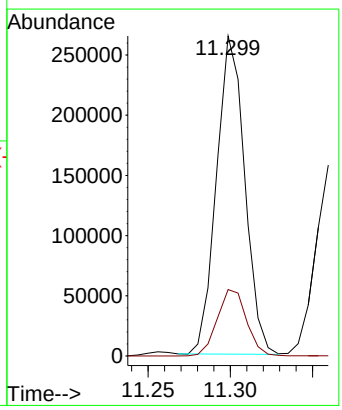
Supervised By :Mahesh Dadoda 05/22/2025

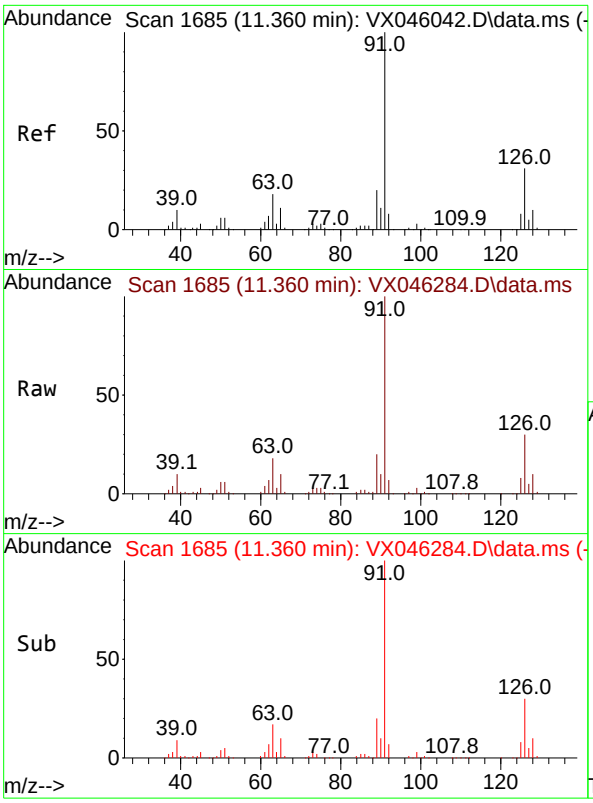


#78
n-propylbenzene
Concen: 51.595 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 91 Resp: 316117

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4

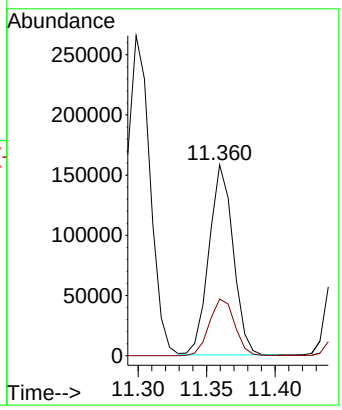




#79
2-Chlorotoluene
Concen: 49.086 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 91 Resp: 19398

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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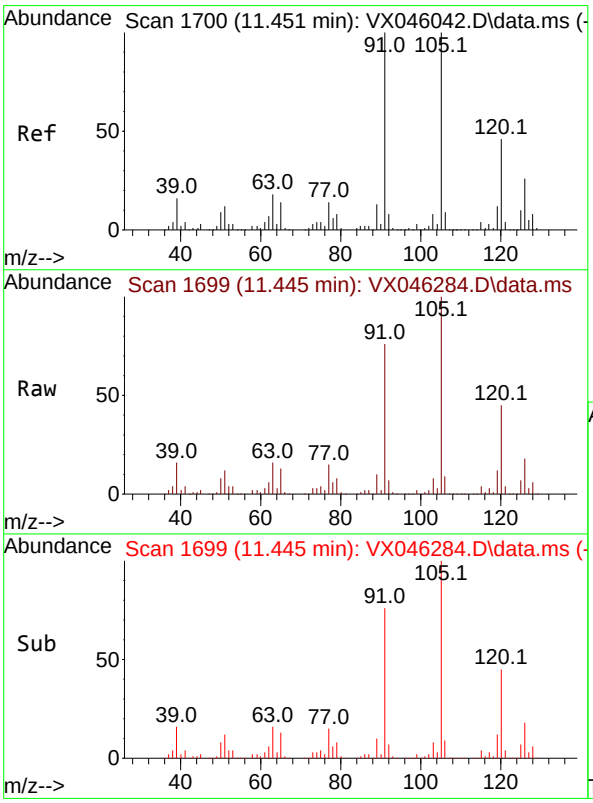
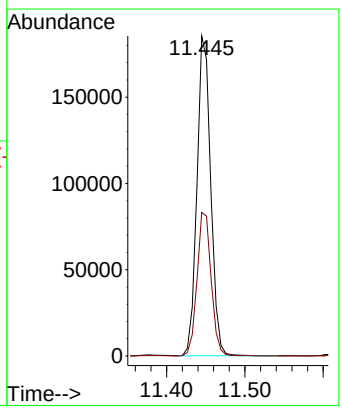
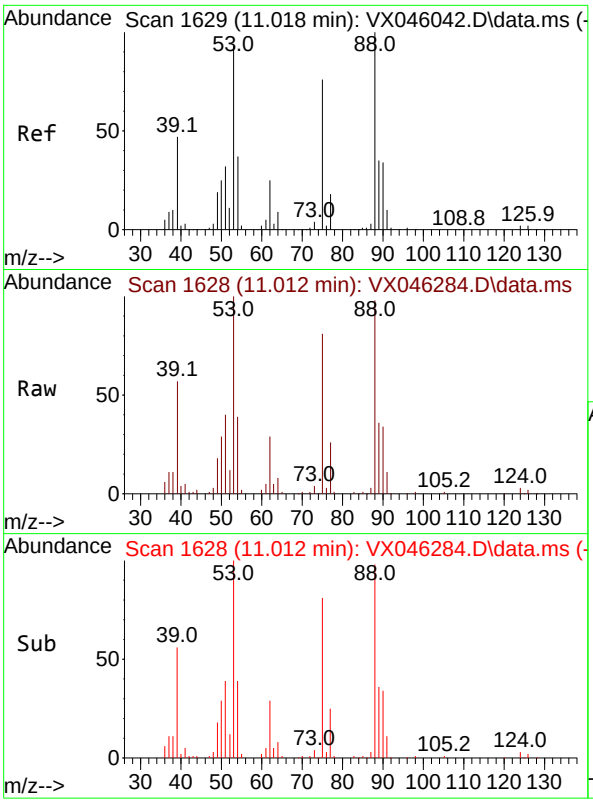


#80
1,3,5-Trimethylbenzene
Concen: 51.421 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:105 Resp: 226364

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 53.175 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 75 Resp: 2660

Ion	Ratio	Lower	Upper
75	100		
53	122.6	100.5	150.7
89	46.7	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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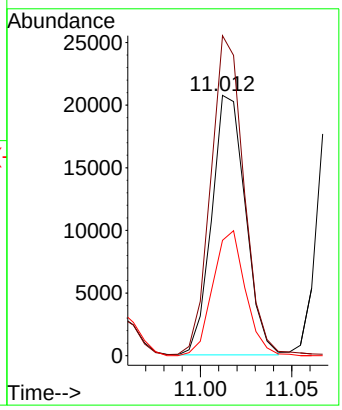
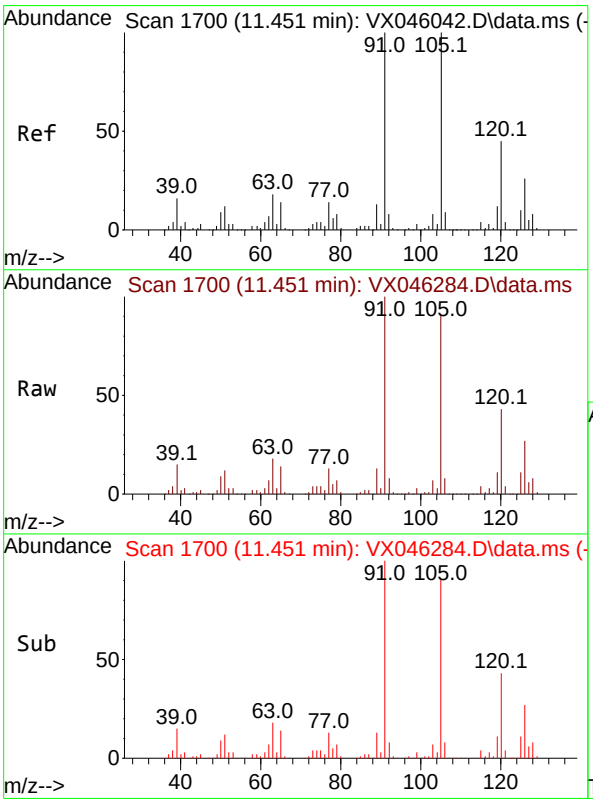
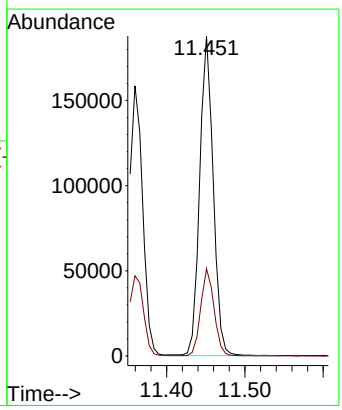


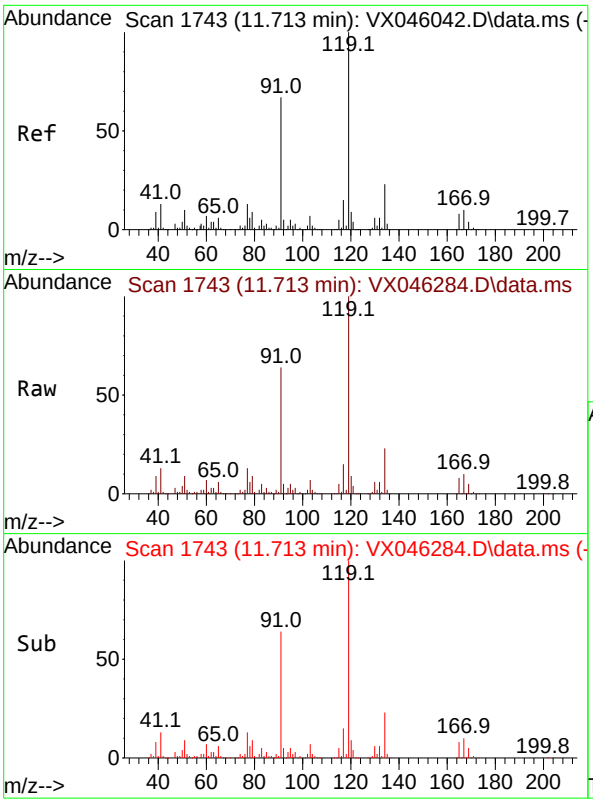


#82
4-Chlorotoluene
Concen: 51.369 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 91 Resp: 225123

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.8

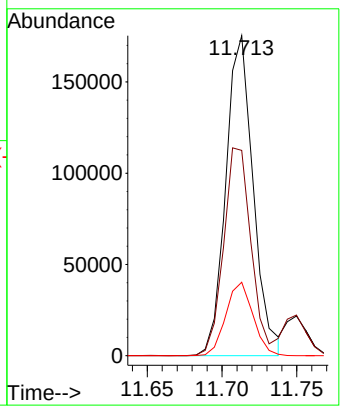




#83
tert-Butylbenzene
Concen: 50.408 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:119 Resp: 22352

Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.9	98.7
134	22.7	11.4	34.1



Instrument :
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ClientSampleId :
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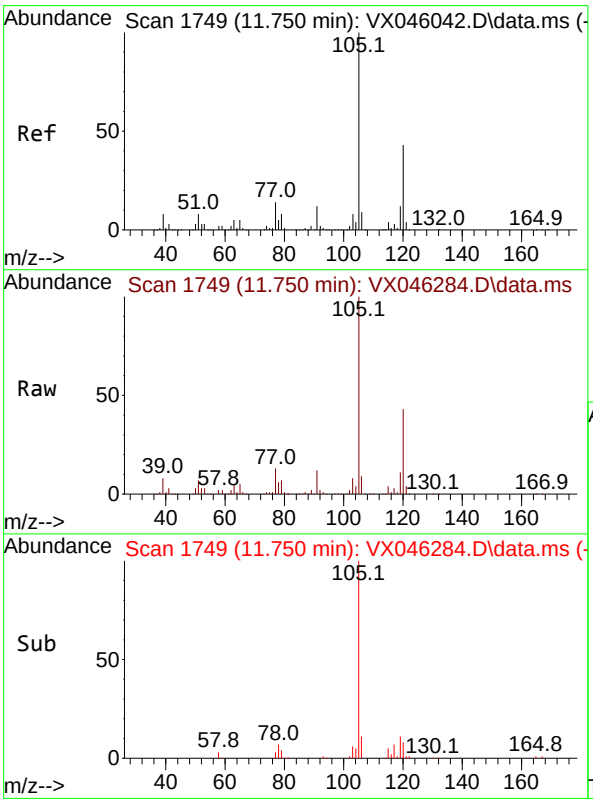
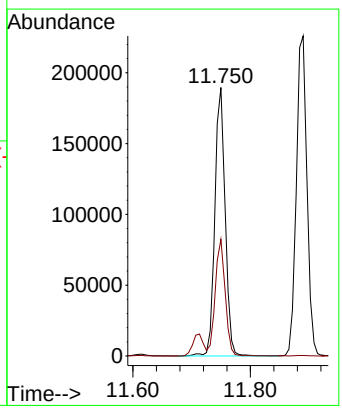
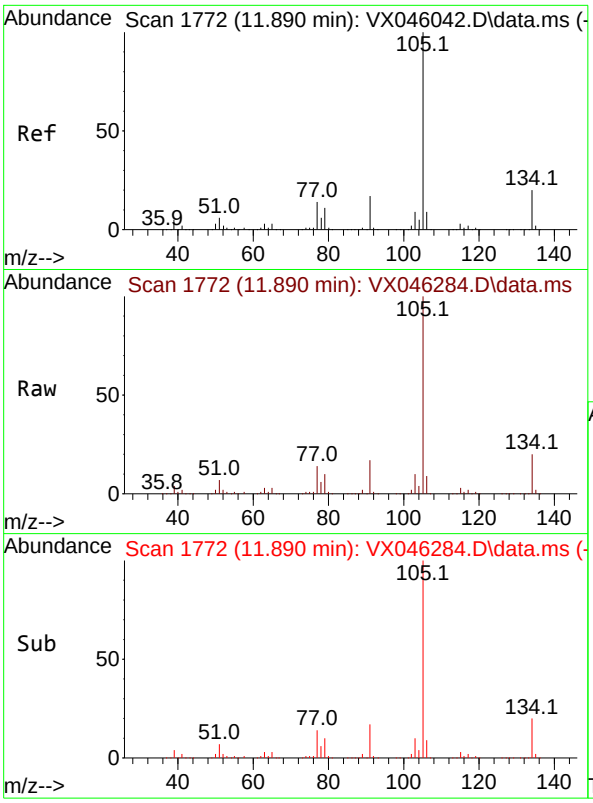


#84
1,2,4-Trimethylbenzene
Concen: 51.885 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:105 Resp: 231302

Ion	Ratio	Lower	Upper
105	100		
120	42.1	21.2	63.6





#85
sec-Butylbenzene
Concen: 52.129 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:105 Resp: 28381

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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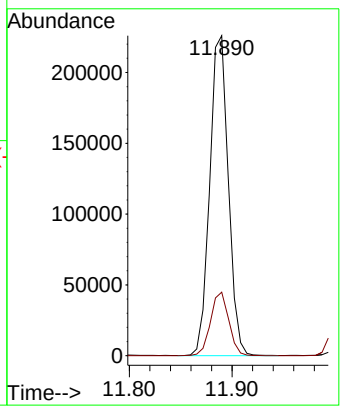
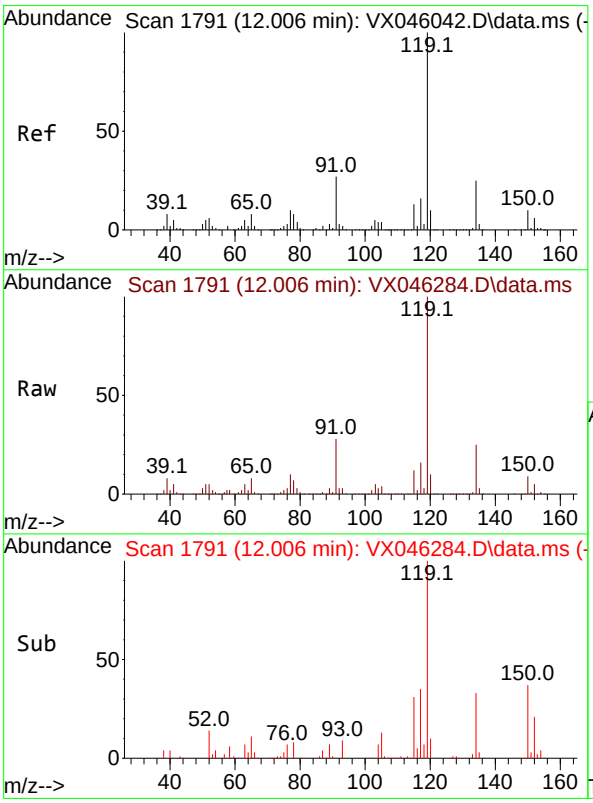
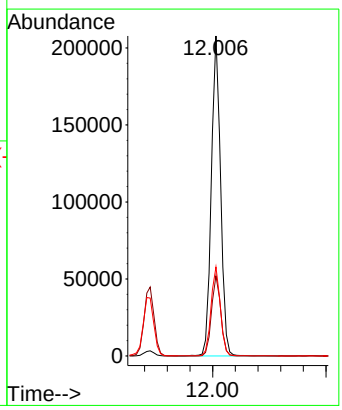


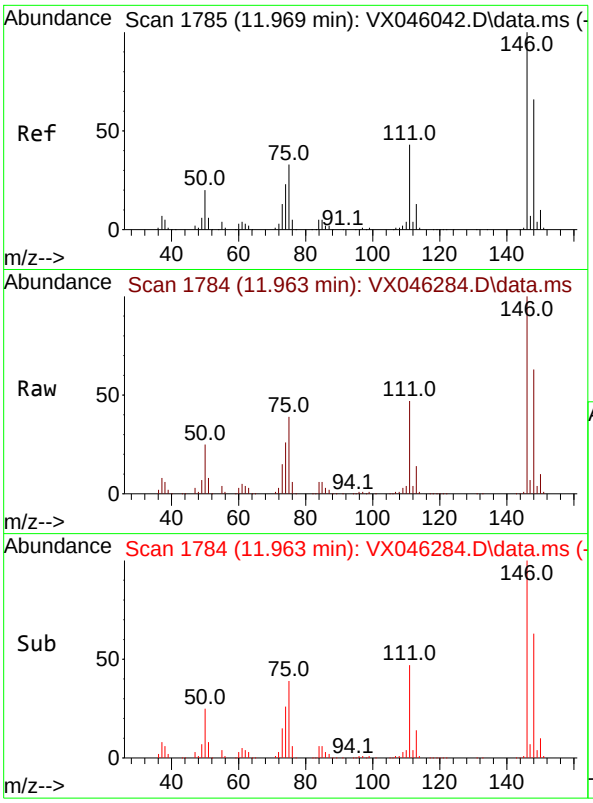


#86
p-Isopropyltoluene
Concen: 52.222 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:119 Resp: 234688

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.5	37.5
91	27.8	13.8	41.4

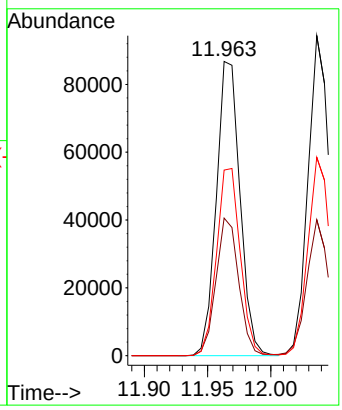




#87
1,3-Dichlorobenzene
Concen: 50.537 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:146 Resp: 11283

Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.1	66.3
148	63.8	32.1	96.5



Instrument :
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ClientSampleId :
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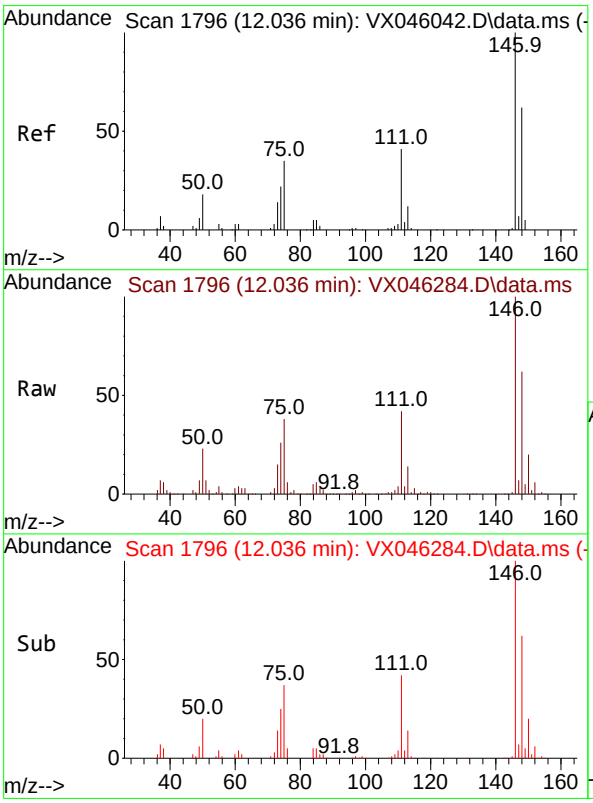
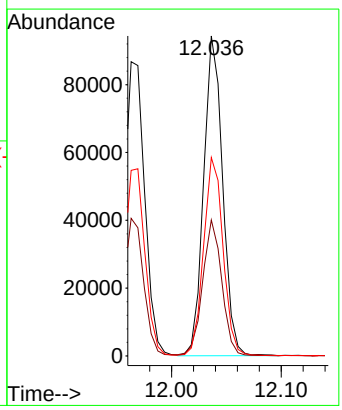
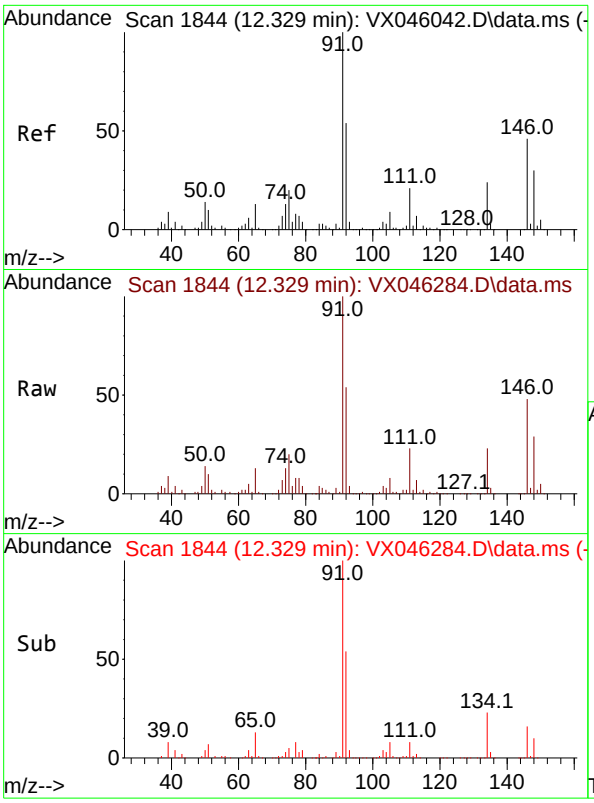


#88
1,4-Dichlorobenzene
Concen: 49.713 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:146 Resp: 113352

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	63.9
148	63.8	31.9	95.5





#89
n-Butylbenzene
Concen: 53.818 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 91 Resp: 21215

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.7
134	23.7	11.8	35.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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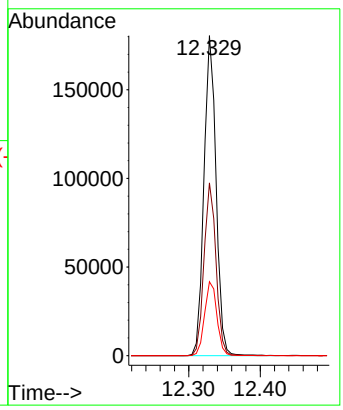
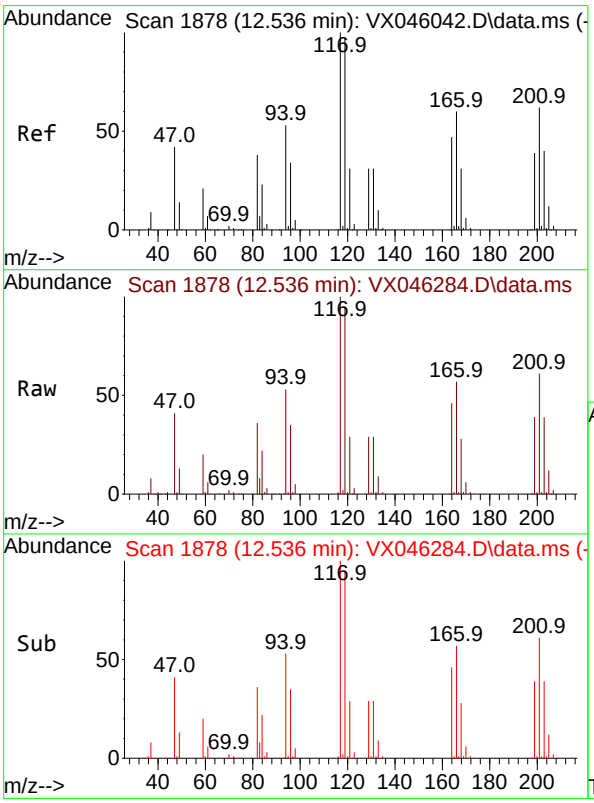
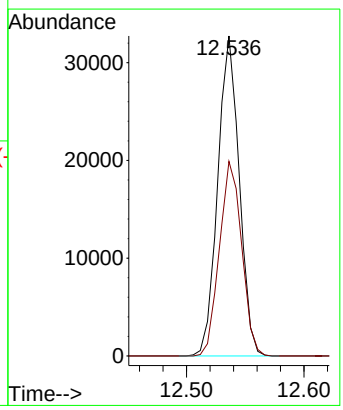


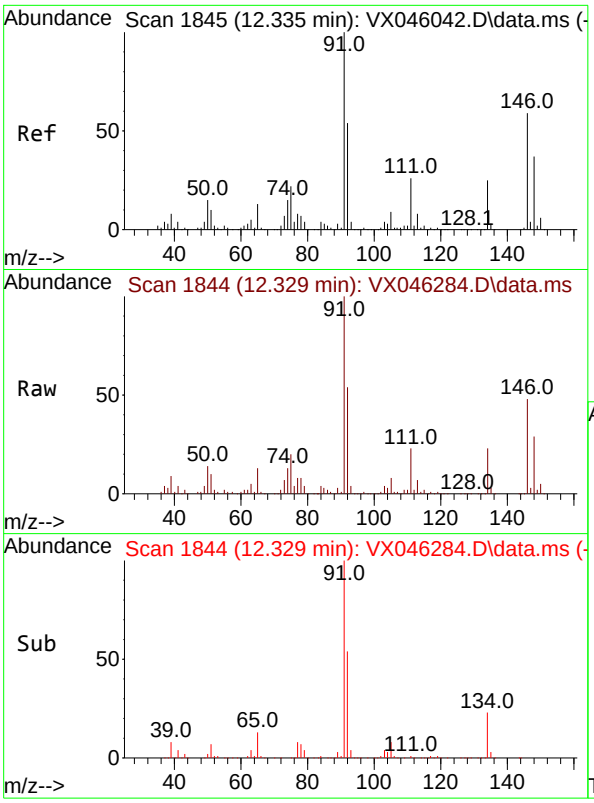


#90
Hexachloroethane
Concen: 52.527 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:117 Resp: 41588

Ion	Ratio	Lower	Upper
117	100		
201	63.0	31.6	94.7

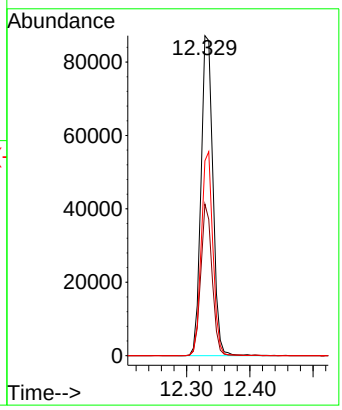




#91
1,2-Dichlorobenzene
Concen: 51.087 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:146 Resp: 11445

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.3
148	62.2	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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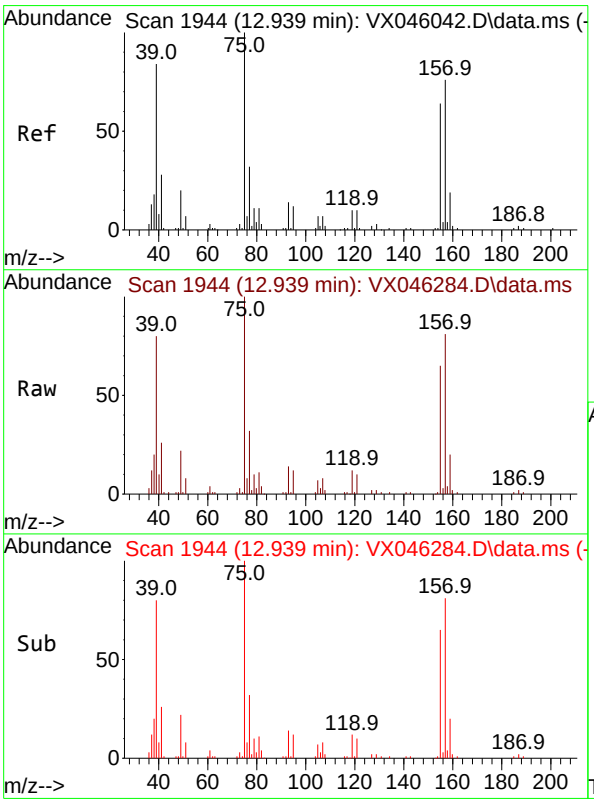
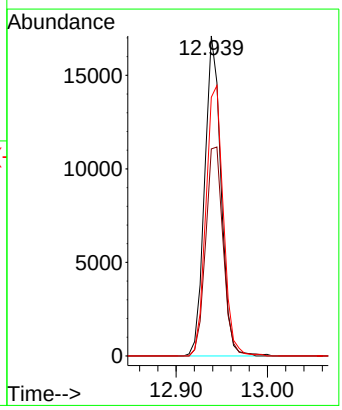
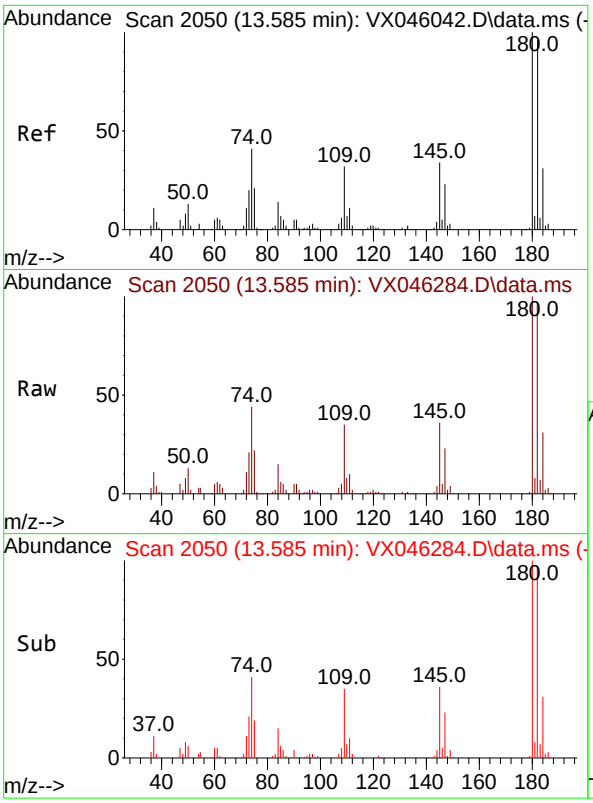


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.001 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 75 Resp: 21272

Ion	Ratio	Lower	Upper
75	100		
155	69.5	34.9	104.8
157	89.3	43.8	131.4

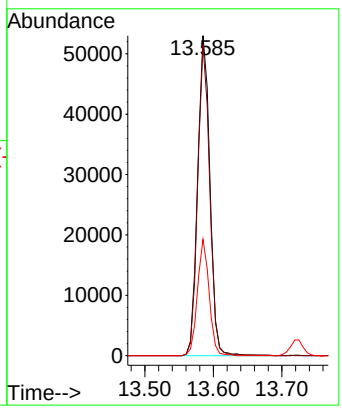




#93
1,2,4-Trichlorobenzene
Concen: 51.375 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:180 Resp: 6611

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.8
145	34.6	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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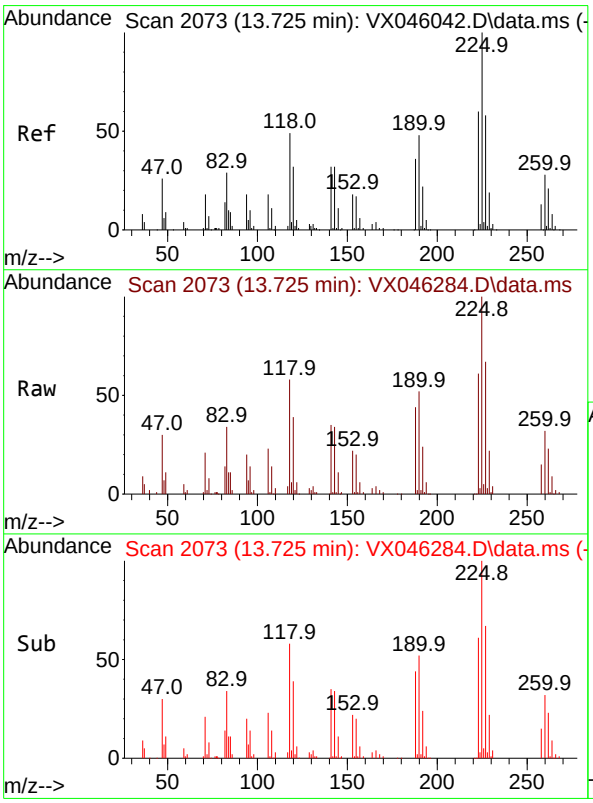
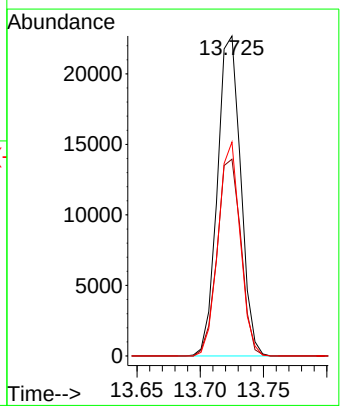
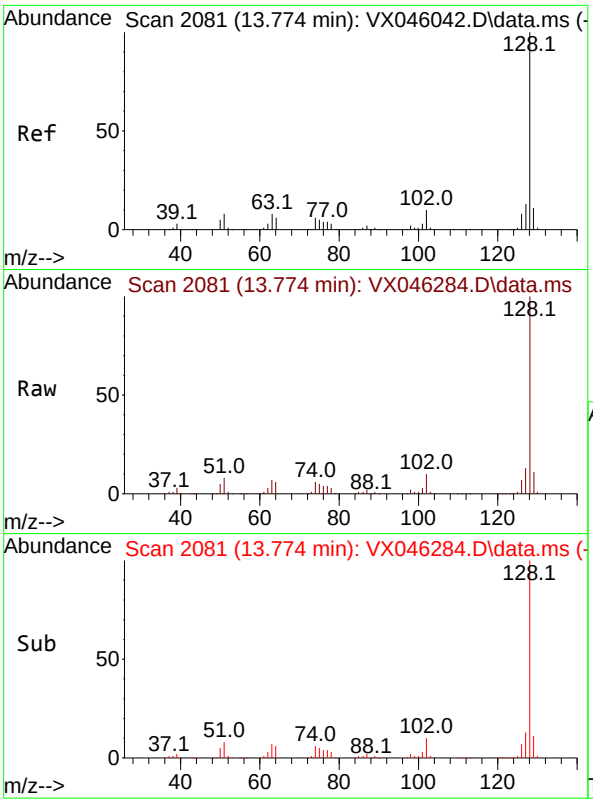


#94
Hexachlorobutadiene
Concen: 51.510 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:225 Resp: 28949

Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.8	92.4
227	63.5	30.9	92.7

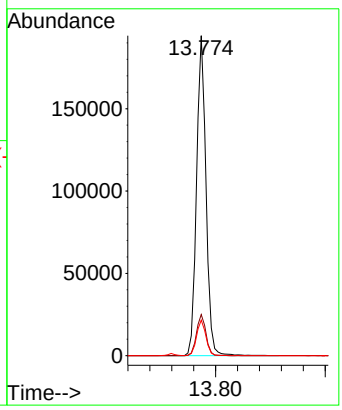




#95
Naphthalene
Concen: 49.502 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:128 Resp: 23363

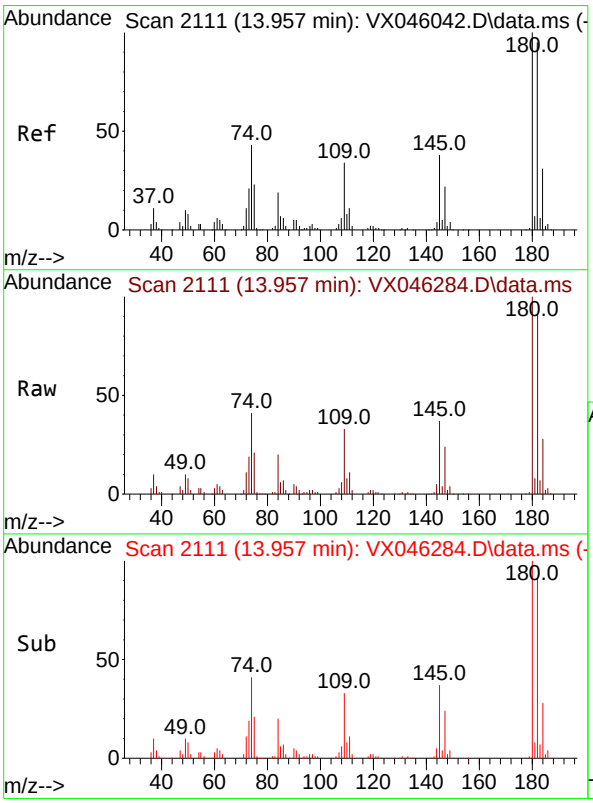
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

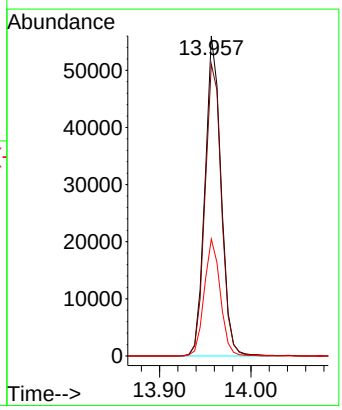
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.272 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:180 Resp: 68077

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.8	143.3
145	36.4	18.1	54.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	0.765	0.775	-1.3	88	0.00
3	P	Chloromethane	0.742	0.718	3.2	91	0.00
4	C	Vinyl Chloride	0.691	0.658	4.8#	91	0.00
5	T	Bromomethane	0.320	0.295	7.8	89	0.00
6	T	Chloroethane	0.369	0.376	-1.9	97	0.00
7	T	Trichlorofluoromethane	1.021	1.037	-1.6	95	0.00
8	T	Diethyl Ether	0.347	0.339	2.3	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.636	-0.6	97	0.00
10	T	Methyl Iodide	0.747	0.700	6.3	85	0.00
11	T	Tert butyl alcohol	0.131	0.127	3.1	97	0.00
12	CM	1,1-Dichloroethene	0.593	0.565	4.7#	92	0.00
13	T	Acrolein	0.149	0.191	-28.2#	123	0.00
14	T	Allyl chloride	1.133	1.169	-3.2	97	0.00
15	T	Acrylonitrile	0.374	0.382	-2.1	96	0.00
16	T	Acetone	0.374	0.385	-2.9	104	0.00
17	T	Carbon Disulfide	1.406	1.268	9.8	85	0.00
18	T	Methyl Acetate	0.867	1.025	-18.2	118	0.00
19	T	Methyl tert-butyl Ether	2.079	2.141	-3.0	97	0.00
20	T	Methylene Chloride	0.716	0.669	6.6	96	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.569	4.5	91	0.00
22	T	Diisopropyl ether	2.189	2.268	-3.6	97	0.00
23	T	Vinyl Acetate	1.925	1.957	-1.7	94	0.00
24	P	1,1-Dichloroethane	1.219	1.239	-1.6	96	0.00
25	T	2-Butanone	0.543	0.551	-1.5	97	0.00
26	T	2,2-Dichloropropane	0.954	1.003	-5.1	103	0.00
27	T	cis-1,2-Dichloroethene	0.718	0.707	1.5	94	0.00
28	T	Bromochloromethane	0.587	0.554	5.6	94	-0.01
29	T	Tetrahydrofuran	0.340	0.341	-0.3	95	0.00
30	C	Chloroform	1.271	1.290	-1.5#	97	0.00
31	T	Cyclohexane	1.111	1.034	6.9	90	0.00
32	T	1,1,1-Trichloroethane	1.101	1.116	-1.4	97	0.00
33	S	1,2-Dichloroethane-d4	0.932	0.913	2.0	98	-0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	96	0.00
35	S	Dibromofluoromethane	0.360	0.371	-3.1	101	0.00
36	T	1,1-Dichloropropene	0.484	0.472	2.5	92	0.00
37	T	Ethyl Acetate	0.598	0.600	-0.3	95	-0.01
38	T	Carbon Tetrachloride	0.544	0.553	-1.7	96	0.00
39	T	Methylcyclohexane	0.623	0.594	4.7	89	0.00
40	TM	Benzene	1.417	1.412	0.4	92	0.00
41	T	Methacrylonitrile	0.313	0.347	-10.9	97	0.00
42	TM	1,2-Dichloroethane	0.612	0.615	-0.5	94	0.00
43	T	Isopropyl Acetate	0.912	0.966	-5.9	97	0.00
44	TM	Trichloroethene	0.341	0.344	-0.9	93	0.00
45	C	1,2-Dichloropropane	0.352	0.366	-4.0#	95	0.00
46	T	Dibromomethane	0.278	0.281	-1.1	94	0.00
47	T	Bromodichloromethane	0.547	0.585	-6.9	98	0.00
48	T	Methyl methacrylate	0.466	0.505	-8.4	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	92	0.00
50	S	Toluene-d8	1.246	1.223	1.8	96	0.00
51	T	4-Methyl-2-Pentanone	0.605	0.637	-5.3	97	0.00
52	CM	Toluene	0.869	0.857	1.4#	92	0.00
53	T	t-1,3-Dichloropropene	0.487	0.530	-8.8	97	0.00
54	T	cis-1,3-Dichloropropene	0.538	0.582	-8.2	97	0.00
55	T	1,1,2-Trichloroethane	0.343	0.354	-3.2	96	0.00
56	T	Ethyl methacrylate	0.546	0.586	-7.3	95	0.00
57	T	1,3-Dichloropropane	0.615	0.612	0.5	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.278	0.305	-9.7	96	0.00
59	T	2-Hexanone	0.448	0.473	-5.6	96	0.00
60	T	Dibromochloromethane	0.376	0.414	-10.1	100	0.00
61	T	1,2-Dibromoethane	0.356	0.359	-0.8	93	0.00
62	S	4-Bromofluorobenzene	0.478	0.481	-0.6	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	T	Tetrachloroethene	0.354	0.370	-4.5	95	0.00
65	PM	Chlorobenzene	1.094	1.082	1.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	0.374	0.391	-4.5	96	0.00
67	C	Ethyl Benzene	1.929	1.968	-2.0#	93	0.00
68	T	m/p-Xylenes	0.706	0.721	-2.1	94	0.00
69	T	o-Xylene	0.688	0.712	-3.5	94	0.00
70	T	Styrene	1.127	1.215	-7.8	96	0.00
71	P	Bromoform	0.281	0.307	-9.3	97	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73	T	Isopropylbenzene	3.893	4.007	-2.9	97	0.00
74	T	N-amyl acetate	1.924	1.991	-3.5	96	0.00
75	P	1,1,2,2-Tetrachloroethane	1.364	1.299	4.8	97	0.00
76	T	1,2,3-Trichloropropane	1.204	1.190	1.2	100	0.00
77	T	Bromobenzene	0.904	0.900	0.4	97	0.00
78	T	n-propylbenzene	4.526	4.671	-3.2	96	0.00
79	T	2-Chlorotoluene	2.919	2.866	1.8	95	0.00
80	T	1,3,5-Trimethylbenzene	3.252	3.344	-2.8	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.370	0.393	-6.2	102	0.00
82	T	4-Chlorotoluene	3.238	3.326	-2.7	97	0.00
83	T	tert-Butylbenzene	3.276	3.302	-0.8	96	0.00
84	T	1,2,4-Trimethylbenzene	3.293	3.417	-3.8	97	0.00
85	T	sec-Butylbenzene	4.022	4.193	-4.3	98	0.00
86	T	p-Isopropyltoluene	3.320	3.467	-4.4	97	0.00
87	T	1,3-Dichlorobenzene	1.649	1.667	-1.1	98	0.00
88	T	1,4-Dichlorobenzene	1.684	1.675	0.5	98	0.00
89	T	n-Butylbenzene	2.912	3.134	-7.6	99	0.00
90	T	Hexachloroethane	0.585	0.614	-5.0	98	0.00
91	T	1,2-Dichlorobenzene	1.655	1.691	-2.2	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.302	0.314	-4.0	97	0.00
93	T	1,2,4-Trichlorobenzene	0.951	0.977	-2.7	99	0.00
94	T	Hexachlorobutadiene	0.415	0.428	-3.1	100	0.00
95	T	Naphthalene	3.487	3.452	1.0	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	0.981	1.006	-2.5	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	50.666	-1.3	88	0.00
3	P	Chloromethane	50.000	48.364	3.3	91	0.00
4	C	Vinyl Chloride	50.000	47.612	4.8#	91	0.00
5	T	Bromomethane	50.000	46.032	7.9	89	0.00
6	T	Chloroethane	50.000	50.964	-1.9	97	0.00
7	T	Trichlorofluoromethane	50.000	50.803	-1.6	95	0.00
8	T	Diethyl Ether	50.000	48.764	2.5	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.314	-0.6	97	0.00
10	T	Methyl Iodide	50.000	46.821	6.4	85	0.00
11	T	Tert butyl alcohol	250.000	242.803	2.9	97	0.00
12	CM	1,1-Dichloroethene	50.000	47.678	4.6#	92	0.00
13	T	Acrolein	250.000	321.031	-28.4#	123	0.00
14	T	Allyl chloride	50.000	51.600	-3.2	97	0.00
15	T	Acrylonitrile	250.000	255.100	-2.0	96	0.00
16	T	Acetone	250.000	257.477	-3.0	104	0.00
17	T	Carbon Disulfide	50.000	45.096	9.8	85	0.00
18	T	Methyl Acetate	50.000	59.105	-18.2	118	0.00
19	T	Methyl tert-butyl Ether	50.000	51.499	-3.0	97	0.00
20	T	Methylene Chloride	50.000	46.691	6.6	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.714	4.6	91	0.00
22	T	Diisopropyl ether	50.000	51.803	-3.6	97	0.00
23	T	Vinyl Acetate	250.000	254.084	-1.6	94	0.00
24	P	1,1-Dichloroethane	50.000	50.800	-1.6	96	0.00
25	T	2-Butanone	250.000	254.074	-1.6	97	0.00
26	T	2,2-Dichloropropane	50.000	52.543	-5.1	103	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.246	1.5	94	0.00
28	T	Bromochloromethane	50.000	47.215	5.6	94	-0.01
29	T	Tetrahydrofuran	250.000	250.853	-0.3	95	0.00
30	C	Chloroform	50.000	50.762	-1.5#	97	0.00
31	T	Cyclohexane	50.000	46.552	6.9	90	0.00
32	T	1,1,1-Trichloroethane	50.000	50.660	-1.3	97	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.949	2.1	98	-0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	96	0.00
35	S	Dibromofluoromethane	50.000	51.518	-3.0	101	0.00
36	T	1,1-Dichloropropene	50.000	48.791	2.4	92	0.00
37	T	Ethyl Acetate	50.000	50.197	-0.4	95	-0.01
38	T	Carbon Tetrachloride	50.000	50.907	-1.8	96	0.00
39	T	Methylcyclohexane	50.000	47.691	4.6	89	0.00
40	TM	Benzene	50.000	49.833	0.3	92	0.00
41	T	Methacrylonitrile	50.000	55.480	-11.0	97	0.00
42	TM	1,2-Dichloroethane	50.000	50.298	-0.6	94	0.00
43	T	Isopropyl Acetate	50.000	52.987	-6.0	97	0.00
44	TM	Trichloroethene	50.000	50.452	-0.9	93	0.00
45	C	1,2-Dichloropropane	50.000	51.990	-4.0#	95	0.00
46	T	Dibromomethane	50.000	50.531	-1.1	94	0.00
47	T	Bromodichloromethane	50.000	53.478	-7.0	98	0.00
48	T	Methyl methacrylate	50.000	54.212	-8.4	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	977.870	2.2	92	0.00
50	S	Toluene-d8	50.000	49.081	1.8	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	262.926	-5.2	97	0.00
52	CM	Toluene	50.000	49.311	1.4#	92	0.00
53	T	t-1,3-Dichloropropene	50.000	54.425	-8.8	97	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.136	-8.3	97	0.00
55	T	1,1,2-Trichloroethane	50.000	51.730	-3.5	96	0.00
56	T	Ethyl methacrylate	50.000	53.634	-7.3	95	0.00
57	T	1,3-Dichloropropane	50.000	49.714	0.6	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	273.669	-9.5	96	0.00
59	T	2-Hexanone	250.000	263.910	-5.6	96	0.00
60	T	Dibromochloromethane	50.000	54.971	-9.9	100	0.00
61	T	1,2-Dibromoethane	50.000	50.413	-0.8	93	0.00
62	S	4-Bromofluorobenzene	50.000	50.363	-0.7	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64	T	Tetrachloroethene	50.000	52.359	-4.7	95	0.00
65	PM	Chlorobenzene	50.000	49.440	1.1	95	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.376	-4.8	96	0.00
67	C	Ethyl Benzene	50.000	51.011	-2.0#	93	0.00
68	T	m/p-Xylenes	100.000	102.233	-2.2	94	0.00
69	T	o-Xylene	50.000	51.746	-3.5	94	0.00
70	T	Styrene	50.000	53.925	-7.8	96	0.00
71	P	Bromoform	50.000	54.740	-9.5	97	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73	T	Isopropylbenzene	50.000	51.463	-2.9	97	0.00
74	T	N-amyl acetate	50.000	51.743	-3.5	96	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.625	4.8	97	0.00
76	T	1,2,3-Trichloropropane	50.000	49.455	1.1	100	0.00
77	T	Bromobenzene	50.000	49.799	0.4	97	0.00
78	T	n-propylbenzene	50.000	51.595	-3.2	96	0.00
79	T	2-Chlorotoluene	50.000	49.086	1.8	95	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.421	-2.8	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	53.175	-6.3	102	0.00
82	T	4-Chlorotoluene	50.000	51.369	-2.7	97	0.00
83	T	tert-Butylbenzene	50.000	50.408	-0.8	96	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.885	-3.8	97	0.00
85	T	sec-Butylbenzene	50.000	52.129	-4.3	98	0.00
86	T	p-Isopropyltoluene	50.000	52.222	-4.4	97	0.00
87	T	1,3-Dichlorobenzene	50.000	50.537	-1.1	98	0.00
88	T	1,4-Dichlorobenzene	50.000	49.713	0.6	98	0.00
89	T	n-Butylbenzene	50.000	53.818	-7.6	99	0.00
90	T	Hexachloroethane	50.000	52.527	-5.1	98	0.00
91	T	1,2-Dichlorobenzene	50.000	51.087	-2.2	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.001	-4.0	97	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.375	-2.8	99	0.00
94	T	Hexachlorobutadiene	50.000	51.510	-3.0	100	0.00
95	T	Naphthalene	50.000	49.502	1.0	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	51.272	-2.5	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2082 SAS No.: Q2082 SDG No.: Q2082

Instrument ID: MSVOA_X Calibration Date/Time: 05/21/2025 19:44

Lab File ID: VX046309.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.742	0.769	0.1	3.64	50
Vinyl Chloride	0.691	0.691		0	50
Bromomethane	0.320	0.326		1.88	50
Chloroethane	0.369	0.402		8.94	50
Trichlorofluoromethane	1.021	1.087		6.46	50
1,1,2-Trichlorotrifluoroethane	0.632	0.646		2.21	50
1,1-Dichloroethene	0.593	0.609		2.7	50
Acetone	0.374	0.392		4.81	50
Carbon Disulfide	1.406	1.379		-1.92	50
Methyl tert-butyl Ether	2.079	2.290		10.15	50
Methylene Chloride	0.716	0.707		-1.26	50
trans-1,2-Dichloroethene	0.596	0.609		2.18	50
1,1-Dichloroethane	1.219	1.336	0.1	9.6	50
2-Butanone	0.543	0.605		11.42	50
Carbon Tetrachloride	0.544	0.571		4.96	50
cis-1,2-Dichloroethene	0.718	0.772		7.52	50
Chloroform	1.271	1.395		9.76	50
1,1,1-Trichloroethane	1.101	1.195		8.54	50
Methylcyclohexane	0.623	0.636		2.09	50
Benzene	1.417	1.500		5.86	50
1,2-Dichloroethane	0.612	0.652		6.54	50
Trichloroethene	0.341	0.361		5.86	50
1,2-Dichloropropane	0.352	0.391		11.08	50
Bromodichloromethane	0.547	0.608		11.15	50
4-Methyl-2-Pentanone	0.605	0.688		13.72	50
Toluene	0.869	0.921		5.98	50
t-1,3-Dichloropropene	0.487	0.540		10.88	50
cis-1,3-Dichloropropene	0.538	0.595		10.6	50
1,1,2-Trichloroethane	0.343	0.376		9.62	50
2-Hexanone	0.448	0.510		13.84	50
Dibromochloromethane	0.376	0.429		14.1	50
Tetrachloroethene	0.354	0.365		3.11	50
Chlorobenzene	1.094	1.136	0.3	3.84	50
Ethyl Benzene	1.929	2.098		8.76	50
m/p-Xylenes	0.706	0.767		8.64	50
o-Xylene	0.688	0.753		9.45	50
Styrene	1.127	1.288		14.29	50
Bromoform	0.281	0.308	0.1	9.61	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: TETR06

Lab Code: CHEM Case No.: Q2082 SAS No.: Q2082 SDG No.: Q2082

Instrument ID: MSVOA_X Calibration Date/Time: 05/21/2025 19:44

Lab File ID: VX046309.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Isopropylbenzene	3.893	4.262		9.48	50
1,1,2,2-Tetrachloroethane	1.364	1.388	0.3	1.76	50
1,3-Dichlorobenzene	1.649	1.744		5.76	50
1,4-Dichlorobenzene	1.684	1.757		4.34	50
1,2-Dichlorobenzene	1.655	1.755		6.04	50
1,2-Dichloroethane-d4	0.932	0.965		3.54	50
Dibromofluoromethane	0.360	0.378		5	50
Toluene-d8	1.246	1.283		2.97	50
4-Bromofluorobenzene	0.478	0.523		9.41	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\VX052125\
Data File : VX046309.D
Acq On : 21 May 2025 19:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 22 01:56:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	80304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	142868	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77473	51.748	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.500%			
35) Dibromofluoromethane	5.379	113	53992	52.481	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.960%			
50) Toluene-d8	8.647	98	183231	51.458	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.920%			
62) 4-Bromofluorobenzene	11.079	95	74777	54.746	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	62887	51.165	ug/l	99
3) Chloromethane	1.301	50	61721	51.783	ug/l	99
4) Vinyl Chloride	1.374	62	55519	50.048	ug/l	98
5) Bromomethane	1.593	94	26187	50.896	ug/l	98
6) Chloroethane	1.666	64	32246	54.451	ug/l	94
7) Trichlorofluoromethane	1.874	101	87323	53.263	ug/l	99
8) Diethyl Ether	2.136	74	28768	51.546	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	51854	51.109	ug/l	98
10) Methyl Iodide	2.447	142	61967	51.617	ug/l	100
11) Tert butyl alcohol	2.977	59	57358	272.937	ug/l	99
12) 1,1-Dichloroethene	2.313	96	48892	51.346	ug/l	99
13) Acrolein	2.233	56	72757	304.004	ug/l	100
14) Allyl chloride	2.660	41	100048	54.976	ug/l	97
15) Acrylonitrile	3.062	53	164409	273.599	ug/l	98
16) Acetone	2.386	43	157398	262.209	ug/l	100
17) Carbon Disulfide	2.502	76	110776	49.071	ug/l	99
18) Methyl Acetate	2.703	43	86630	62.191	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	183878	55.080	ug/l	100
20) Methylene Chloride	2.782	84	56742	49.327	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	48903	51.069	ug/l	98
22) Diisopropyl ether	3.764	45	196237	55.824	ug/l	91
23) Vinyl Acetate	3.721	43	856870	277.142	ug/l	100
24) 1,1-Dichloroethane	3.605	63	107309	54.807	ug/l	98
25) 2-Butanone	4.556	43	242742	278.542	ug/l	100
26) 2,2-Dichloropropane	4.471	77	72690	47.433	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	62007	53.789	ug/l	99
28) Bromochloromethane	4.891	49	47884	50.808	ug/l	100
29) Tetrahydrofuran	5.001	42	152597	279.438	ug/l	99
30) Chloroform	5.086	83	112040	54.901	ug/l	96
31) Cyclohexane	5.464	56	95105	53.304	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	95926	54.225	ug/l	100
36) 1,1-Dichloropropene	5.684	75	71831	51.965	ug/l	99
37) Ethyl Acetate	4.715	43	91900	53.811	ug/l	99
38) Carbon Tetrachloride	5.672	117	81617	52.550	ug/l	98
39) Methylcyclohexane	7.373	83	90909	51.084	ug/l	96
40) Benzene	6.031	78	214309	52.931	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046309.D
Acq On : 21 May 2025 19:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 22 01:56:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	51551	57.703	ug/l		98
42) 1,2-Dichloroethane	6.080	62	93208	53.339	ug/l		100
43) Isopropyl Acetate	6.342	43	146696	56.305	ug/l		99
44) Trichloroethene	7.123	130	51584	52.934	ug/l		96
45) 1,2-Dichloropropane	7.428	63	55898	55.522	ug/l		98
46) Dibromomethane	7.580	93	41844	52.697	ug/l		100
47) Bromodichloromethane	7.818	83	86915	55.574	ug/l		100
48) Methyl methacrylate	7.690	41	76728	57.664	ug/l		98
49) 1,4-Dioxane	7.659	88	26511	1049.342	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	491581	284.246	ug/l		99
52) Toluene	8.714	92	131628	53.018	ug/l		96
53) t-1,3-Dichloropropene	8.976	75	77152	55.500	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	84964	55.300	ug/l		94
55) 1,1,2-Trichloroethane	9.147	97	53717	54.873	ug/l		98
56) Ethyl methacrylate	9.116	69	93196	59.733	ug/l		98
57) 1,3-Dichloropropane	9.305	76	94746	53.891	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	209966	263.968	ug/l		100
59) 2-Hexanone	9.427	43	364412	284.811	ug/l		100
60) Dibromochloromethane	9.519	129	61323	57.039	ug/l		98
61) 1,2-Dibromoethane	9.604	107	55381	54.430	ug/l		97
64) Tetrachloroethene	9.269	164	46379	51.541	ug/l		96
65) Chlorobenzene	10.073	112	144470	51.899	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	50742	53.383	ug/l		99
67) Ethyl Benzene	10.189	91	266848	54.383	ug/l		99
68) m/p-Xylenes	10.299	106	195095	108.710	ug/l		99
69) o-Xylene	10.640	106	95728	54.714	ug/l		96
70) Styrene	10.653	104	163839	57.165	ug/l		99
71) Bromoform	10.799	173	39132	54.834	ug/l	#	99
73) Isopropylbenzene	10.957	105	259562	54.740	ug/l		99
74) N-amyl acetate	10.842	43	128177	54.704	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	84522	50.866	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	75988m	51.832	ug/l		
77) Bromobenzene	11.195	156	57485	52.219	ug/l		98
78) n-propylbenzene	11.299	91	302304	54.831	ug/l		100
79) 2-Chlorotoluene	11.360	91	189286	53.228	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	218239	55.092	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	22564	50.109	ug/l		98
82) 4-Chlorotoluene	11.451	91	216234	54.831	ug/l		99
83) tert-Butylbenzene	11.713	119	215479	54.002	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	220248	54.903	ug/l		99
85) sec-Butylbenzene	11.890	105	269271	54.961	ug/l		100
86) p-Isopropyltoluene	12.006	119	220520	54.530	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	106200	52.860	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	107019	52.158	ug/l		99
89) n-Butylbenzene	12.329	91	194699	54.886	ug/l		100
90) Hexachloroethane	12.536	117	38406	53.906	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	106918	53.032	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19697	53.508	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	60736	52.451	ug/l		99
94) Hexachlorobutadiene	13.725	225	25728	50.873	ug/l		97
95) Naphthalene	13.774	128	227452	53.556	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	62257	52.106	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046309.D
Acq On : 21 May 2025 19:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 22 01:56:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

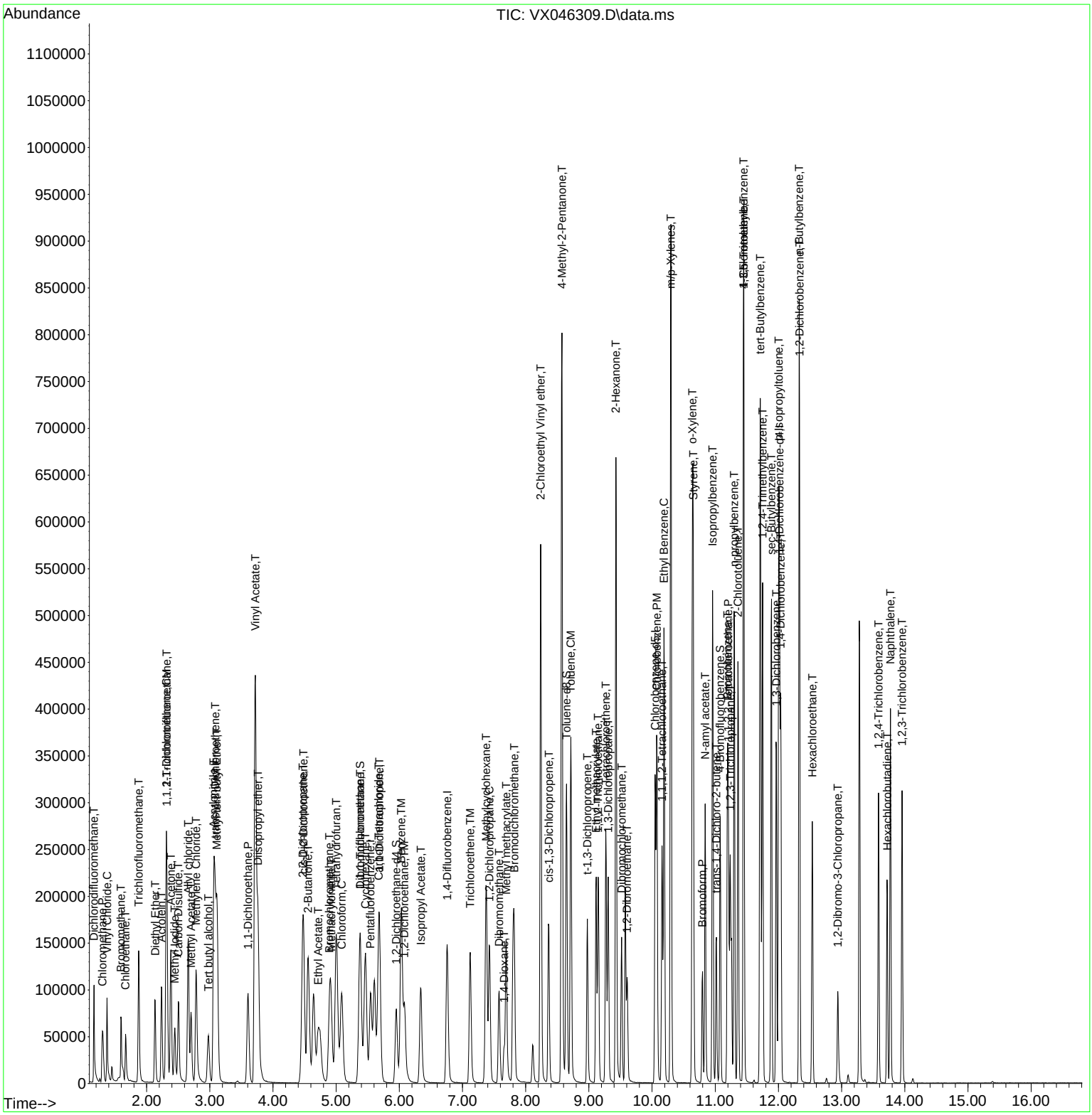
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046309.D
Acq On : 21 May 2025 19:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

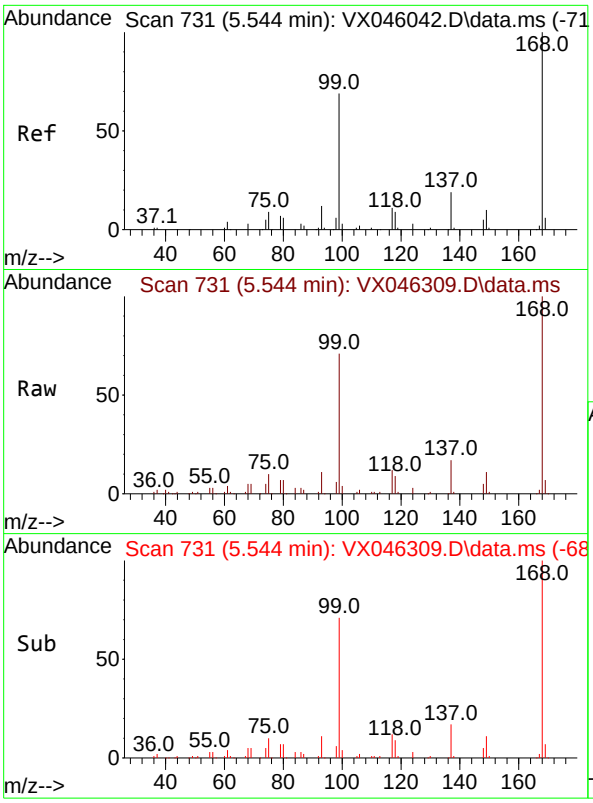
Quant Time: May 22 01:56:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

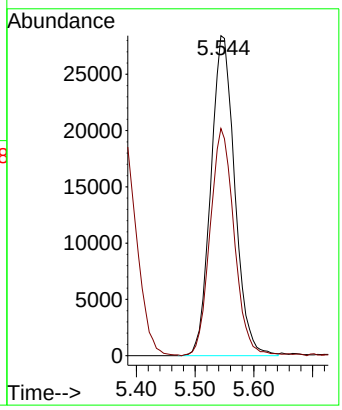




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:168 Resp: 8030

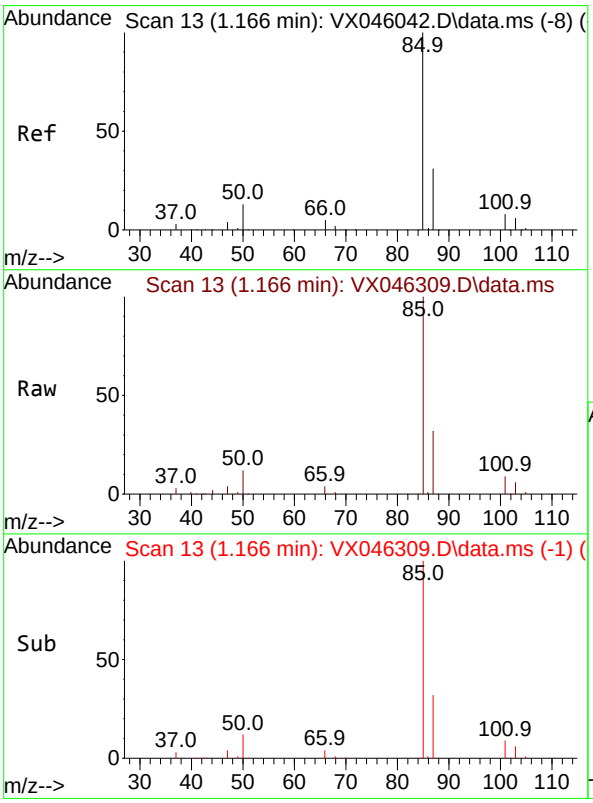
Ion	Ratio	Lower	Upper
168	100		
99	70.8	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

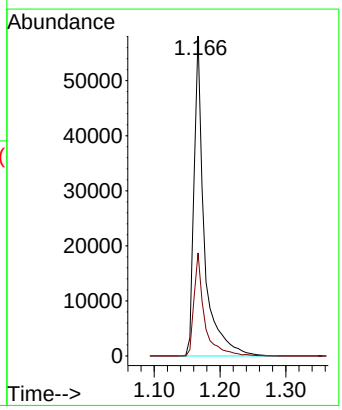
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

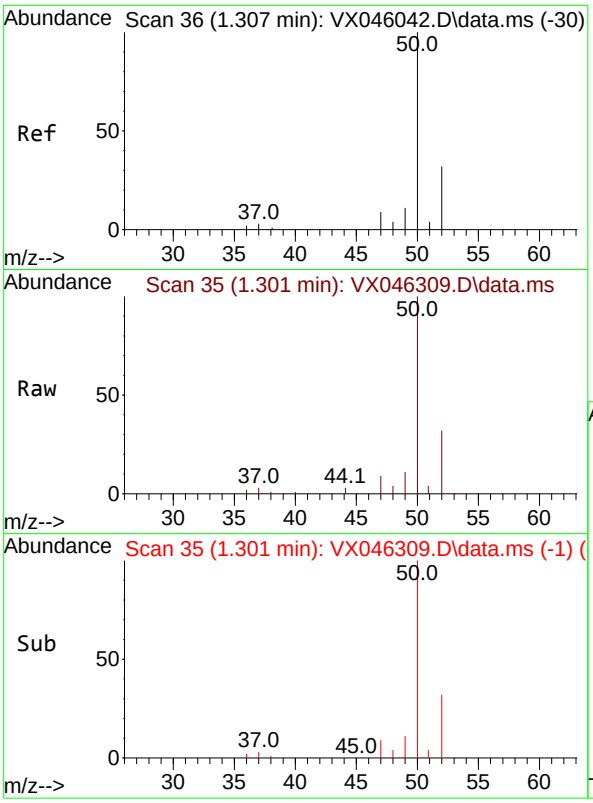


#2
Dichlorodifluoromethane
Concen: 51.165 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 85 Resp: 62887

Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.7	47.1

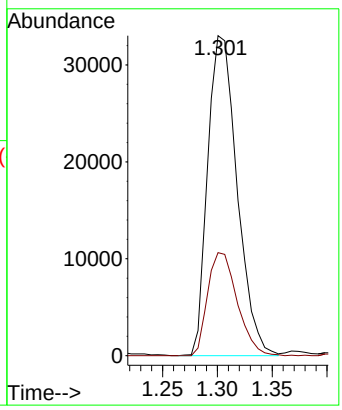




#3
Chloromethane
Concen: 51.783 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 50 Resp: 6172

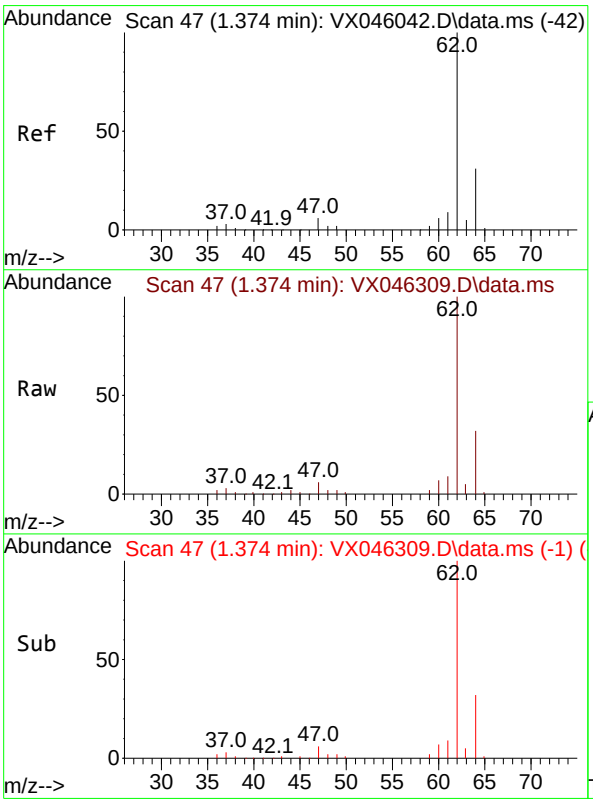
Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

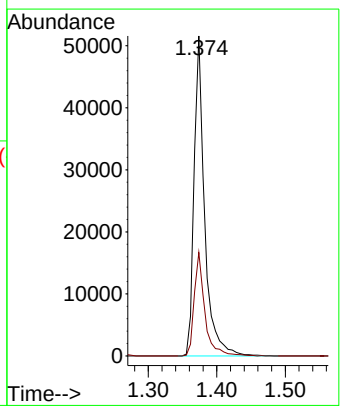
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

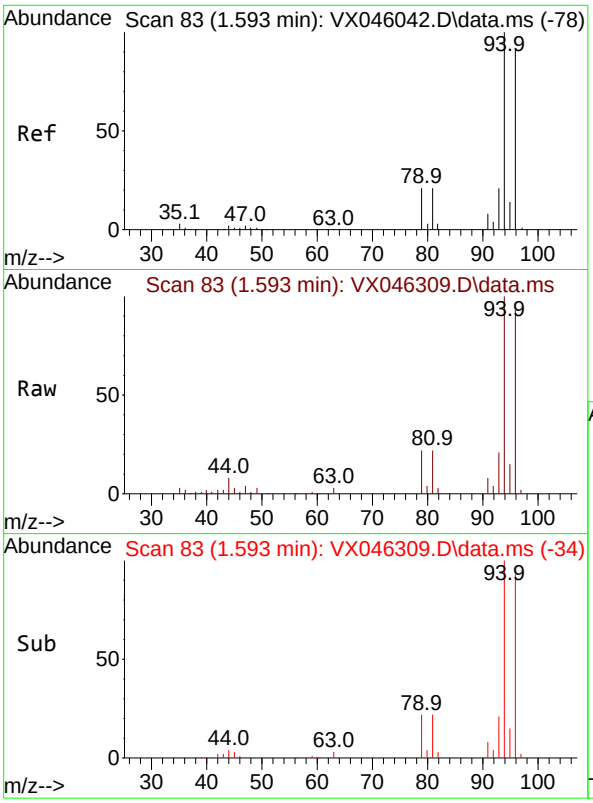


#4
Vinyl Chloride
Concen: 50.048 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 62 Resp: 55519

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.2	37.8

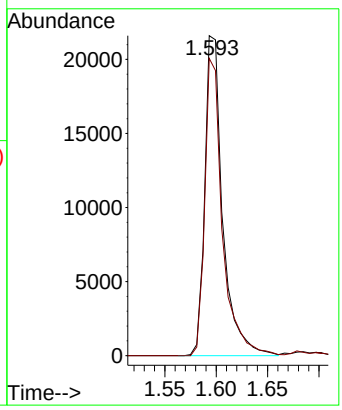




#5
Bromomethane
Concen: 50.896 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 94 Resp: 2618

Ion	Ratio	Lower	Upper
94	100		
96	92.9	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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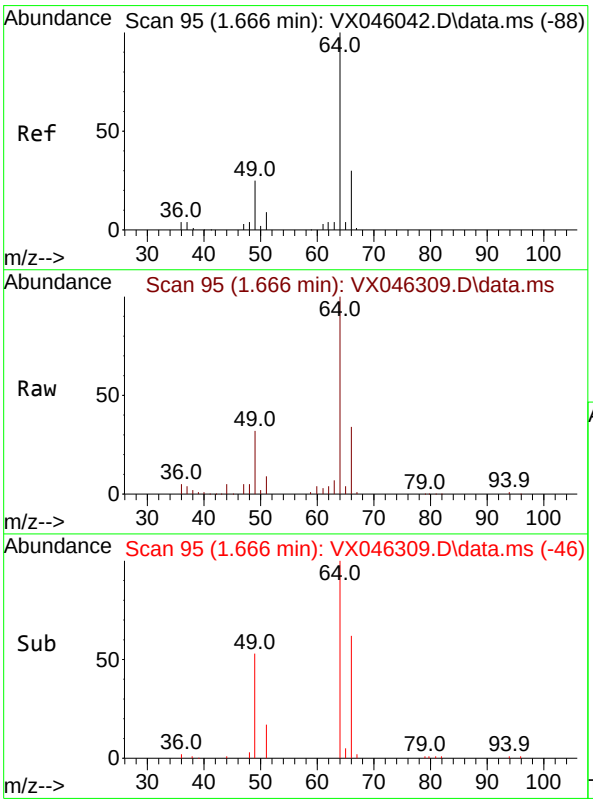
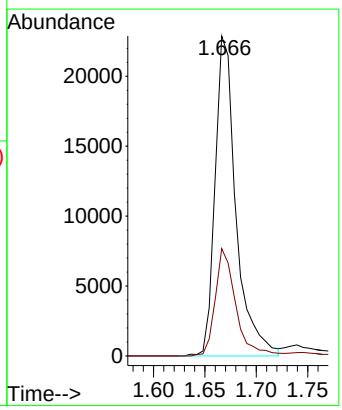
Supervised By :Mahesh Dadoda 05/22/2025

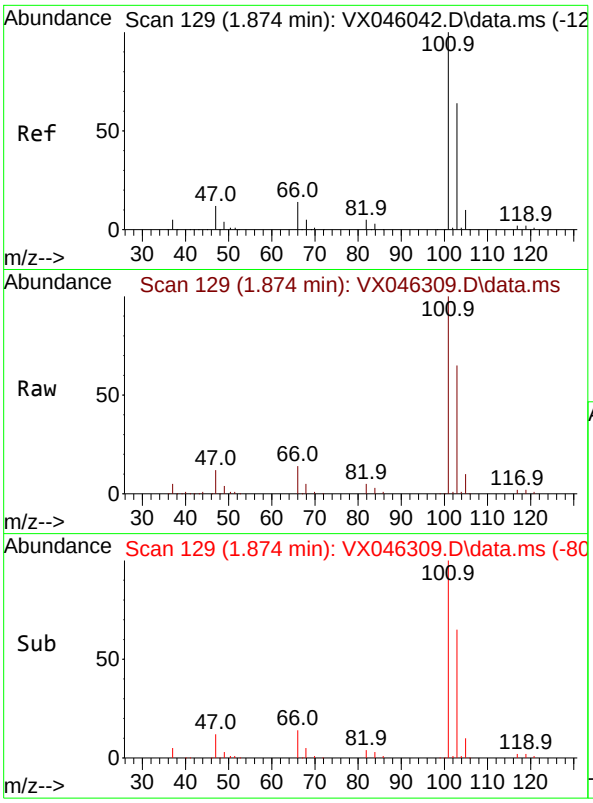


#6
Chloroethane
Concen: 54.451 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 64 Resp: 32246

Ion	Ratio	Lower	Upper
64	100		
66	33.5	24.3	36.5

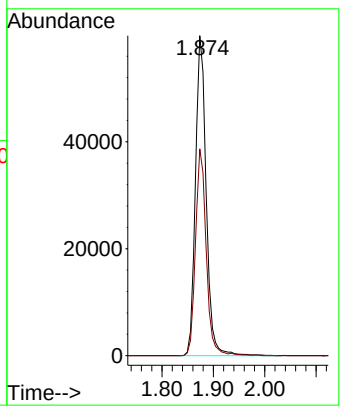




#7
Trichlorofluoromethane
Concen: 53.263 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:101 Resp: 8732

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
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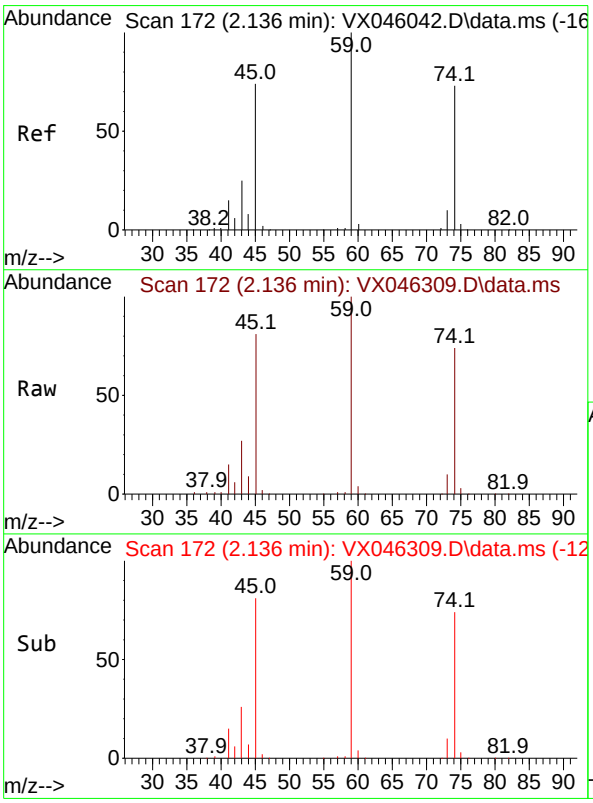
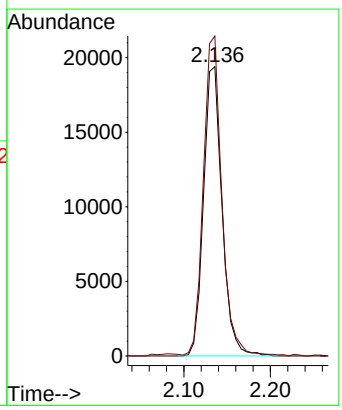
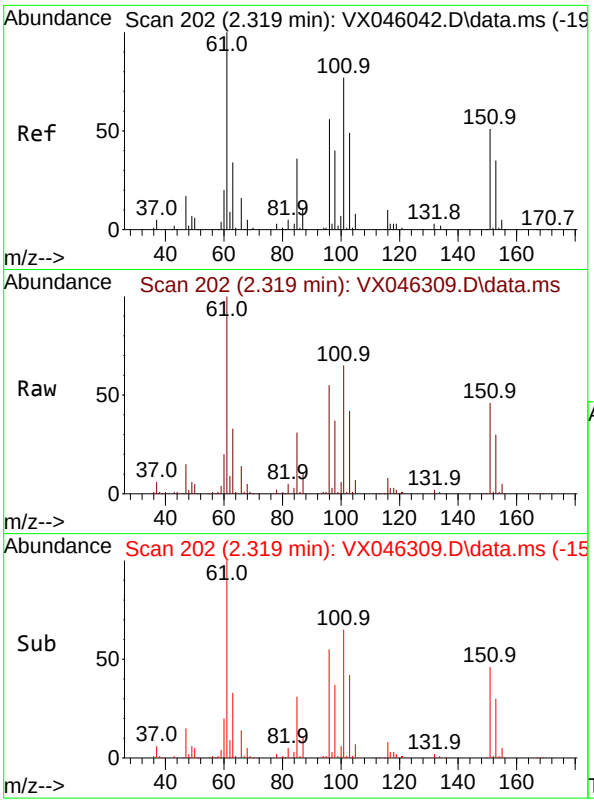


#8
Diethyl Ether
Concen: 51.546 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 74 Resp: 28768

Ion	Ratio	Lower	Upper
74	100		
45	110.4	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.109 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:101 Resp: 5185

Ion	Ratio	Lower	Upper
101	100		
85	47.1	38.6	58.0
151	70.3	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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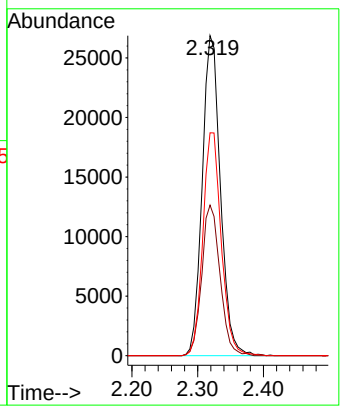
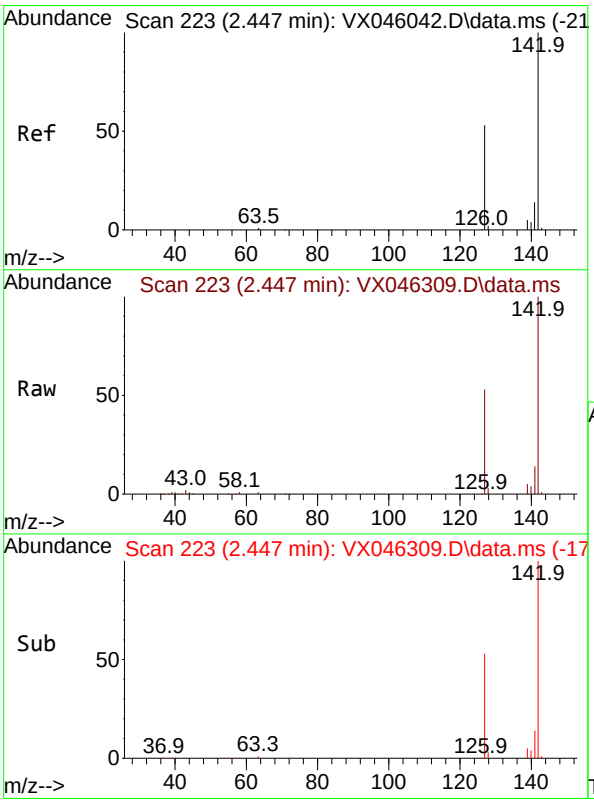
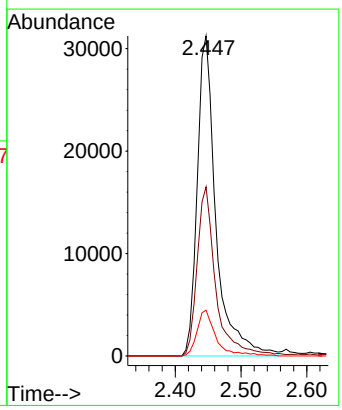


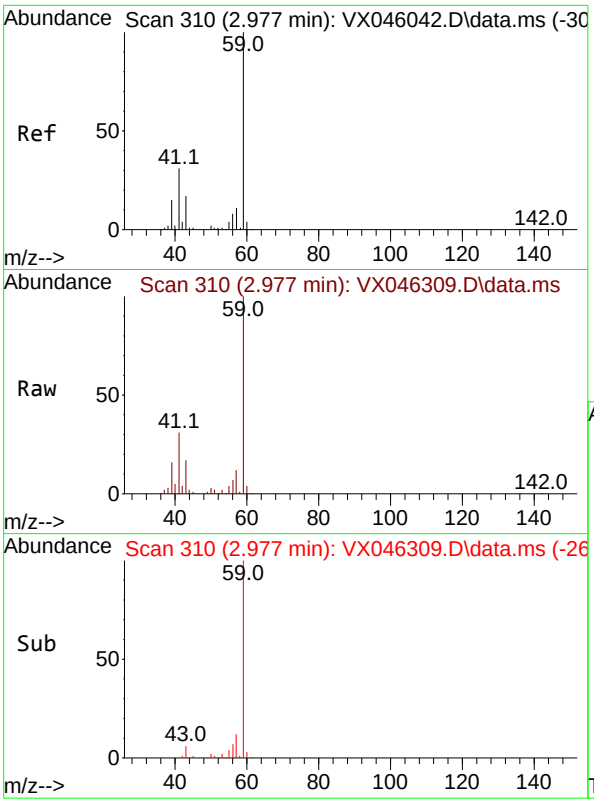


#10
Methyl Iodide
Concen: 51.617 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:142 Resp: 61967

Ion	Ratio	Lower	Upper
142	100		
127	52.4	41.7	62.5
141	14.5	11.5	17.3

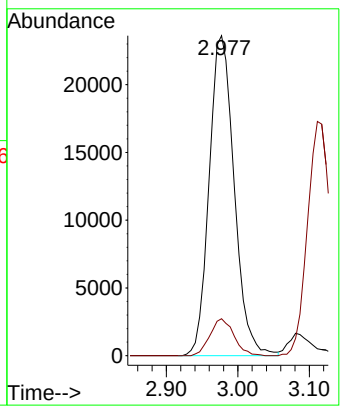




#11
Tert butyl alcohol
Concen: 272.937 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 59 Resp: 5735

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8



Instrument :
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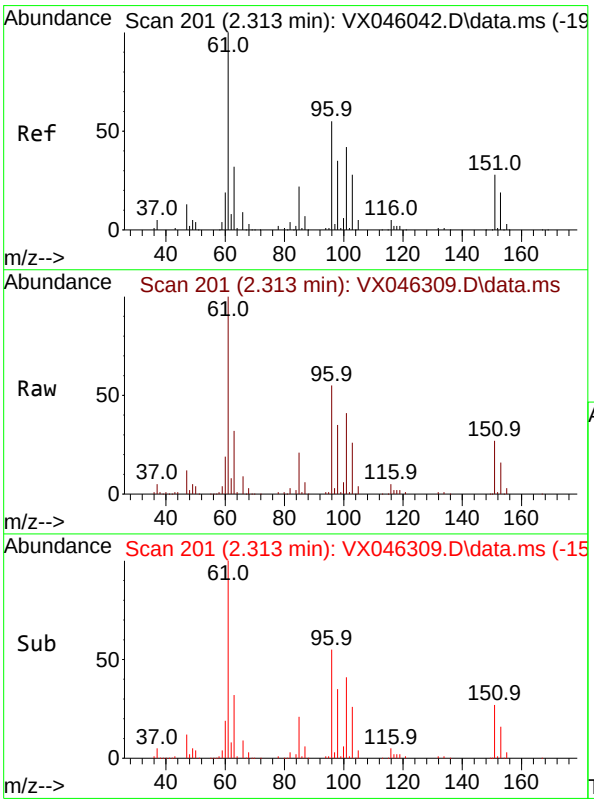
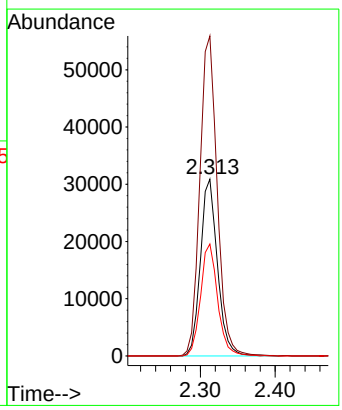
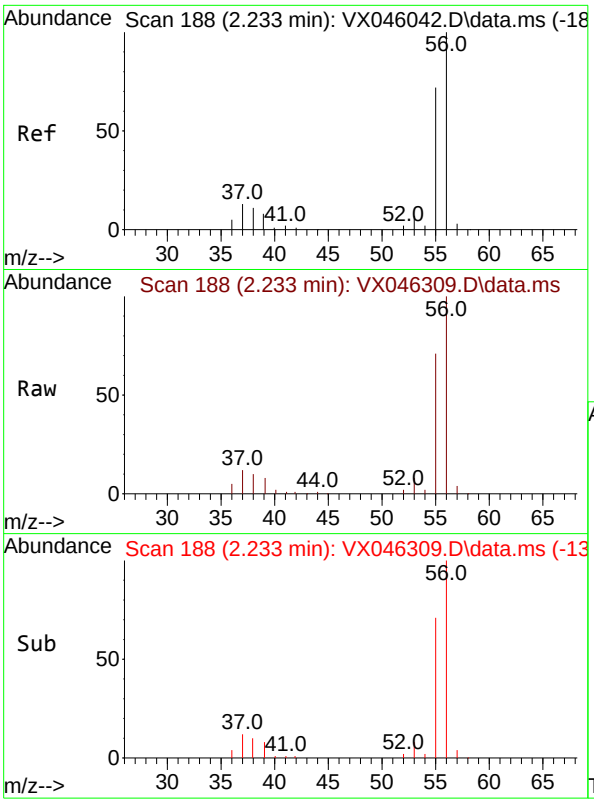


#12
1,1-Dichloroethene
Concen: 51.346 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 96 Resp: 48892

Ion	Ratio	Lower	Upper
96	100		
61	181.1	146.2	219.2
98	63.4	51.0	76.6

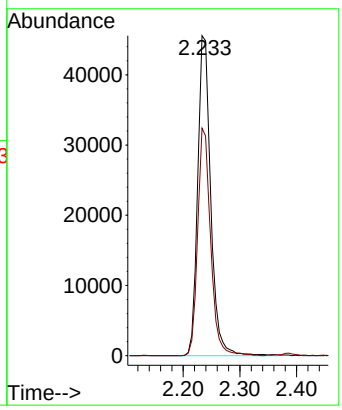




#13
Acrolein
Concen: 304.004 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 56 Resp: 7275

Ion	Ratio	Lower	Upper
56	100		
55	70.6	56.2	84.4



Instrument :
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ClientSampleId :
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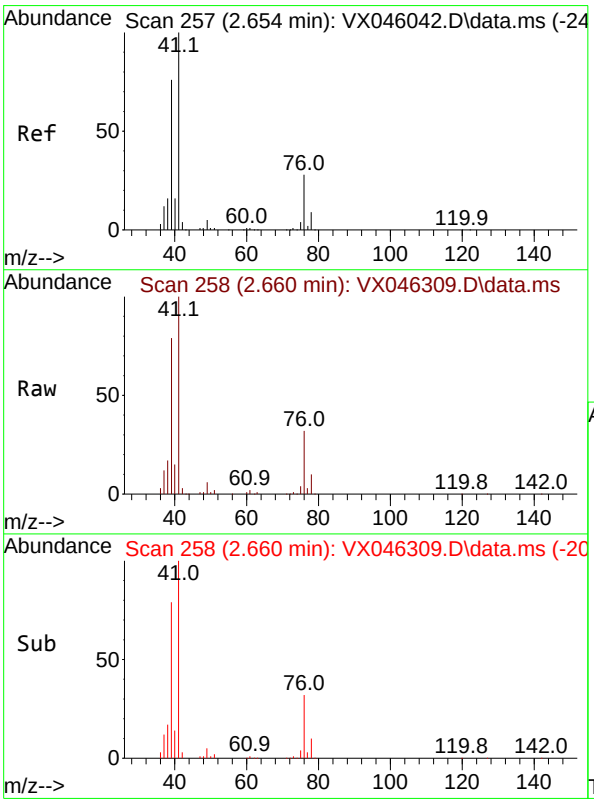
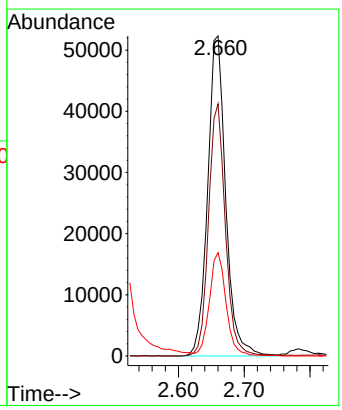
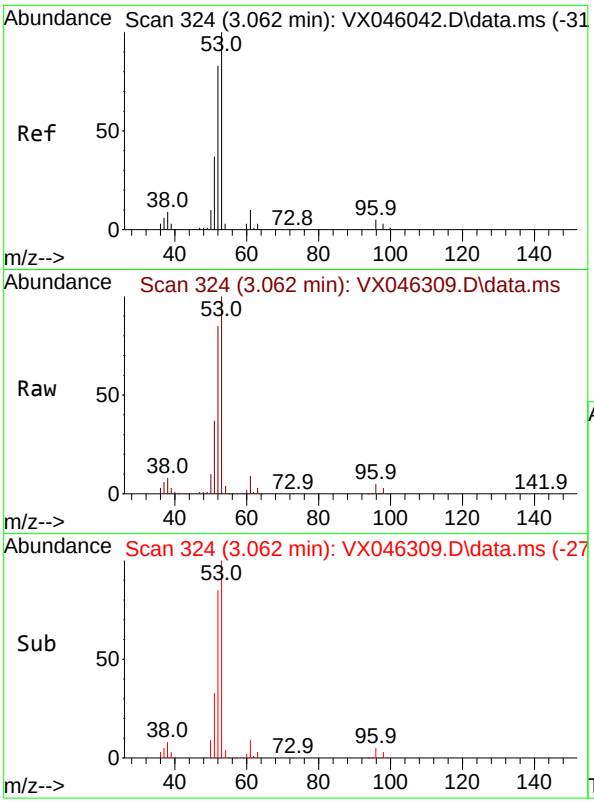


#14
Allyl chloride
Concen: 54.976 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 41 Resp: 100048

Ion	Ratio	Lower	Upper
41	100		
39	73.4	60.6	90.8
76	29.9	24.9	37.3





#15
Acrylonitrile
Concen: 273.599 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 53 Resp: 16440

Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.3	97.9
51	37.8	29.8	44.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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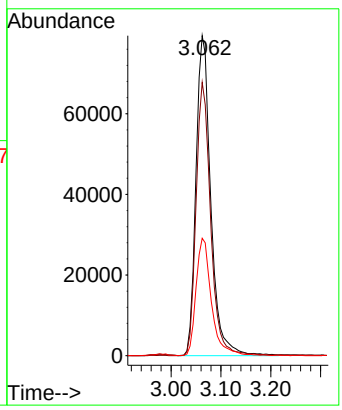
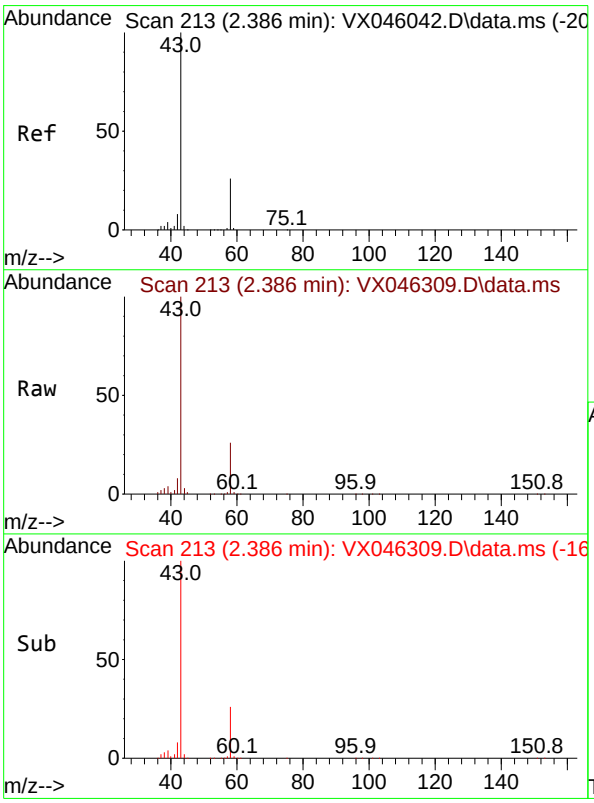
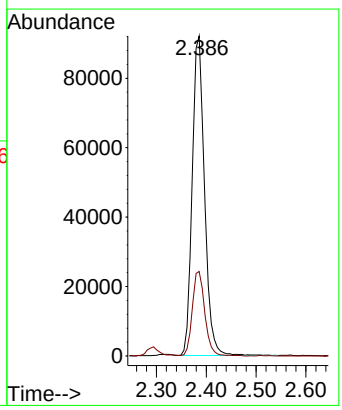


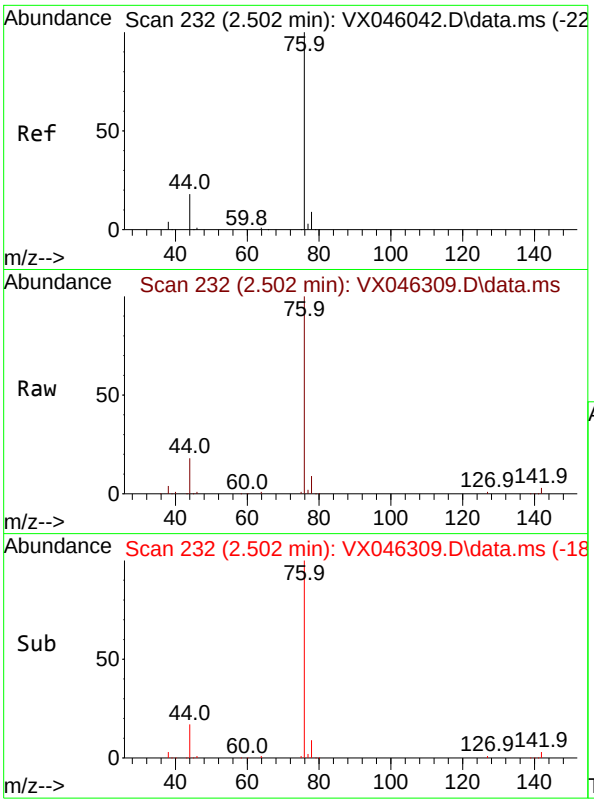


#16
Acetone
Concen: 262.209 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 43 Resp: 157398

Ion	Ratio	Lower	Upper
43	100		
58	26.4	21.2	31.8

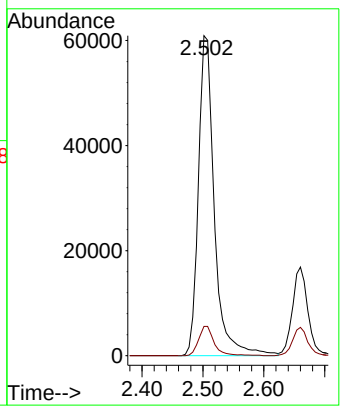




#17
Carbon Disulfide
Concen: 49.071 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 76 Resp: 11077

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4



Instrument :
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ClientSampleId :
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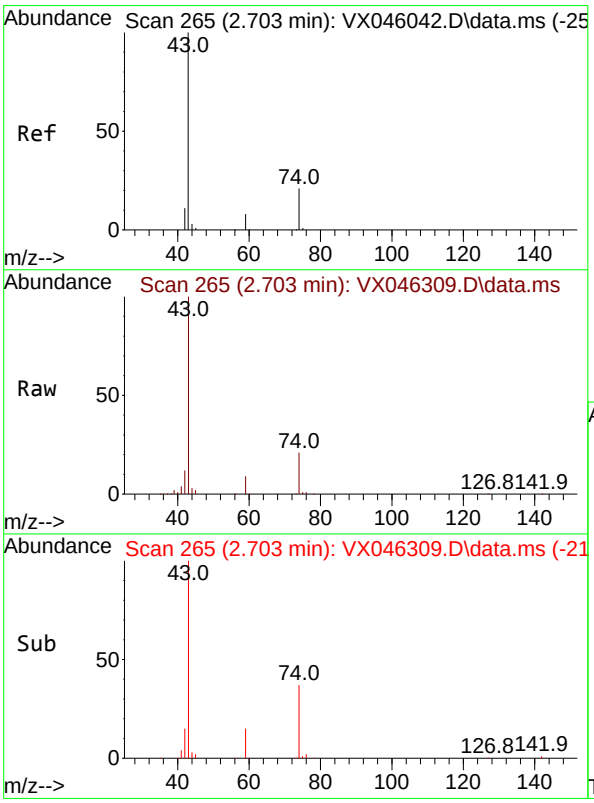
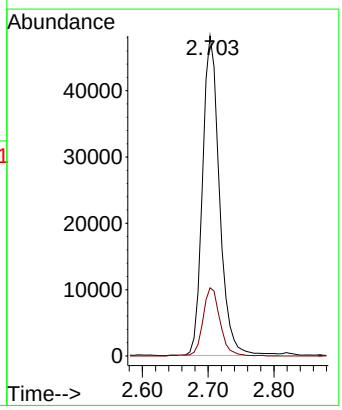
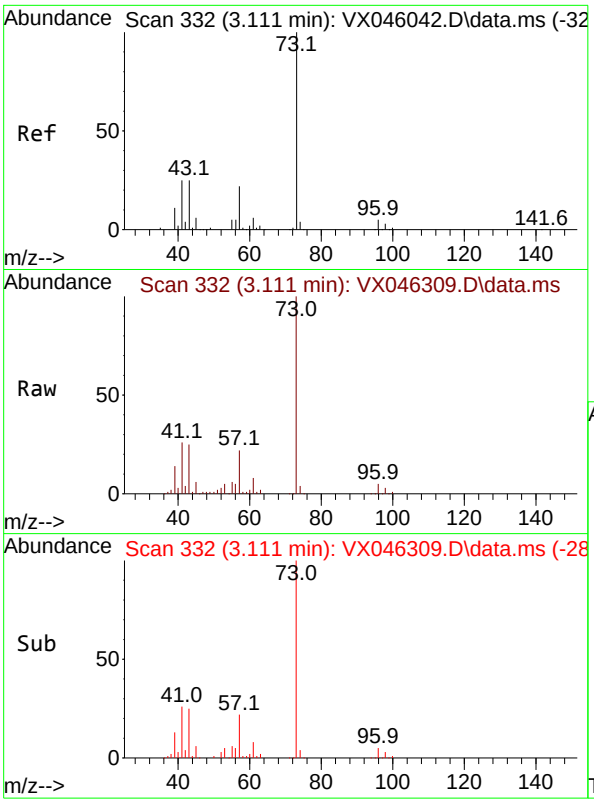


#18
Methyl Acetate
Concen: 62.191 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 43 Resp: 86630

Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.7	25.1

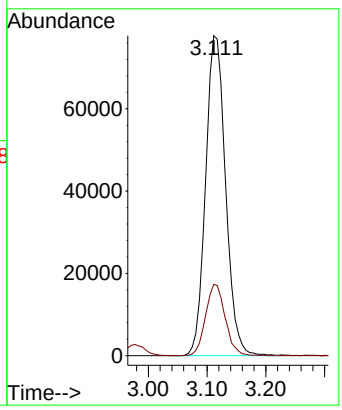




#19
Methyl tert-butyl Ether
Concen: 55.080 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 73 Resp: 18387

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.7	26.5



Instrument :
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ClientSampleId :
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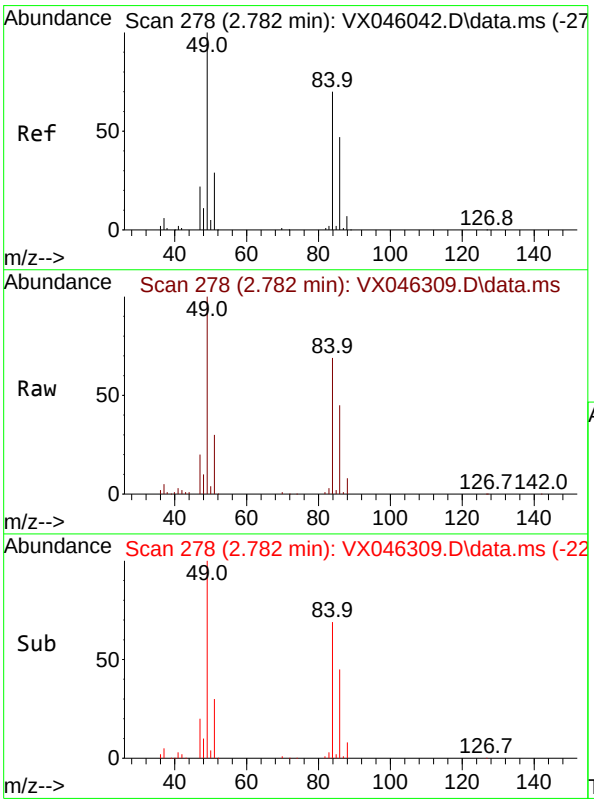
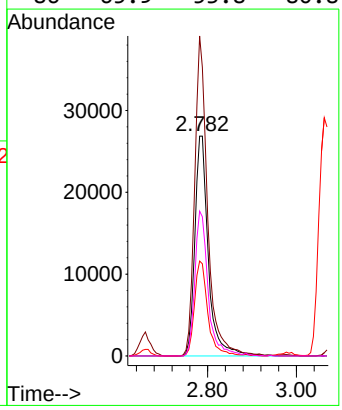
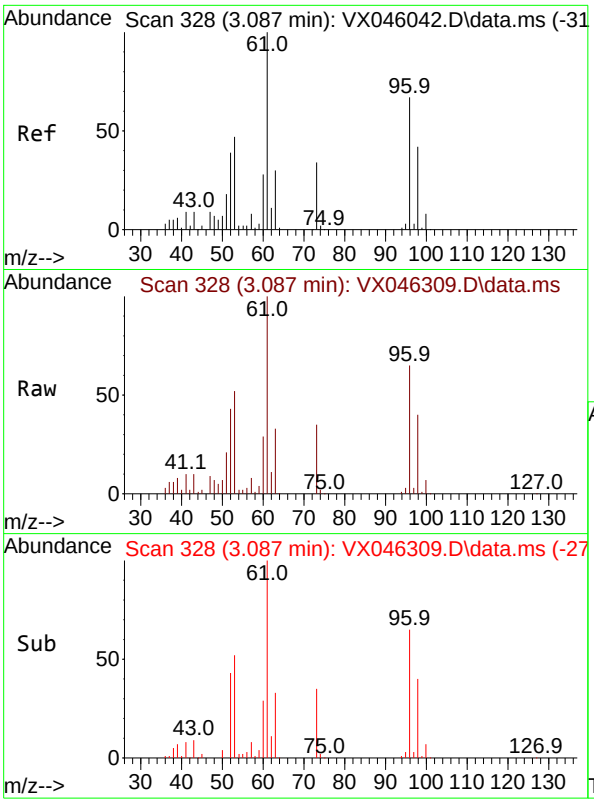


#20
Methylene Chloride
Concen: 49.327 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 84 Resp: 56742

Ion	Ratio	Lower	Upper
84	100		
49	145.5	113.9	170.9
51	43.1	33.5	50.3
86	65.9	53.8	80.8

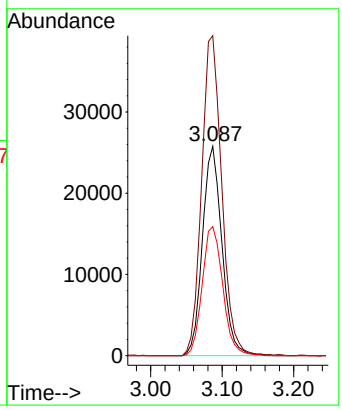




#21
trans-1,2-Dichloroethene
Concen: 51.069 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 96 Resp: 4890

Ion	Ratio	Lower	Upper
96	100		
61	152.9	119.5	179.3
98	61.7	50.0	75.0



Instrument :
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ClientSampleId :
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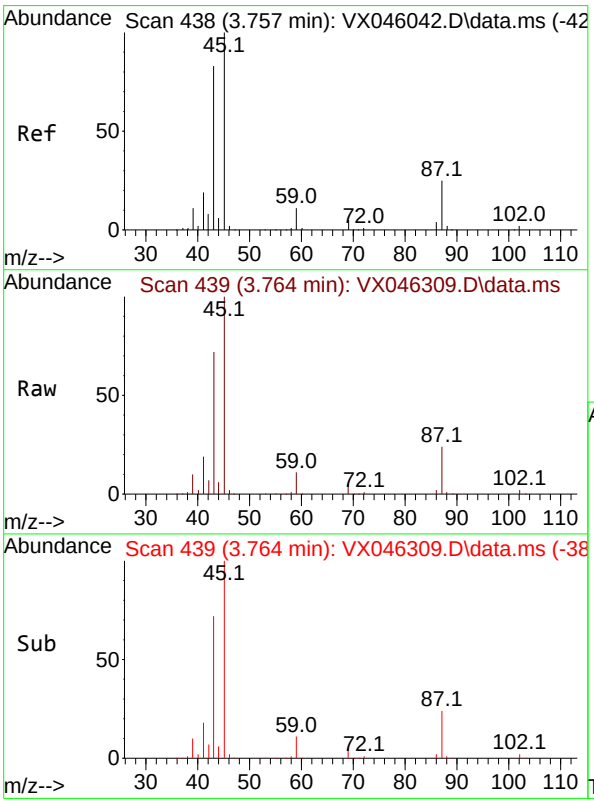
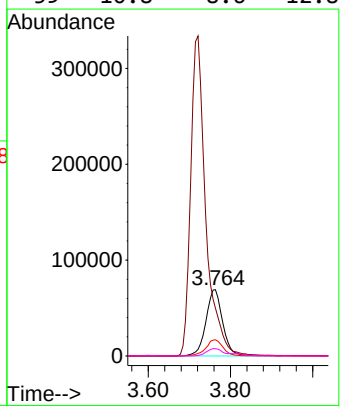
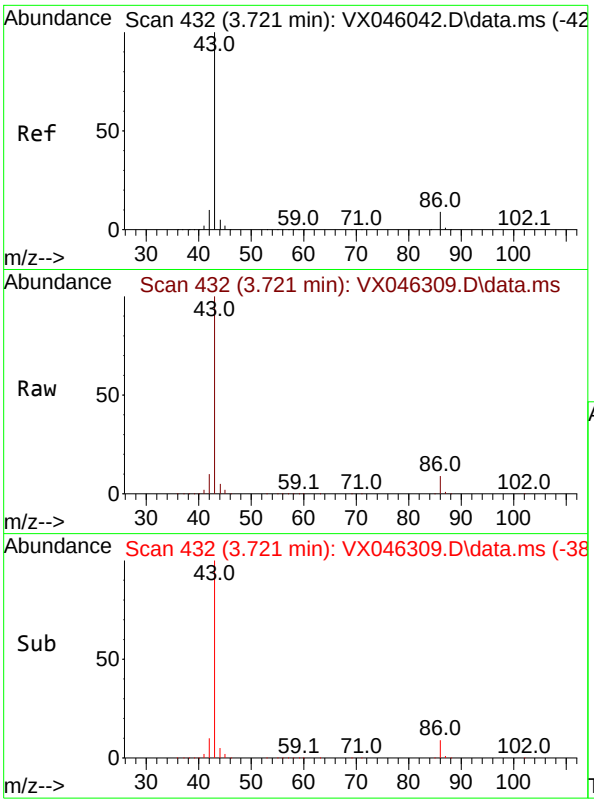


#22
Diisopropyl ether
Concen: 55.824 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 45 Resp: 196237

Ion	Ratio	Lower	Upper
45	100		
43	71.8	66.6	100.0
87	24.5	19.8	29.6
59	10.8	8.6	12.8

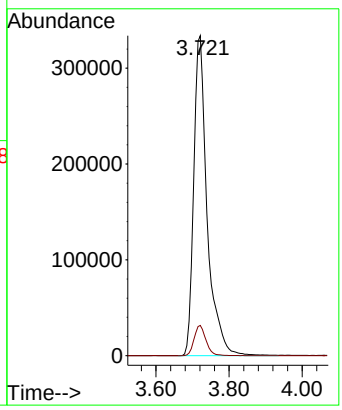




#23
Vinyl Acetate
Concen: 277.142 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 43 Resp: 85687

Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.5	11.3



Instrument :
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ClientSampleId :
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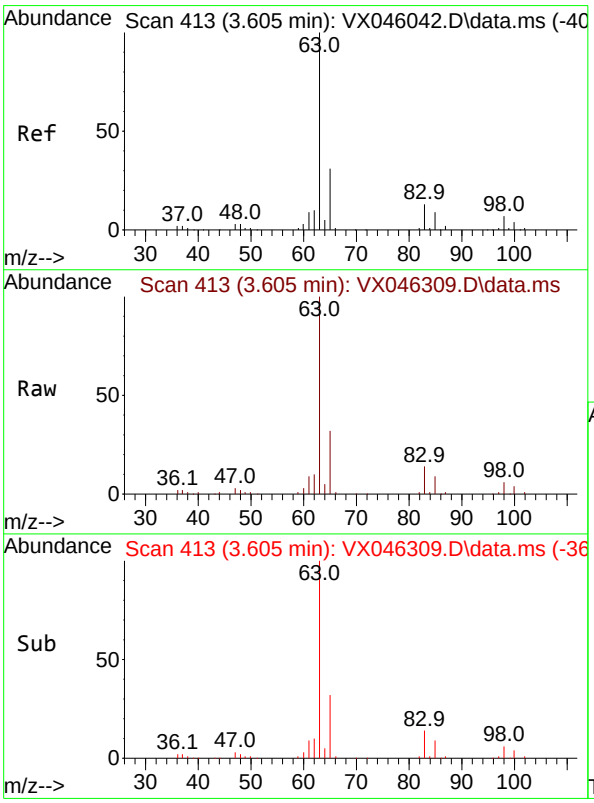
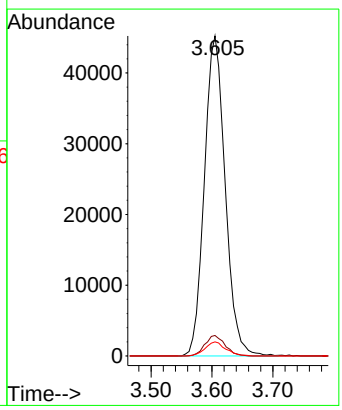
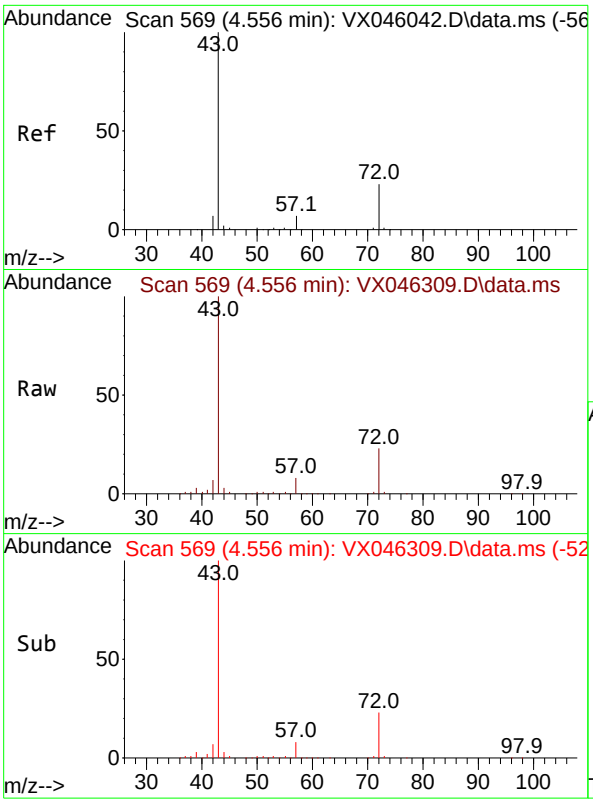


#24
1,1-Dichloroethane
Concen: 54.807 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 63 Resp: 107309

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.6	10.8
100	4.4	2.1	6.3





#25
2-Butanone
Concen: 278.542 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 43 Resp: 24274

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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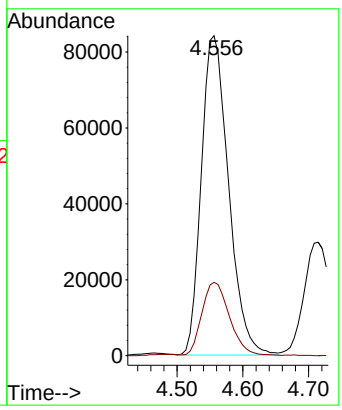
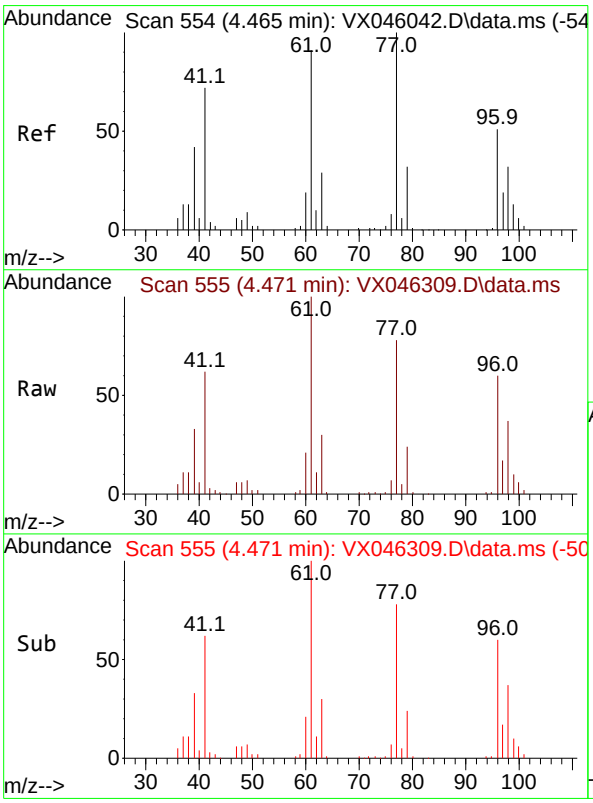
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

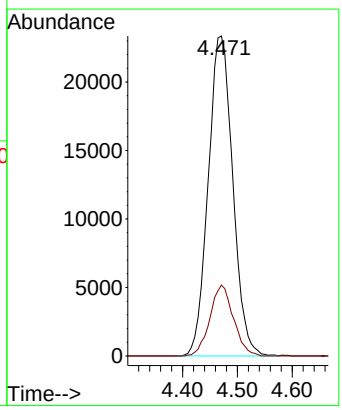


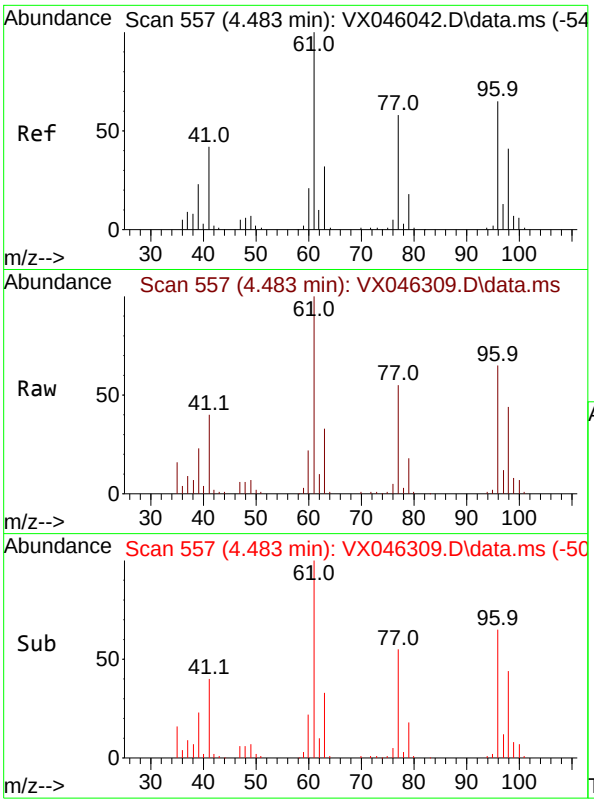


#26
2,2-Dichloropropane
Concen: 47.433 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 77 Resp: 72690

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 53.789 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 96 Resp: 6200

Ion	Ratio	Lower	Upper
96	100		
61	160.2	0.0	322.8
98	64.0	0.0	129.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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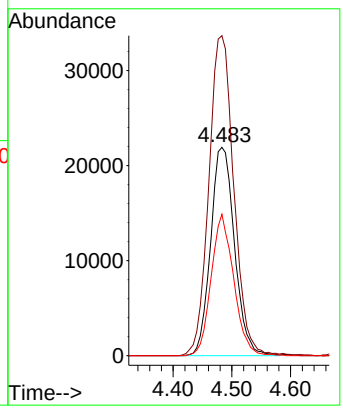
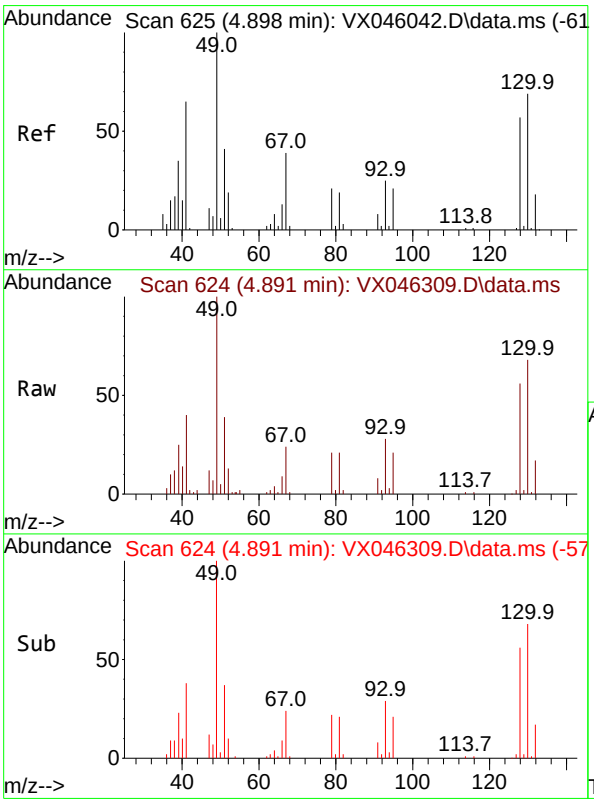
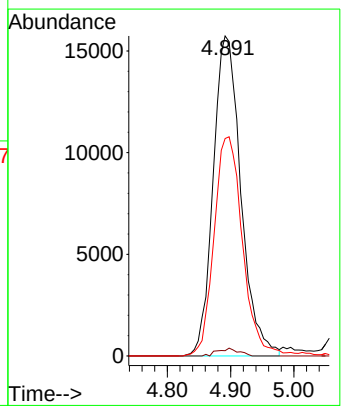


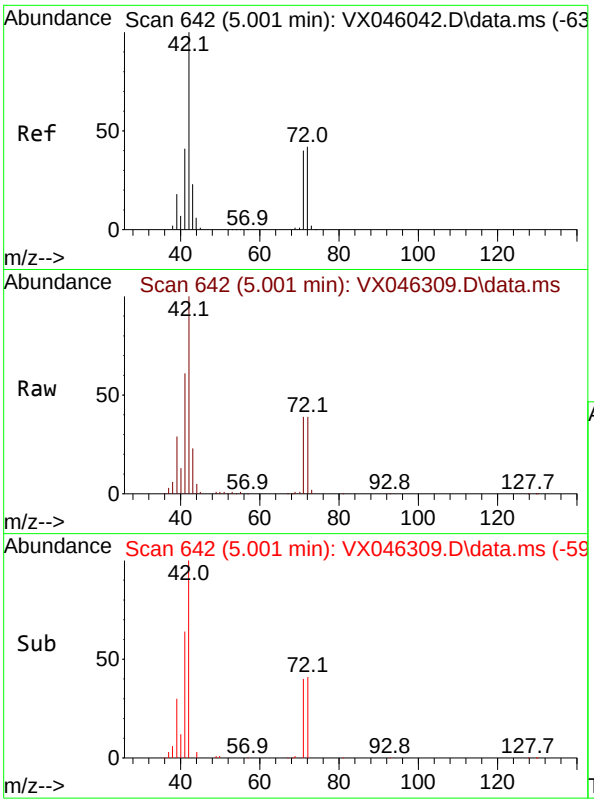


#28
Bromochloromethane
Concen: 50.808 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 49 Resp: 47884

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	70.4	56.2	84.2





#29
Tetrahydrofuran
Concen: 279.438 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 42 Resp: 15259

Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.7	50.5
71	38.7	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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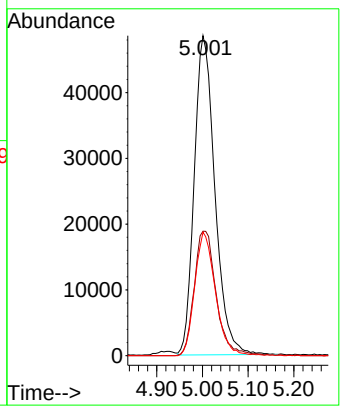
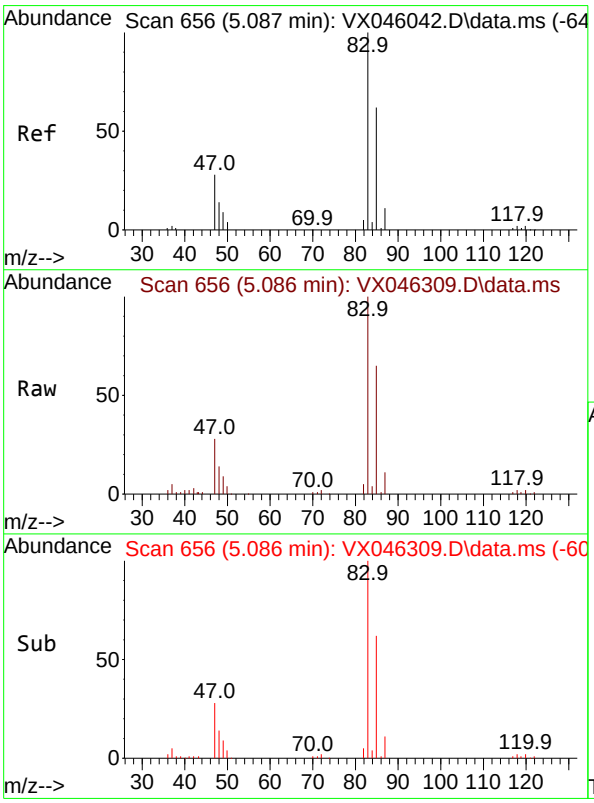
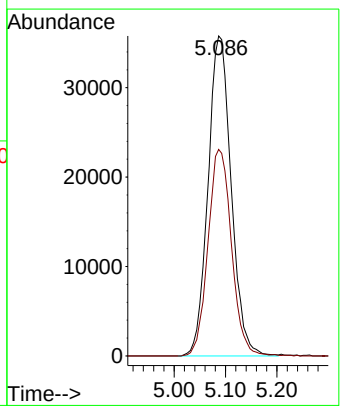


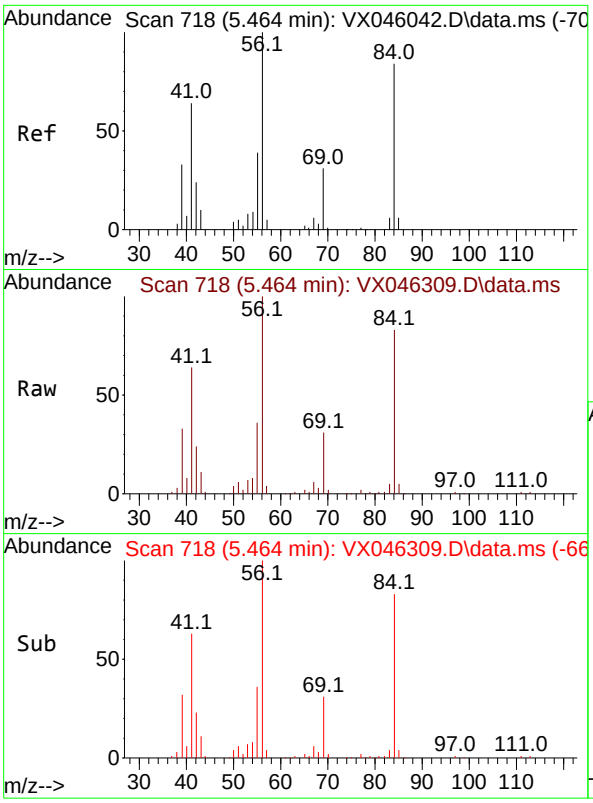


#30
Chloroform
Concen: 54.901 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 83 Resp: 112040

Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.3	73.9





#31
Cyclohexane
Concen: 53.304 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 56 Resp: 9510

Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.4	36.6
84	81.0	66.9	100.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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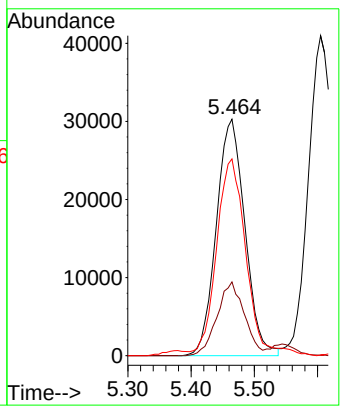
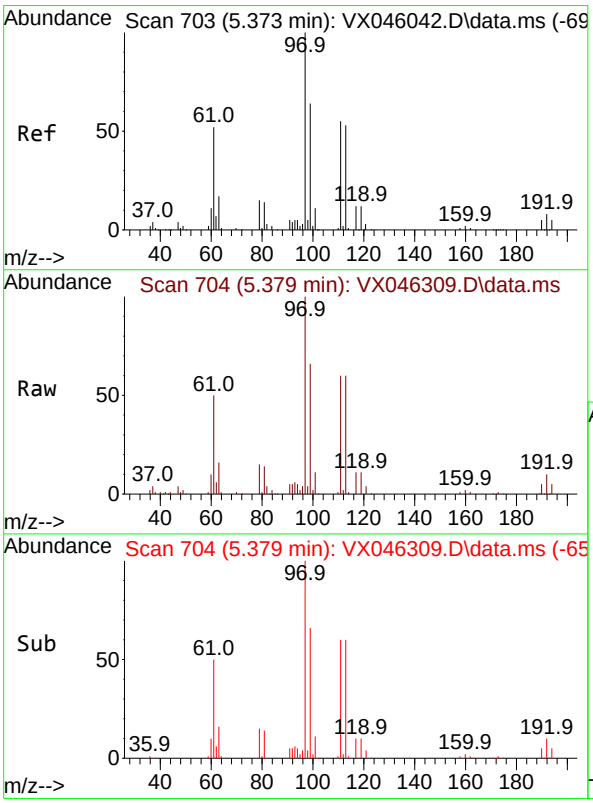
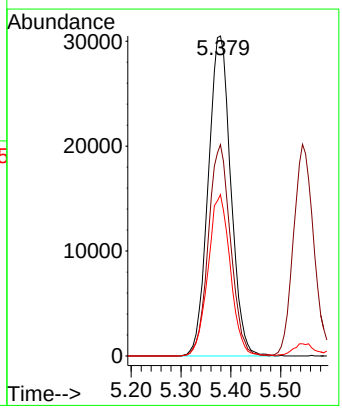


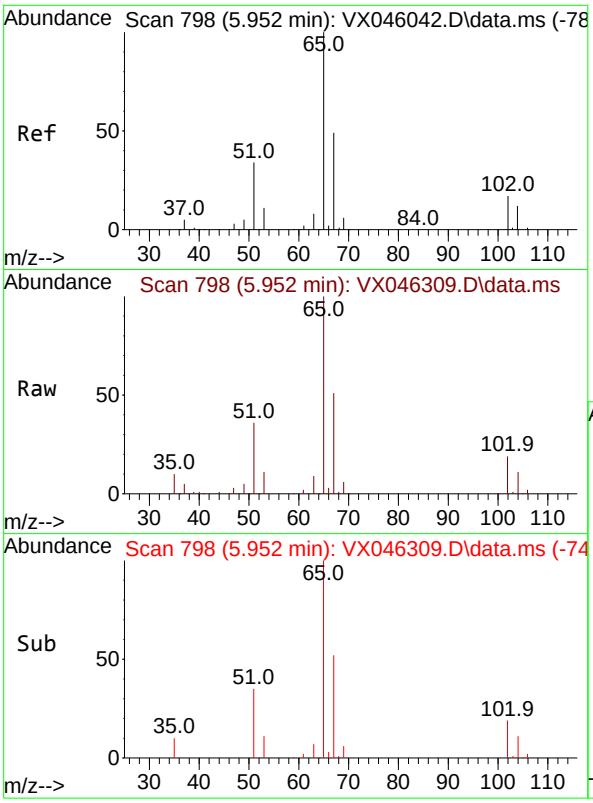


#32
1,1,1-Trichloroethane
Concen: 54.225 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 97 Resp: 95926

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.6
61	49.9	40.1	60.1

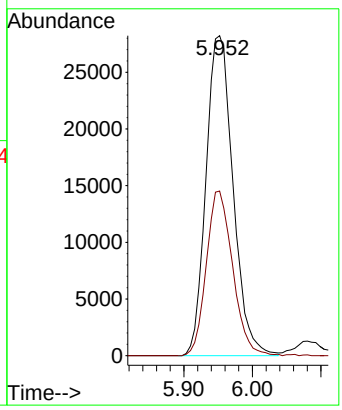




#33
1,2-Dichloroethane-d4
Concen: 51.748 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 65 Resp: 7747

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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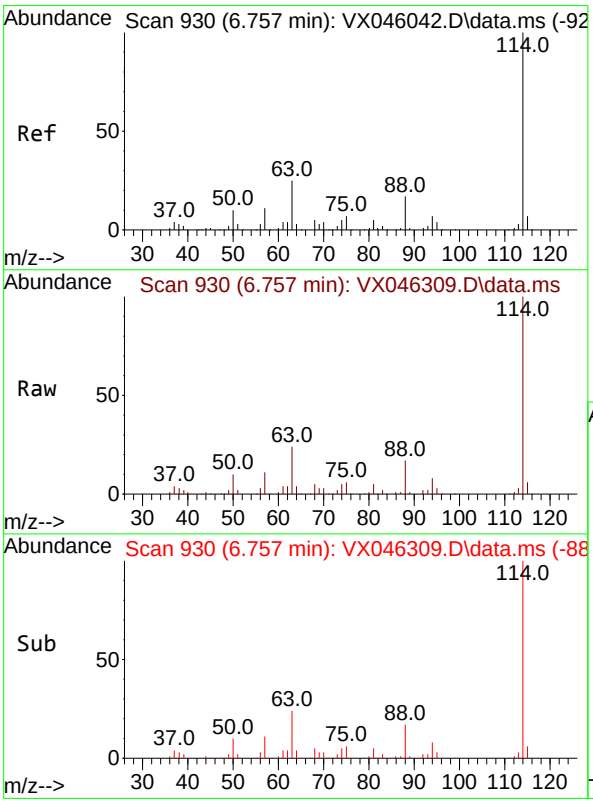
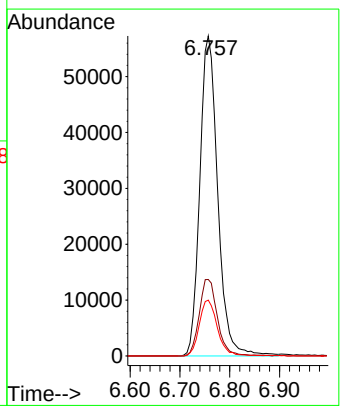
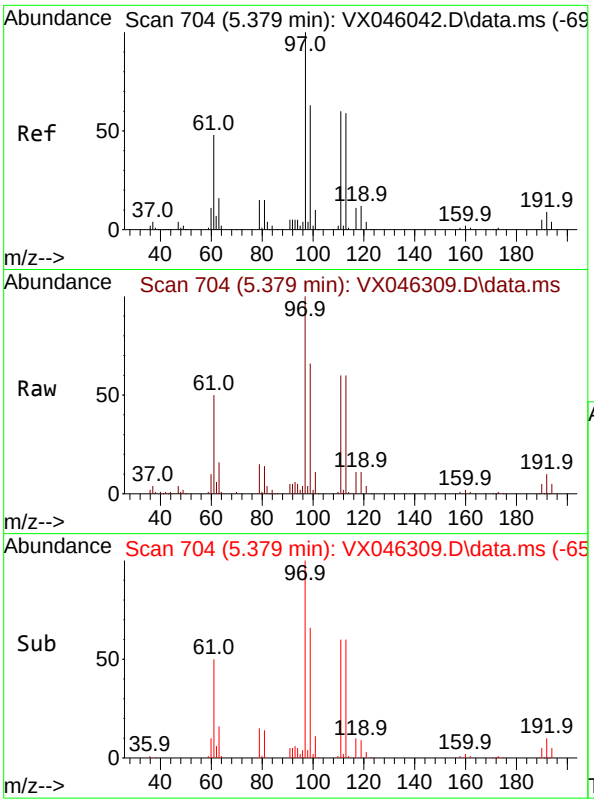


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:114 Resp: 142868

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	49.2
88	17.4	0.0	33.6

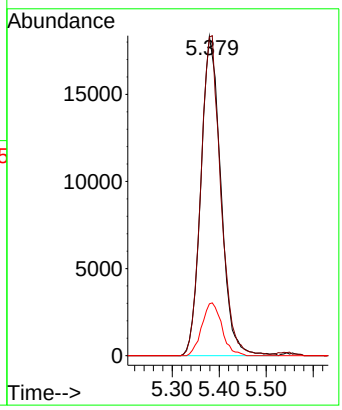




#35
Dibromofluoromethane
Concen: 52.481 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:113 Resp: 5399

Ion	Ratio	Lower	Upper
113	100		
111	100.1	83.1	124.7
192	16.6	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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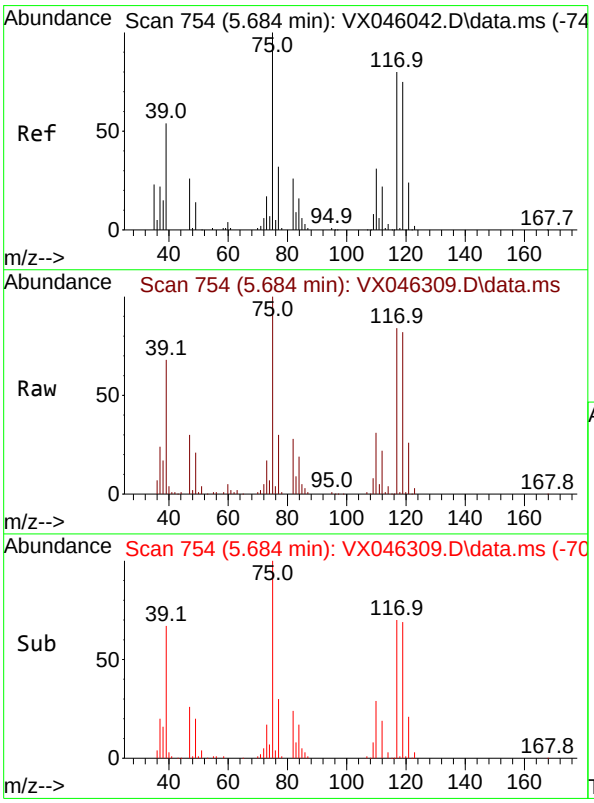
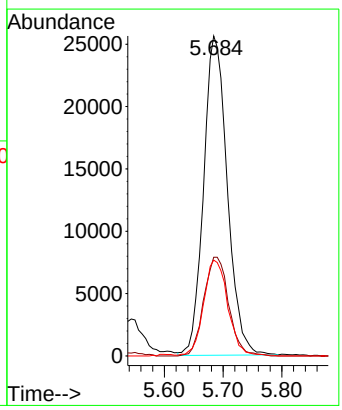
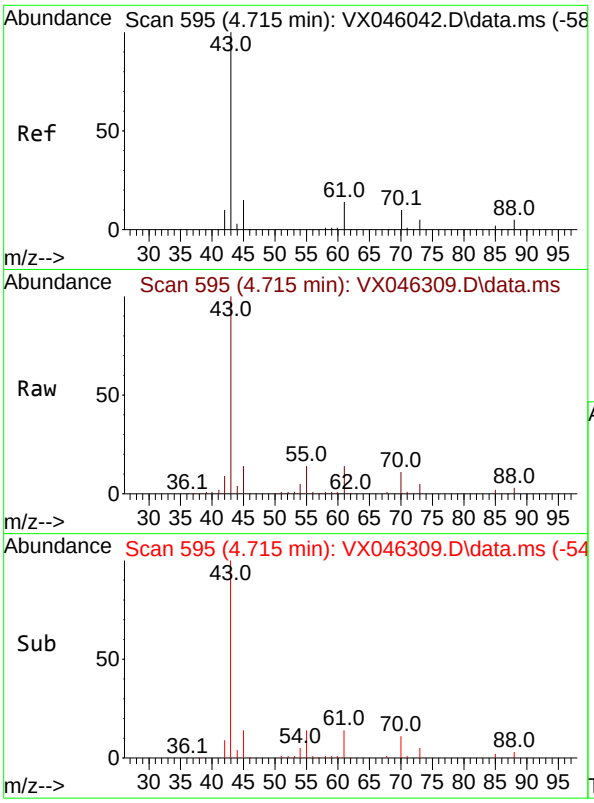


#36
1,1-Dichloropropene
Concen: 51.965 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 75 Resp: 71831

Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.3	48.9
77	30.8	24.3	36.5

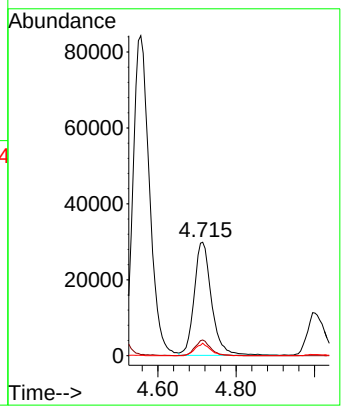




#37
Ethyl Acetate
Concen: 53.811 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 43 Resp: 9190

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	9.6	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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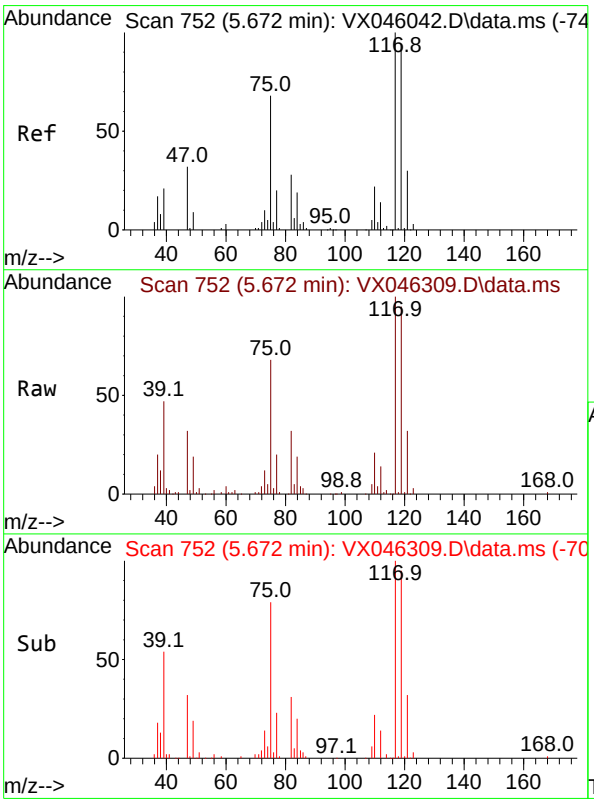
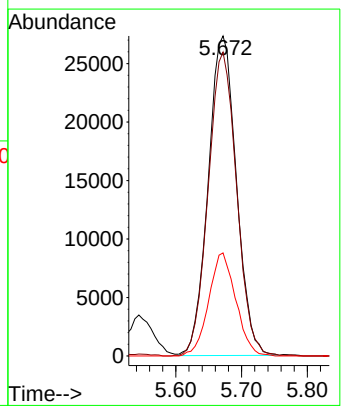
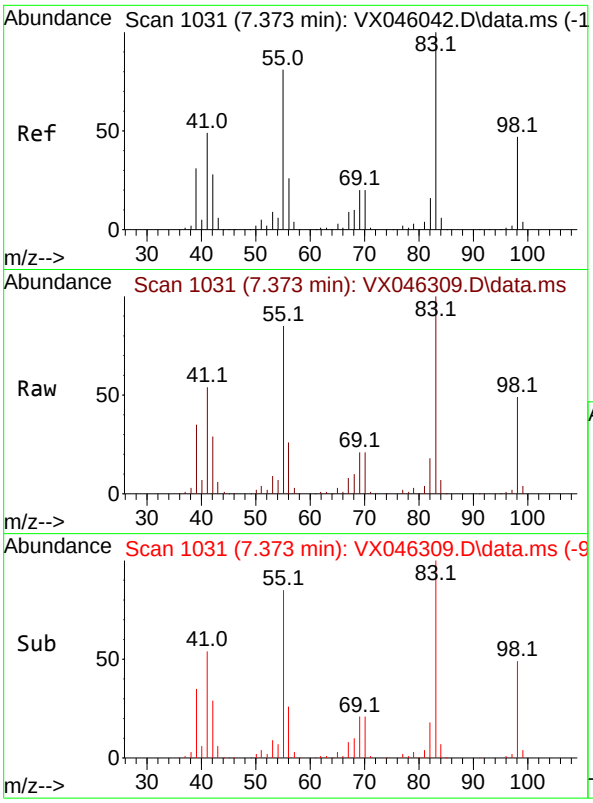


#38
Carbon Tetrachloride
Concen: 52.550 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:117 Resp: 81617

Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.2	112.8
121	32.3	24.2	36.4

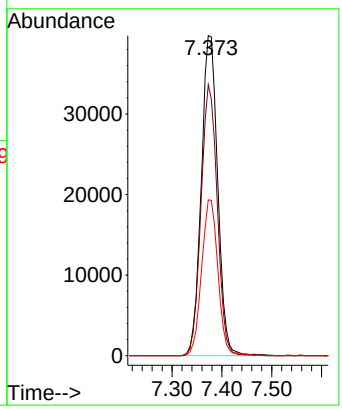




#39
Methylcyclohexane
Concen: 51.084 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 83 Resp: 9090

Ion	Ratio	Lower	Upper
83	100		
55	84.6	64.7	97.1
98	48.7	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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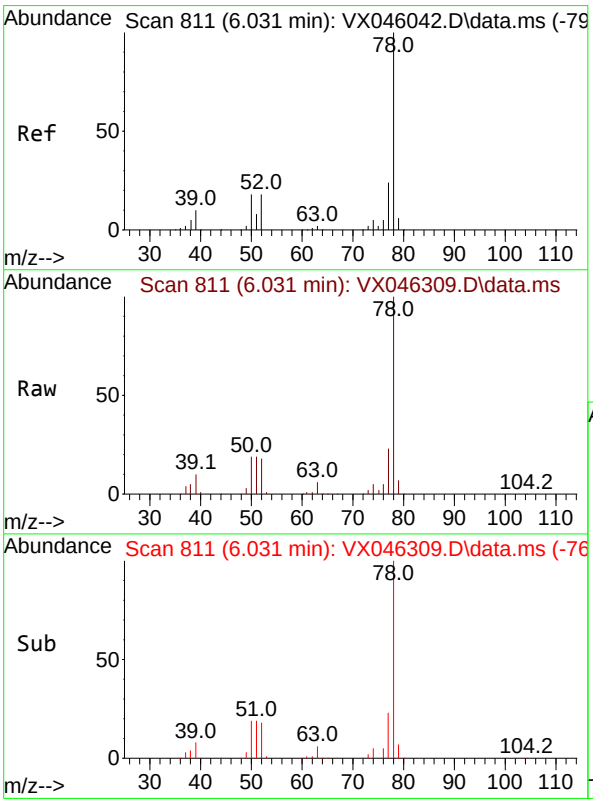
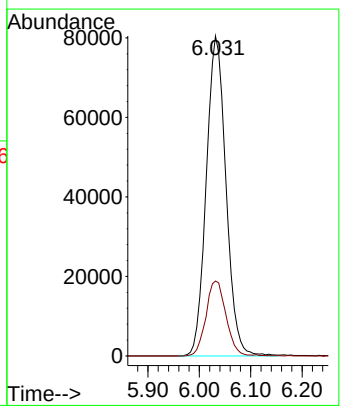
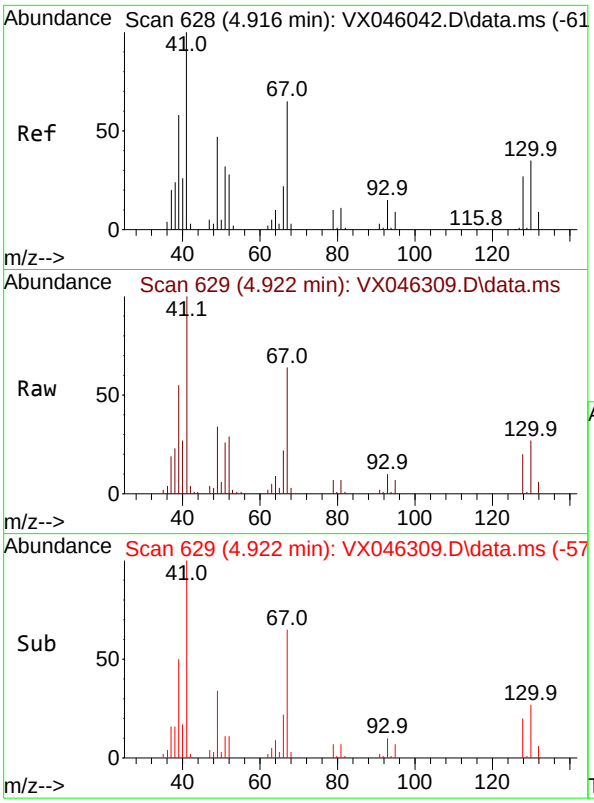


#40
Benzene
Concen: 52.931 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 78 Resp: 214309

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4

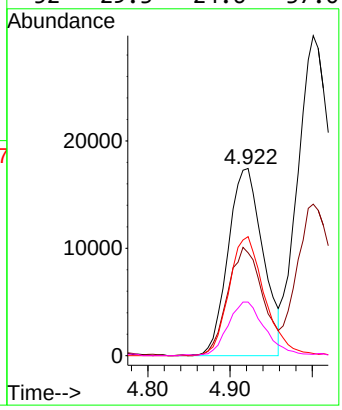




#41
Methacrylonitrile
Concen: 57.703 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 41 Resp: 5155

Ion	Ratio	Lower	Upper
41	100		
39	57.9	47.2	70.8
67	65.5	50.7	76.1
52	29.3	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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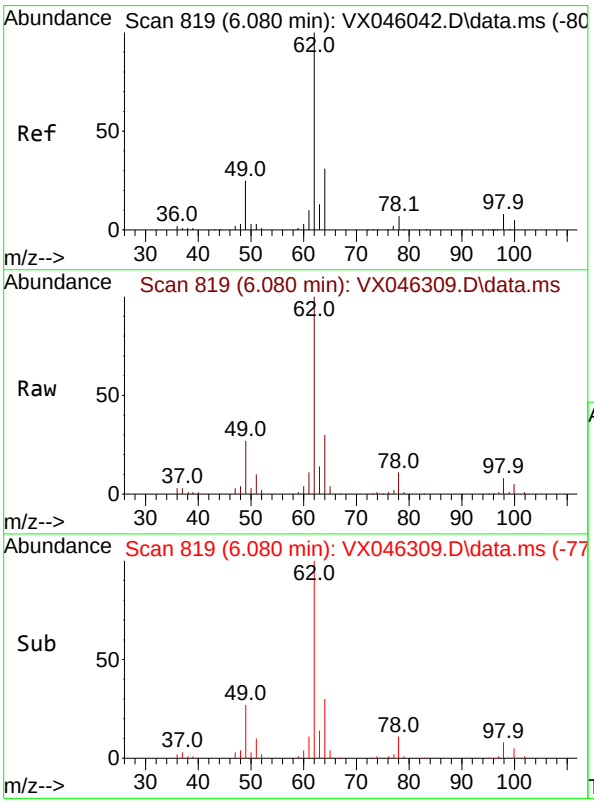
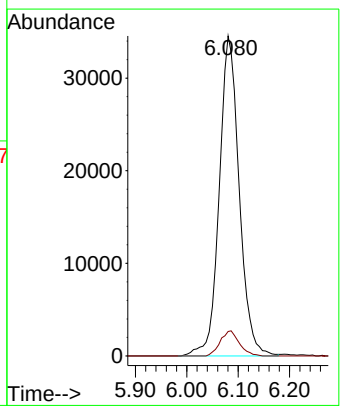
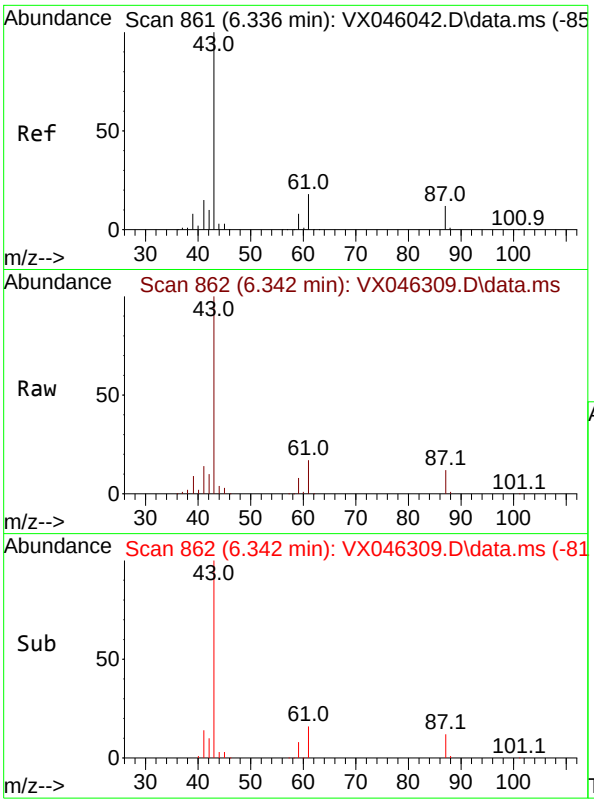


#42
1,2-Dichloroethane
Concen: 53.339 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 62 Resp: 93208

Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.2





#43
Isopropyl Acetate
Concen: 56.305 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 43 Resp: 14669

Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.3	21.5
87	11.4	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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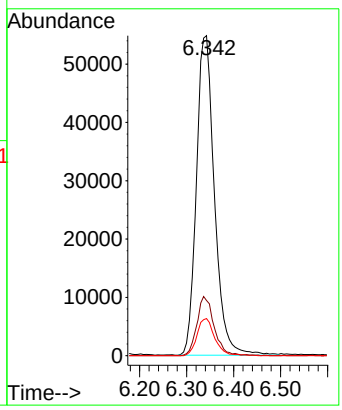
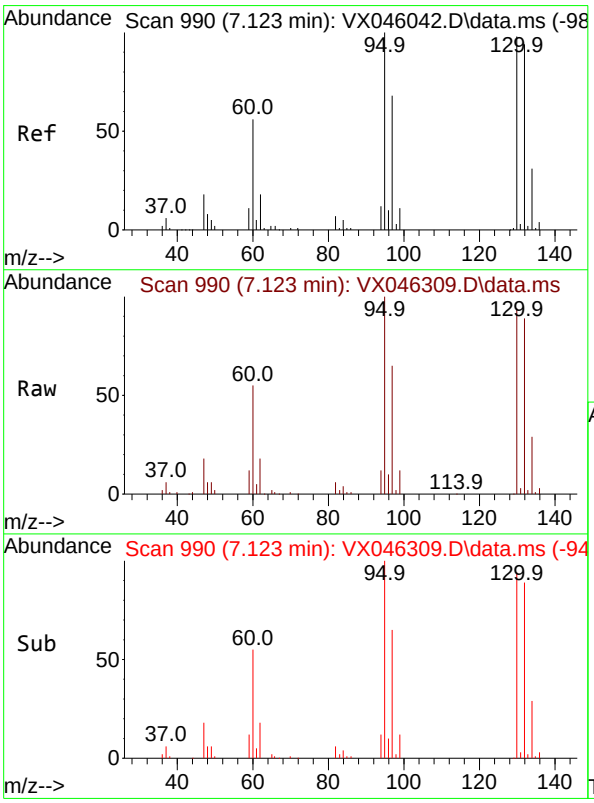
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

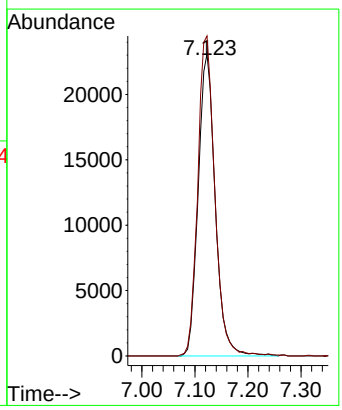


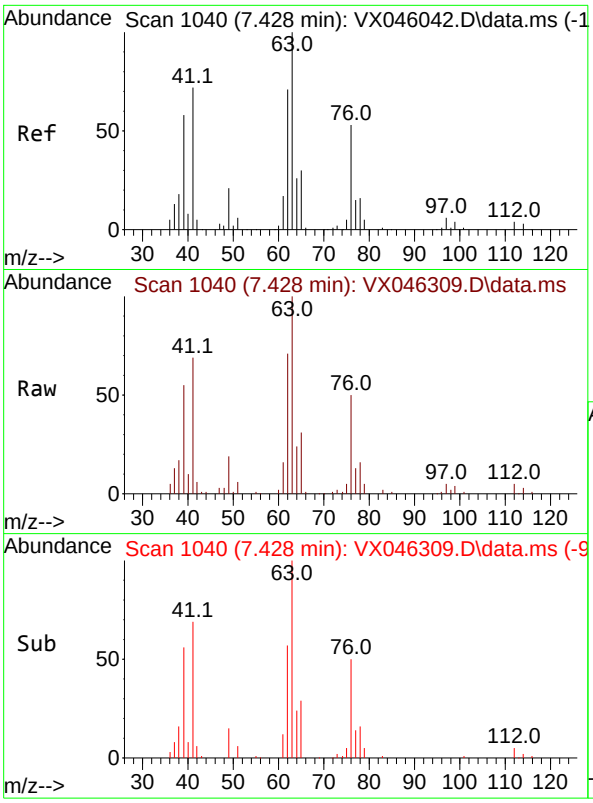


#44
Trichloroethene
Concen: 52.934 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:130 Resp: 51584

Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	204.2

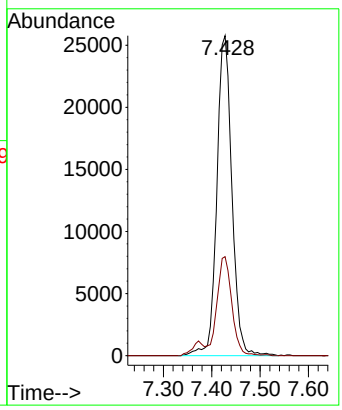




#45
1,2-Dichloropropane
Concen: 55.522 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 63 Resp: 5589

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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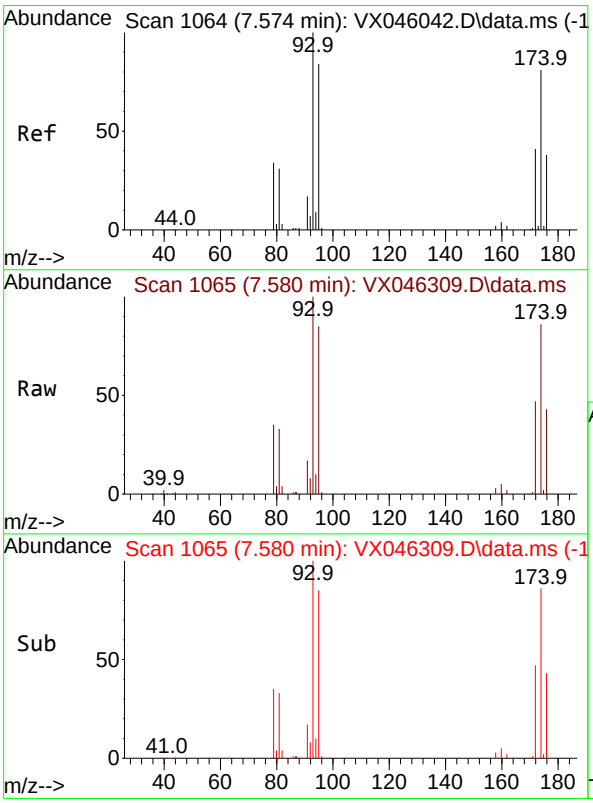
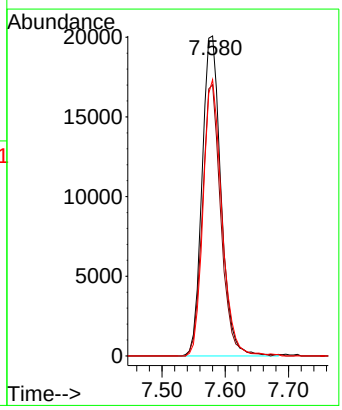
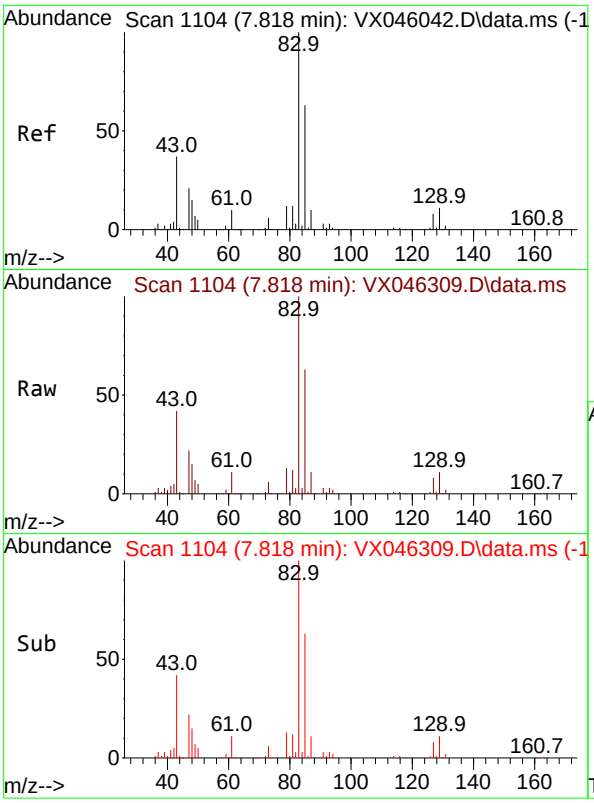


#46
Dibromomethane
Concen: 52.697 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 93 Resp: 41844

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.6	98.4
174	85.1	68.2	102.2

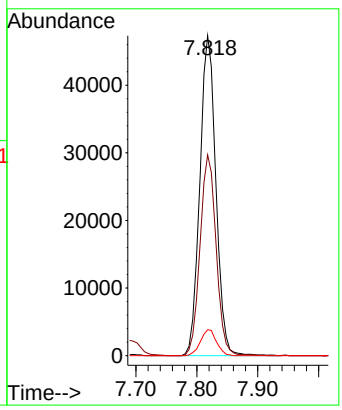




#47
Bromodichloromethane
Concen: 55.574 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 83 Resp: 8691

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.5	75.7
127	8.1	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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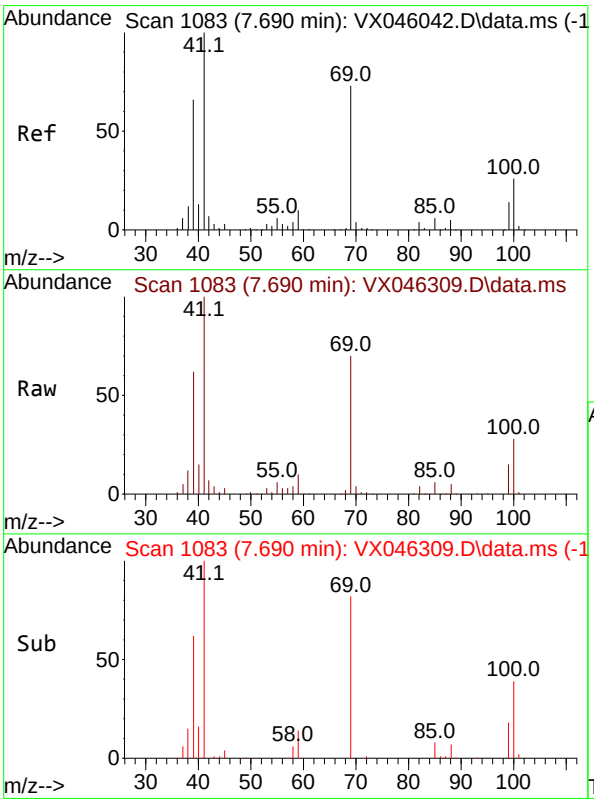
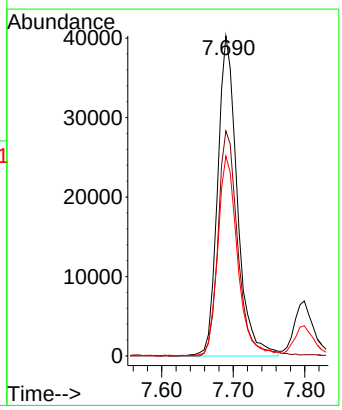
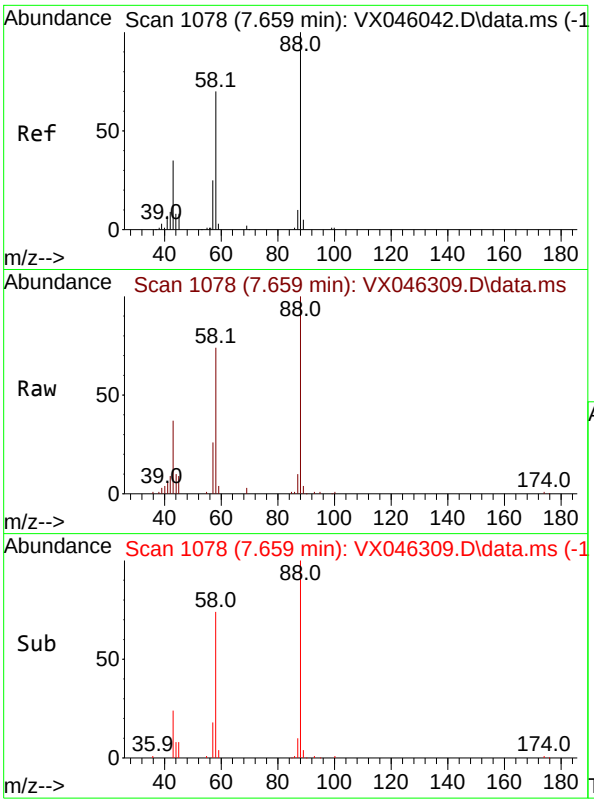


#48
Methyl methacrylate
Concen: 57.664 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 41 Resp: 76728

Ion	Ratio	Lower	Upper
41	100		
69	71.0	58.5	87.7
39	62.8	51.7	77.5





#49
1,4-Dioxane
Concen: 1049.342 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 88 Resp: 2651

Ion	Ratio	Lower	Upper
88	100		
43	43.4	33.4	50.2
58	77.0	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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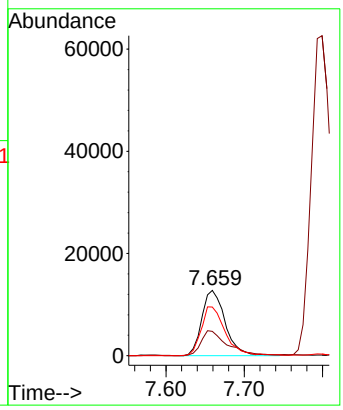
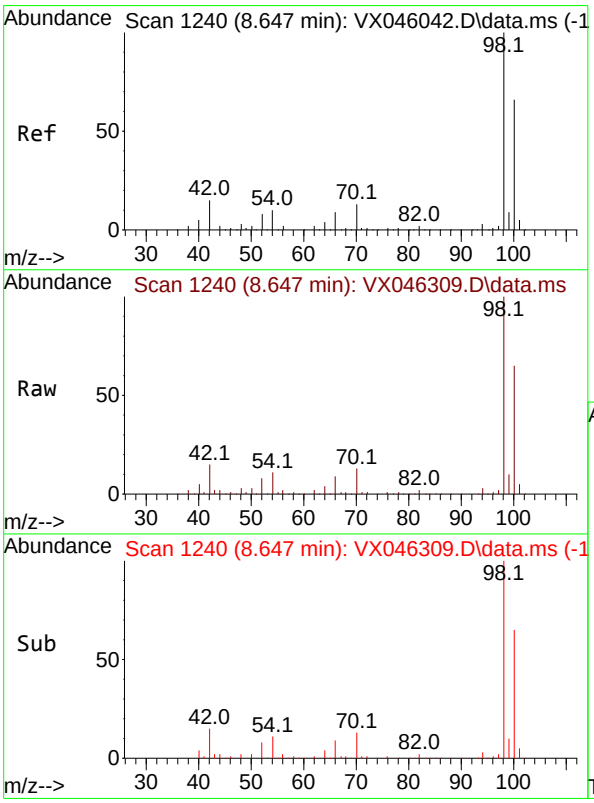
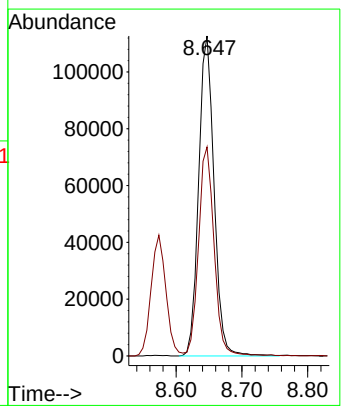


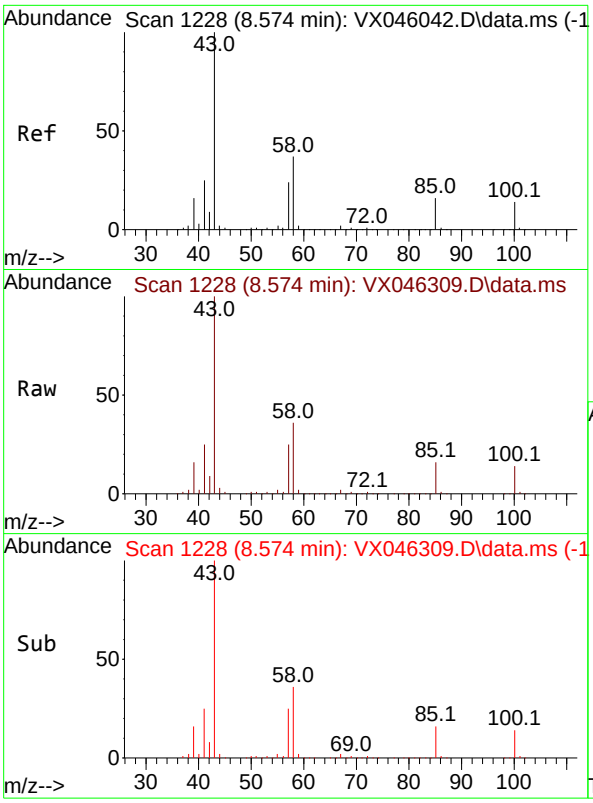


#50
Toluene-d8
Concen: 51.458 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 98 Resp: 183231

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.5	80.3

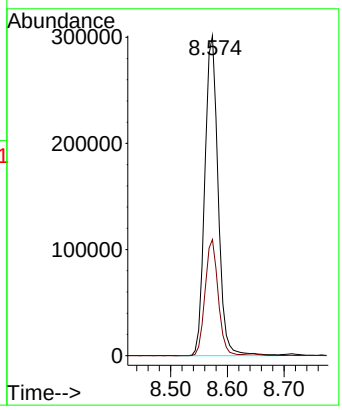




#51
4-Methyl-2-Pentanone
Concen: 284.246 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 43 Resp: 49158

Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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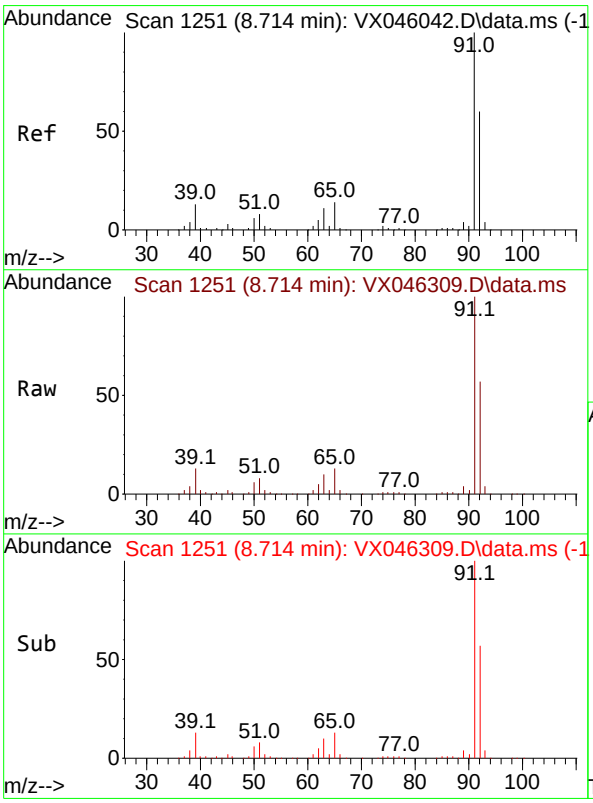
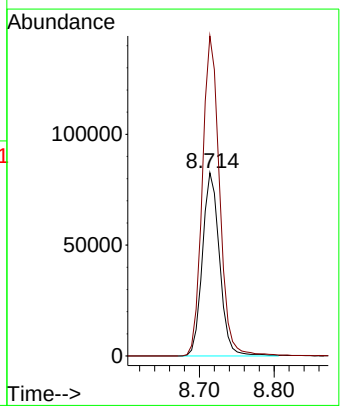
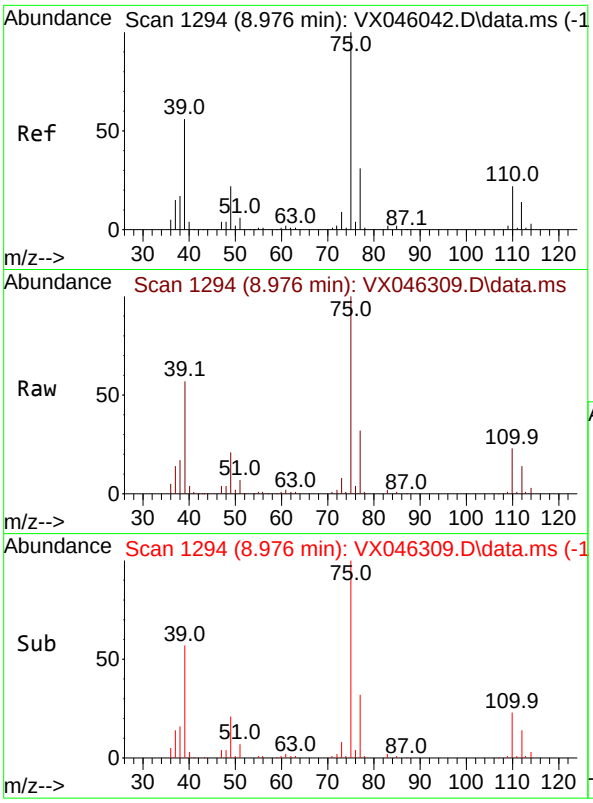


#52
Toluene
Concen: 53.018 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 92 Resp: 131628

Ion	Ratio	Lower	Upper
92	100		
91	175.7	136.6	205.0

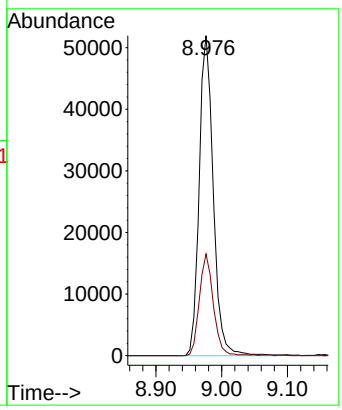




#53
t-1,3-Dichloropropene
Concen: 55.500 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 75 Resp: 7715

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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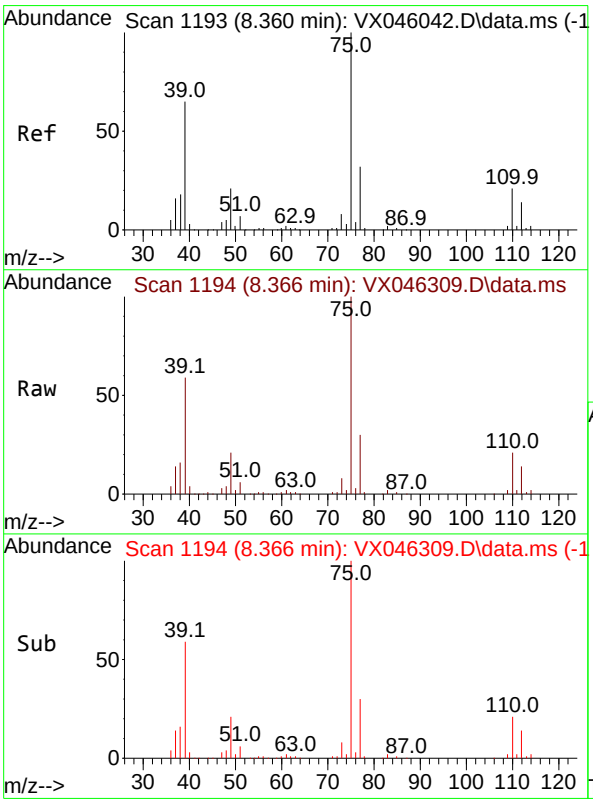
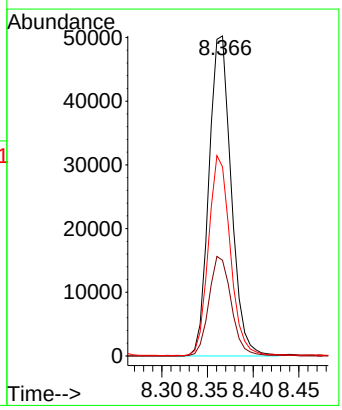
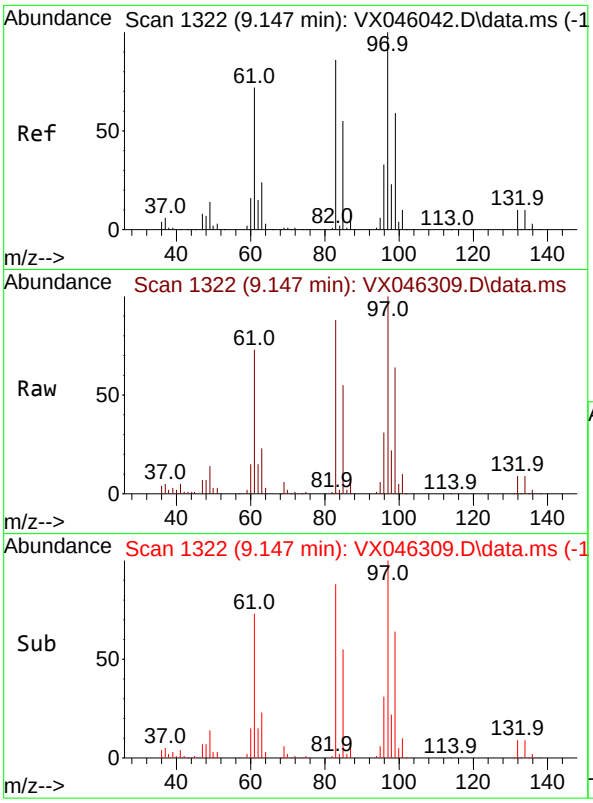


#54
cis-1,3-Dichloropropene
Concen: 55.300 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 75 Resp: 84964

Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.4	38.0
39	58.9	52.2	78.4

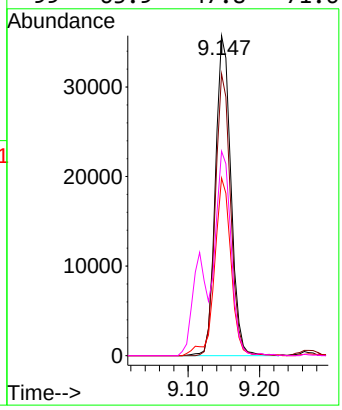




#55
1,1,2-Trichloroethane
Concen: 54.873 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 97 Resp: 5371

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.0	103.6
85	55.5	44.3	66.5
99	63.9	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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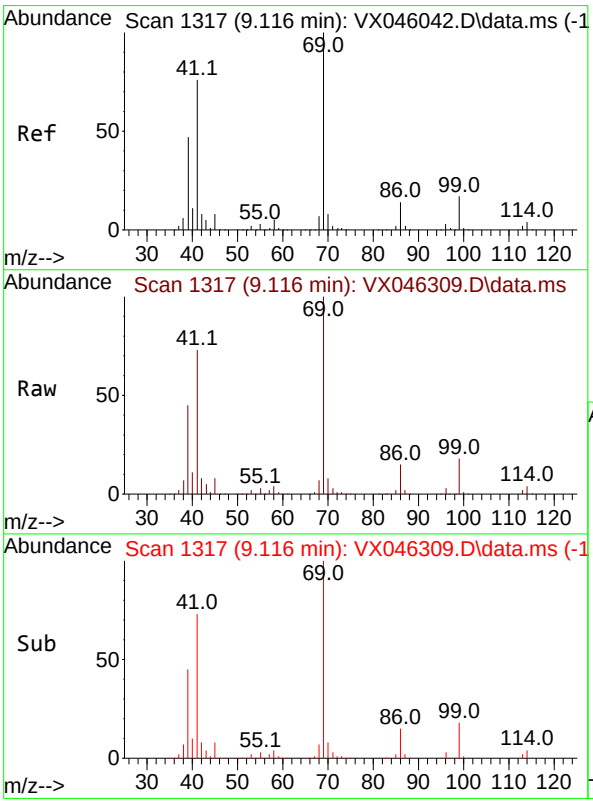
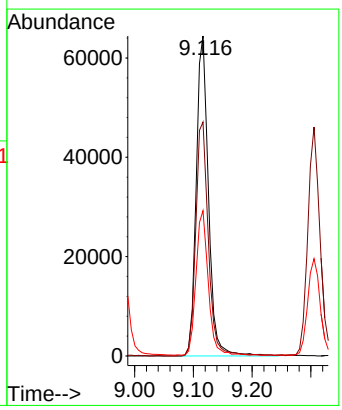
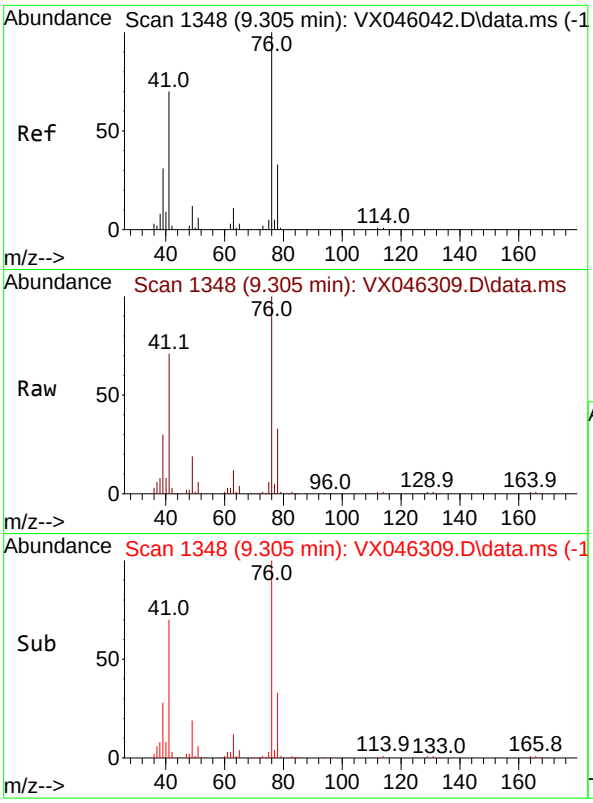


#56
Ethyl methacrylate
Concen: 59.733 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 69 Resp: 93196

Ion	Ratio	Lower	Upper
69	100		
41	75.8	60.8	91.2
39	45.6	39.0	58.6

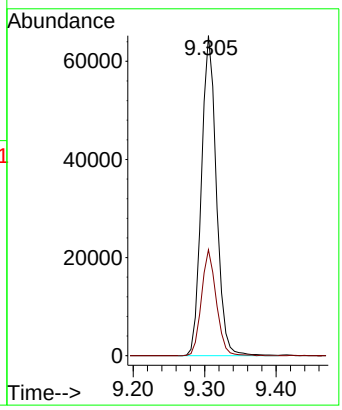




#57
1,3-Dichloropropane
Concen: 53.891 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 76 Resp: 9474

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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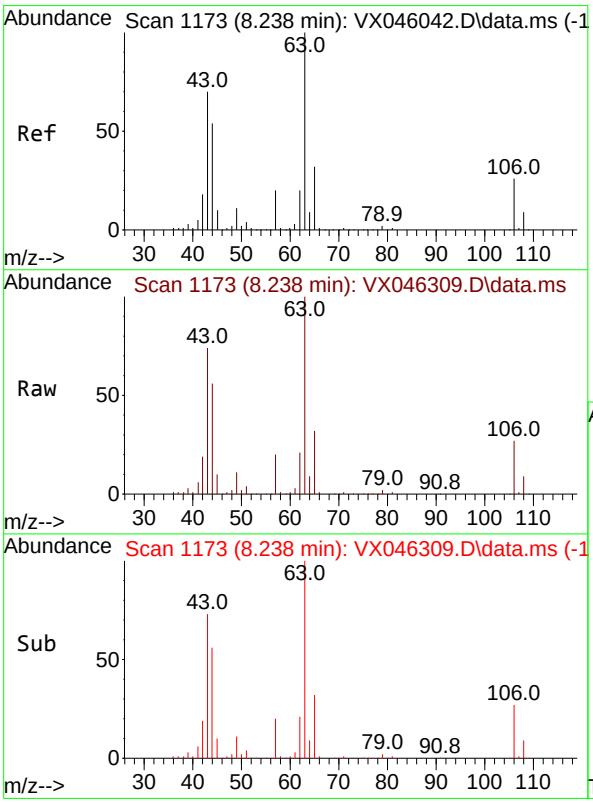
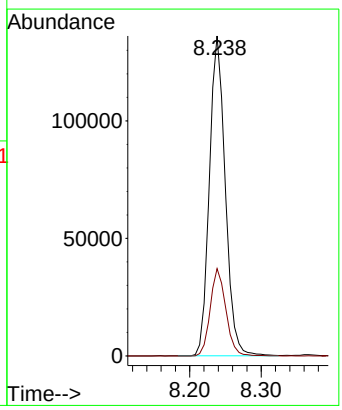
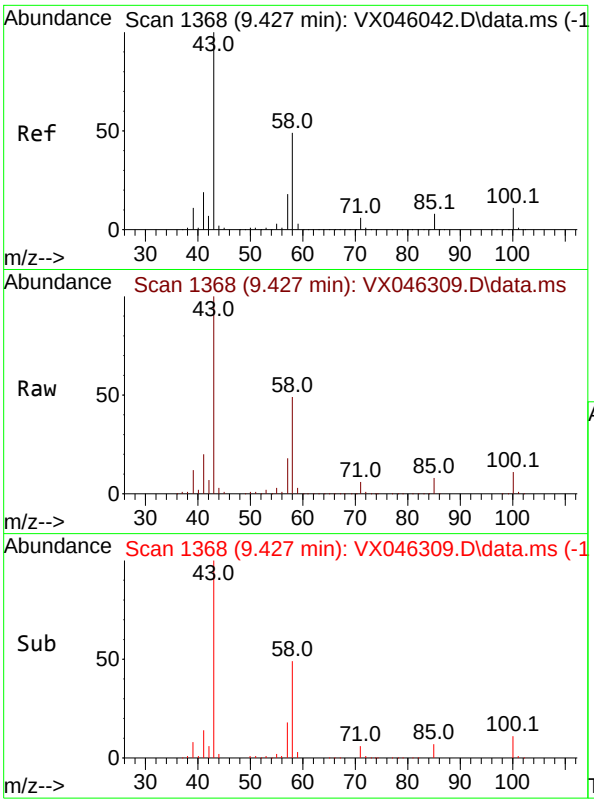


#58
2-Chloroethyl Vinyl ether
Concen: 263.968 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 63 Resp: 209966

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.5	32.3





#59
2-Hexanone
Concen: 284.811 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 43 Resp: 36441

Ion	Ratio	Lower	Upper
43	100		
58	49.7	24.9	74.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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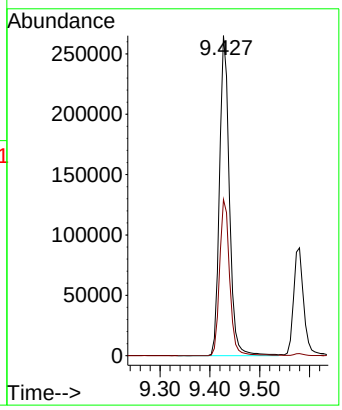
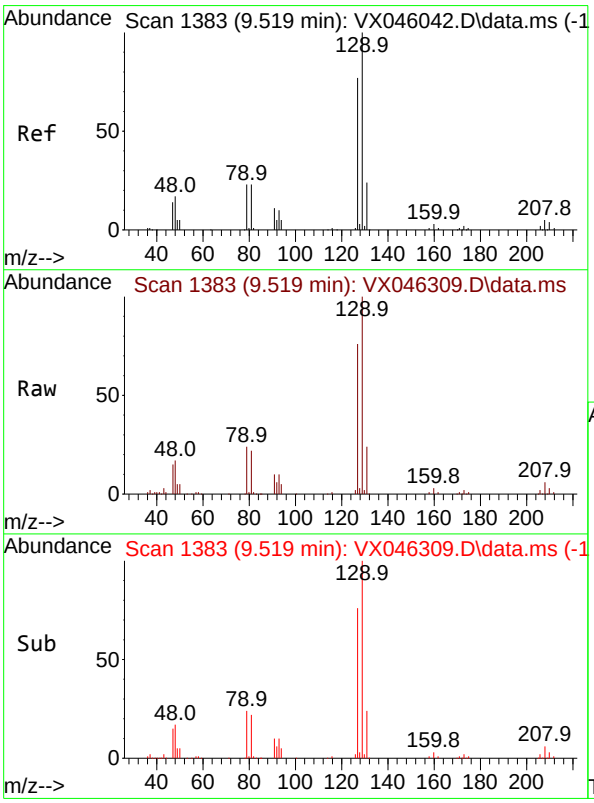
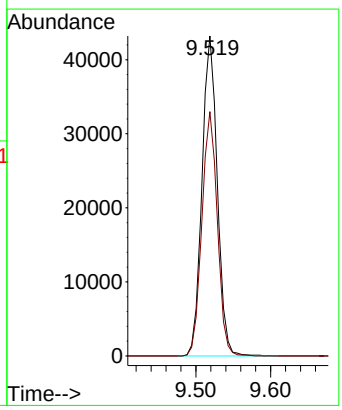


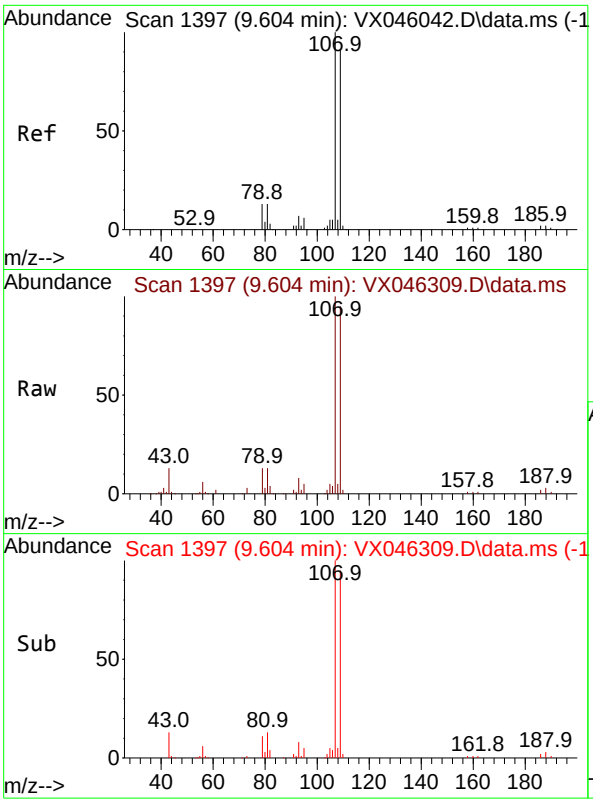


#60
Dibromochloromethane
Concen: 57.039 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:129 Resp: 61323

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.3	117.8

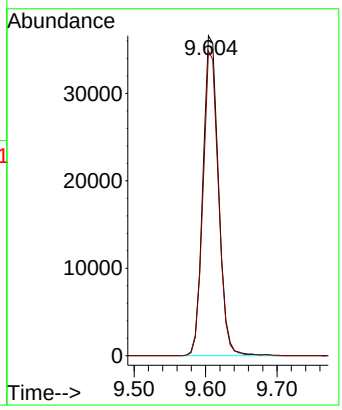




#61
1,2-Dibromoethane
Concen: 54.430 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:107 Resp: 5538

Ion	Ratio	Lower	Upper
107	100		
109	94.4	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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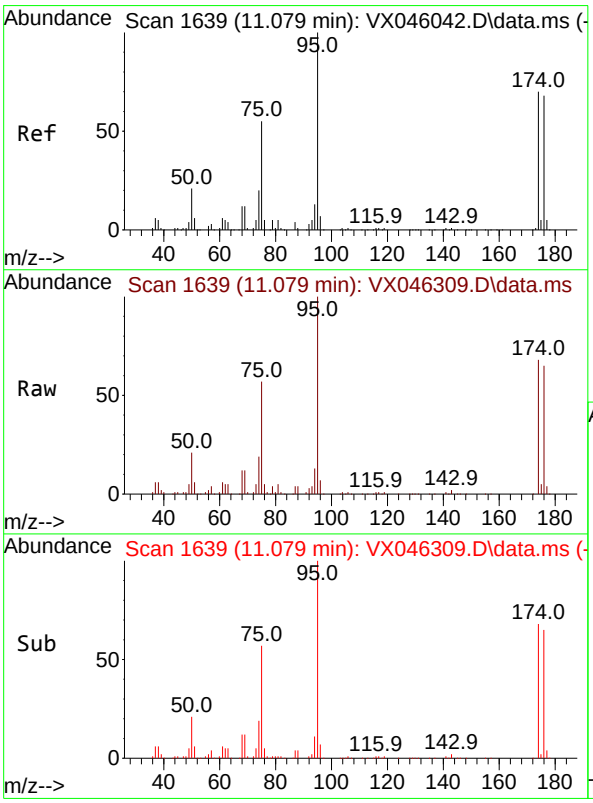
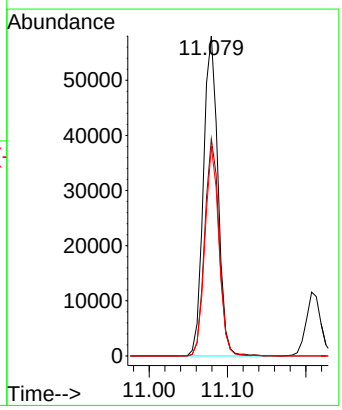
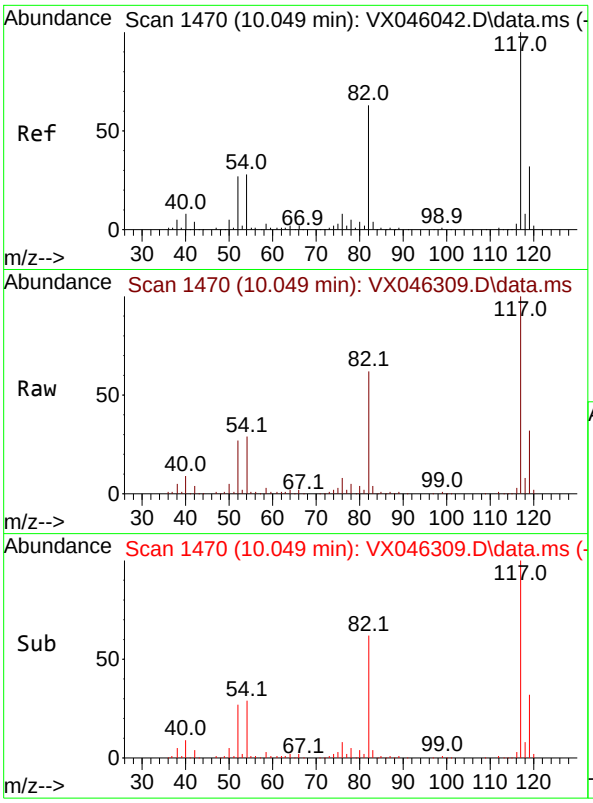


#62
4-Bromofluorobenzene
Concen: 54.746 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 95 Resp: 74777

Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	135.8
176	63.0	0.0	131.4

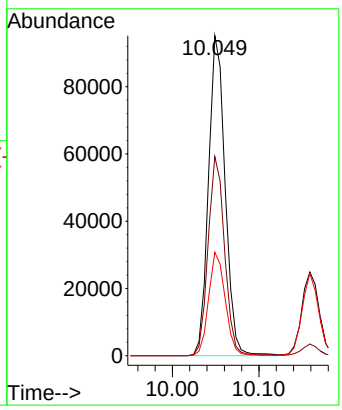




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:117 Resp: 12718

Ion	Ratio	Lower	Upper
117	100		
82	62.2	50.6	76.0
119	32.3	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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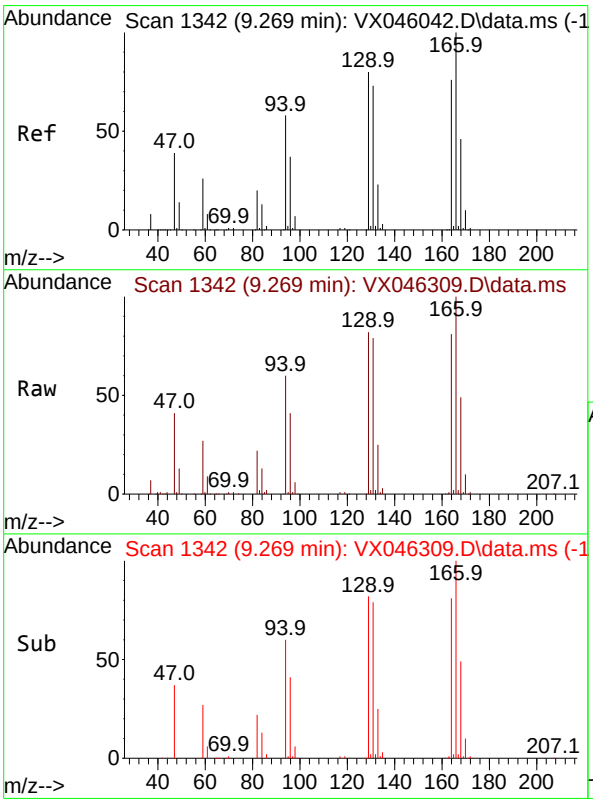
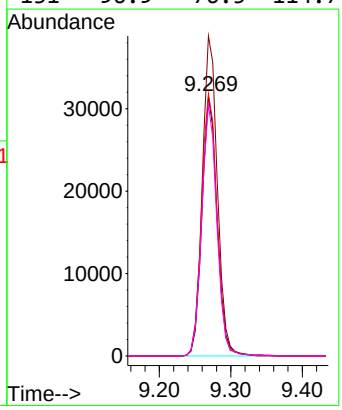
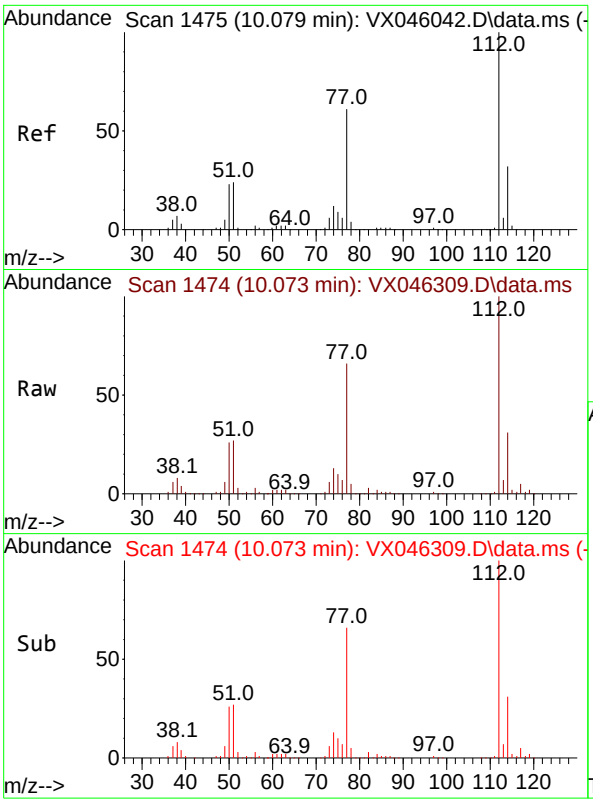


#64
Tetrachloroethene
Concen: 51.541 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:164 Resp: 46379

Ion	Ratio	Lower	Upper
164	100		
166	123.2	105.0	157.6
129	100.9	83.5	125.3
131	96.9	76.5	114.7





#65
Chlorobenzene
Concen: 51.899 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:112 Resp: 14447

Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.4	38.2

Instrument :
MSVOA_X
ClientSampleId :
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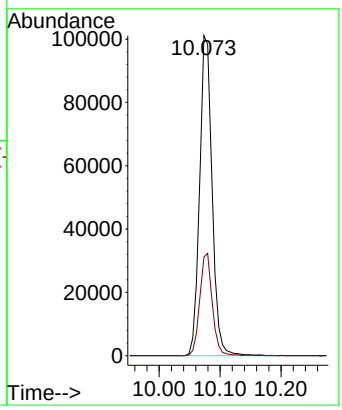
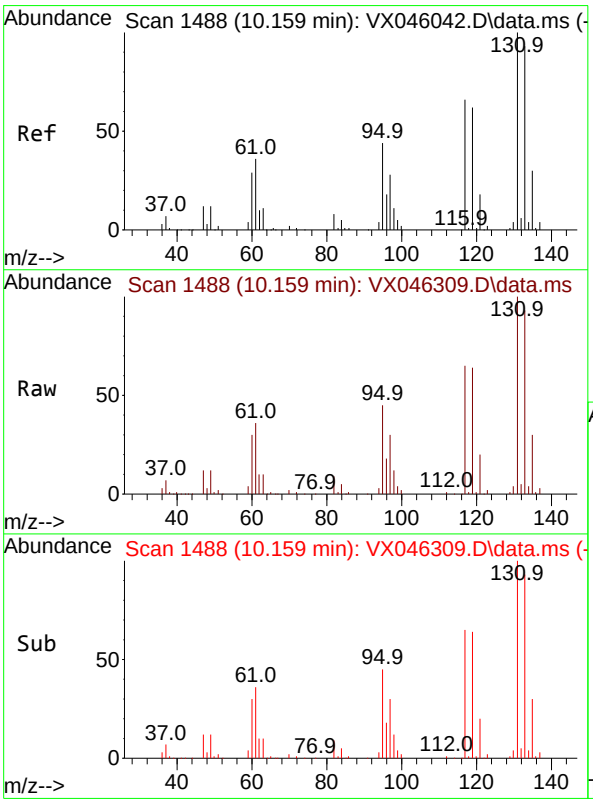
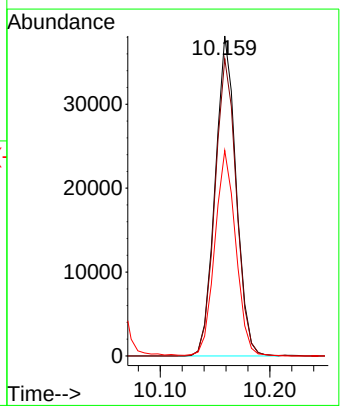


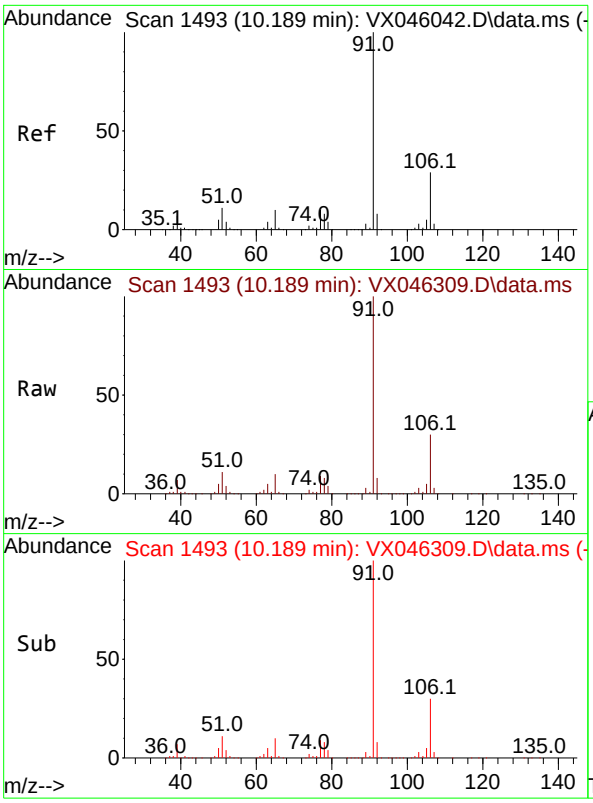


#66
1,1,1,2-Tetrachloroethane
Concen: 53.383 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:131 Resp: 50742

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	141.9
119	64.2	31.6	95.0





#67
Ethyl Benzene
Concen: 54.383 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 91 Resp: 26684

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.4	35.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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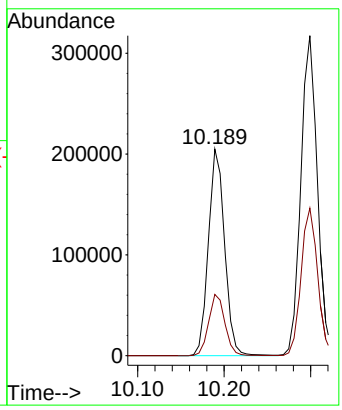
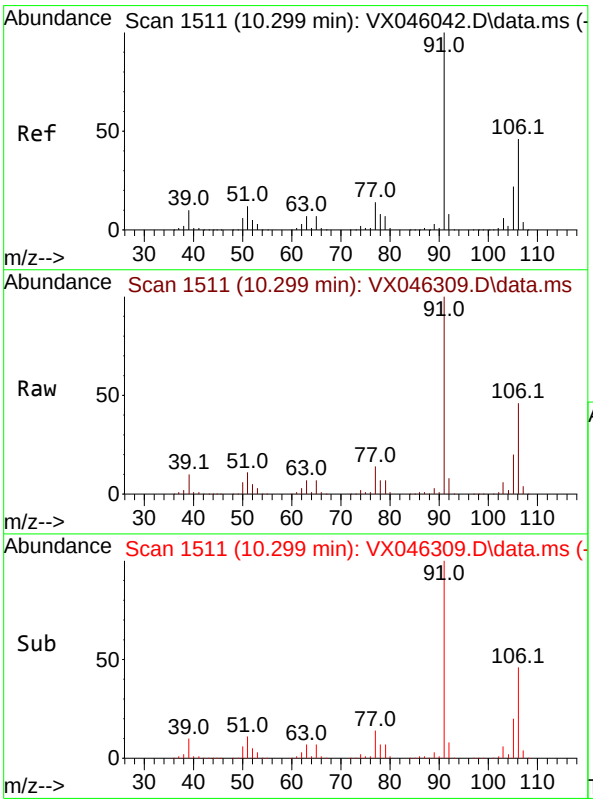
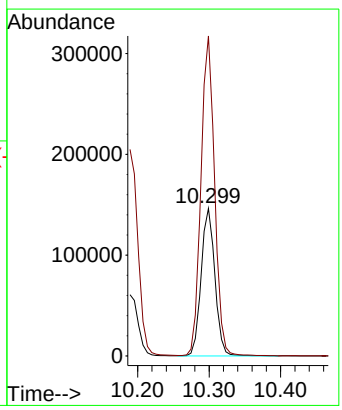


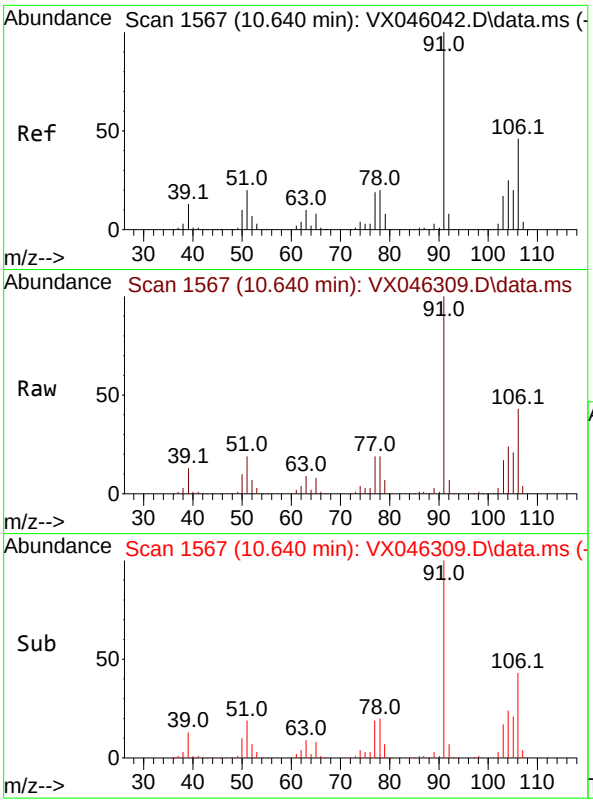


#68
m/p-Xylenes
Concen: 108.710 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:106 Resp: 195095

Ion	Ratio	Lower	Upper
106	100		
91	215.8	171.2	256.8

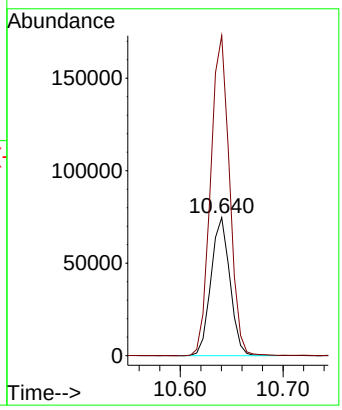




#69
o-Xylene
Concen: 54.714 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:106 Resp: 9572

Ion	Ratio	Lower	Upper
106	100		
91	231.2	112.7	338.1



Instrument :
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ClientSampleId :
VSTDCCC050EC

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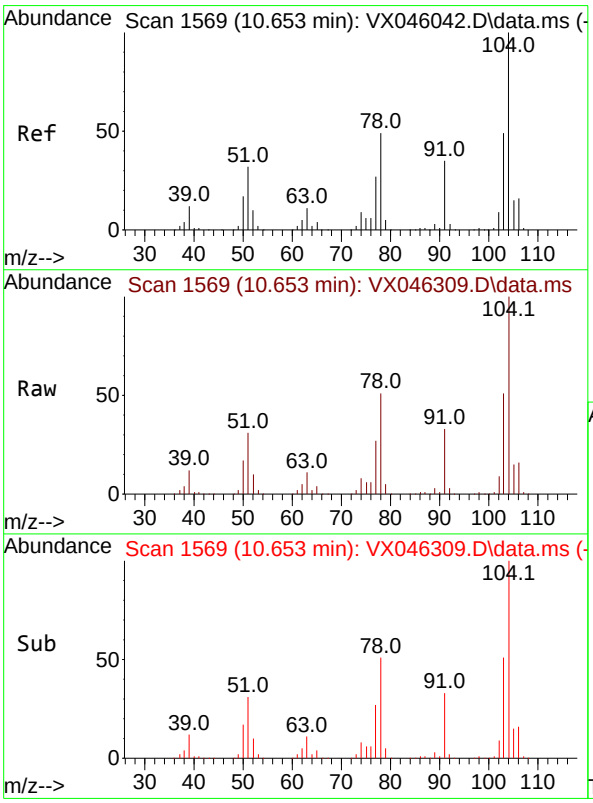
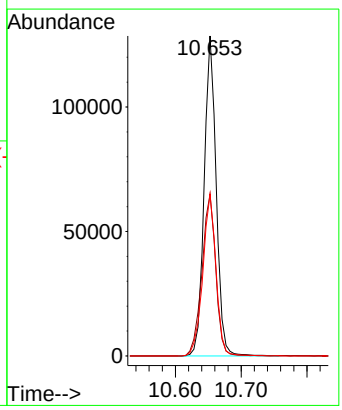
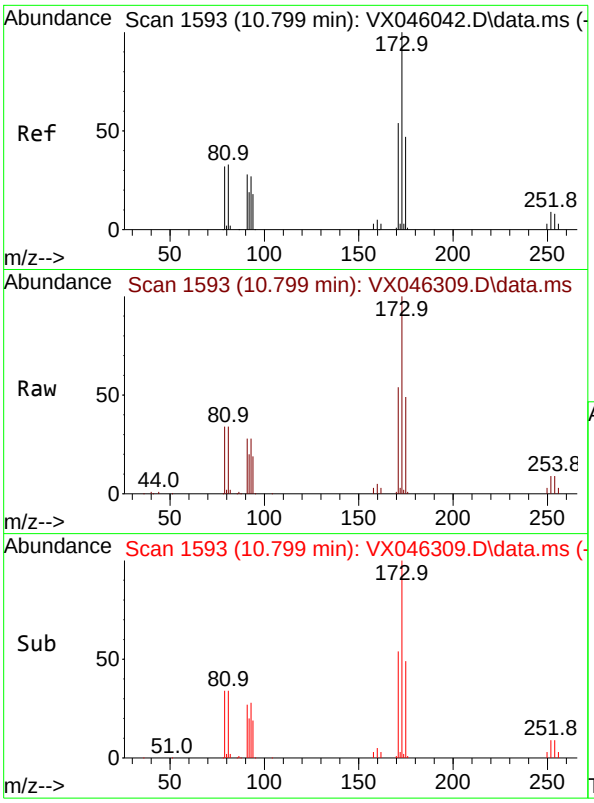


#70
Styrene
Concen: 57.165 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:104 Resp: 163839

Ion	Ratio	Lower	Upper
104	100		
78	58.1	45.7	68.5
103	55.6	43.7	65.5

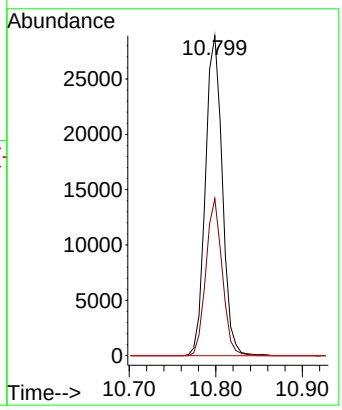




#71
Bromoform
Concen: 54.834 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:173 Resp: 3913

Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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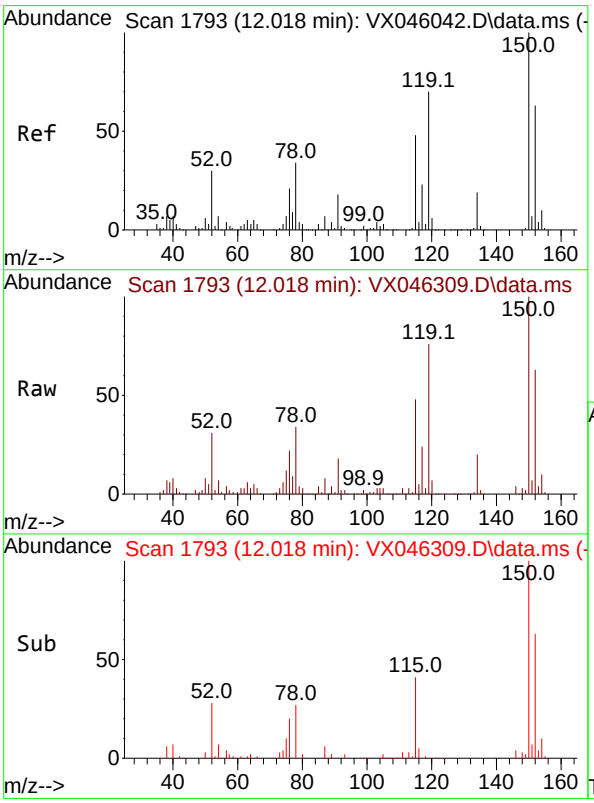
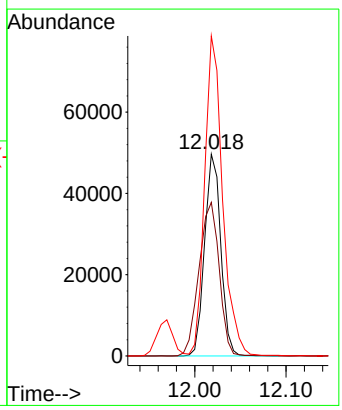
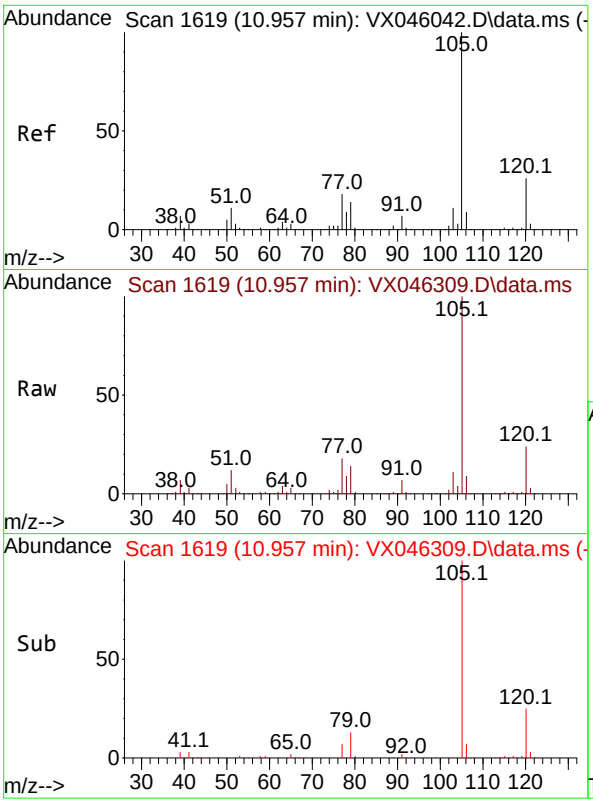


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:152 Resp: 60906

Ion	Ratio	Lower	Upper
152	100		
115	95.5	46.9	140.7
150	176.1	0.0	351.0

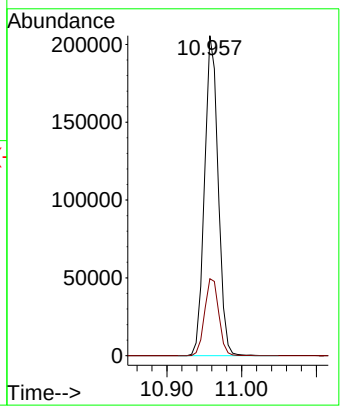




#73
Isopropylbenzene
Concen: 54.740 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:105 Resp: 25956

Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.8	38.4



Instrument :
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ClientSampleId :
VSTDCCC050EC

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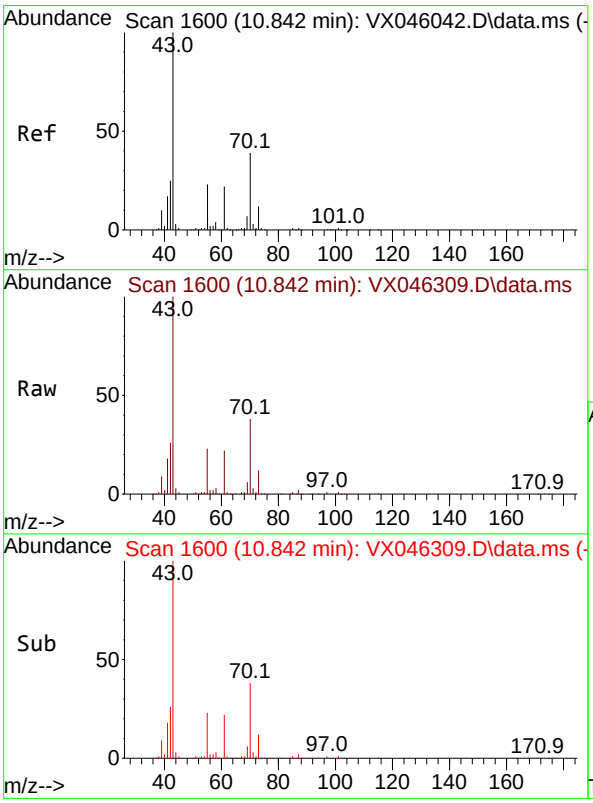
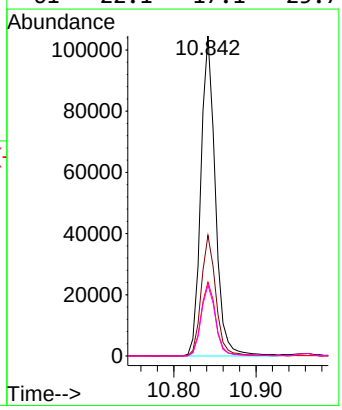
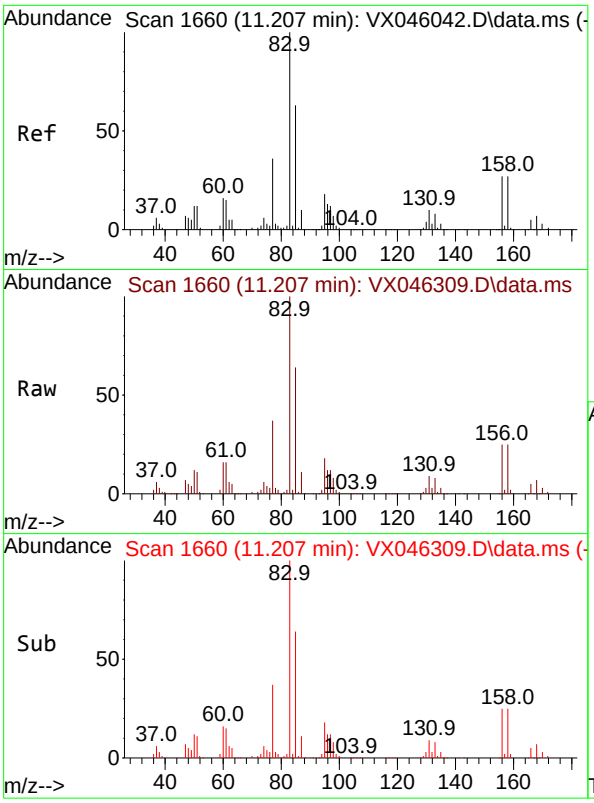


#74
N-amyl acetate
Concen: 54.704 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 43 Resp: 128177

Ion	Ratio	Lower	Upper
43	100		
70	38.1	30.9	46.3
55	23.3	18.7	28.1
61	22.1	17.1	25.7

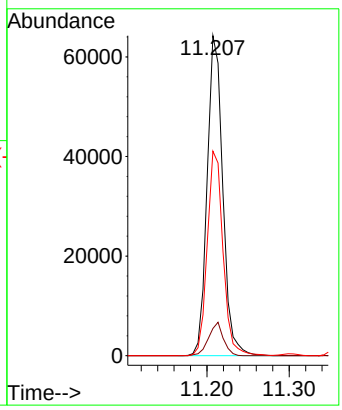




#75
1,1,2,2-Tetrachloroethane
Concen: 50.866 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 83 Resp: 8452

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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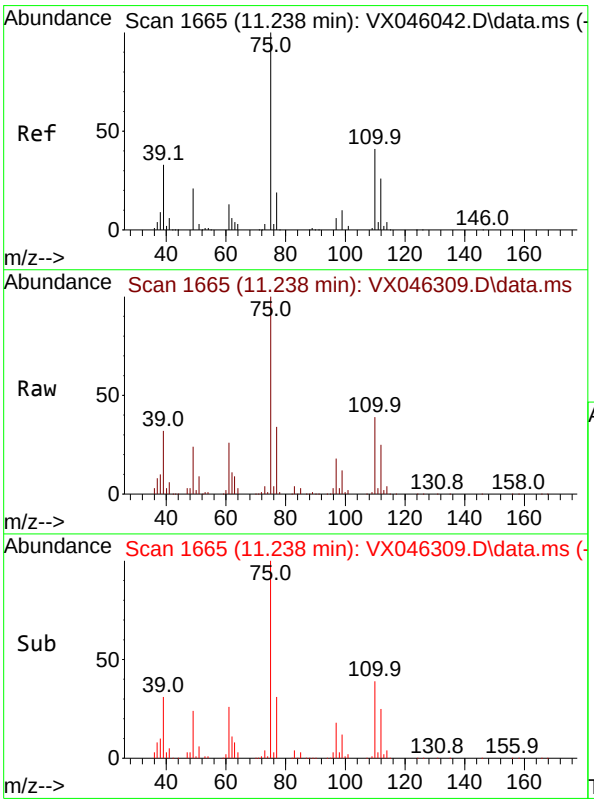
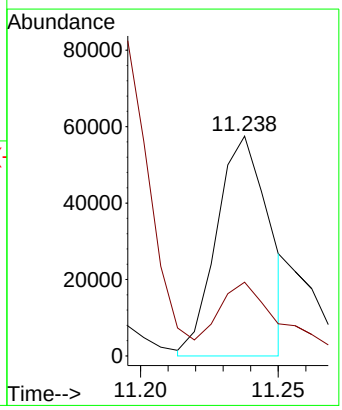
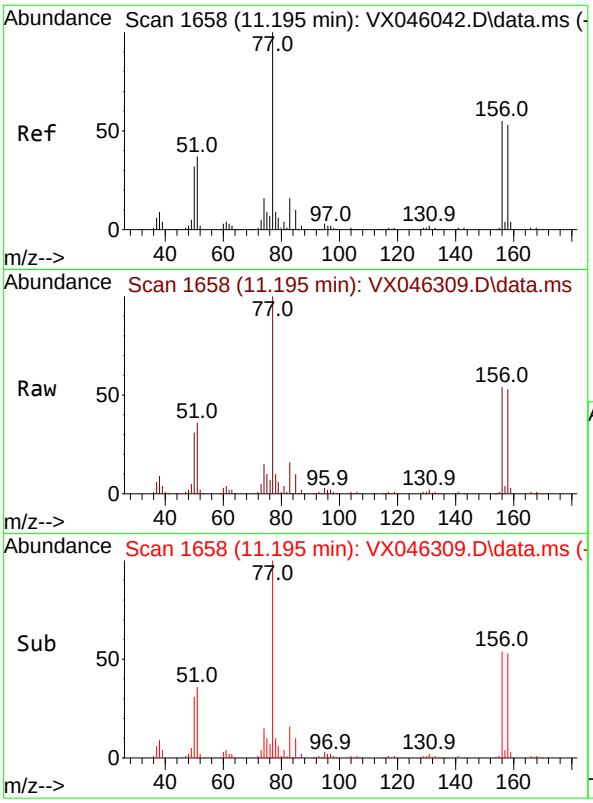


#76
1,2,3-Trichloropropane
Concen: 51.832 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 75 Resp: 75988

Ion	Ratio	Lower	Upper
75	100		
77	40.4	20.5	61.5

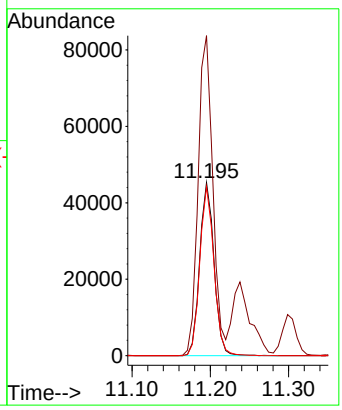




#77
Bromobenzene
Concen: 52.219 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:156 Resp: 5748

Ion	Ratio	Lower	Upper
156	100		
77	189.8	92.8	278.3
158	96.9	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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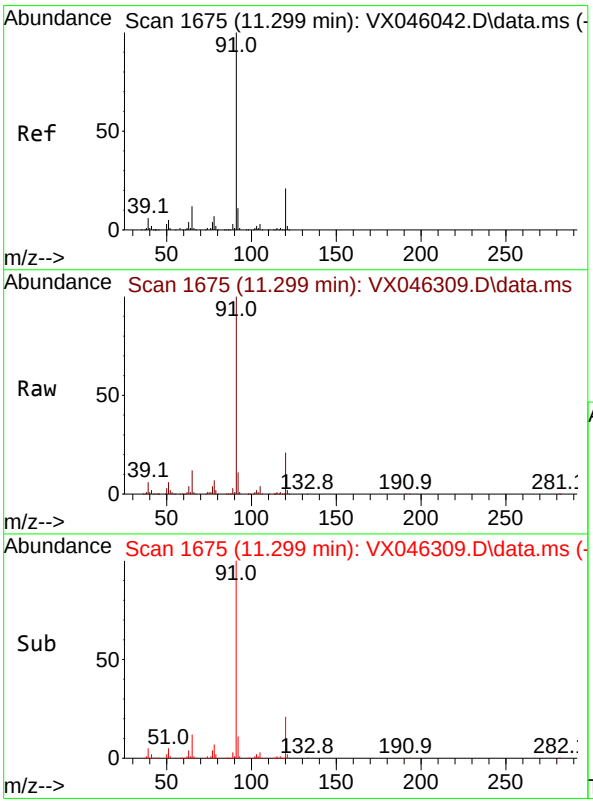
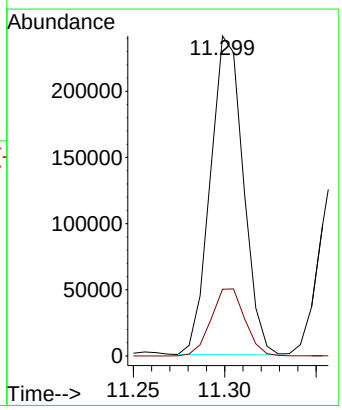
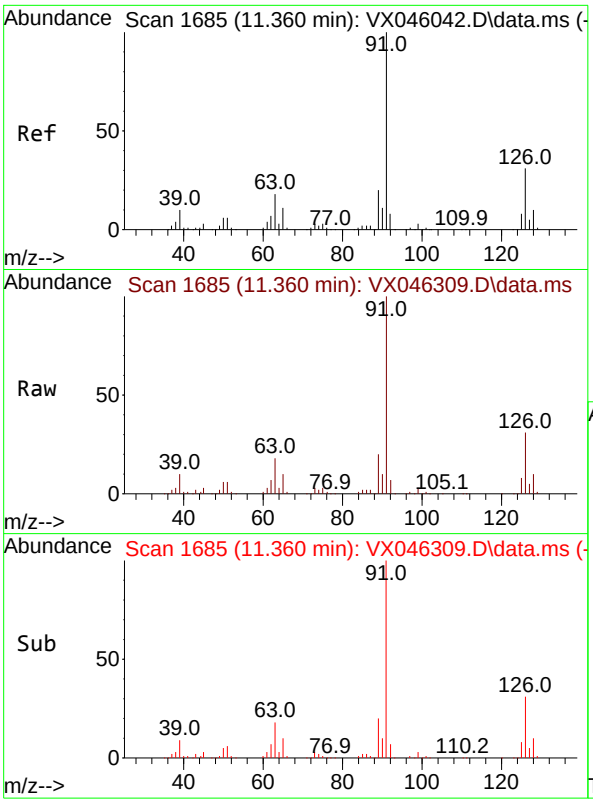


#78
n-propylbenzene
Concen: 54.831 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 91 Resp: 302304

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4





#79
2-Chlorotoluene
Concen: 53.228 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 91 Resp: 18928

Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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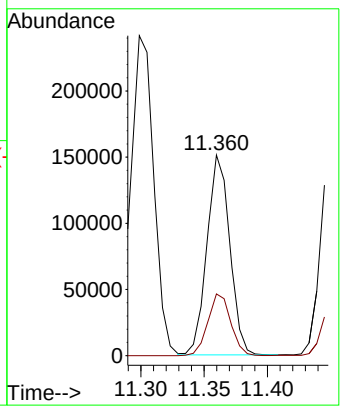
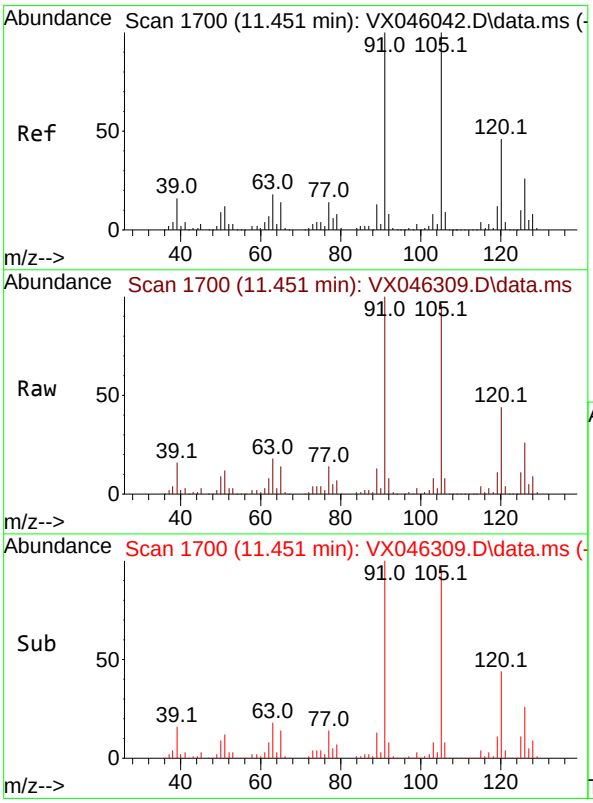
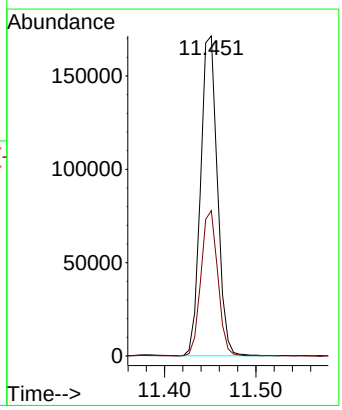


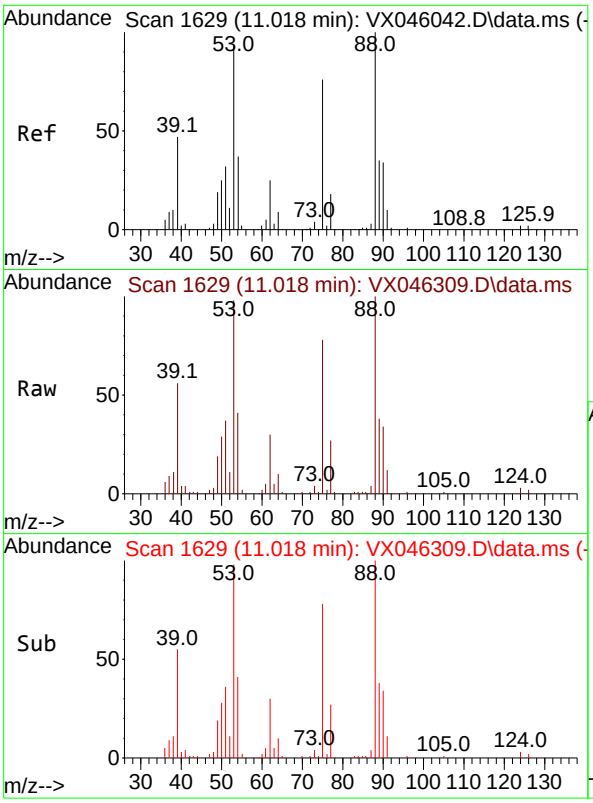


#80
1,3,5-Trimethylbenzene
Concen: 55.092 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:105 Resp: 218239

Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 50.109 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 75 Resp: 2256

Ion	Ratio	Lower	Upper
75	100		
53	129.4	100.5	150.7
89	46.4	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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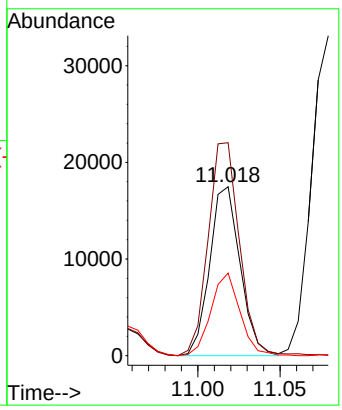
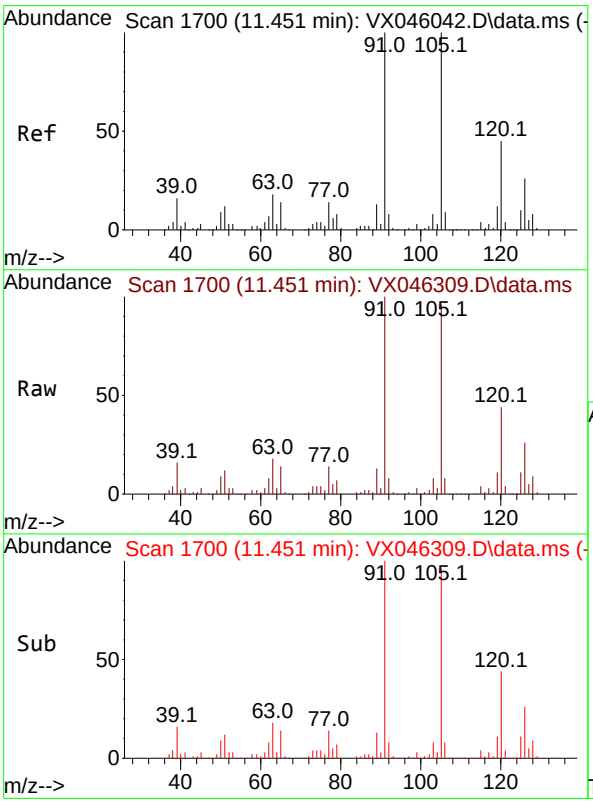
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

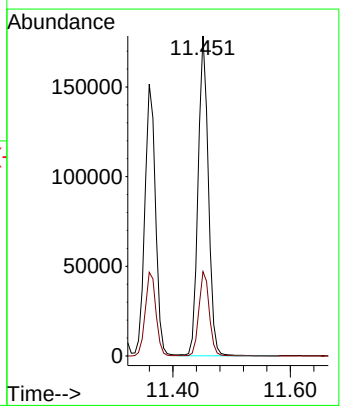


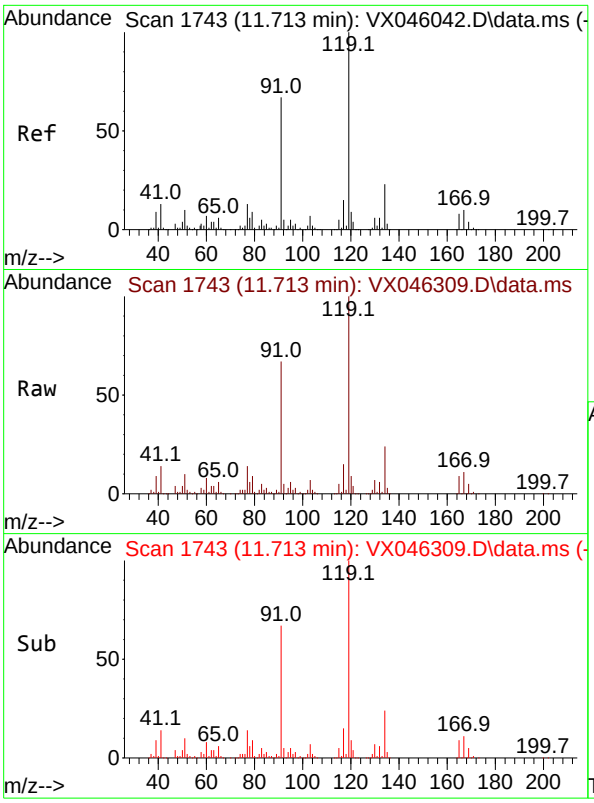


#82
4-Chlorotoluene
Concen: 54.831 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 91 Resp: 216234

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.8

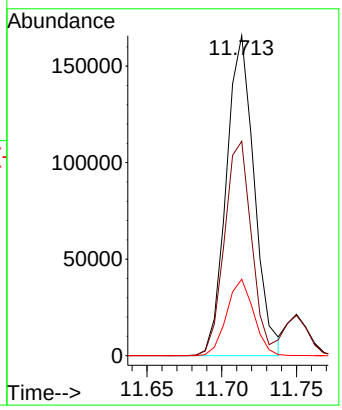




#83
tert-Butylbenzene
Concen: 54.002 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:119 Resp: 21547

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.9	98.7
134	23.1	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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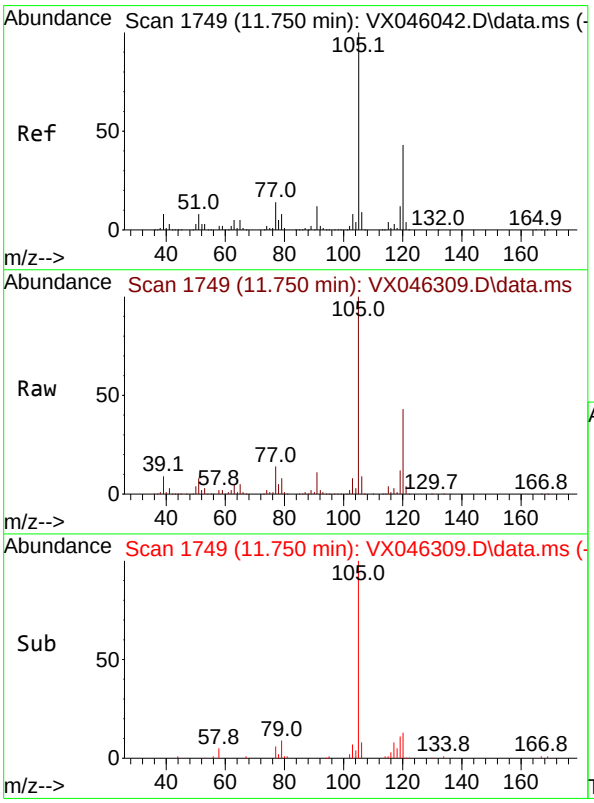
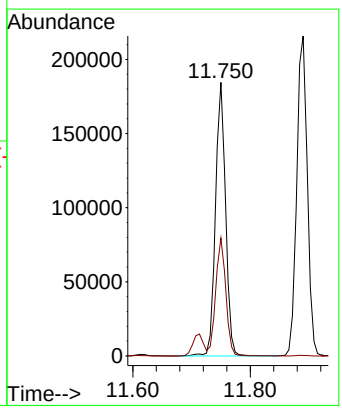
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

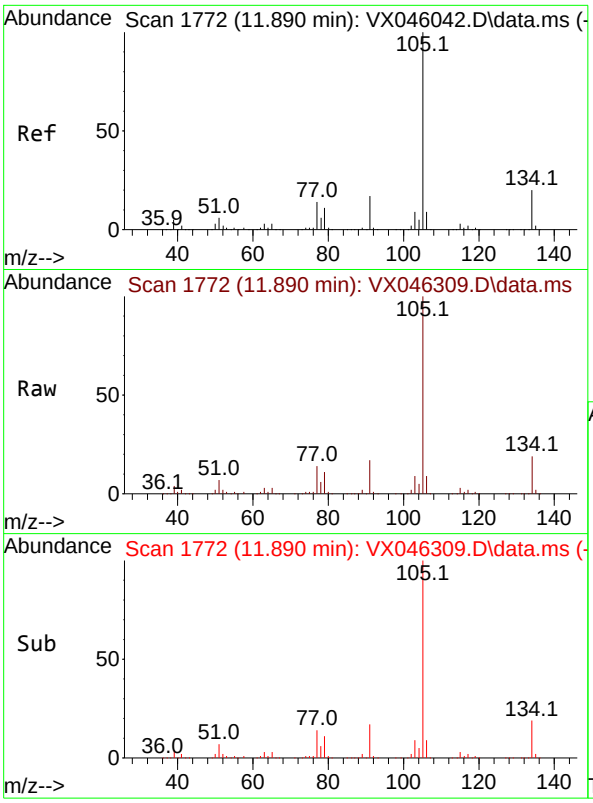


#84
1,2,4-Trimethylbenzene
Concen: 54.903 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:105 Resp: 220248

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.2	63.6

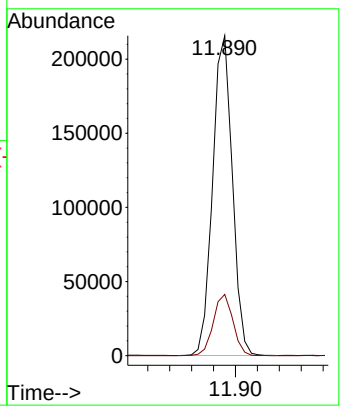




#85
sec-Butylbenzene
Concen: 54.961 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:105 Resp: 26927

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 05/22/2025
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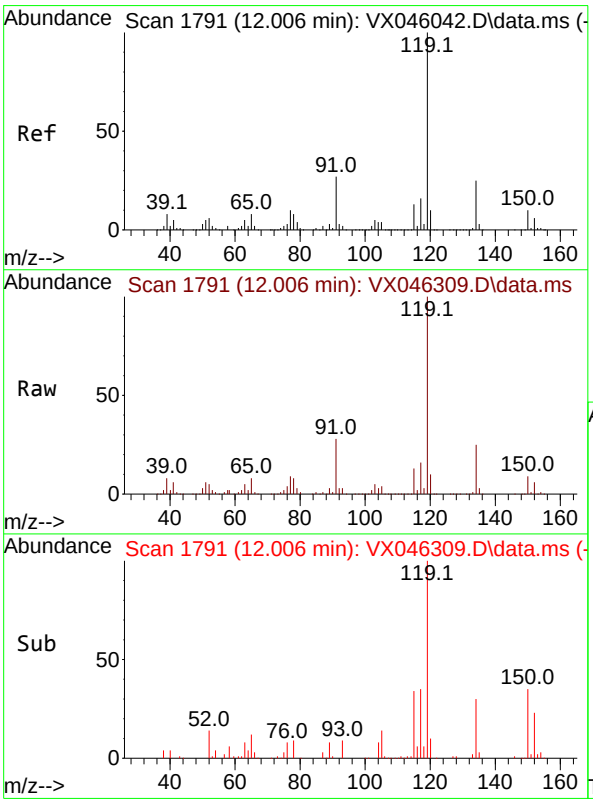
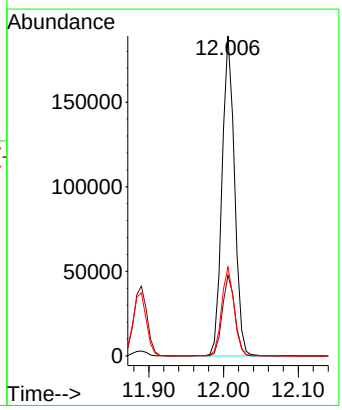
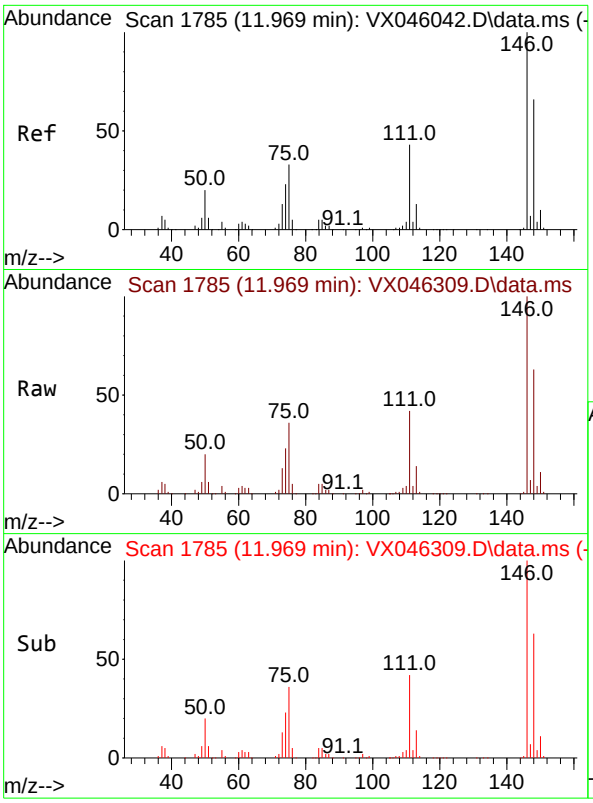


#86
p-Isopropyltoluene
Concen: 54.530 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:119 Resp: 220520

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.5	37.5
91	27.8	13.8	41.4

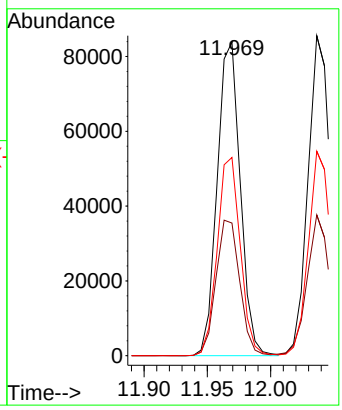




#87
1,3-Dichlorobenzene
Concen: 52.860 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:146 Resp: 10620

Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.1	66.3
148	63.3	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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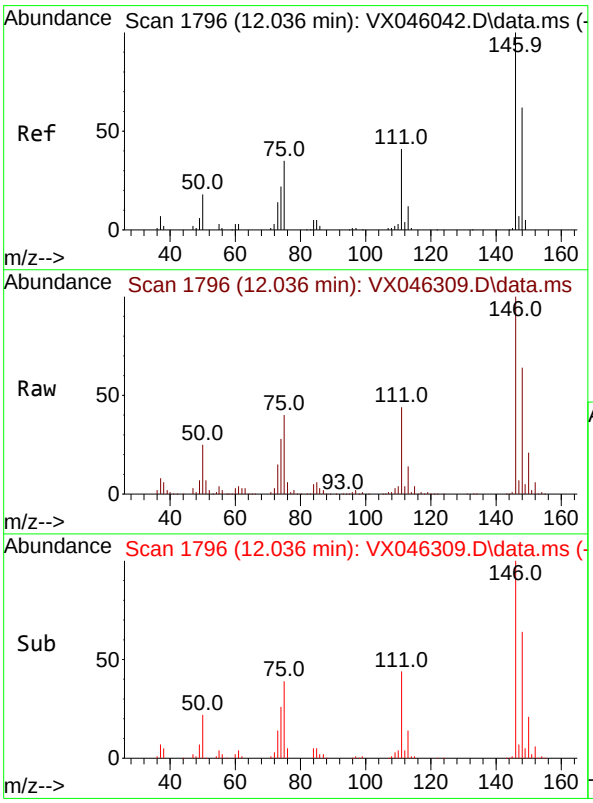
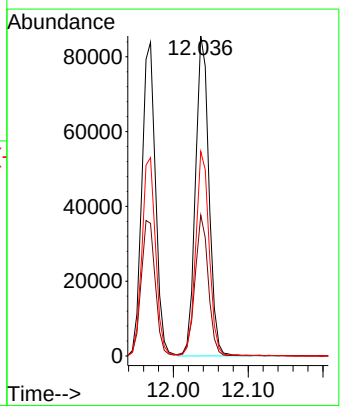
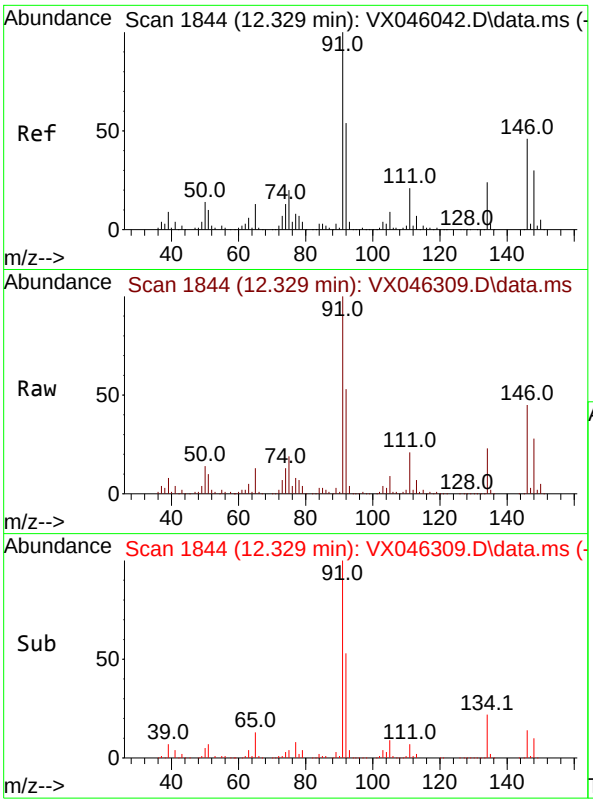


#88
1,4-Dichlorobenzene
Concen: 52.158 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:146 Resp: 107019

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	63.5	31.9	95.5

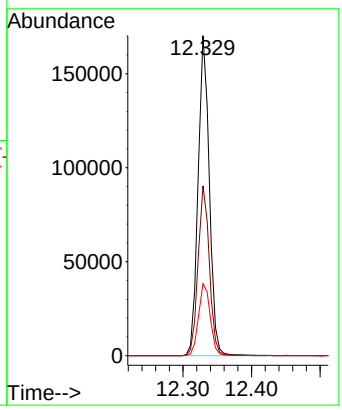




#89
n-Butylbenzene
Concen: 54.886 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 91 Resp: 19469

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.9	80.7
134	23.5	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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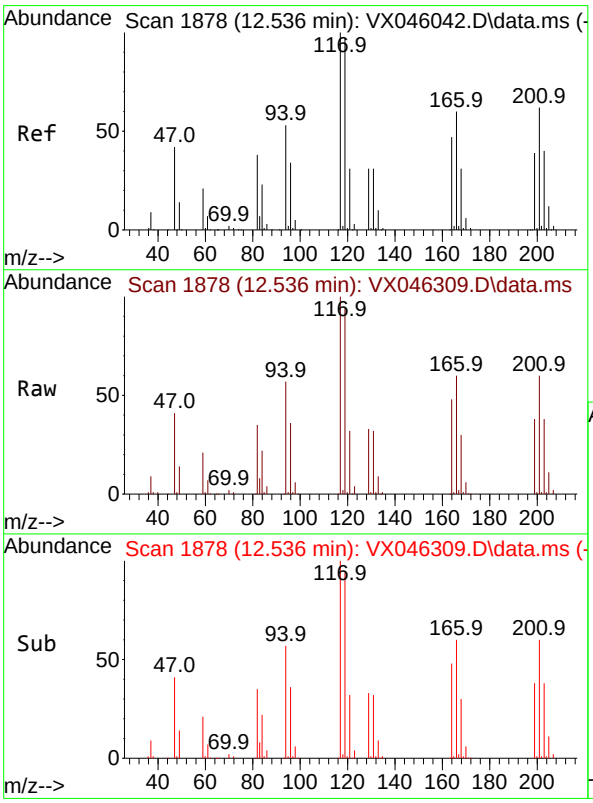
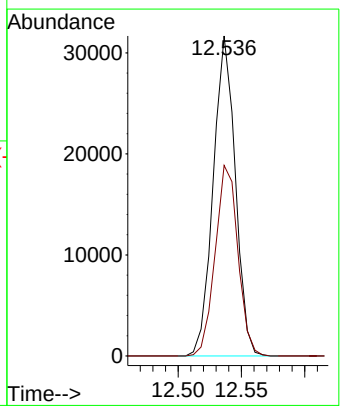
Supervised By :Mahesh Dadoda 05/22/2025

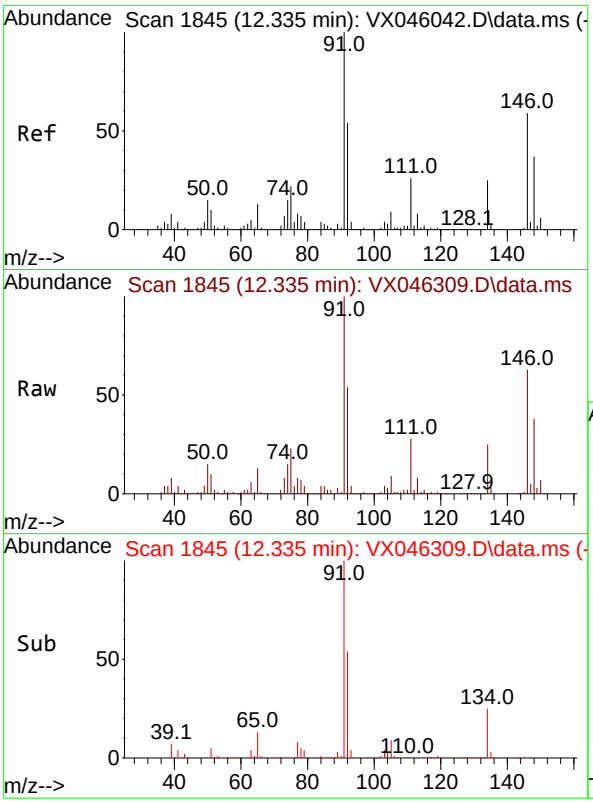


#90
Hexachloroethane
Concen: 53.906 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:117 Resp: 38406

Ion	Ratio	Lower	Upper
117	100		
201	61.4	31.6	94.7

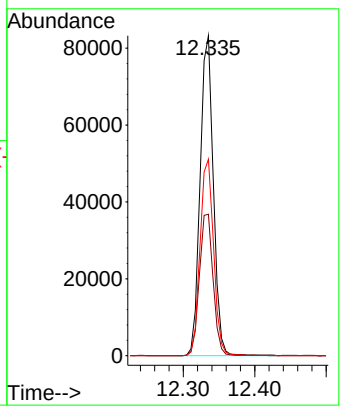




#91
1,2-Dichlorobenzene
Concen: 53.032 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:146 Resp: 10691

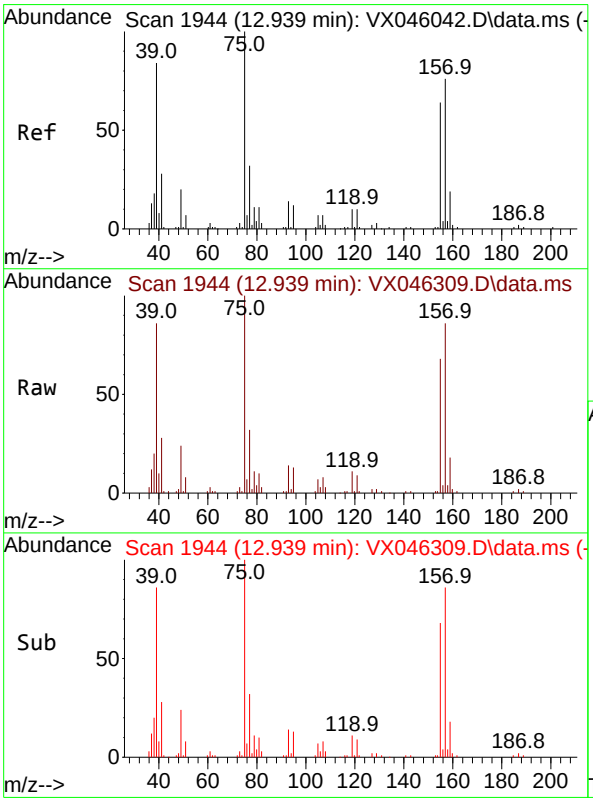
Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.4	67.3
148	62.9	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

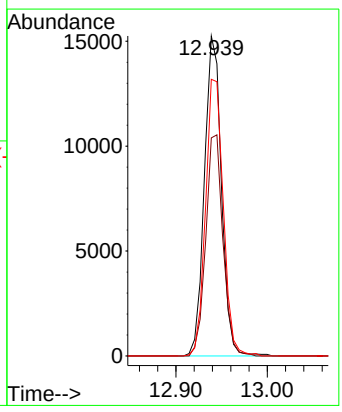
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

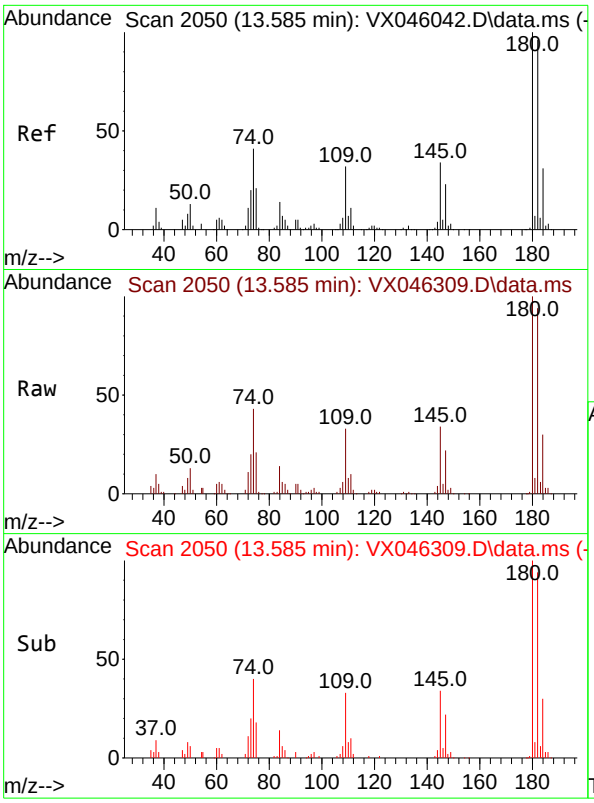


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.508 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 75 Resp: 19697

Ion	Ratio	Lower	Upper
75	100		
155	70.0	34.9	104.8
157	89.8	43.8	131.4

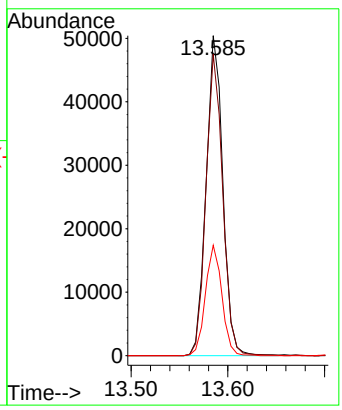




#93
1,2,4-Trichlorobenzene
Concen: 52.451 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:180 Resp: 6073

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.8
145	34.1	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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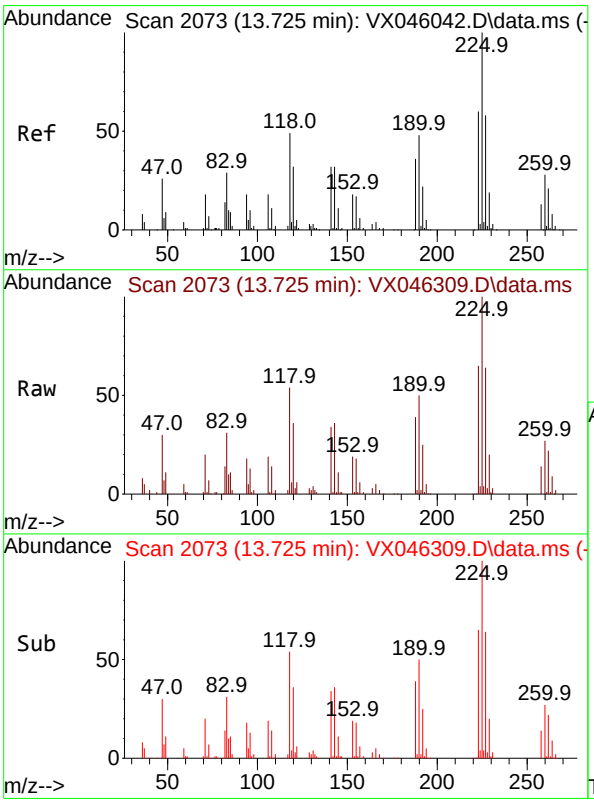
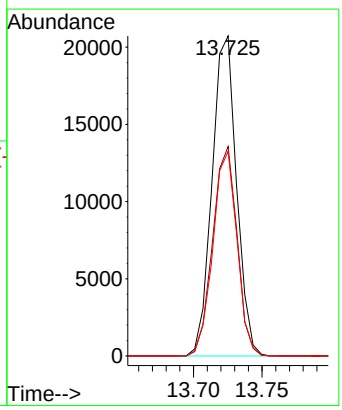
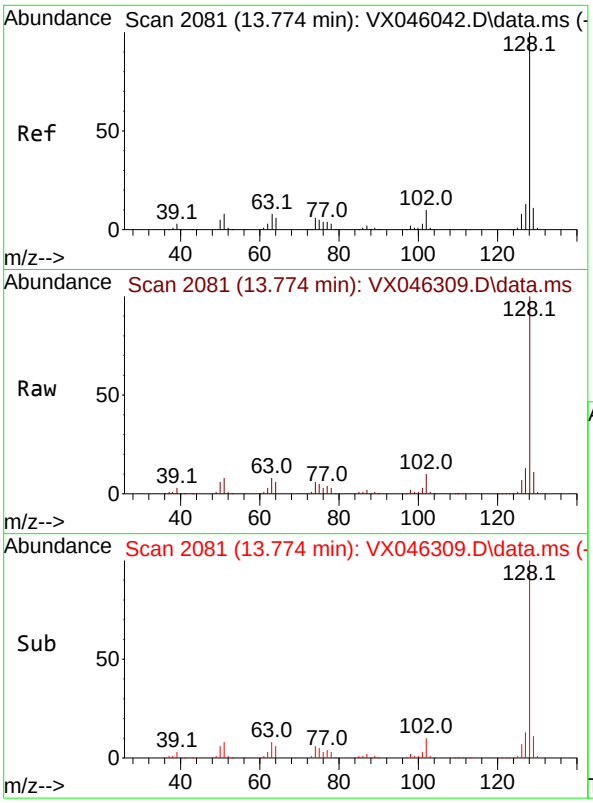


#94
Hexachlorobutadiene
Concen: 50.873 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:225 Resp: 25728

Ion	Ratio	Lower	Upper
225	100		
223	65.0	30.8	92.4
227	63.0	30.9	92.7

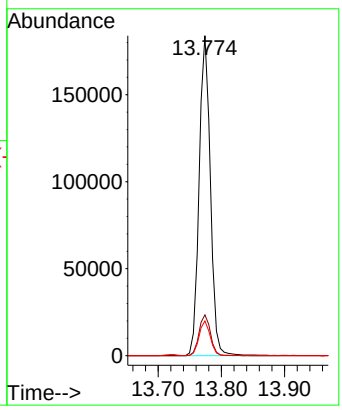




#95
Naphthalene
Concen: 53.556 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:128 Resp: 22745

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

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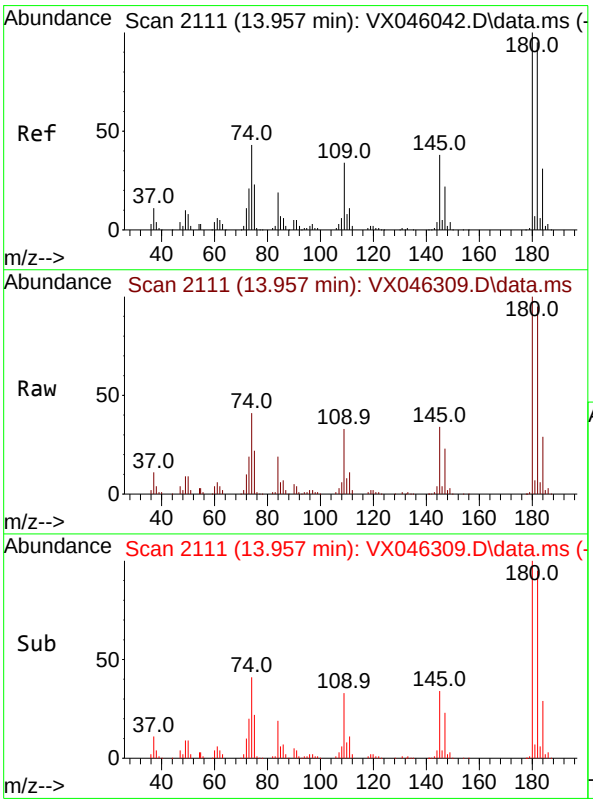
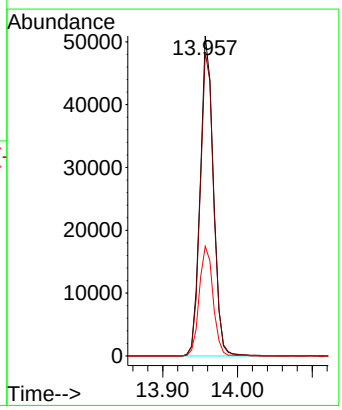


#96
1,2,3-Trichlorobenzene
Concen: 52.106 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:180 Resp: 62257

Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.8	143.3
145	36.0	18.1	54.3



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Data File : VX046309.D
Acq On : 21 May 2025 19:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:56:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	83	0.00
2	T	Dichlorodifluoromethane	0.765	0.783	-2.4	75	0.00
3	P	Chloromethane	0.742	0.769	-3.6	82	0.00
4	C	Vinyl Chloride	0.691	0.691	0.0	81	0.00
5	T	Bromomethane	0.320	0.326	-1.9	83	0.00
6	T	Chloroethane	0.369	0.402	-8.9	88	0.00
7	T	Trichlorofluoromethane	1.021	1.087	-6.5	84	0.00
8	T	Diethyl Ether	0.347	0.358	-3.2	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.632	0.646	-2.2	83	0.00
10	T	Methyl Iodide	0.747	0.772	-3.3	79	0.00
11	T	Tert butyl alcohol	0.131	0.143	-9.2	92	0.00
12	CM	1,1-Dichloroethene	0.593	0.609	-2.7#	84	0.00
13	T	Acrolein	0.149	0.181	-21.5	98	0.00
14	T	Allyl chloride	1.133	1.246	-10.0	87	0.00
15	T	Acrylonitrile	0.374	0.409	-9.4	87	0.00
16	T	Acetone	0.374	0.392	-4.8	90	0.00
17	T	Carbon Disulfide	1.406	1.379	1.9	78	0.00
18	T	Methyl Acetate	0.867	1.079	-24.5	105	0.00
19	T	Methyl tert-butyl Ether	2.079	2.290	-10.1	88	0.00
20	T	Methylene Chloride	0.716	0.707	1.3	85	0.00
21	T	trans-1,2-Dichloroethene	0.596	0.609	-2.2	83	0.00
22	T	Diisopropyl ether	2.189	2.444	-11.6	89	0.00
23	T	Vinyl Acetate	1.925	2.134	-10.9	86	0.00
24	P	1,1-Dichloroethane	1.219	1.336	-9.6	88	0.00
25	T	2-Butanone	0.543	0.605	-11.4	90	0.00
26	T	2,2-Dichloropropane	0.954	0.905	5.1	78	0.00
27	T	cis-1,2-Dichloroethene	0.718	0.772	-7.5	87	0.00
28	T	Bromochloromethane	0.587	0.596	-1.5	85	0.00
29	T	Tetrahydrofuran	0.340	0.380	-11.8	90	0.00
30	C	Chloroform	1.271	1.395	-9.8#	89	0.00
31	T	Cyclohexane	1.111	1.184	-6.6	87	0.00
32	T	1,1,1-Trichloroethane	1.101	1.195	-8.5	87	0.00
33	S	1,2-Dichloroethane-d4	0.932	0.965	-3.5	88	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	85	0.00
35	S	Dibromofluoromethane	0.360	0.378	-5.0	91	0.00
36	T	1,1-Dichloropropene	0.484	0.503	-3.9	86	0.00
37	T	Ethyl Acetate	0.598	0.643	-7.5	90	0.00
38	T	Carbon Tetrachloride	0.544	0.571	-5.0	87	0.00
39	T	Methylcyclohexane	0.623	0.636	-2.1	84	0.00
40	TM	Benzene	1.417	1.500	-5.9	87	0.00
41	T	Methacrylonitrile	0.313	0.361	-15.3	89	0.00
42	TM	1,2-Dichloroethane	0.612	0.652	-6.5	88	0.00
43	T	Isopropyl Acetate	0.912	1.027	-12.6	91	0.00
44	TM	Trichloroethene	0.341	0.361	-5.9	87	0.00
45	C	1,2-Dichloropropane	0.352	0.391	-11.1#	90	0.00
46	T	Dibromomethane	0.278	0.293	-5.4	87	0.00
47	T	Bromodichloromethane	0.547	0.608	-11.2	90	0.00
48	T	Methyl methacrylate	0.466	0.537	-15.2	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046309.D
Acq On : 21 May 2025 19:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:56:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	87	0.00
50	S	Toluene-d8	1.246	1.283	-3.0	89	0.00
51	T	4-Methyl-2-Pentanone	0.605	0.688	-13.7	92	0.00
52	CM	Toluene	0.869	0.921	-6.0#	87	0.00
53	T	t-1,3-Dichloropropene	0.487	0.540	-10.9	87	0.00
54	T	cis-1,3-Dichloropropene	0.538	0.595	-10.6	88	0.00
55	T	1,1,2-Trichloroethane	0.343	0.376	-9.6	90	0.00
56	T	Ethyl methacrylate	0.546	0.652	-19.4	93	0.00
57	T	1,3-Dichloropropane	0.615	0.663	-7.8	91	0.00
58	T	2-Chloroethyl Vinyl ether	0.278	0.294	-5.8	81	0.00
59	T	2-Hexanone	0.448	0.510	-13.8	92	0.00
60	T	Dibromochloromethane	0.376	0.429	-14.1	91	0.00
61	T	1,2-Dibromoethane	0.356	0.388	-9.0	88	0.00
62	S	4-Bromofluorobenzene	0.478	0.523	-9.4	95	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
64	T	Tetrachloroethene	0.354	0.365	-3.1	85	0.00
65	PM	Chlorobenzene	1.094	1.136	-3.8	90	0.00
66	T	1,1,1,2-Tetrachloroethane	0.374	0.399	-6.7	89	0.00
67	C	Ethyl Benzene	1.929	2.098	-8.8#	90	0.00
68	T	m/p-Xylenes	0.706	0.767	-8.6	90	0.00
69	T	o-Xylene	0.688	0.753	-9.4	90	0.00
70	T	Styrene	1.127	1.288	-14.3	92	0.00
71	P	Bromoform	0.281	0.308	-9.6	88	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
73	T	Isopropylbenzene	3.893	4.262	-9.5	92	0.00
74	T	N-amyl acetate	1.924	2.105	-9.4	91	0.00
75	P	1,1,2,2-Tetrachloroethane	1.364	1.388	-1.8	93	0.00
76	T	1,2,3-Trichloropropane	1.204	1.248	-3.7	94	0.00
77	T	Bromobenzene	0.904	0.944	-4.4	91	0.00
78	T	n-propylbenzene	4.526	4.963	-9.7	92	0.00
79	T	2-Chlorotoluene	2.919	3.108	-6.5	93	0.00
80	T	1,3,5-Trimethylbenzene	3.252	3.583	-10.2	92	0.00
81	T	trans-1,4-Dichloro-2-butene	0.370	0.370	0.0	86	0.00
82	T	4-Chlorotoluene	3.238	3.550	-9.6	93	0.00
83	T	tert-Butylbenzene	3.276	3.538	-8.0	92	0.00
84	T	1,2,4-Trimethylbenzene	3.293	3.616	-9.8	92	0.00
85	T	sec-Butylbenzene	4.022	4.421	-9.9	93	0.00
86	T	p-Isopropyltoluene	3.320	3.621	-9.1	91	0.00
87	T	1,3-Dichlorobenzene	1.649	1.744	-5.8	92	0.00
88	T	1,4-Dichlorobenzene	1.684	1.757	-4.3	93	0.00
89	T	n-Butylbenzene	2.912	3.197	-9.8	91	0.00
90	T	Hexachloroethane	0.585	0.631	-7.9	91	0.00
91	T	1,2-Dichlorobenzene	1.655	1.755	-6.0	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.302	0.323	-7.0	90	0.00
93	T	1,2,4-Trichlorobenzene	0.951	0.997	-4.8	91	0.00
94	T	Hexachlorobutadiene	0.415	0.422	-1.7	89	0.00
95	T	Naphthalene	3.487	3.734	-7.1	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046309.D
Acq On : 21 May 2025 19:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:56:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	0.981	1.022	-4.2	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046309.D
Acq On : 21 May 2025 19:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:56:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	83	0.00
2	T	Dichlorodifluoromethane	50.000	51.165	-2.3	75	0.00
3	P	Chloromethane	50.000	51.783	-3.6	82	0.00
4	C	Vinyl Chloride	50.000	50.048	-0.1#	81	0.00
5	T	Bromomethane	50.000	50.896	-1.8	83	0.00
6	T	Chloroethane	50.000	54.451	-8.9	88	0.00
7	T	Trichlorofluoromethane	50.000	53.263	-6.5	84	0.00
8	T	Diethyl Ether	50.000	51.546	-3.1	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.109	-2.2	83	0.00
10	T	Methyl Iodide	50.000	51.617	-3.2	79	0.00
11	T	Tert butyl alcohol	250.000	272.937	-9.2	92	0.00
12	CM	1,1-Dichloroethene	50.000	51.346	-2.7#	84	0.00
13	T	Acrolein	250.000	304.004	-21.6	98	0.00
14	T	Allyl chloride	50.000	54.976	-10.0	87	0.00
15	T	Acrylonitrile	250.000	273.599	-9.4	87	0.00
16	T	Acetone	250.000	262.209	-4.9	90	0.00
17	T	Carbon Disulfide	50.000	49.071	1.9	78	0.00
18	T	Methyl Acetate	50.000	62.191	-24.4	105	0.00
19	T	Methyl tert-butyl Ether	50.000	55.080	-10.2	88	0.00
20	T	Methylene Chloride	50.000	49.327	1.3	85	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.069	-2.1	83	0.00
22	T	Diisopropyl ether	50.000	55.824	-11.6	89	0.00
23	T	Vinyl Acetate	250.000	277.142	-10.9	86	0.00
24	P	1,1-Dichloroethane	50.000	54.807	-9.6	88	0.00
25	T	2-Butanone	250.000	278.542	-11.4	90	0.00
26	T	2,2-Dichloropropane	50.000	47.433	5.1	78	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.789	-7.6	87	0.00
28	T	Bromochloromethane	50.000	50.808	-1.6	85	0.00
29	T	Tetrahydrofuran	250.000	279.438	-11.8	90	0.00
30	C	Chloroform	50.000	54.901	-9.8#	89	0.00
31	T	Cyclohexane	50.000	53.304	-6.6	87	0.00
32	T	1,1,1-Trichloroethane	50.000	54.225	-8.5	87	0.00
33	S	1,2-Dichloroethane-d4	50.000	51.748	-3.5	88	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	85	0.00
35	S	Dibromofluoromethane	50.000	52.481	-5.0	91	0.00
36	T	1,1-Dichloropropene	50.000	51.965	-3.9	86	0.00
37	T	Ethyl Acetate	50.000	53.811	-7.6	90	0.00
38	T	Carbon Tetrachloride	50.000	52.550	-5.1	87	0.00
39	T	Methylcyclohexane	50.000	51.084	-2.2	84	0.00
40	TM	Benzene	50.000	52.931	-5.9	87	0.00
41	T	Methacrylonitrile	50.000	57.703	-15.4	89	0.00
42	TM	1,2-Dichloroethane	50.000	53.339	-6.7	88	0.00
43	T	Isopropyl Acetate	50.000	56.305	-12.6	91	0.00
44	TM	Trichloroethene	50.000	52.934	-5.9	87	0.00
45	C	1,2-Dichloropropane	50.000	55.522	-11.0#	90	0.00
46	T	Dibromomethane	50.000	52.697	-5.4	87	0.00
47	T	Bromodichloromethane	50.000	55.574	-11.1	90	0.00
48	T	Methyl methacrylate	50.000	57.664	-15.3	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046309.D
Acq On : 21 May 2025 19:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:56:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	1049.342	-4.9	87	0.00
50	S	Toluene-d8	50.000	51.458	-2.9	89	0.00
51	T	4-Methyl-2-Pentanone	250.000	284.246	-13.7	92	0.00
52	CM	Toluene	50.000	53.018	-6.0#	87	0.00
53	T	t-1,3-Dichloropropene	50.000	55.500	-11.0	87	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.300	-10.6	88	0.00
55	T	1,1,2-Trichloroethane	50.000	54.873	-9.7	90	0.00
56	T	Ethyl methacrylate	50.000	59.733	-19.5	93	0.00
57	T	1,3-Dichloropropane	50.000	53.891	-7.8	91	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	263.968	-5.6	81	0.00
59	T	2-Hexanone	250.000	284.811	-13.9	92	0.00
60	T	Dibromochloromethane	50.000	57.039	-14.1	91	0.00
61	T	1,2-Dibromoethane	50.000	54.430	-8.9	88	0.00
62	S	4-Bromofluorobenzene	50.000	54.746	-9.5	95	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	87	0.00
64	T	Tetrachloroethene	50.000	51.541	-3.1	85	0.00
65	PM	Chlorobenzene	50.000	51.899	-3.8	90	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.383	-6.8	89	0.00
67	C	Ethyl Benzene	50.000	54.383	-8.8#	90	0.00
68	T	m/p-Xylenes	100.000	108.710	-8.7	90	0.00
69	T	o-Xylene	50.000	54.714	-9.4	90	0.00
70	T	Styrene	50.000	57.165	-14.3	92	0.00
71	P	Bromoform	50.000	54.834	-9.7	88	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	90	0.00
73	T	Isopropylbenzene	50.000	54.740	-9.5	92	0.00
74	T	N-amyl acetate	50.000	54.704	-9.4	91	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.866	-1.7	93	0.00
76	T	1,2,3-Trichloropropane	50.000	51.832	-3.7	94	0.00
77	T	Bromobenzene	50.000	52.219	-4.4	91	0.00
78	T	n-propylbenzene	50.000	54.831	-9.7	92	0.00
79	T	2-Chlorotoluene	50.000	53.228	-6.5	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.092	-10.2	92	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.109	-0.2	86	0.00
82	T	4-Chlorotoluene	50.000	54.831	-9.7	93	0.00
83	T	tert-Butylbenzene	50.000	54.002	-8.0	92	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.903	-9.8	92	0.00
85	T	sec-Butylbenzene	50.000	54.961	-9.9	93	0.00
86	T	p-Isopropyltoluene	50.000	54.530	-9.1	91	0.00
87	T	1,3-Dichlorobenzene	50.000	52.860	-5.7	92	0.00
88	T	1,4-Dichlorobenzene	50.000	52.158	-4.3	93	0.00
89	T	n-Butylbenzene	50.000	54.886	-9.8	91	0.00
90	T	Hexachloroethane	50.000	53.906	-7.8	91	0.00
91	T	1,2-Dichlorobenzene	50.000	53.032	-6.1	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.508	-7.0	90	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.451	-4.9	91	0.00
94	T	Hexachlorobutadiene	50.000	50.873	-1.7	89	0.00
95	T	Naphthalene	50.000	53.556	-7.1	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046309.D
Acq On : 21 May 2025 19:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 22 01:56:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 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	52.106	-4.2	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

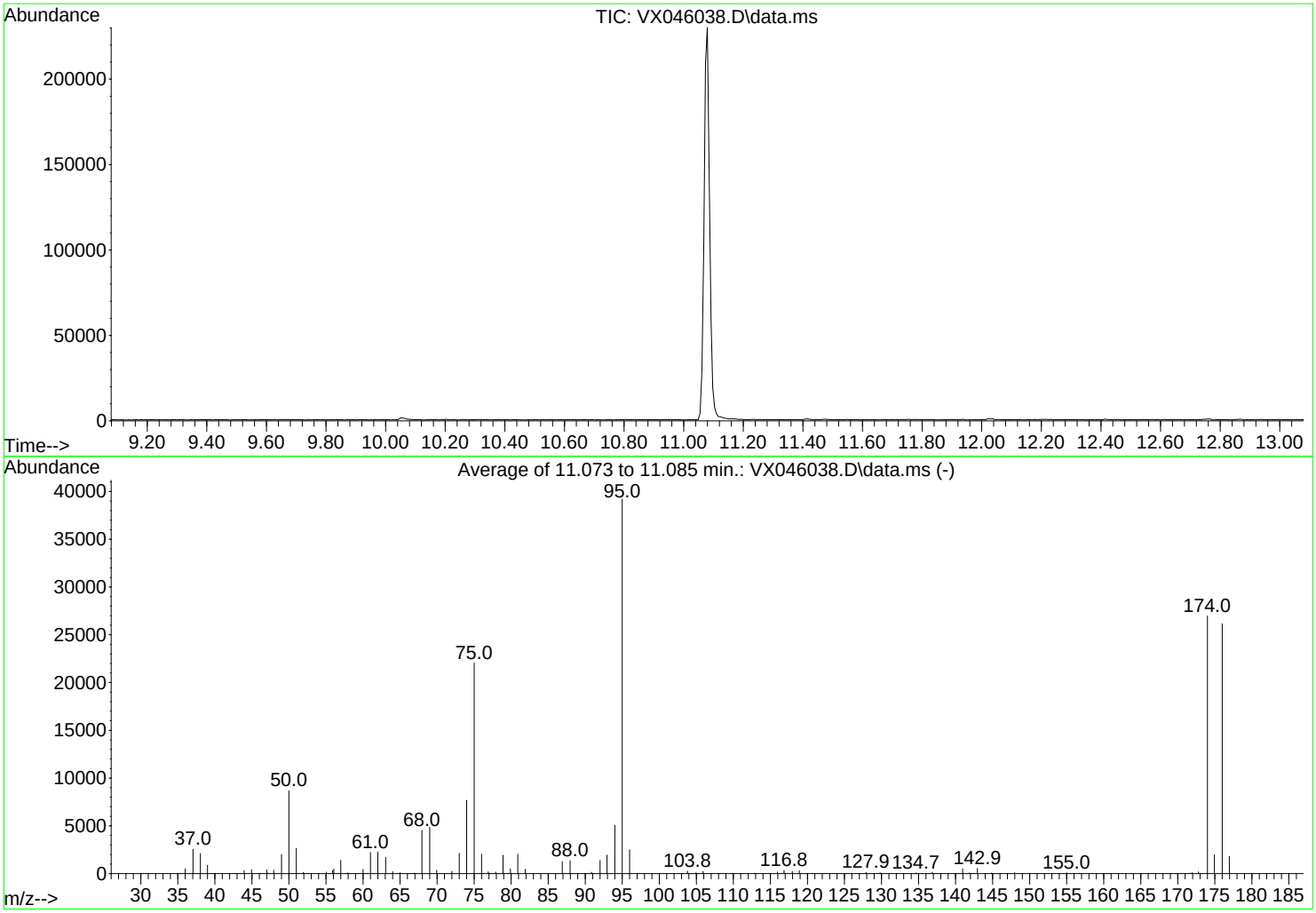
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046038.D
Acq On : 05 May 2025 09:37
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\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	8676	PASS
75	95	30	60	56.2	22052	PASS
95	95	100	100	100.0	39213	PASS
96	95	5	9	6.4	2505	PASS
173	174	0.00	2	0.7	185	PASS
174	95	50	100	68.8	26963	PASS
175	174	5	9	7.3	1980	PASS
176	174	95	101	97.0	26147	PASS
177	176	5	9	6.9	1802	PASS

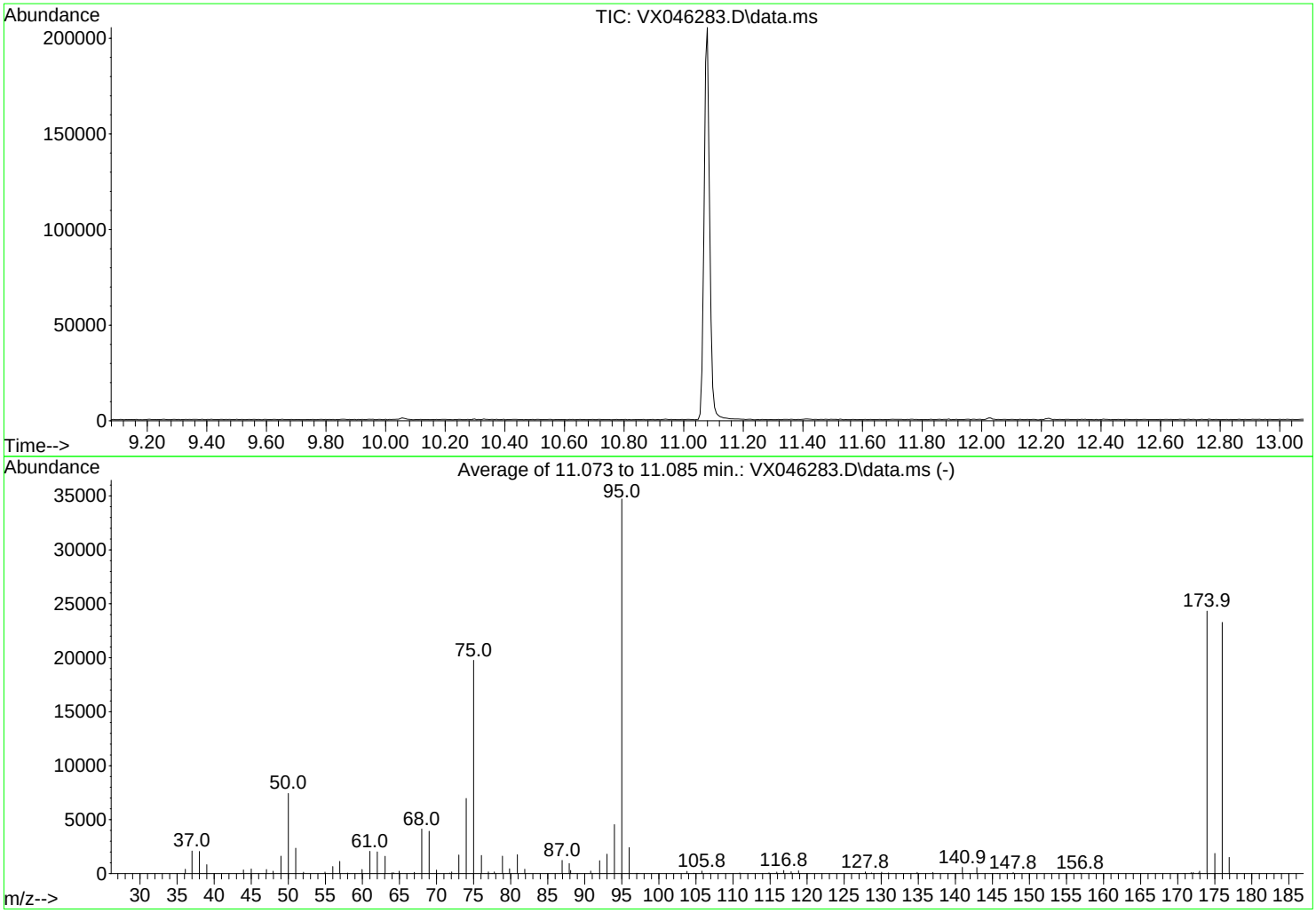
Sample Results: **VX046283.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046283.D
Acq On : 21 May 2025 09:13
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\82X050525W.M
Title : SW846 8260
Last Update : Tue May 06 07:12:22 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	21.4	7429	PASS
75	95	30	60	56.9	19765	PASS
95	95	100	100	100.0	34712	PASS
96	95	5	9	7.0	2413	PASS
173	174	0.00	2	0.9	221	PASS
174	95	50	100	70.1	24317	PASS
175	174	5	9	7.7	1864	PASS
176	174	95	101	95.7	23280	PASS
177	176	5	9	6.5	1508	PASS

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0521WBL01	SDG No.:	Q2082
Lab Sample ID:	VX0521WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046286.D	1		05/21/25 10:46	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0521WBL01	SDG No.:	Q2082
Lab Sample ID:	VX0521WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046286.D	1		05/21/25 10:46	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.5		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	50.8		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	66700	5.544				
540-36-3	1,4-Difluorobenzene	133000	6.757				
3114-55-4	Chlorobenzene-d5	125000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	53100	12.018				

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\VX052125\
Data File : VX046286.D
Acq On : 21 May 2025 10:46
Operator : JC/MD
Sample : VX0521WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Quant Time: May 22 01:45:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	66690	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132814	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66578	53.549	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.100%			
35) Dibromofluoromethane	5.379	113	48705	50.925	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.860%			
50) Toluene-d8	8.647	98	168104	50.783	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.560%			
62) 4-Bromofluorobenzene	11.079	95	64393	50.713	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.420%			

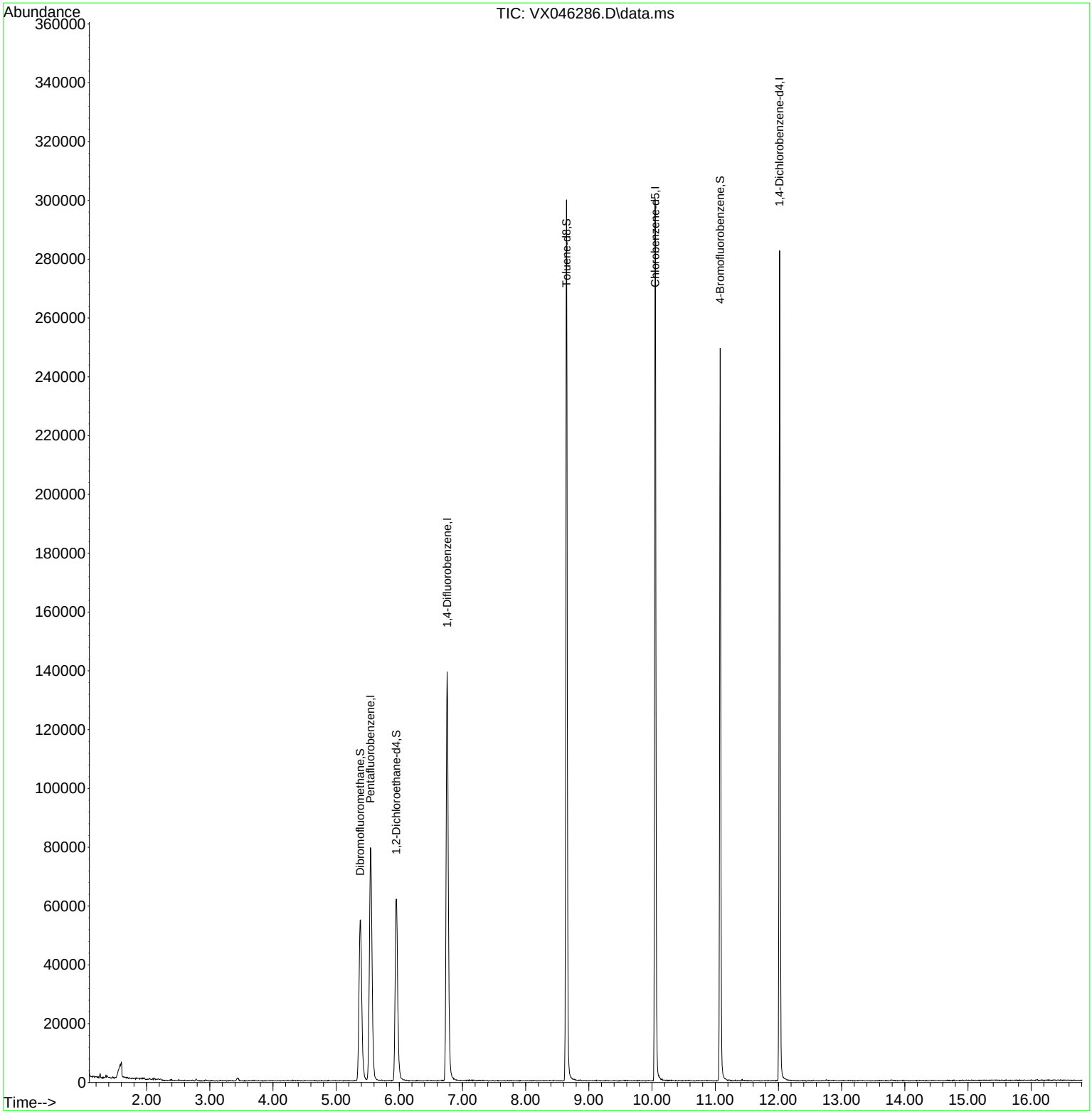
Target Compounds Qvalue

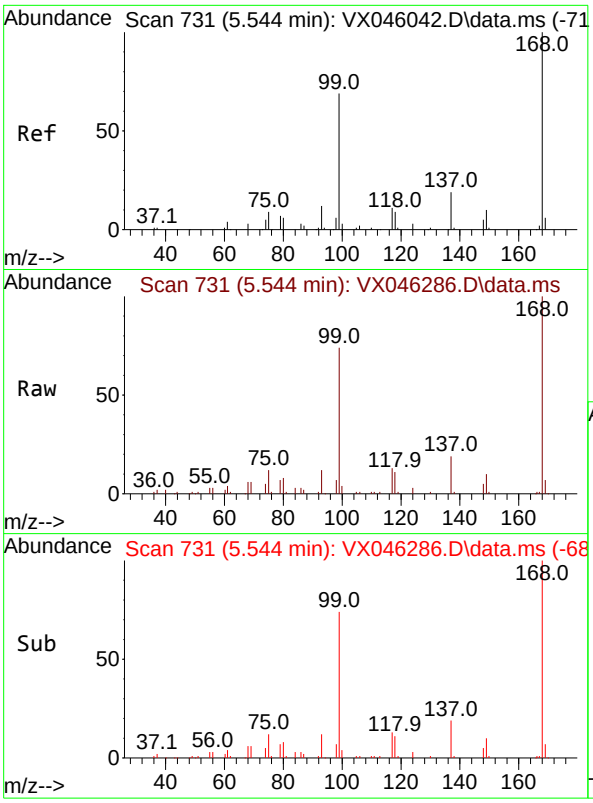
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046286.D
Acq On : 21 May 2025 10:46
Operator : JC/MD
Sample : VX0521WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Quant Time: May 22 01:45:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



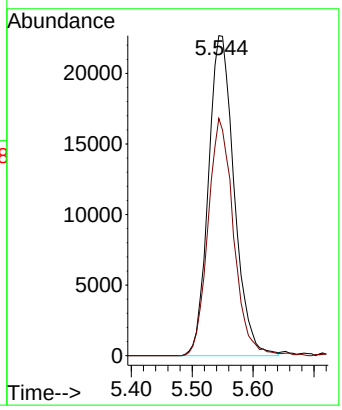


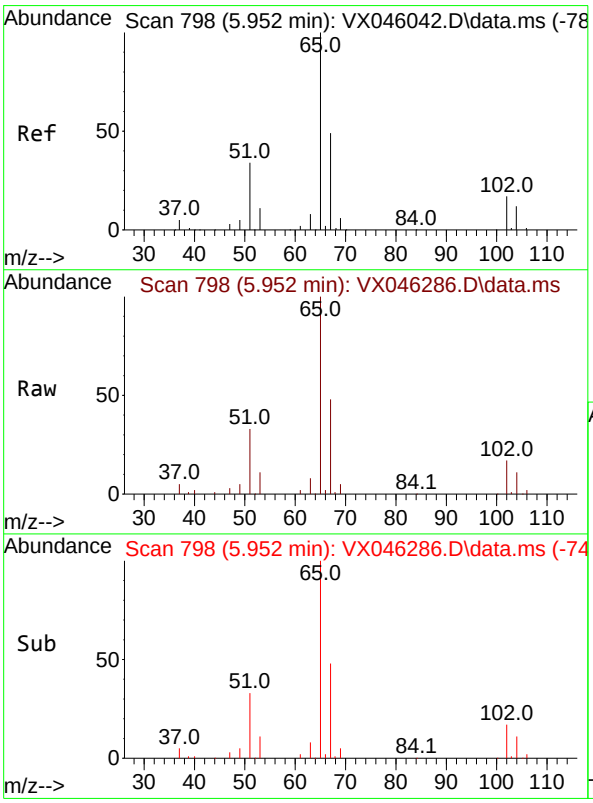
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046286.D
Acq: 21 May 2025 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Tgt Ion:168 Resp: 66690

Ion	Ratio	Lower	Upper
168	100		
99	74.1	54.9	82.3

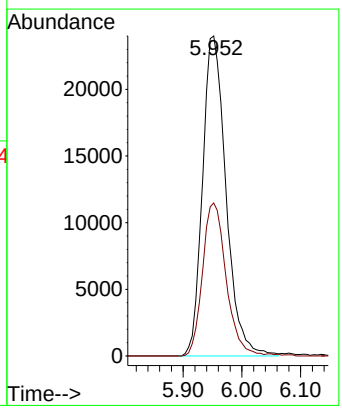


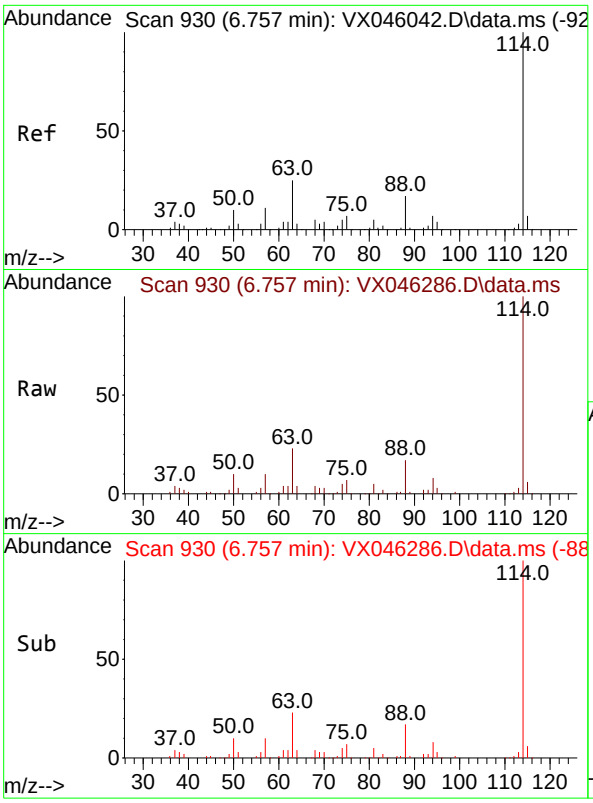


#33
1,2-Dichloroethane-d4
Concen: 53.549 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046286.D
Acq: 21 May 2025 10:46

Tgt Ion: 65 Resp: 66578

Ion	Ratio	Lower	Upper
65	100		
67	48.5	0.0	99.0



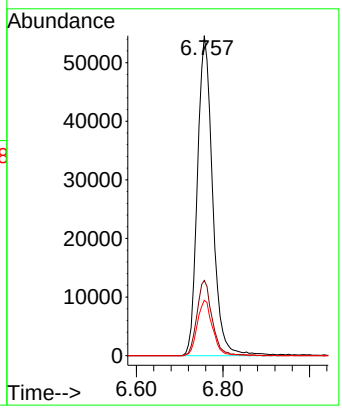


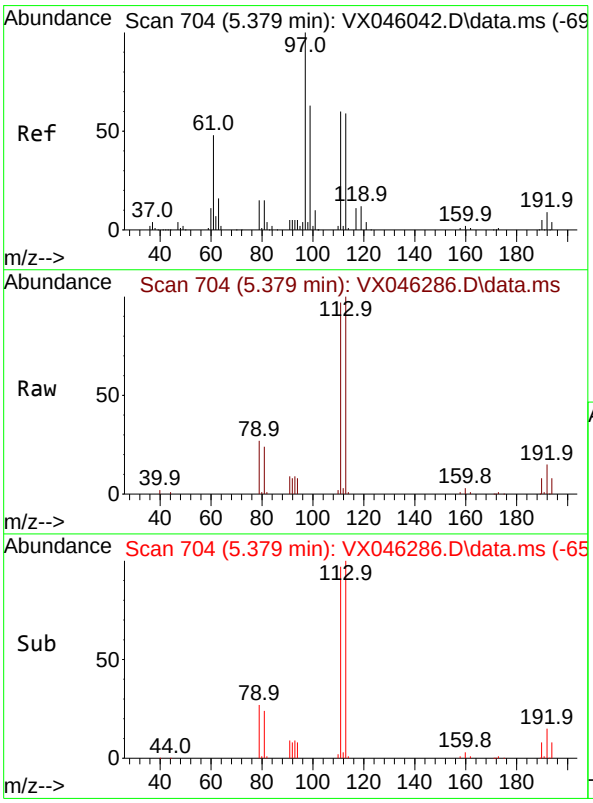
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046286.D
Acq: 21 May 2025 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Tgt Ion:114 Resp: 132814

Ion	Ratio	Lower	Upper
114	100		
63	23.5	0.0	49.2
88	17.3	0.0	33.6

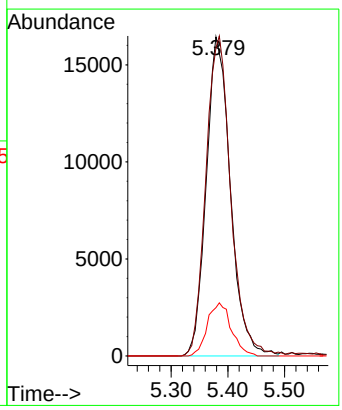


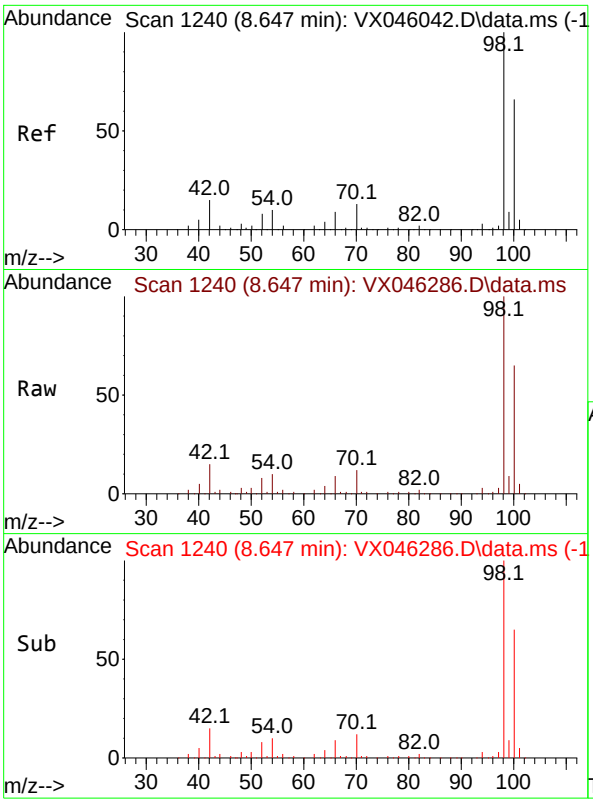


#35
Dibromofluoromethane
Concen: 50.925 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046286.D
Acq: 21 May 2025 10:46

Tgt Ion:113 Resp: 48705

Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.1	124.7
192	16.4	13.3	19.9



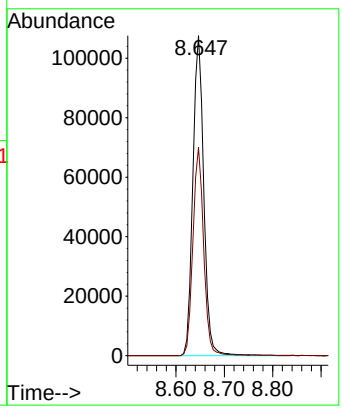


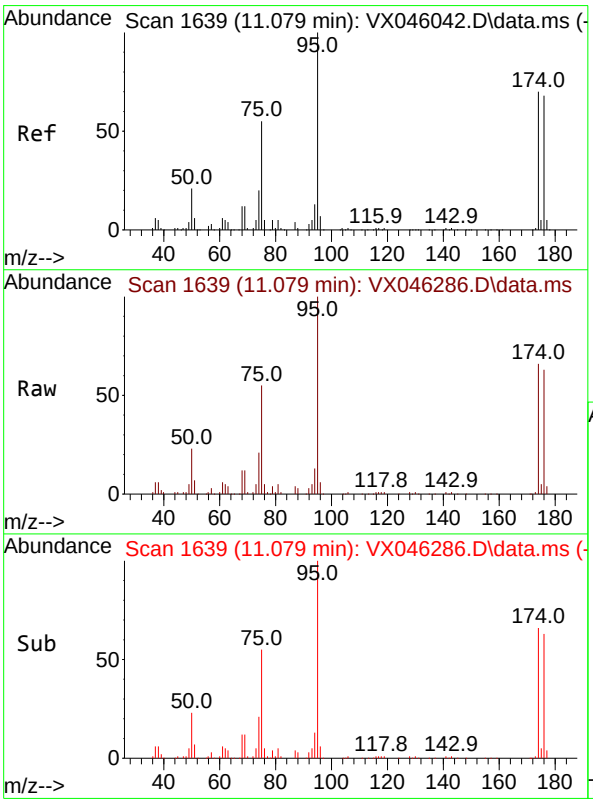
#50
Toluene-d8
Concen: 50.783 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046286.D
Acq: 21 May 2025 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Tgt Ion: 98 Resp: 168104

Ion	Ratio	Lower	Upper
98	100		
100	64.2	53.5	80.3

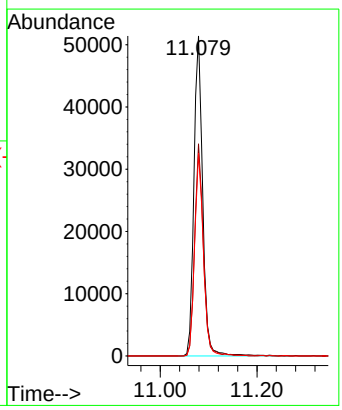


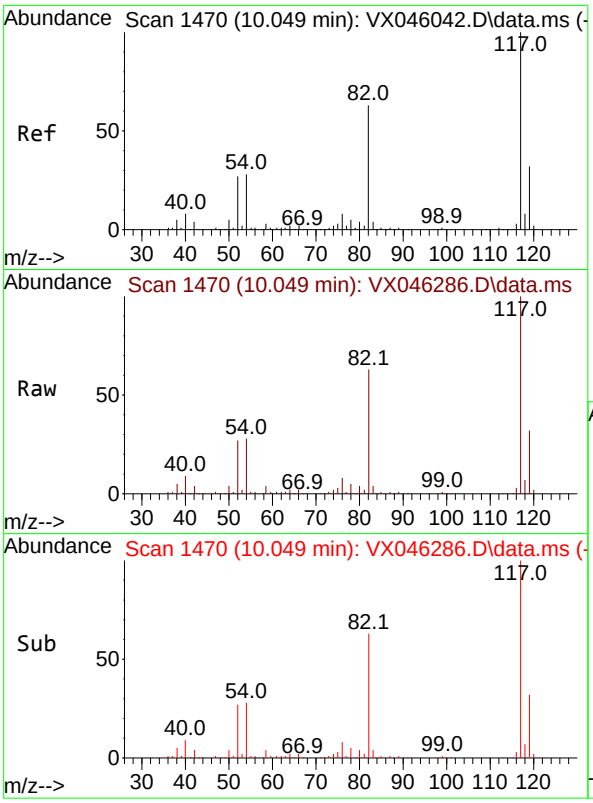


#62
4-Bromofluorobenzene
Concen: 50.713 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046286.D
Acq: 21 May 2025 10:46

Tgt Ion: 95 Resp: 64393

Ion	Ratio	Lower	Upper
95	100		
174	65.8	0.0	135.8
176	63.7	0.0	131.4



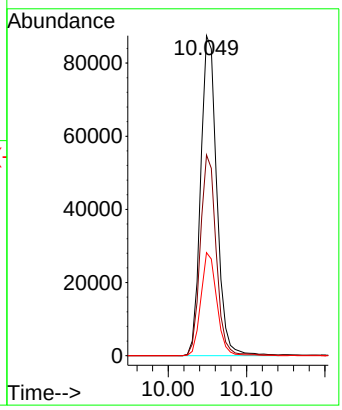


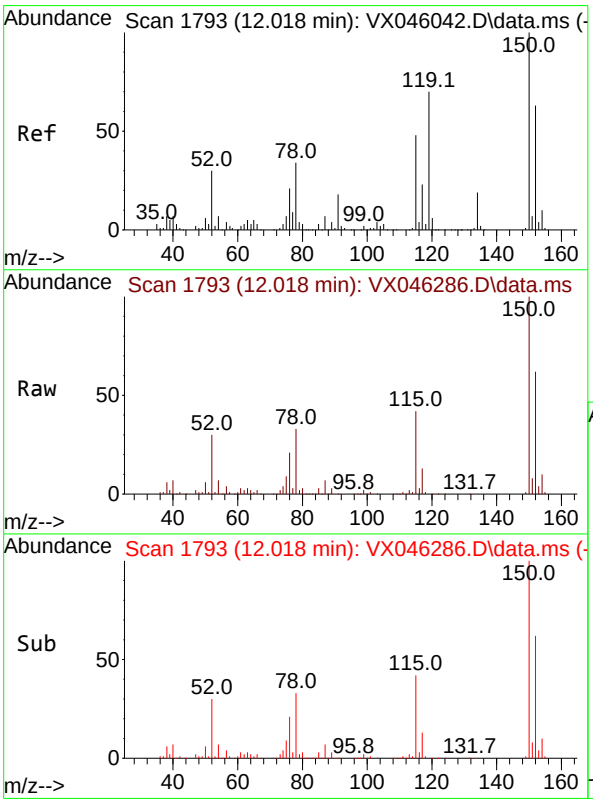
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046286.D
Acq: 21 May 2025 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Tgt Ion:117 Resp: 124685

Ion	Ratio	Lower	Upper
117	100		
82	62.7	50.6	76.0
119	32.2	25.8	38.6

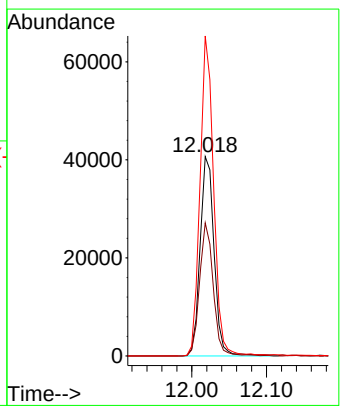




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046286.D
Acq: 21 May 2025 10:46

Tgt Ion:152 Resp: 53099

Ion	Ratio	Lower	Upper
152	100		
115	65.1	46.9	140.7
150	155.5	0.0	351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046286.D
Acq On : 21 May 2025 10:46
Operator : JC/MD
Sample : VX0521WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046286.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.599	71	84	88	rBV6	5126	16215	3.45%	0.653%
2	5.385	694	705	721	rBV2	54700	165382	35.22%	6.659%
3	5.544	721	731	747	rVB	79004	225291	47.98%	9.072%
4	5.952	788	798	817	rBV2	61886	173295	36.90%	6.978%
5	6.757	922	930	945	rBV	139055	336479	71.65%	13.549%
6	8.647	1233	1240	1257	rBV	299577	469591	100.00%	18.909%
7	10.049	1465	1470	1487	rBV	299999	426774	90.88%	17.185%
8	11.079	1634	1639	1651	rBV	248998	311932	66.43%	12.561%
9	12.018	1788	1793	1805	rBV	282296	358454	76.33%	14.434%

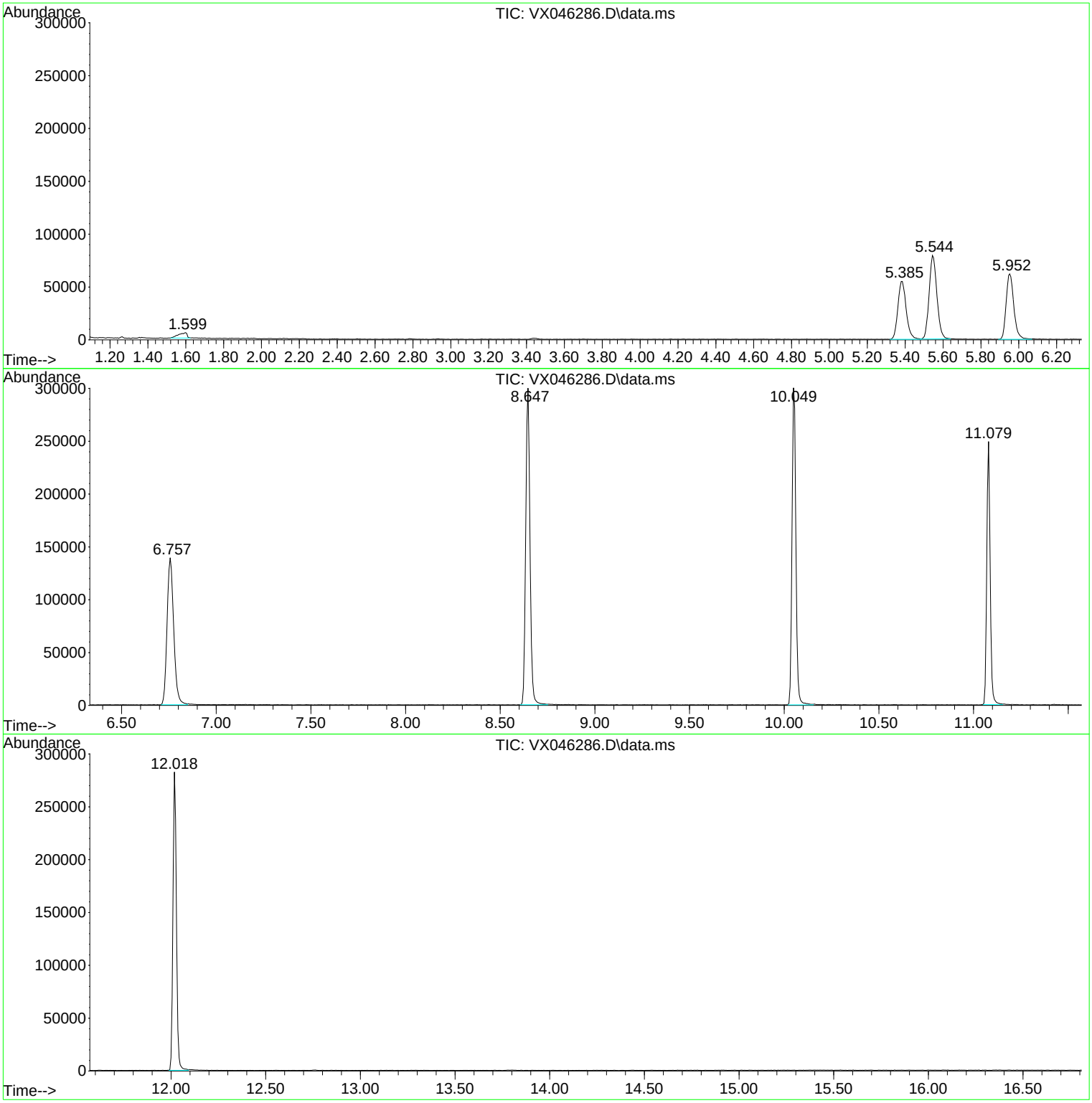
Sum of corrected areas: 2483413

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046286.D
Acq On : 21 May 2025 10:46
Operator : JC/MD
Sample : VX0521WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046286.D
Acq On : 21 May 2025 10:46
Operator : JC/MD
Sample : VX0521WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046286.D
Acq On : 21 May 2025 10:46
Operator : JC/MD
Sample : VX0521WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0521WBS01	SDG No.:	Q2082
Lab Sample ID:	VX0521WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046287.D	1		05/21/25 11:09	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	19.7		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	19.0		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	19.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	20.8		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.1		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.23	0.75	1.00	ug/L
67-64-1	Acetone	100		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	15.6		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.6		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	19.7		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.5		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.8		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	110		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	20.9		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.5		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.0		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	20.1		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.7		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	20.9		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.5		0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.4		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.6		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VX0521WBS01	SDG No.:	Q2082
Lab Sample ID:	VX0521WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046287.D	1		05/21/25 11:09	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	21.5		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	20.5		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.8		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	20.1		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.3		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.9		0.12	0.50	1.00	ug/L
100-42-5	Styrene	21.2		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	19.9		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	20.4		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.5		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.8		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.5		0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.7		81 - 118		107%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	52.4		89 - 112		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	83100	5.544				
540-36-3	1,4-Difluorobenzene	147000	6.757				
3114-55-4	Chlorobenzene-d5	130000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	62700	12.018				

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\VX052125\
Data File : VX046287.D
Acq On : 21 May 2025 11:09
Operator : JC/MD
Sample : VX0521WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 01:45:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	83102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146697	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	130479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83120	53.650	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.300%			
35) Dibromofluoromethane	5.379	113	57372	54.310	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.620%			
50) Toluene-d8	8.647	98	191524	52.383	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.760%			
62) 4-Bromofluorobenzene	11.079	95	77180	55.031	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25585	20.115	ug/l	99
3) Chloromethane	1.307	50	24302	19.702	ug/l	96
4) Vinyl Chloride	1.374	62	21796	18.987	ug/l	100
5) Bromomethane	1.593	94	10421	19.572	ug/l	100
6) Chloroethane	1.666	64	12767	20.833	ug/l	97
7) Trichlorofluoromethane	1.874	101	34095	20.096	ug/l	98
8) Diethyl Ether	2.136	74	10749	18.611	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	20578	19.599	ug/l	97
10) Methyl Iodide	2.441	142	22245	17.906	ug/l	98
11) Tert butyl alcohol	2.983	59	23847	109.655	ug/l	97
12) 1,1-Dichloroethene	2.307	96	18532	18.807	ug/l	93
13) Acrolein	2.239	56	25808	104.204	ug/l	99
14) Allyl chloride	2.660	41	38072	20.216	ug/l	98
15) Acrylonitrile	3.062	53	66609	107.114	ug/l	99
16) Acetone	2.386	43	63974	102.986	ug/l	100
17) Carbon Disulfide	2.502	76	36554	15.647	ug/l	99
18) Methyl Acetate	2.703	43	35517	24.639	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	71064	20.570	ug/l	99
20) Methylene Chloride	2.782	84	23422	19.676	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	19275	19.451	ug/l	99
22) Diisopropyl ether	3.764	45	76439	21.013	ug/l	97
23) Vinyl Acetate	3.721	43	322692	100.856	ug/l	99
24) 1,1-Dichloroethane	3.605	63	42066	20.762	ug/l	99
25) 2-Butanone	4.562	43	97290	107.880	ug/l	99
26) 2,2-Dichloropropane	4.471	77	31778	20.038	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	23744	19.904	ug/l	97
28) Bromochloromethane	4.891	49	22159	22.721	ug/l	99
29) Tetrahydrofuran	5.007	42	60349	106.791	ug/l	98
30) Chloroform	5.093	83	44097	20.880	ug/l	99
31) Cyclohexane	5.458	56	34669	18.777	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	37552	20.513	ug/l	100
36) 1,1-Dichloropropene	5.690	75	27419	19.318	ug/l	99
37) Ethyl Acetate	4.721	43	34479	19.662	ug/l	99
38) Carbon Tetrachloride	5.666	117	32466	20.358	ug/l	97
39) Methylcyclohexane	7.373	83	33218	18.179	ug/l	93
40) Benzene	6.031	78	84417	20.305	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046287.D
Acq On : 21 May 2025 11:09
Operator : JC/MD
Sample : VX0521WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 01:45:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.922	41	20114	21.927 ug/l		98
42) 1,2-Dichloroethane	6.086	62	37731	21.028 ug/l		100
43) Isopropyl Acetate	6.342	43	55970	20.922 ug/l		99
44) Trichloroethene	7.123	130	20154	20.142 ug/l		100
45) 1,2-Dichloropropane	7.428	63	21399	20.700 ug/l		97
46) Dibromomethane	7.580	93	16727	20.515 ug/l		99
47) Bromodichloromethane	7.818	83	33537	20.884 ug/l		94
48) Methyl methacrylate	7.696	41	29912	21.893 ug/l		96
49) 1,4-Dioxane	7.665	88	11979	461.769 ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	197911	111.451 ug/l		97
52) Toluene	8.714	92	52243	20.494 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	28454	19.935 ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	32181	20.399 ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	21758	21.646 ug/l		98
56) Ethyl methacrylate	9.116	69	34485	21.526 ug/l		98
57) 1,3-Dichloropropane	9.305	76	37670	20.867 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	90048	110.253 ug/l		98
59) 2-Hexanone	9.427	43	146892	111.809 ug/l		98
60) Dibromochloromethane	9.519	129	23698	21.467 ug/l		98
61) 1,2-Dibromoethane	9.610	107	21985	21.044 ug/l		97
64) Tetrachloroethene	9.269	164	18888	20.459 ug/l		92
65) Chlorobenzene	10.079	112	56582	19.813 ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	19817	20.321 ug/l		97
67) Ethyl Benzene	10.189	91	101041	20.071 ug/l		99
68) m/p-Xylenes	10.299	106	74216	40.309 ug/l		96
69) o-Xylene	10.640	106	37483	20.882 ug/l		99
70) Styrene	10.653	104	62320	21.194 ug/l		99
71) Bromoform	10.799	173	14595	19.934 ug/l	#	96
73) Isopropylbenzene	10.963	105	99407	20.380 ug/l		100
74) N-amyl acetate	10.842	43	48670	20.193 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	34915	20.427 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	30189m	20.019 ug/l		
77) Bromobenzene	11.195	156	22971	20.285 ug/l		99
78) n-propylbenzene	11.299	91	115726	20.405 ug/l		99
79) 2-Chlorotoluene	11.360	91	74331	20.320 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	85859	21.070 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8934	19.287 ug/l		97
82) 4-Chlorotoluene	11.451	91	83363	20.550 ug/l		99
83) tert-Butylbenzene	11.713	119	82945	20.208 ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	85525	20.726 ug/l		99
85) sec-Butylbenzene	11.890	105	102551	20.349 ug/l		99
86) p-Isopropyltoluene	12.006	119	85338	20.514 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	42301	20.468 ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	41784	19.797 ug/l		98
89) n-Butylbenzene	12.329	91	71724	19.656 ug/l		99
90) Hexachloroethane	12.536	117	14306	19.520 ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	42574	20.529 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7860	20.757 ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	22376	18.785 ug/l		99
94) Hexachlorobutadiene	13.725	225	10458	20.103 ug/l		97
95) Naphthalene	13.774	128	83835	19.190 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	24092	19.602 ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046287.D
Acq On : 21 May 2025 11:09
Operator : JC/MD
Sample : VX0521WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 01:45:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

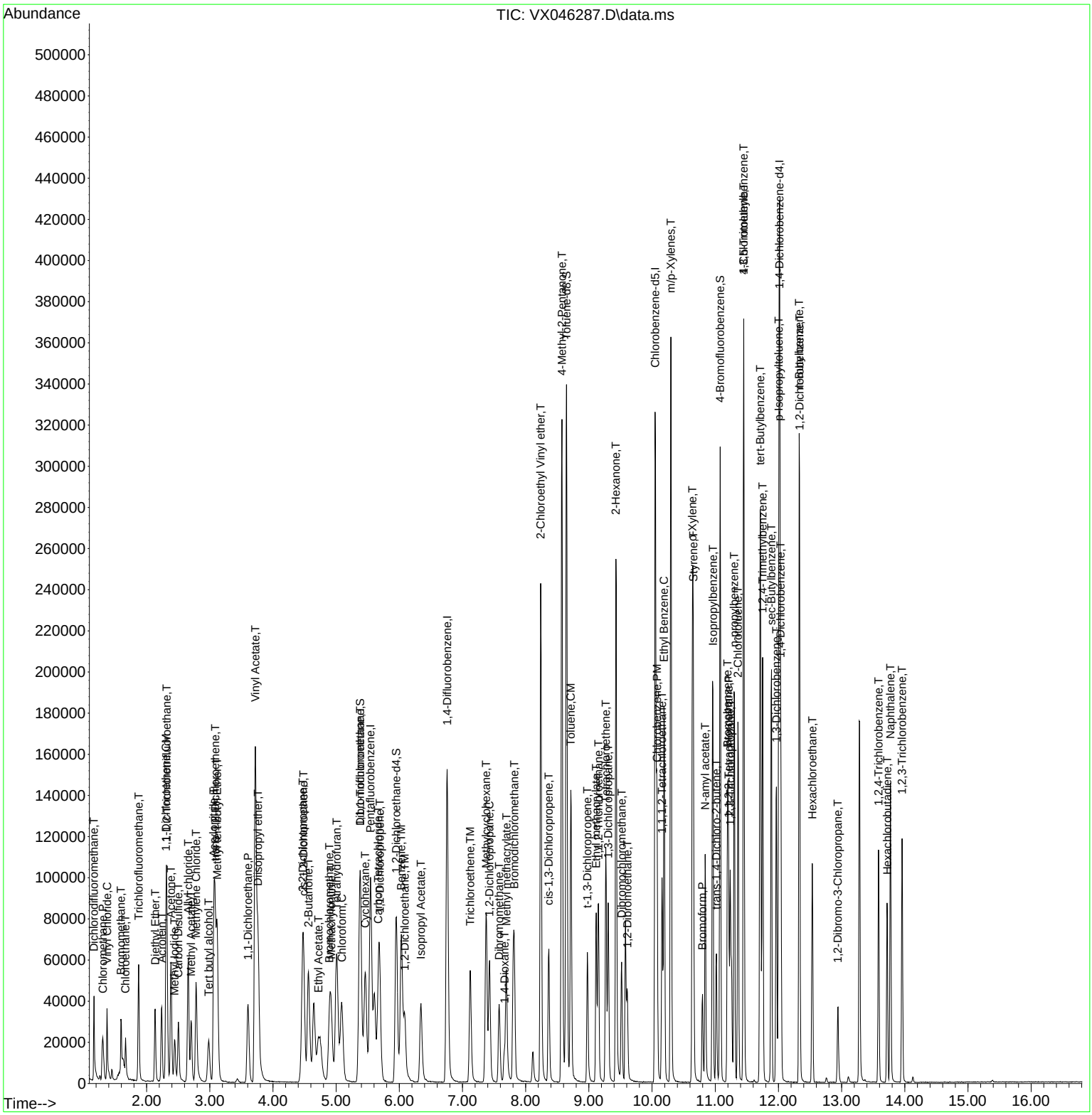
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046287.D
Acq On : 21 May 2025 11:09
Operator : JC/MD
Sample : VX0521WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

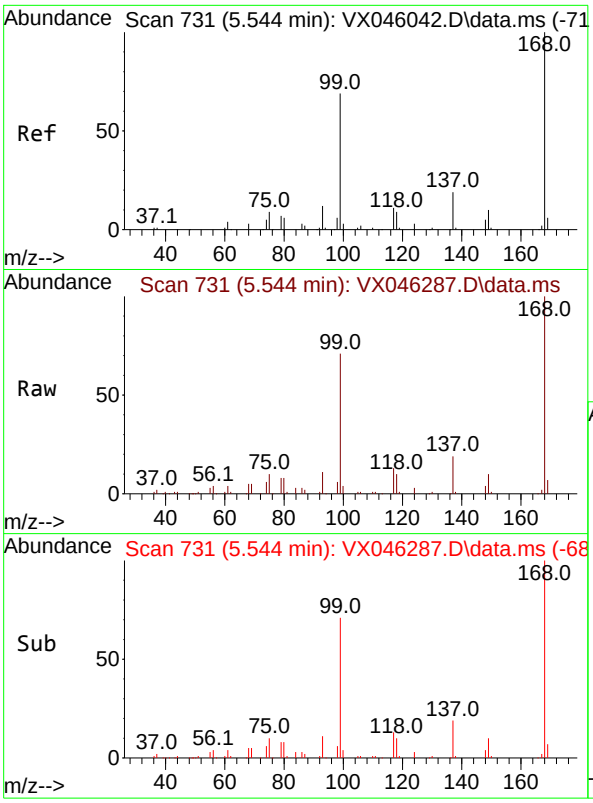
Quant Time: May 22 01:45:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

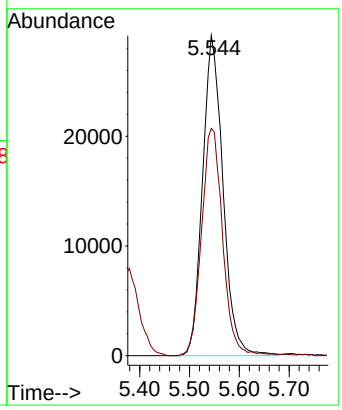




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:168 Resp: 8310

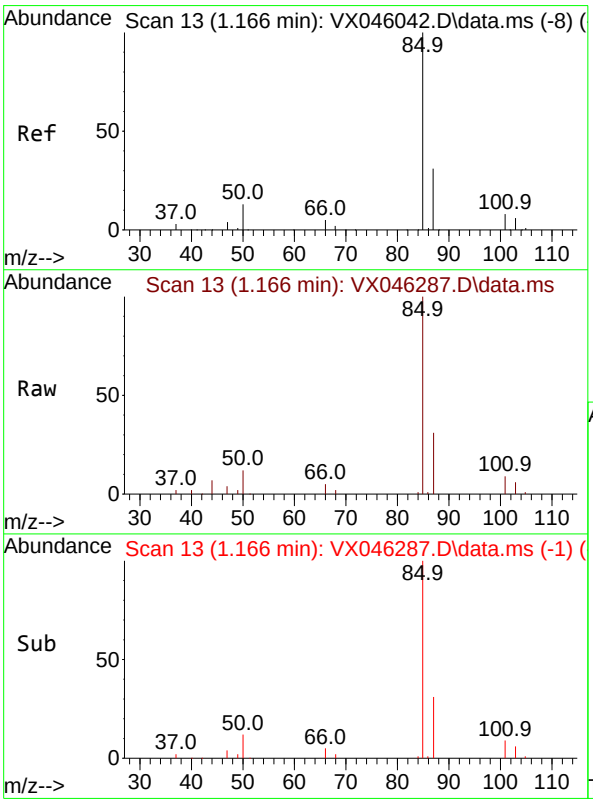
Ion	Ratio	Lower	Upper
168	100		
99	71.1	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
APPROVED

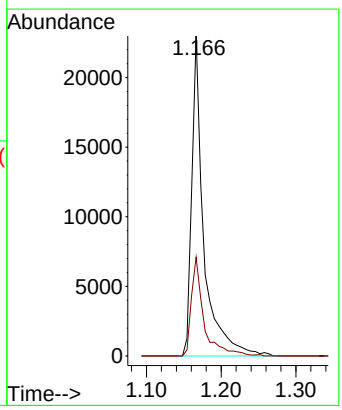
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

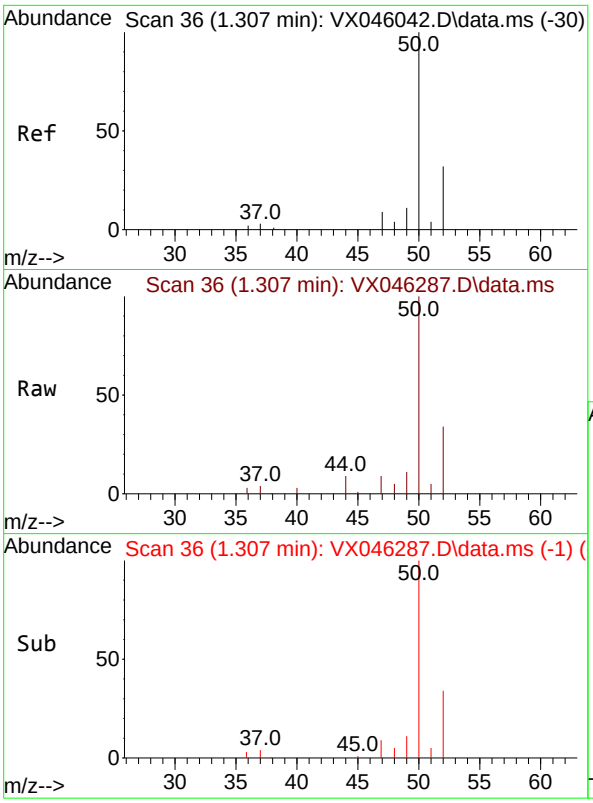


#2
Dichlorodifluoromethane
Concen: 20.115 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 85 Resp: 25585

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.7	47.1

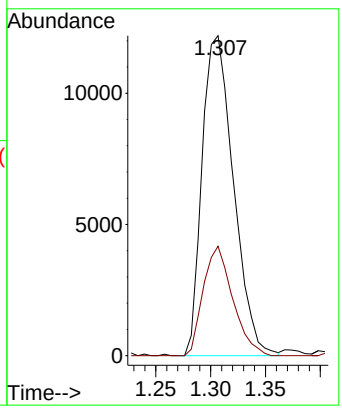




#3
Chloromethane
Concen: 19.702 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 50 Resp: 2430

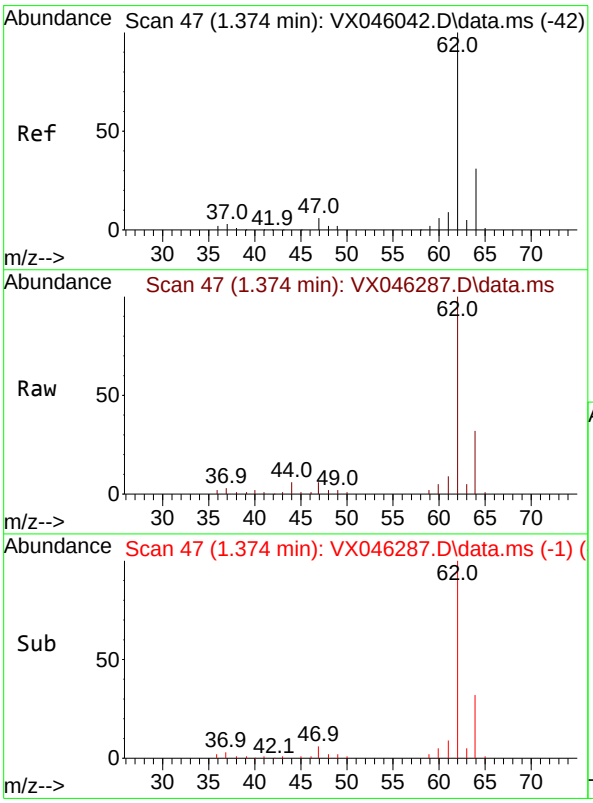
Ion	Ratio	Lower	Upper
50	100		
52	34.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
APPROVED

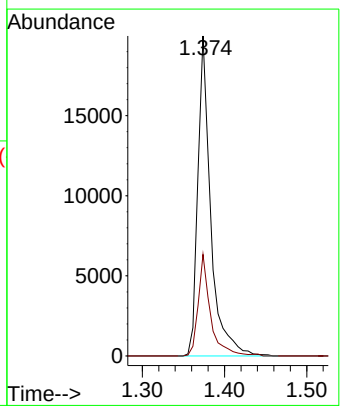
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

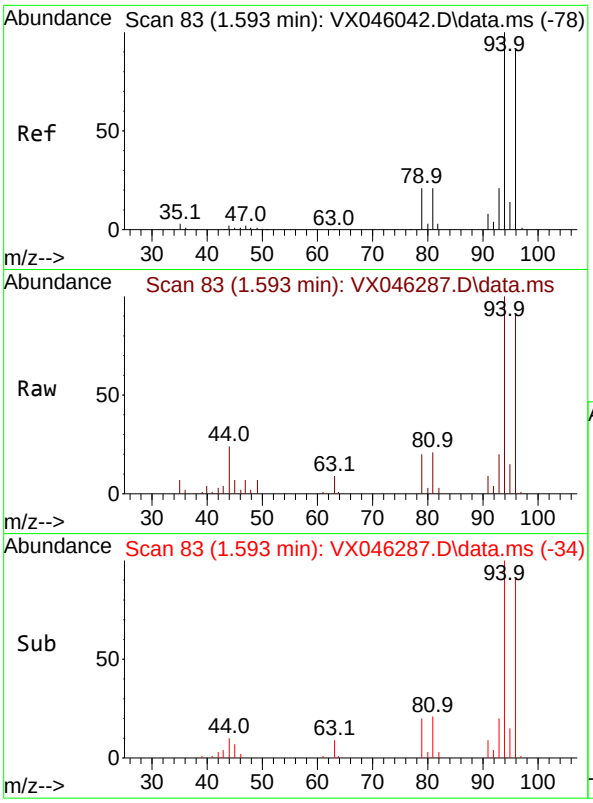


#4
Vinyl Chloride
Concen: 18.987 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 62 Resp: 21796

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.2	37.8

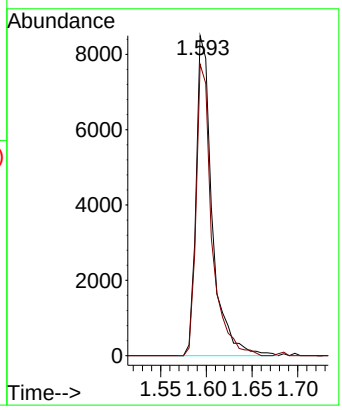




#5
Bromomethane
Concen: 19.572 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 94 Resp: 1042

Ion	Ratio	Lower	Upper
94	100		
96	91.0	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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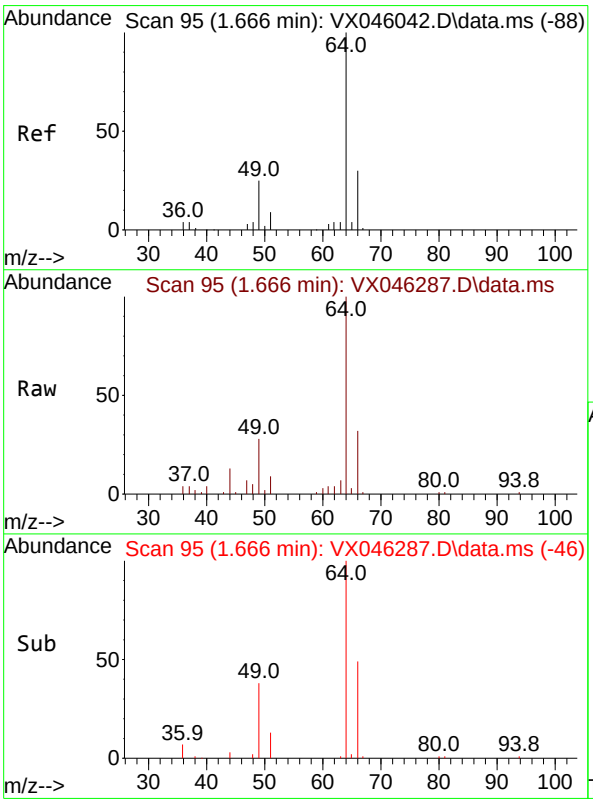
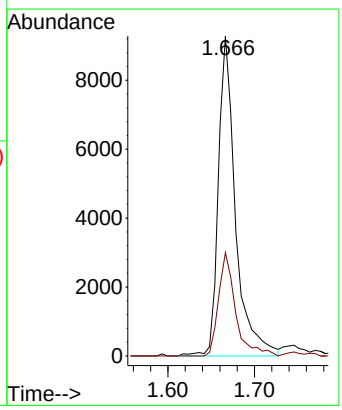
Supervised By :Mahesh Dadoda 05/22/2025

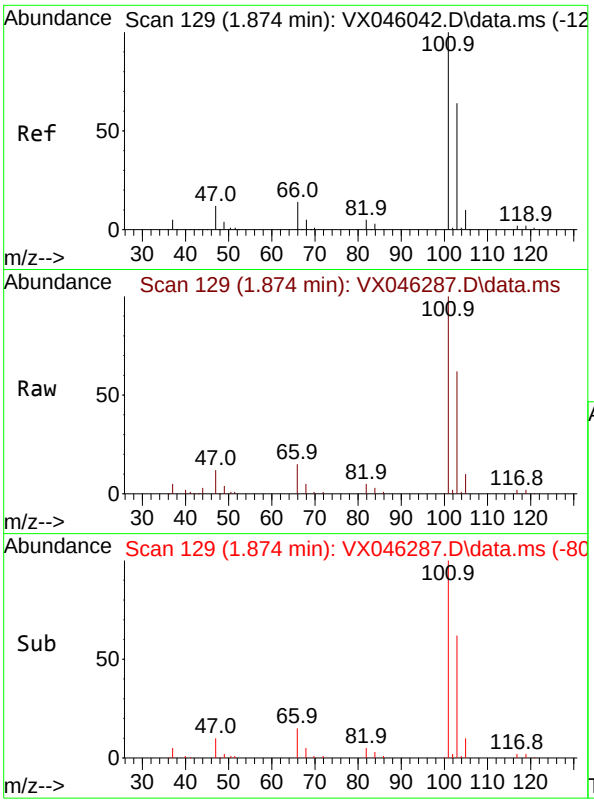


#6
Chloroethane
Concen: 20.833 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 64 Resp: 12767

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.3	36.5

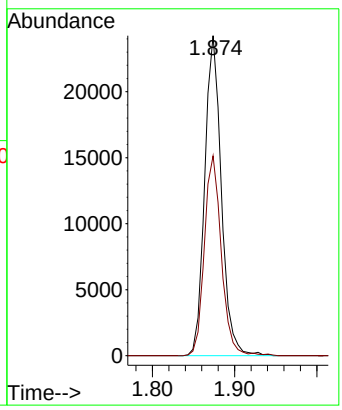




#7
Trichlorofluoromethane
Concen: 20.096 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:101 Resp: 3409

Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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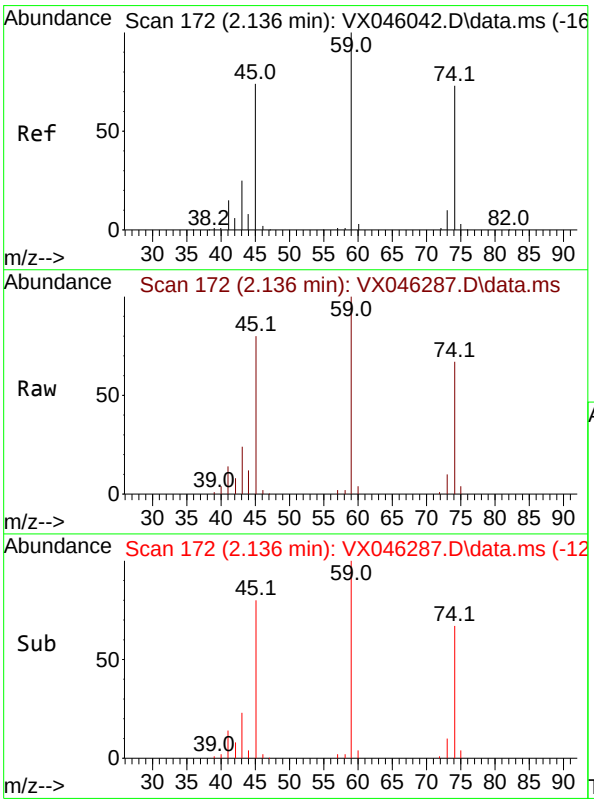
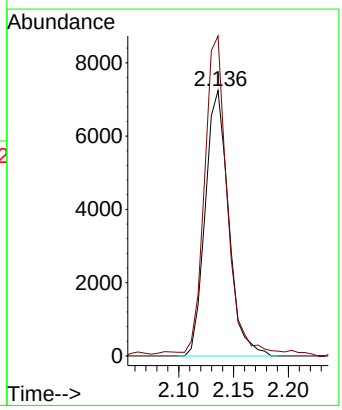
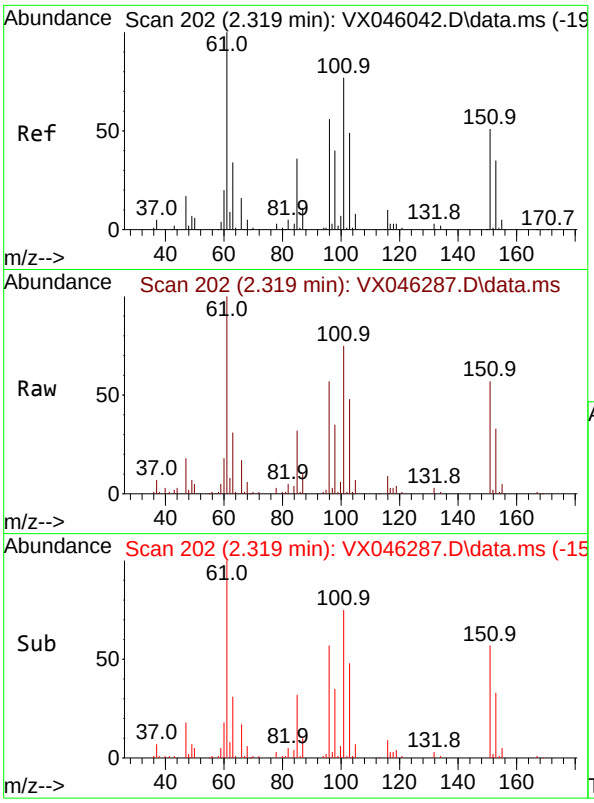


#8
Diethyl Ether
Concen: 18.611 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 74 Resp: 10749

Ion	Ratio	Lower	Upper
74	100		
45	120.9	54.9	164.8

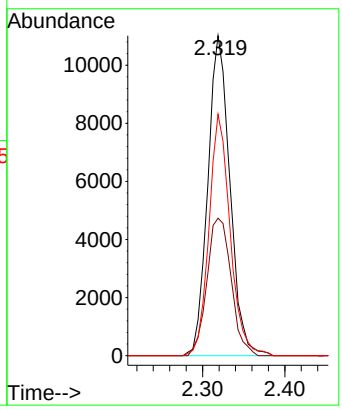




#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.599 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:101 Resp: 2057

Ion	Ratio	Lower	Upper
101	100		
85	47.0	38.6	58.0
151	72.4	55.2	82.8



Instrument :
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ClientSampleId :
VX0521WBS01

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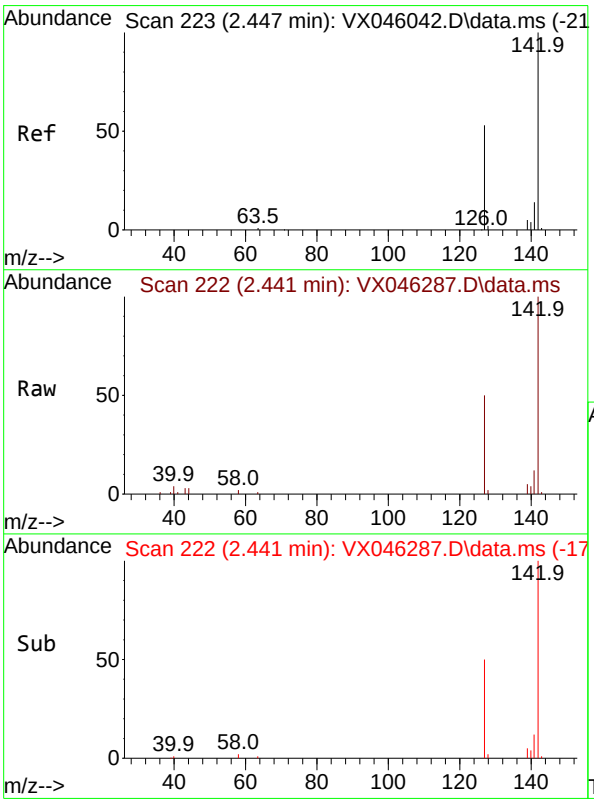
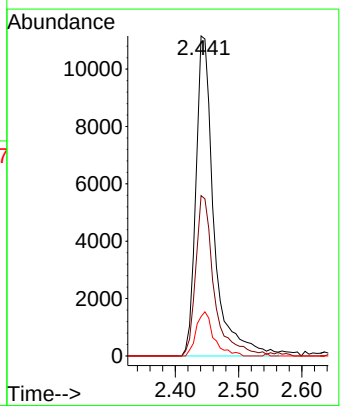
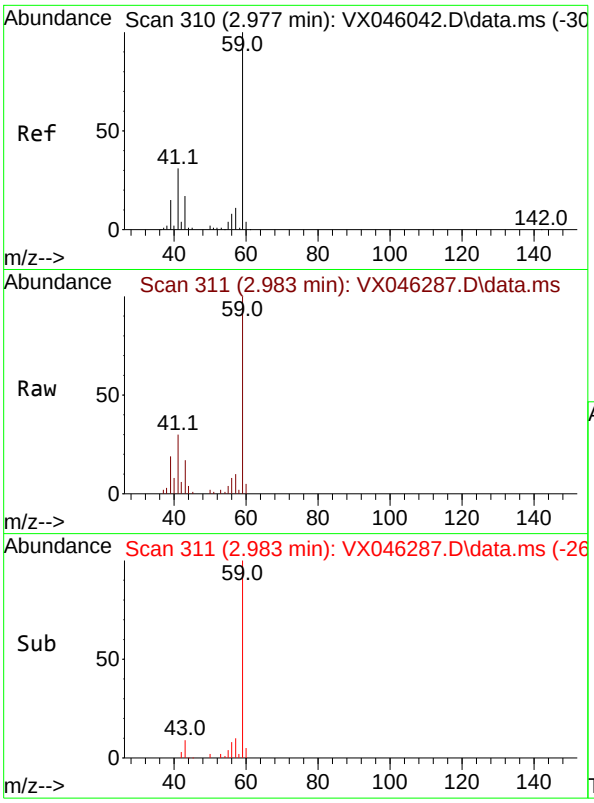


#10
Methyl Iodide
Concen: 17.906 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:142 Resp: 22245

Ion	Ratio	Lower	Upper
142	100		
127	51.0	41.7	62.5
141	13.4	11.5	17.3

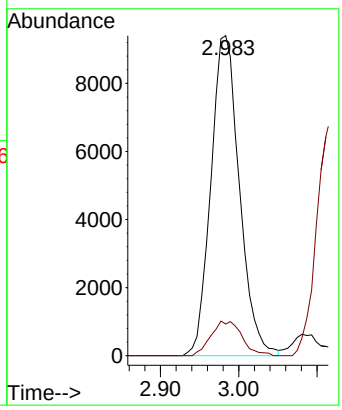




#11
Tert butyl alcohol
Concen: 109.655 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 59 Resp: 2384

Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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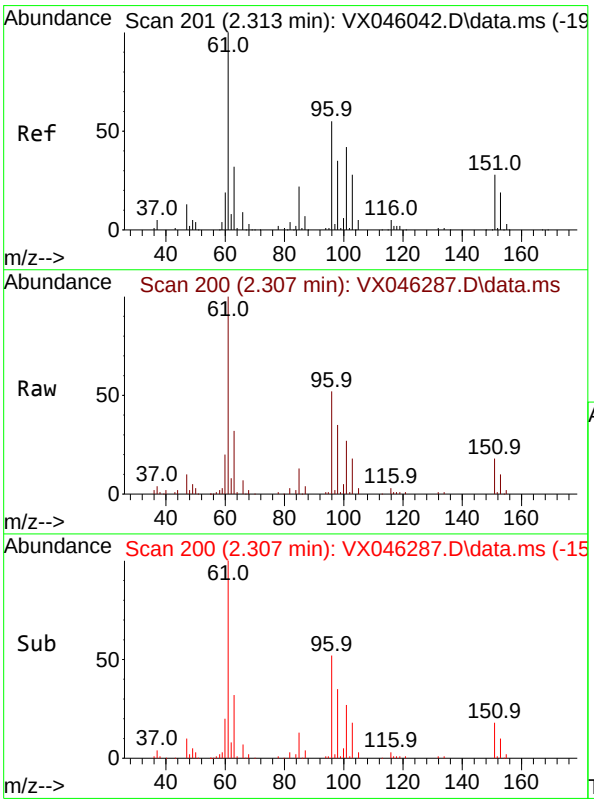
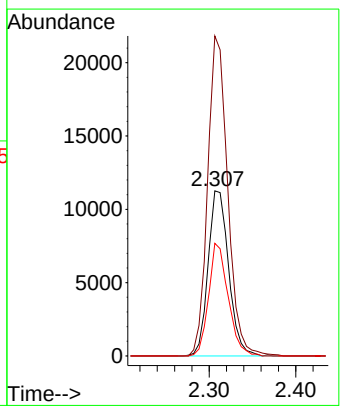
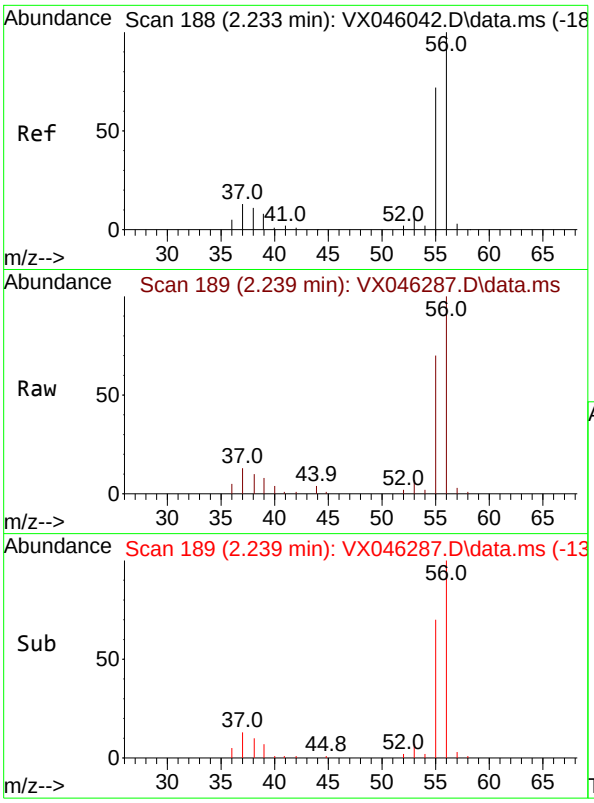


#12
1,1-Dichloroethene
Concen: 18.807 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 96 Resp: 18532

Ion	Ratio	Lower	Upper
96	100		
61	193.7	146.2	219.2
98	68.2	51.0	76.6

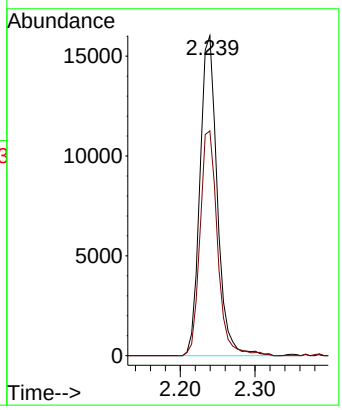




#13
Acrolein
Concen: 104.204 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 56 Resp: 2580

Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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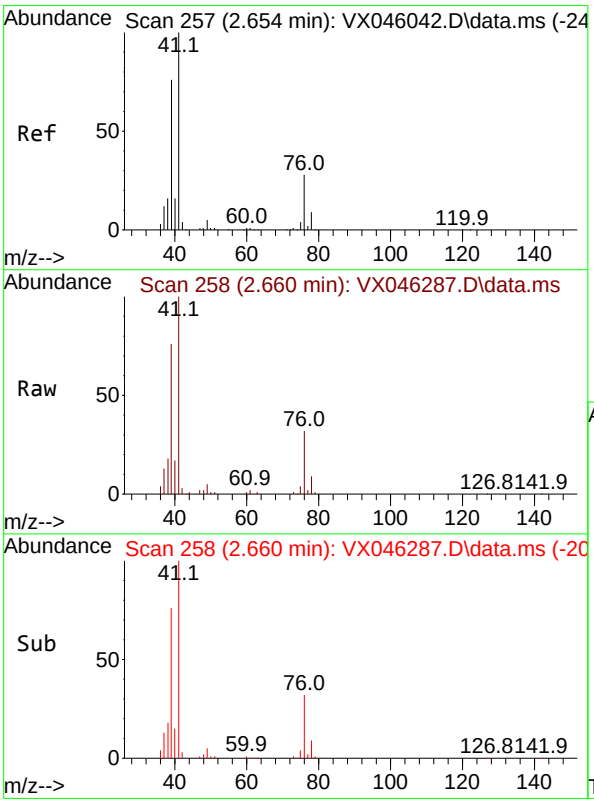
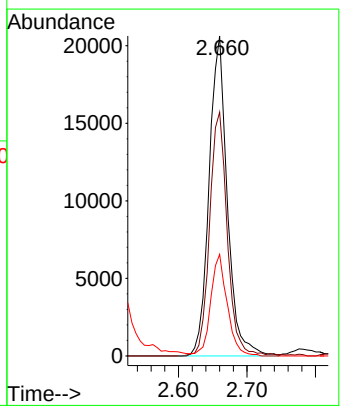
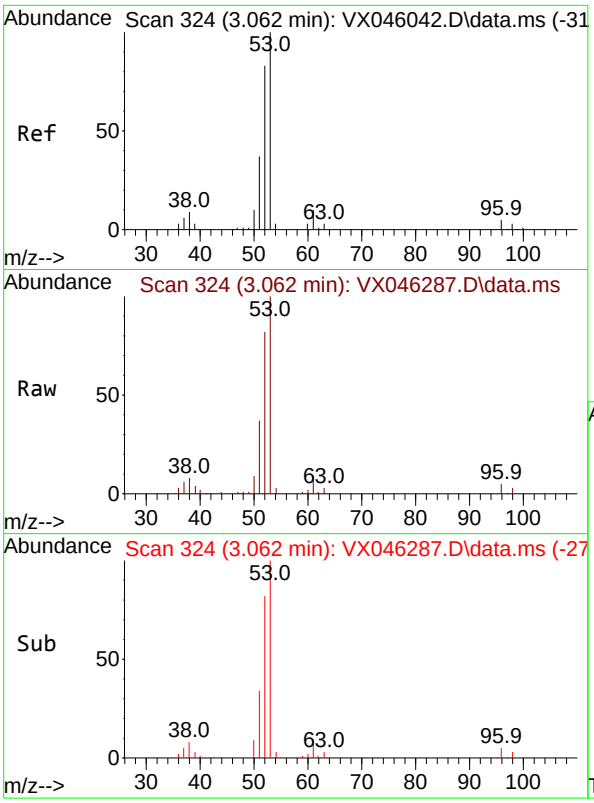


#14
Allyl chloride
Concen: 20.216 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 41 Resp: 38072

Ion	Ratio	Lower	Upper
41	100		
39	74.1	60.6	90.8
76	28.9	24.9	37.3

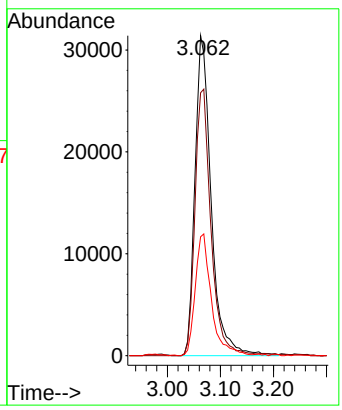




#15
Acrylonitrile
Concen: 107.114 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 53 Resp: 6660

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.3	97.9
51	38.0	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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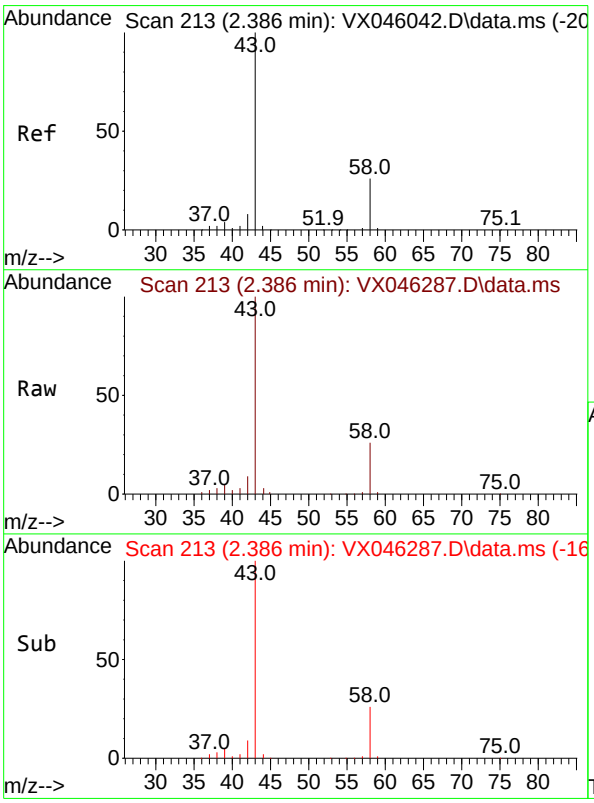
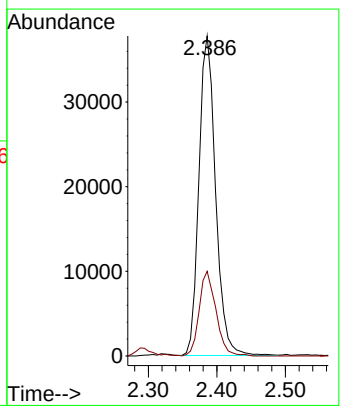
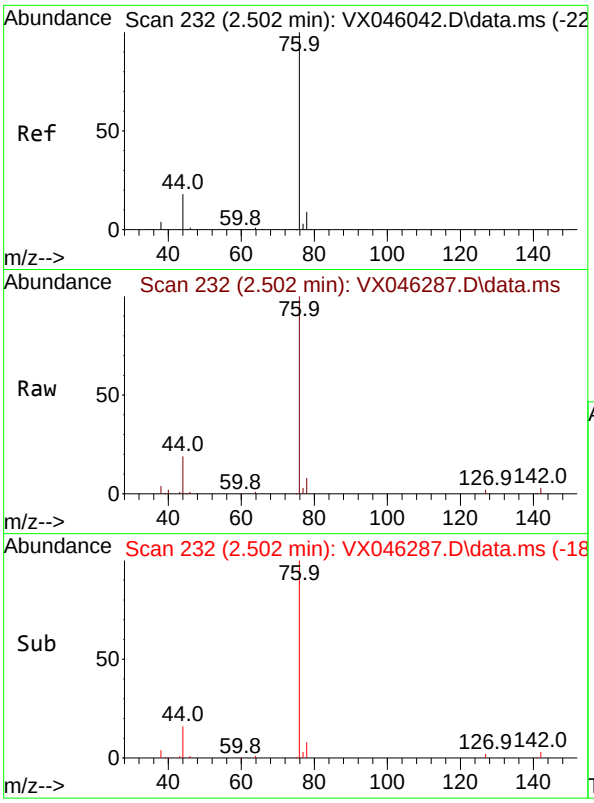


#16
Acetone
Concen: 102.986 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 63974

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8





#17
Carbon Disulfide
Concen: 15.647 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 76 Resp: 3655

Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
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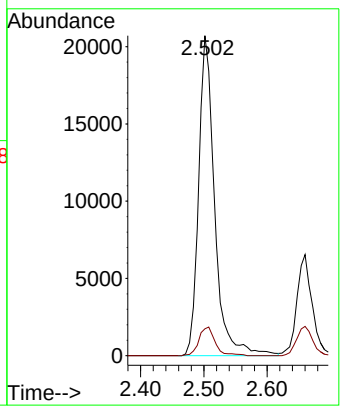
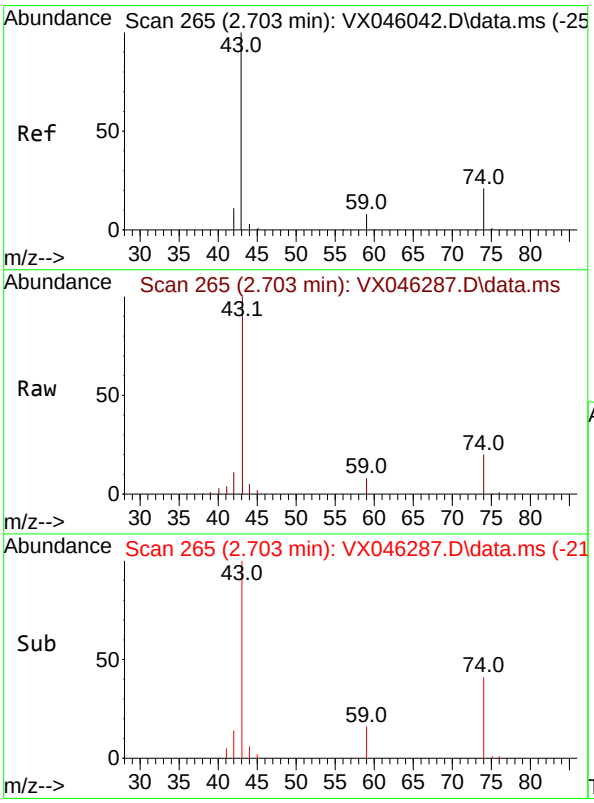
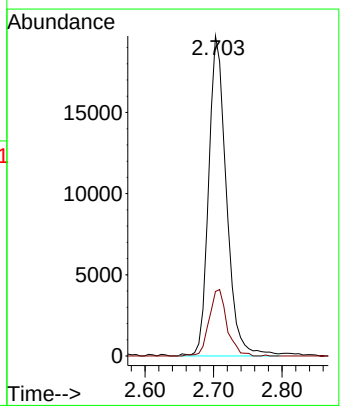


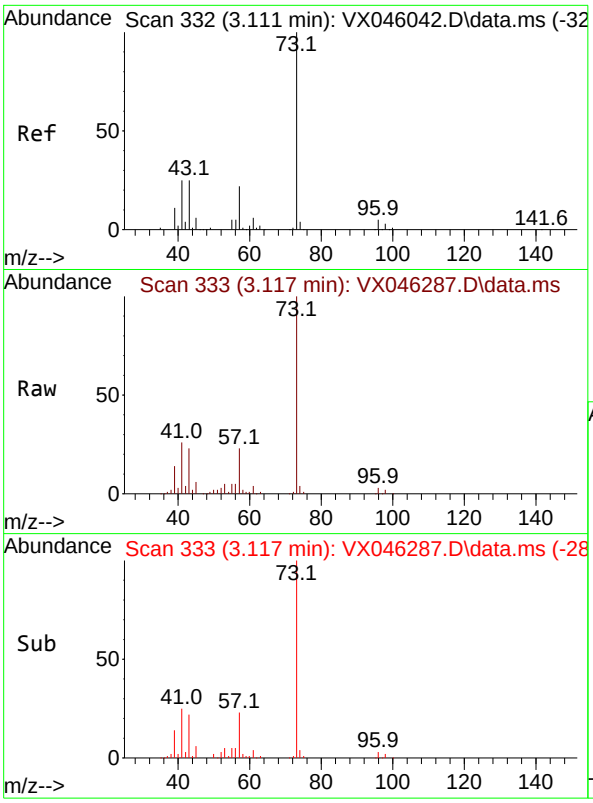


#18
Methyl Acetate
Concen: 24.639 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 35517

Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1

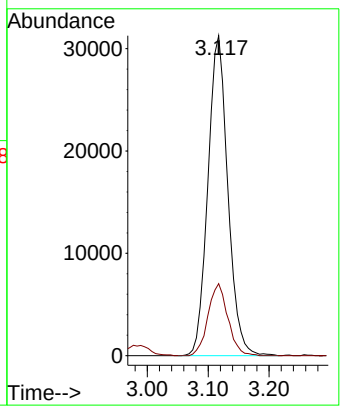




#19
Methyl tert-butyl Ether
Concen: 20.570 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 73 Resp: 7106

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.7	26.5



Instrument :
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ClientSampleId :
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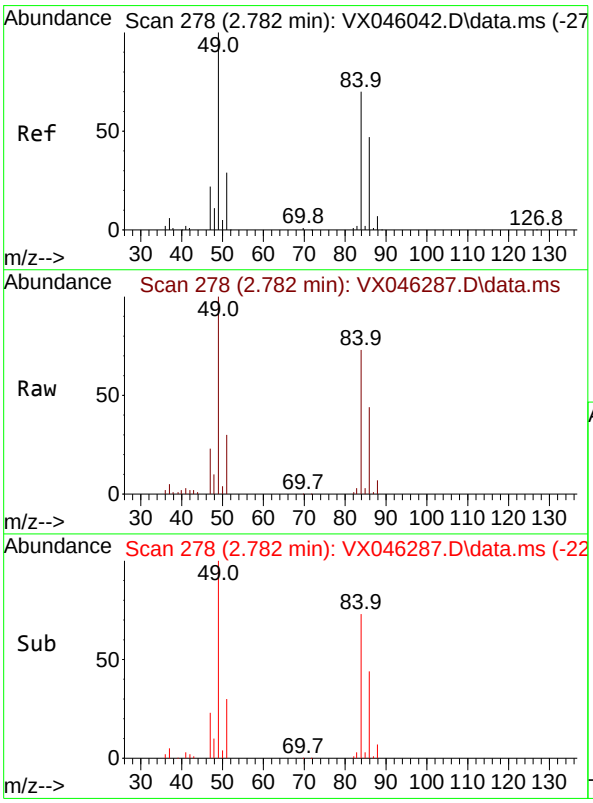
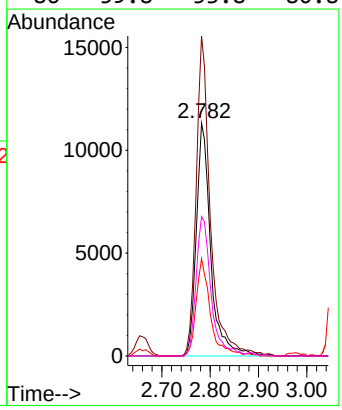
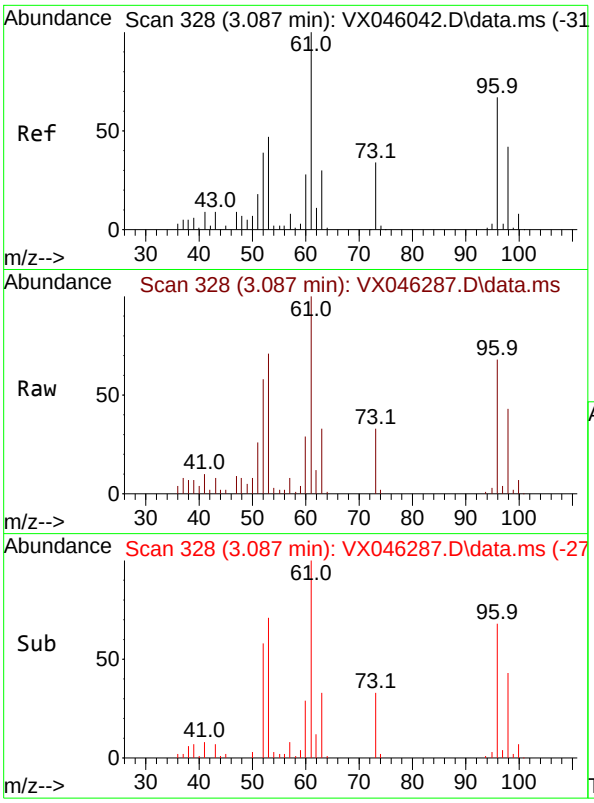


#20
Methylene Chloride
Concen: 19.676 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 84 Resp: 23422

Ion	Ratio	Lower	Upper
84	100		
49	137.5	113.9	170.9
51	41.8	33.5	50.3
86	59.8	53.8	80.8

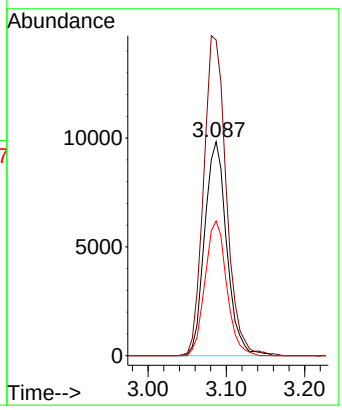




#21
trans-1,2-Dichloroethene
Concen: 19.451 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 96 Resp: 1927

Ion	Ratio	Lower	Upper
96	100		
61	147.6	119.5	179.3
98	63.0	50.0	75.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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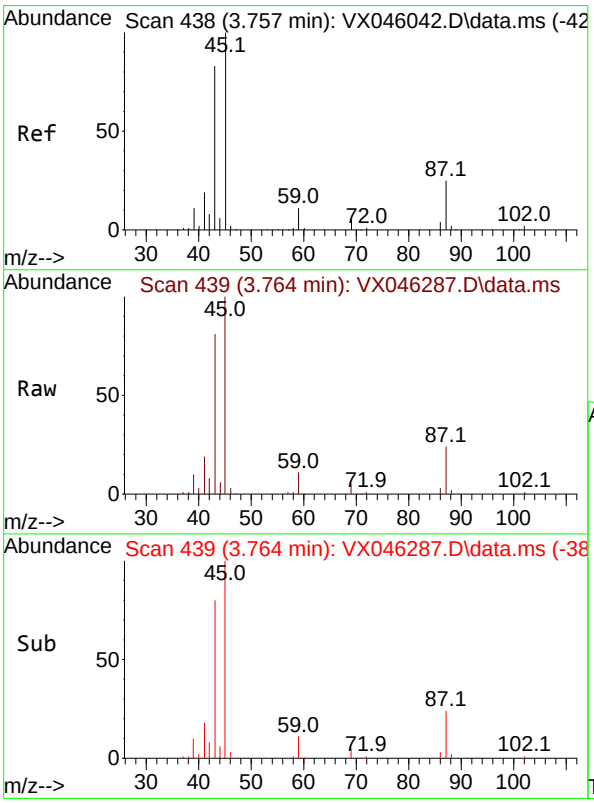
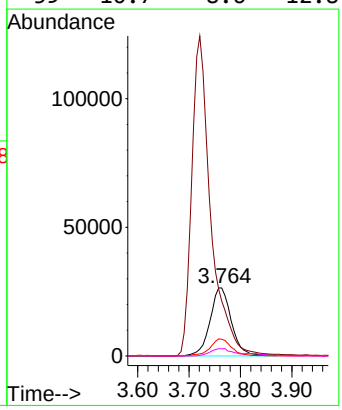
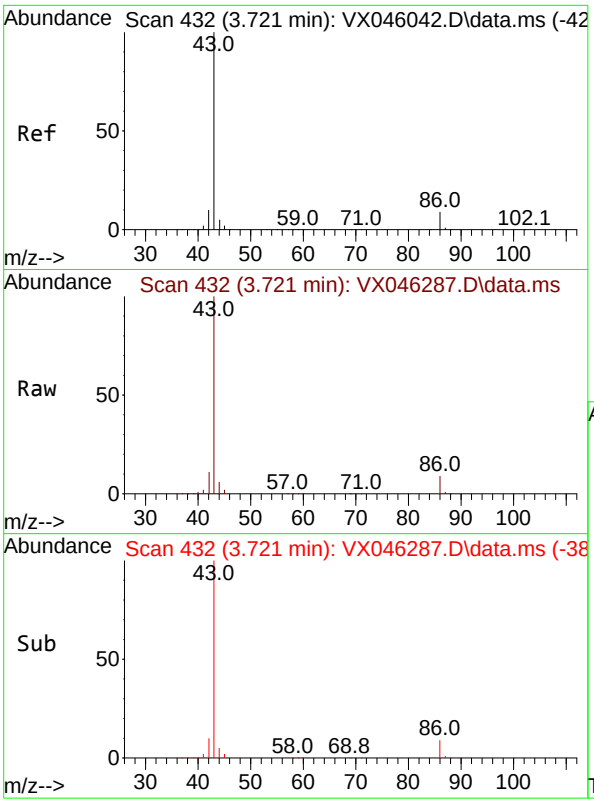


#22
Diisopropyl ether
Concen: 21.013 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 45 Resp: 76439

Ion	Ratio	Lower	Upper
45	100		
43	79.7	66.6	100.0
87	24.5	19.8	29.6
59	10.7	8.6	12.8

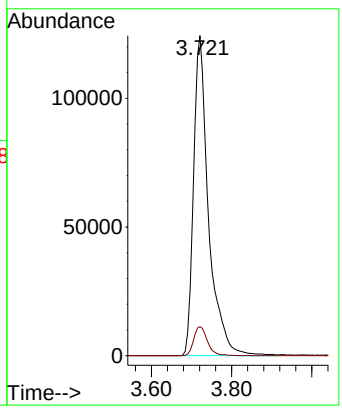




#23
Vinyl Acetate
Concen: 100.856 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 32269

Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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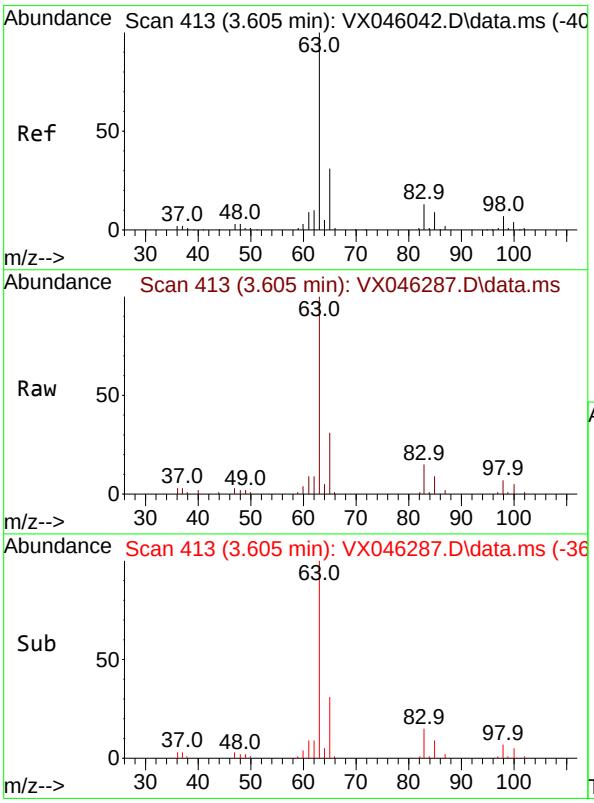
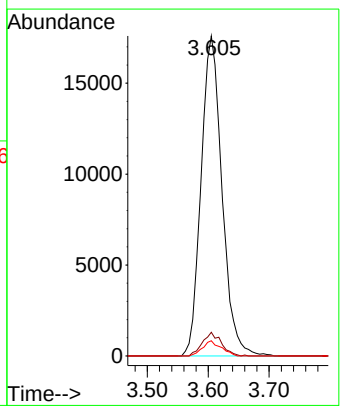
Supervised By :Mahesh Dadoda 05/22/2025

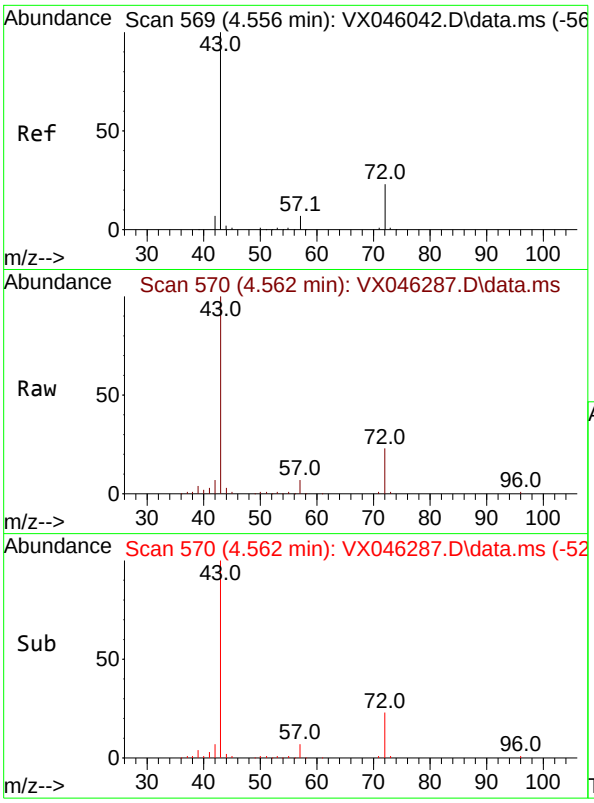


#24
1,1-Dichloroethane
Concen: 20.762 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 63 Resp: 42066

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.8
100	4.8	2.1	6.3

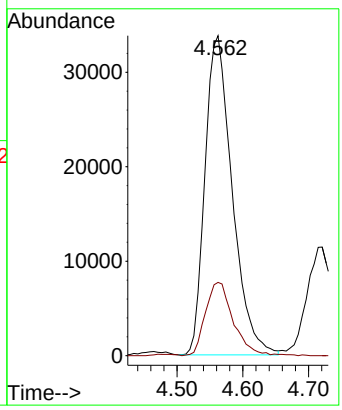




#25
2-Butanone
Concen: 107.880 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 9729

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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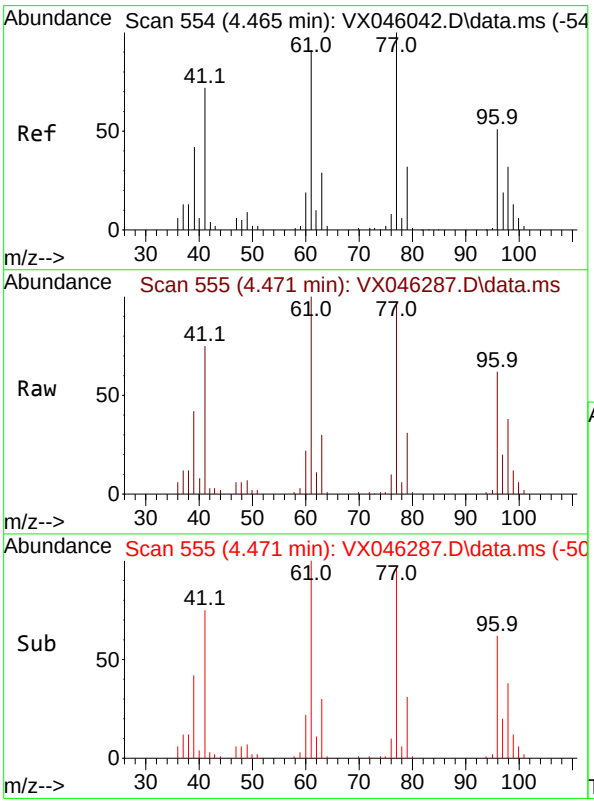
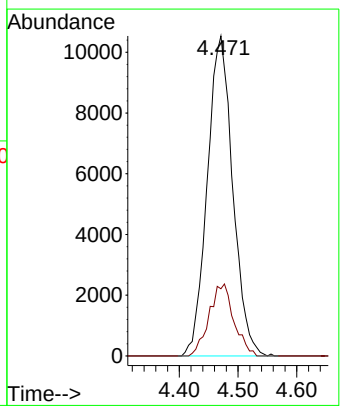
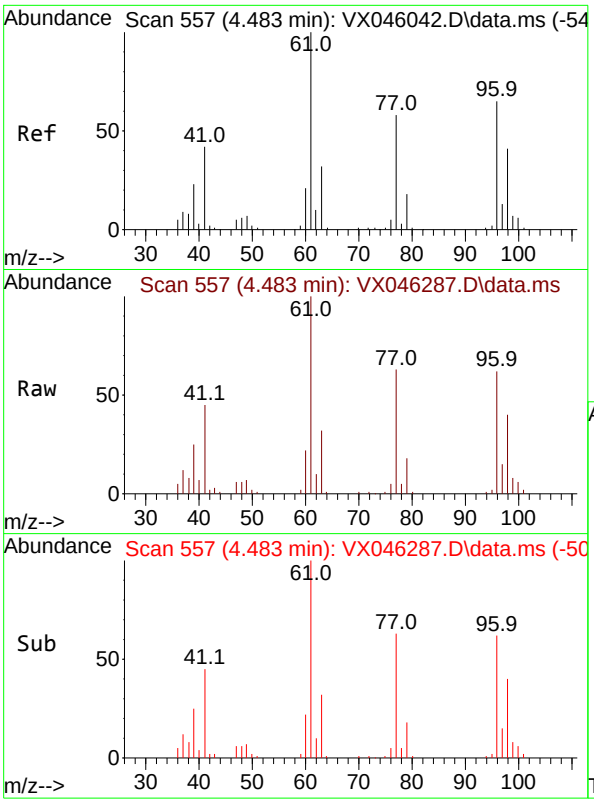


#26
2,2-Dichloropropane
Concen: 20.038 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 77 Resp: 31778

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.5	31.5

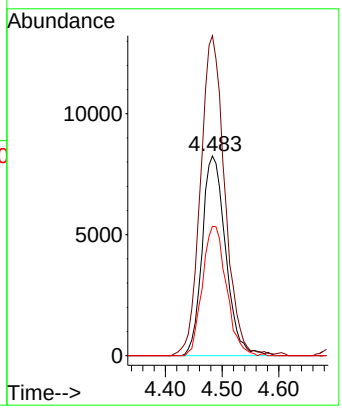




#27
cis-1,2-Dichloroethene
Concen: 19.904 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 96 Resp: 2374

Ion	Ratio	Lower	Upper
96	100		
61	165.6	0.0	322.8
98	65.9	0.0	129.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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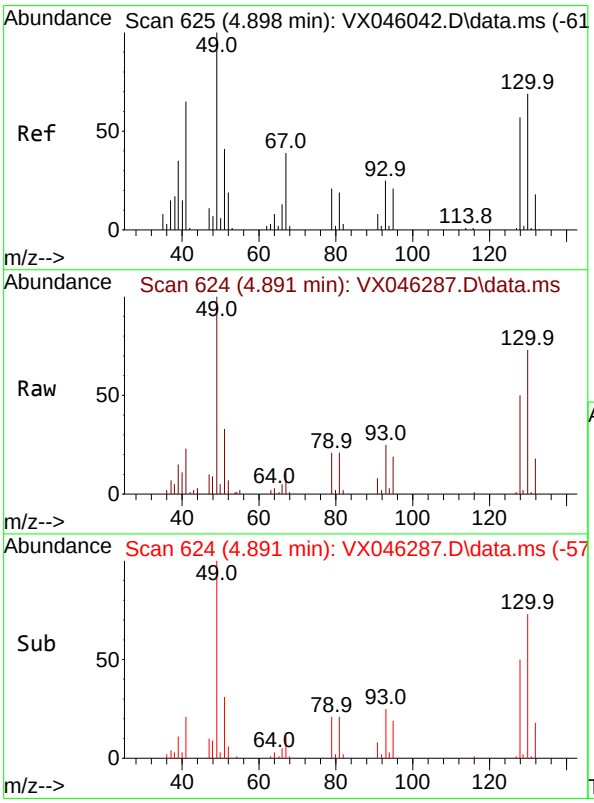
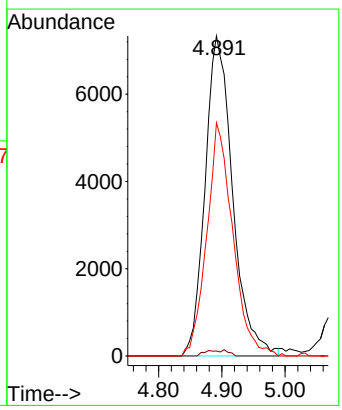
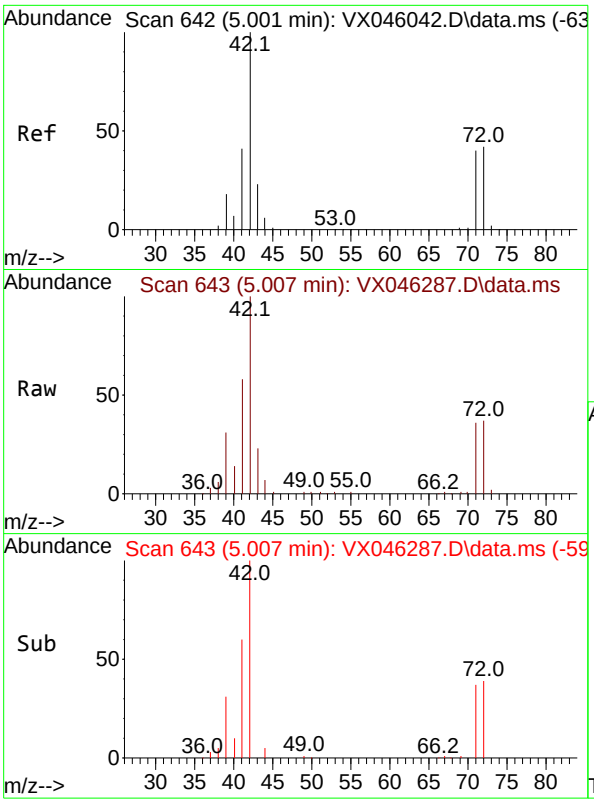


#28
Bromochloromethane
Concen: 22.721 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 49 Resp: 22159

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.0
130	69.1	56.2	84.2

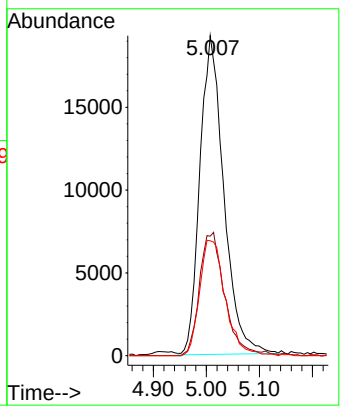




#29
Tetrahydrofuran
Concen: 106.791 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 42 Resp: 6034

Ion	Ratio	Lower	Upper
42	100		
72	40.7	33.7	50.5
71	38.7	31.4	47.2



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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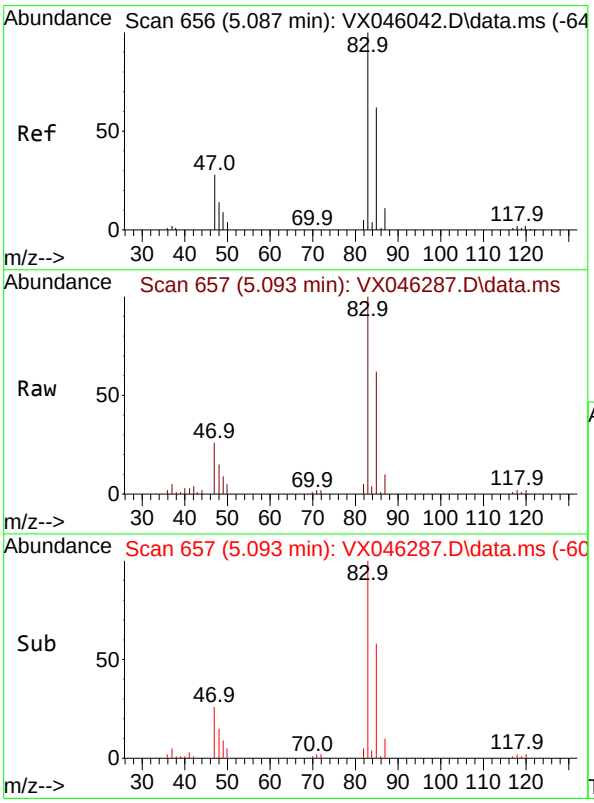
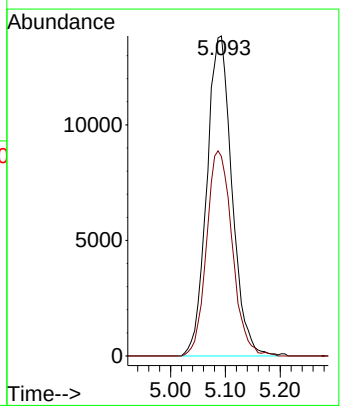
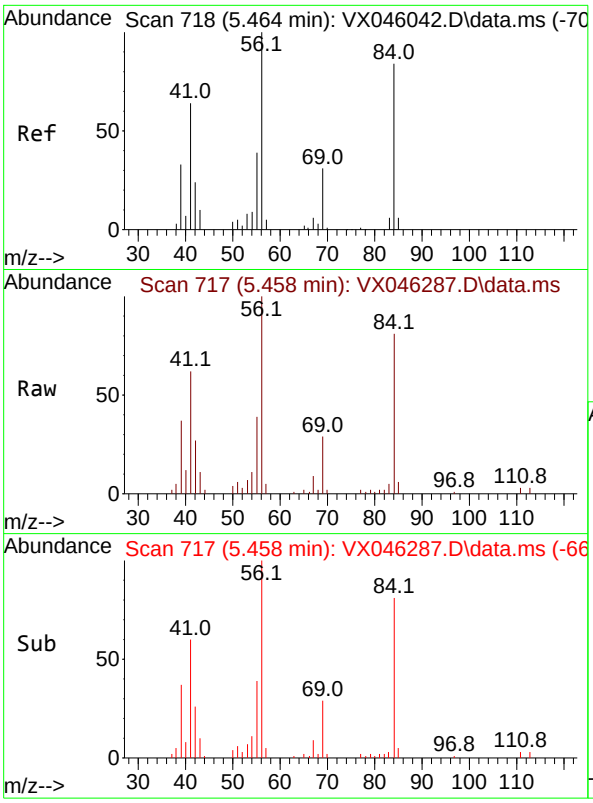


#30
Chloroform
Concen: 20.880 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 83 Resp: 44097

Ion	Ratio	Lower	Upper
83	100		
85	62.3	49.3	73.9

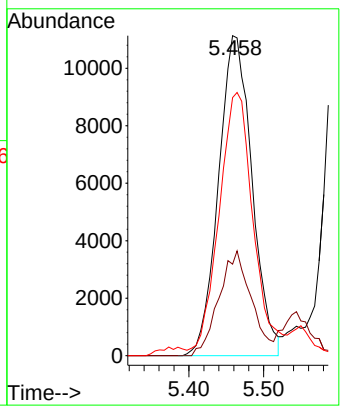




#31
Cyclohexane
Concen: 18.777 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 56 Resp: 3466

Ion	Ratio	Lower	Upper
56	100		
69	28.6	24.4	36.6
84	78.0	66.9	100.3



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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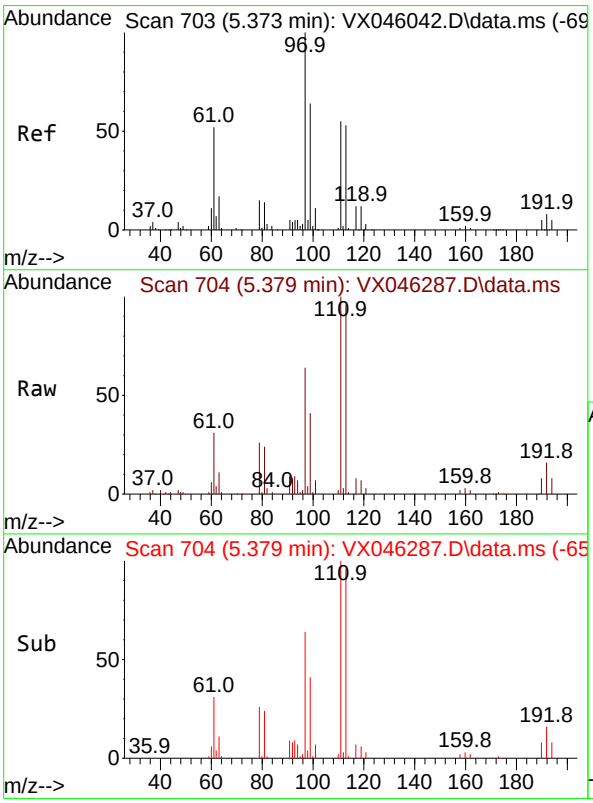
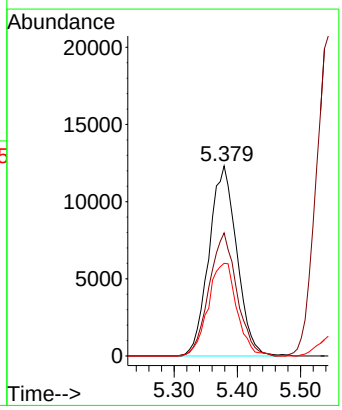
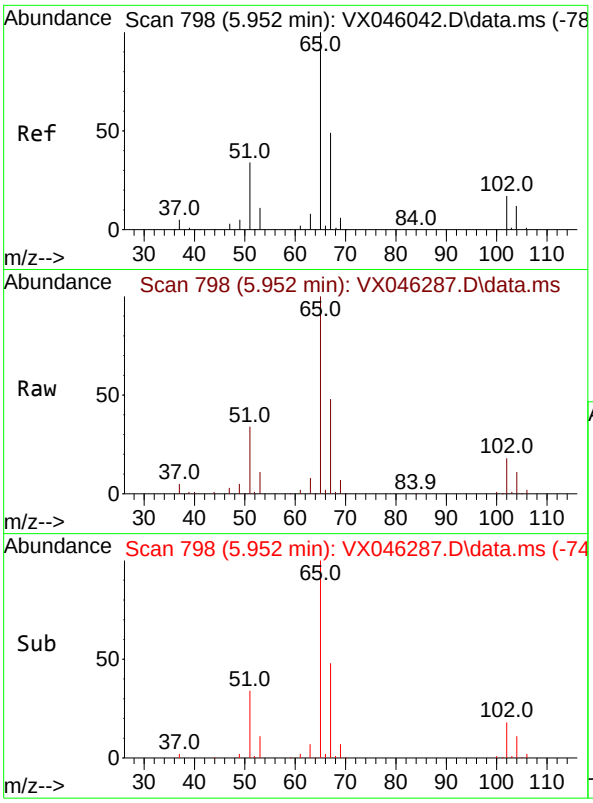


#32
1,1,1-Trichloroethane
Concen: 20.513 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 97 Resp: 37552

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.6
61	50.4	40.1	60.1

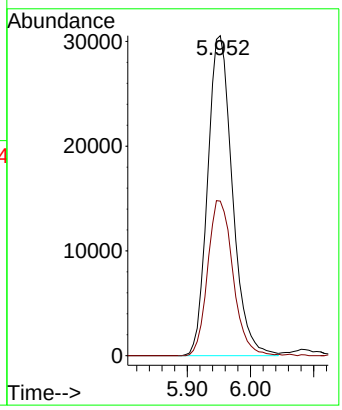




#33
1,2-Dichloroethane-d4
Concen: 53.650 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 65 Resp: 8312

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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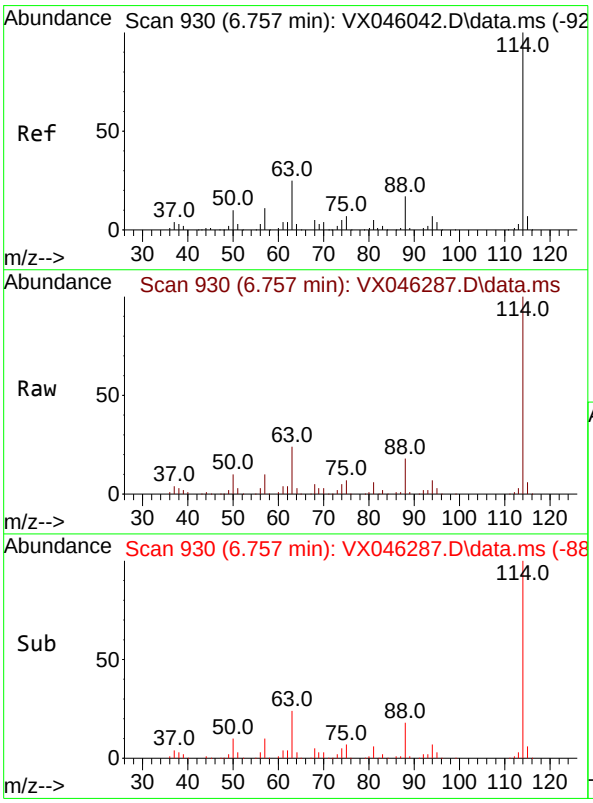
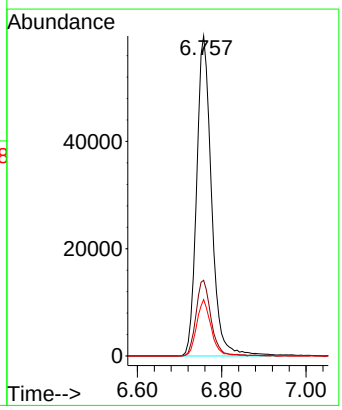
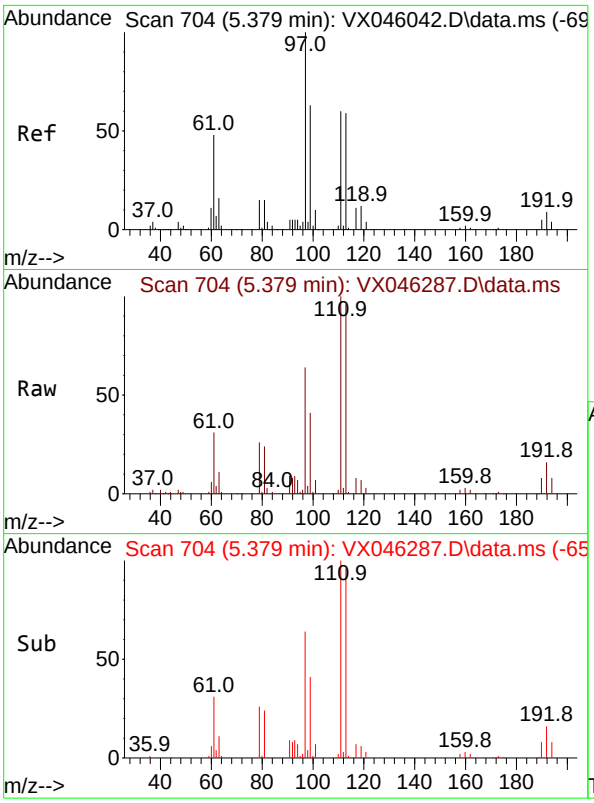


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:114 Resp: 146697

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	49.2
88	17.6	0.0	33.6

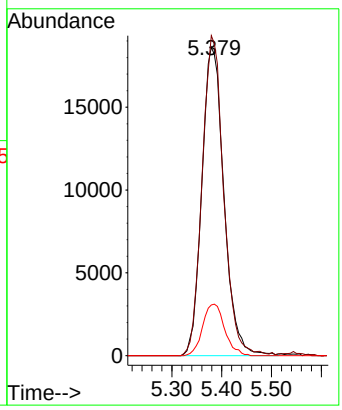




#35
Dibromofluoromethane
Concen: 54.310 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:113 Resp: 5737

Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.1	124.7
192	16.6	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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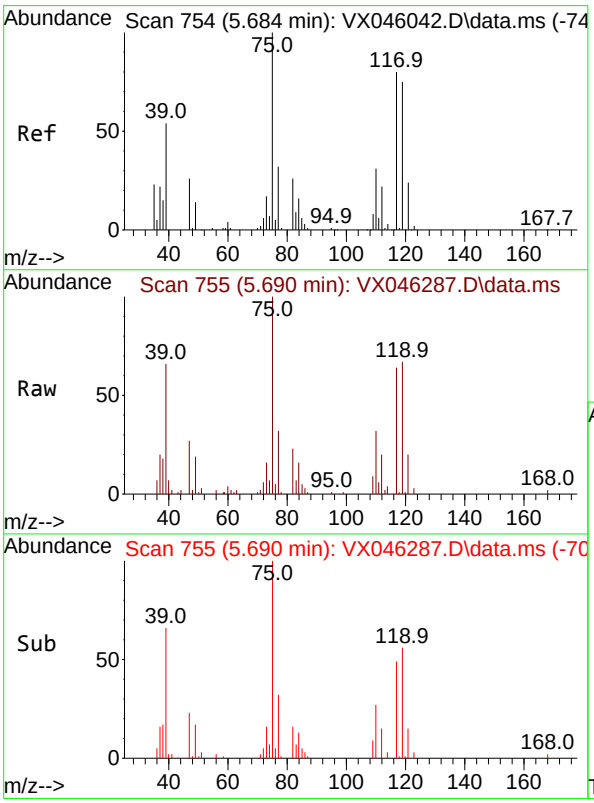
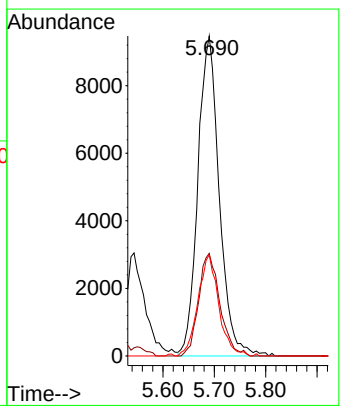
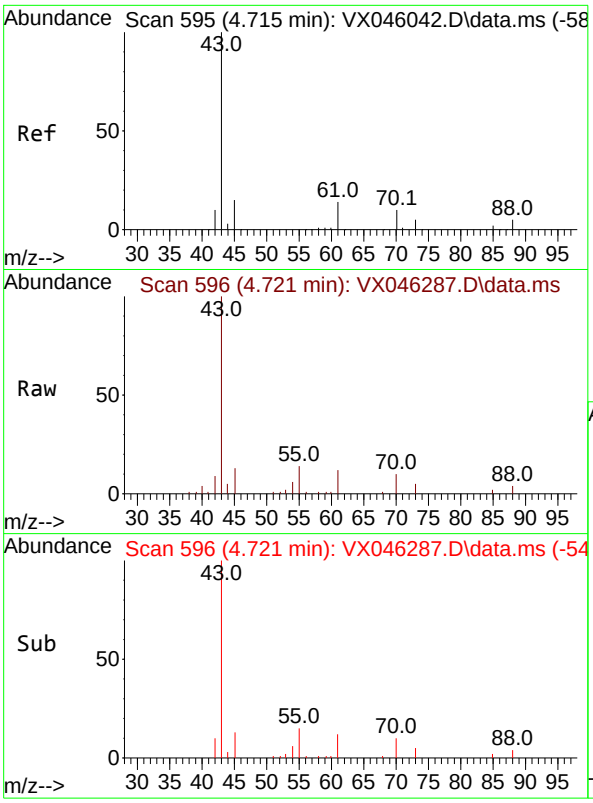


#36
1,1-Dichloropropene
Concen: 19.318 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 75 Resp: 27419

Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.3	48.9
77	30.6	24.3	36.5





#37
Ethyl Acetate
Concen: 19.662 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 3447

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.3	15.5
70	10.1	7.9	11.9

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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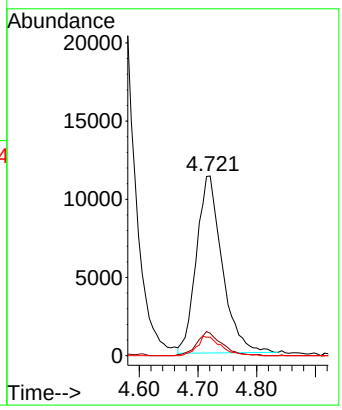
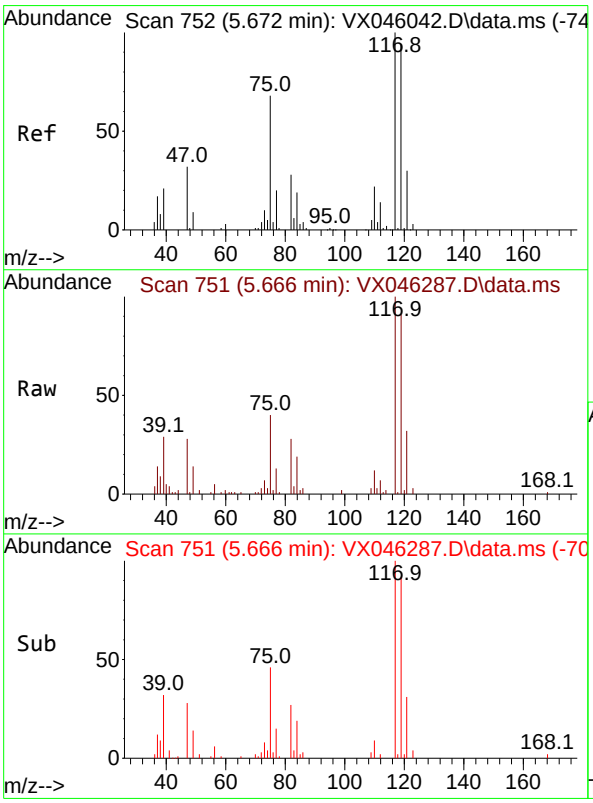
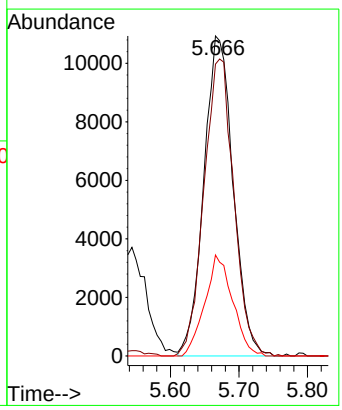


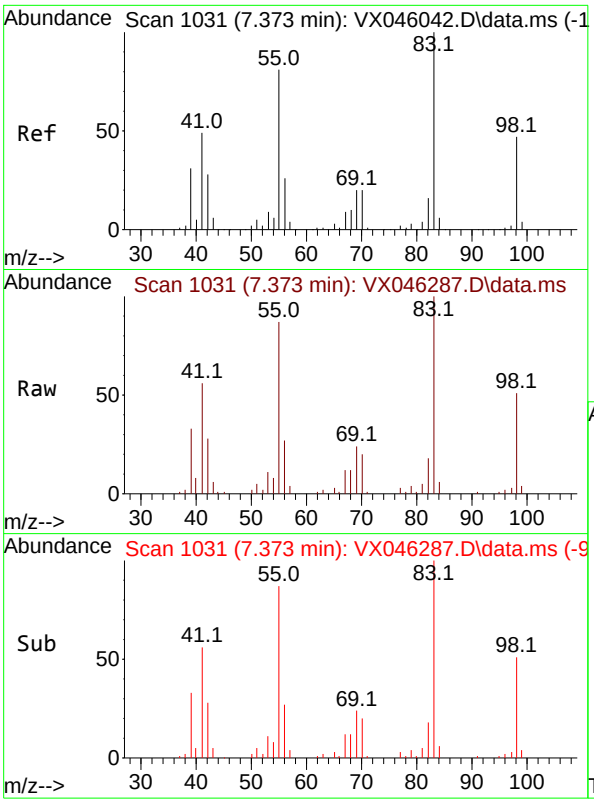


#38
Carbon Tetrachloride
Concen: 20.358 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:117 Resp: 32466

Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.2	112.8
121	31.6	24.2	36.4

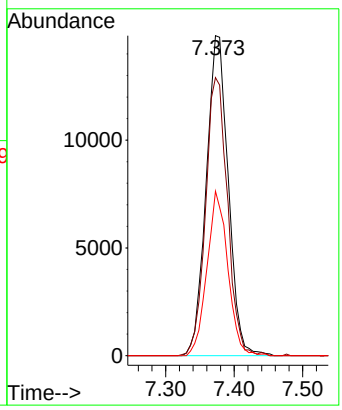




#39
Methylcyclohexane
Concen: 18.179 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 83 Resp: 3321

Ion	Ratio	Lower	Upper
83	100		
55	86.9	64.7	97.1
98	51.4	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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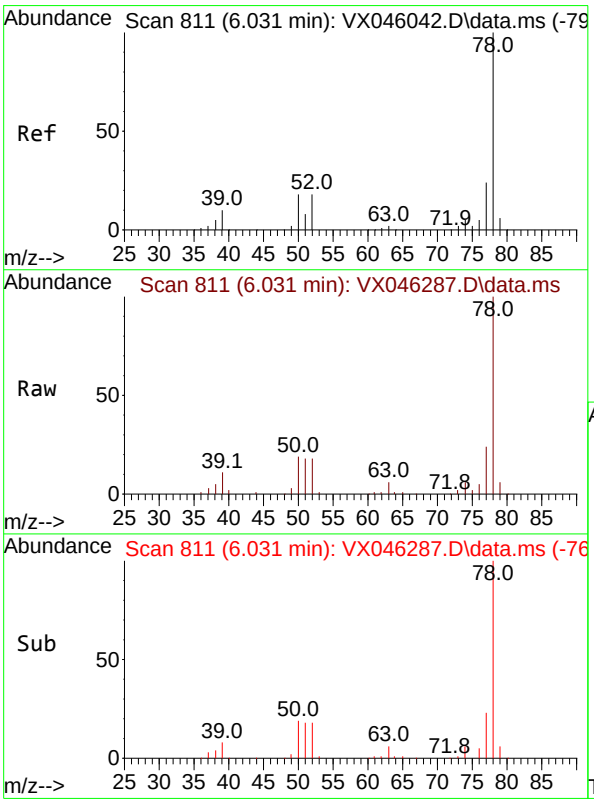
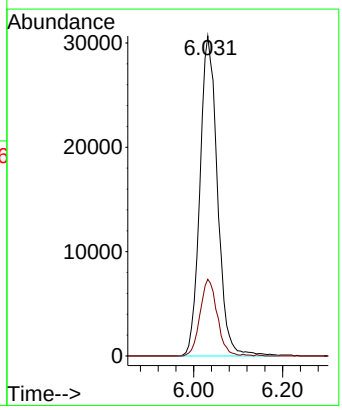
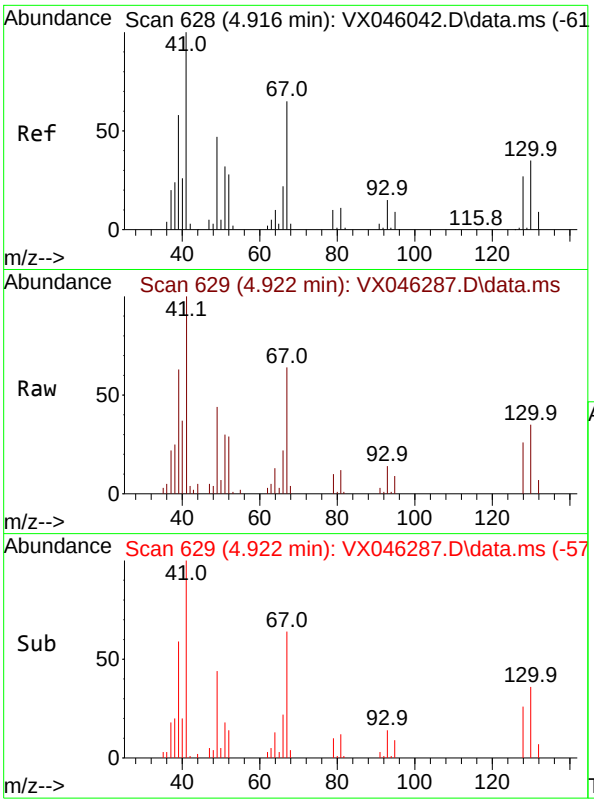


#40
Benzene
Concen: 20.305 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 78 Resp: 84417

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4

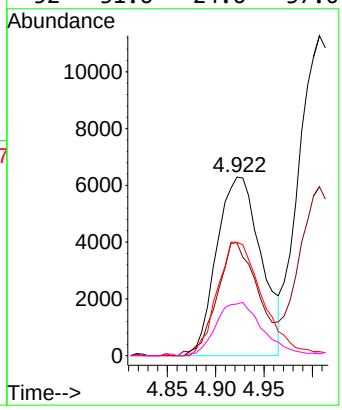




#41
Methacrylonitrile
Concen: 21.927 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 41 Resp: 2011

Ion	Ratio	Lower	Upper
41	100		
39	57.0	47.2	70.8
67	65.5	50.7	76.1
52	31.6	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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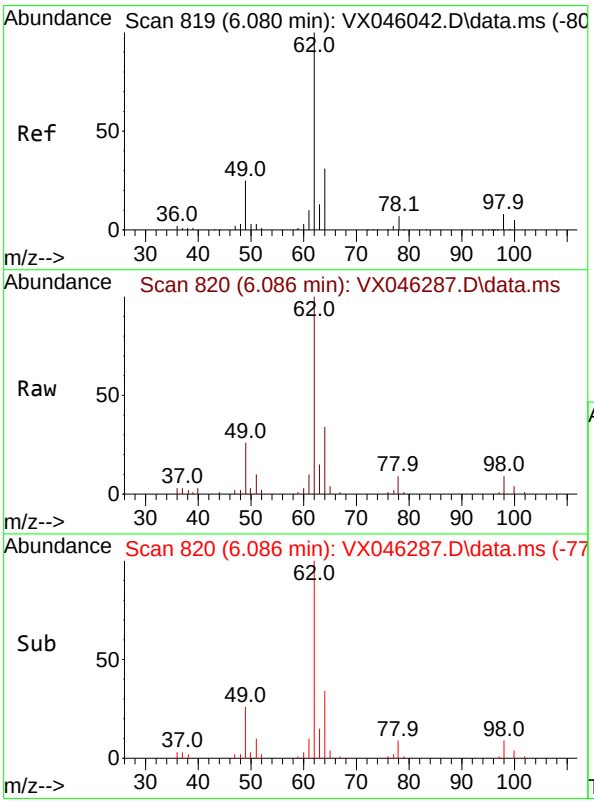
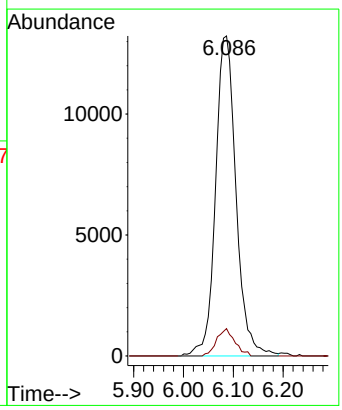
Supervised By :Mahesh Dadoda 05/22/2025

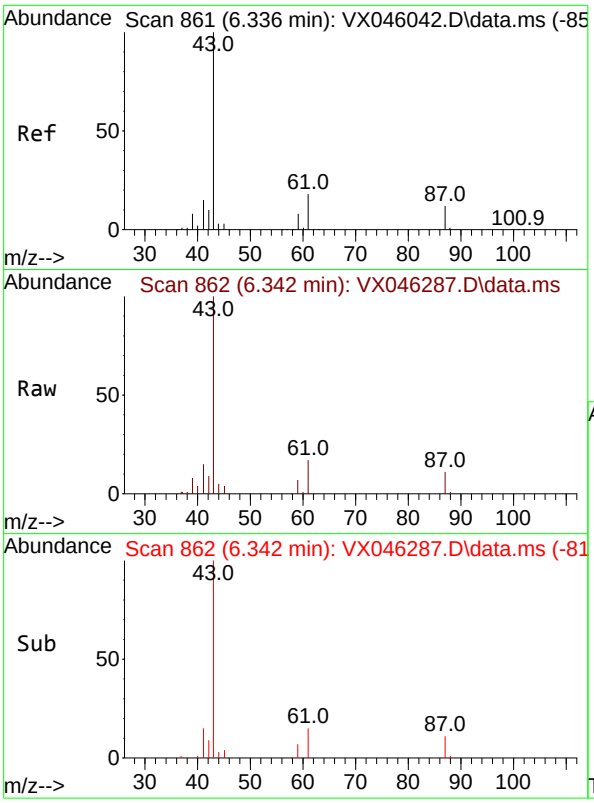


#42
1,2-Dichloroethane
Concen: 21.028 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 62 Resp: 37731

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2





#43
Isopropyl Acetate
Concen: 20.922 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 5597

Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.3	21.5
87	11.1	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
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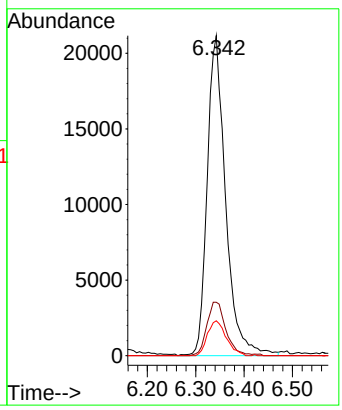
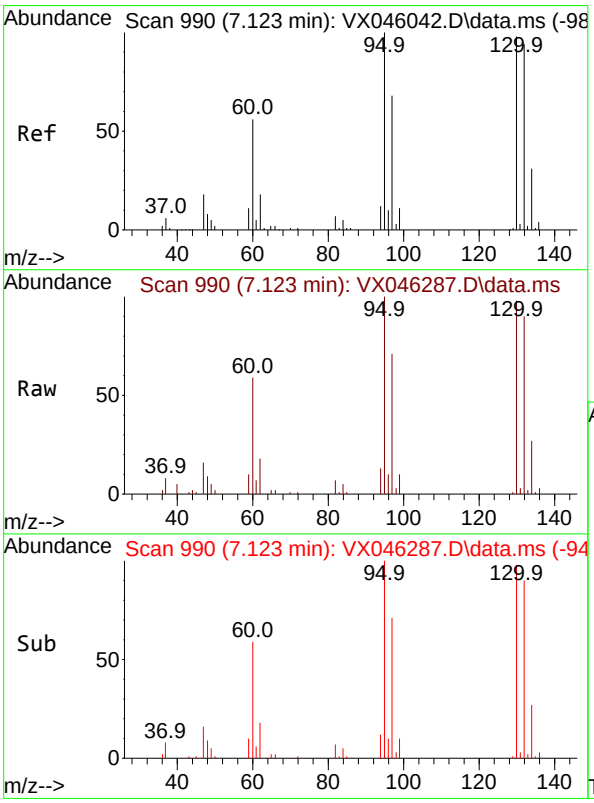
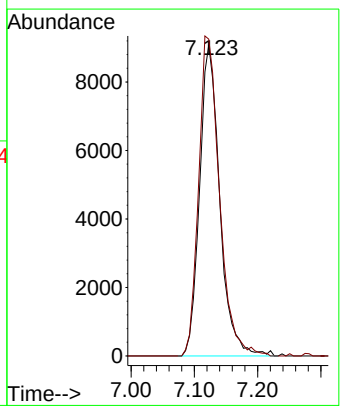


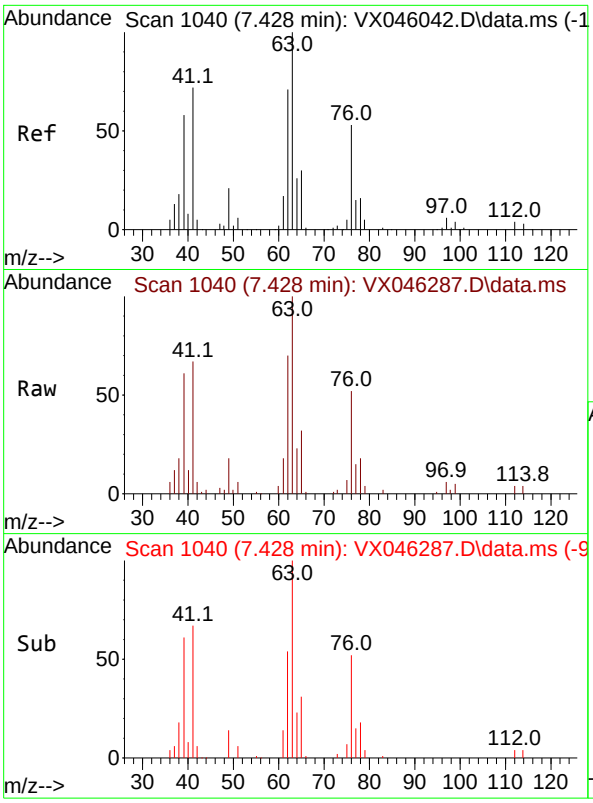


#44
Trichloroethene
Concen: 20.142 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:130 Resp: 20154

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	204.2

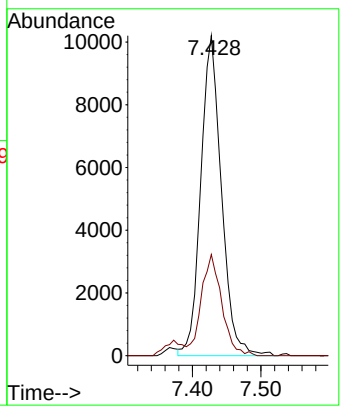




#45
1,2-Dichloropropane
Concen: 20.700 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 63 Resp: 2139

Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.1	36.1



Instrument :
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ClientSampleId :
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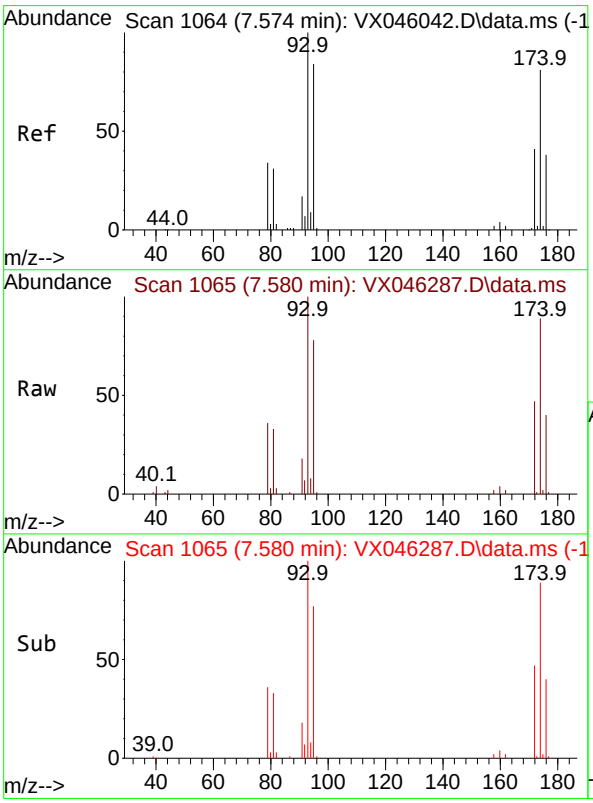
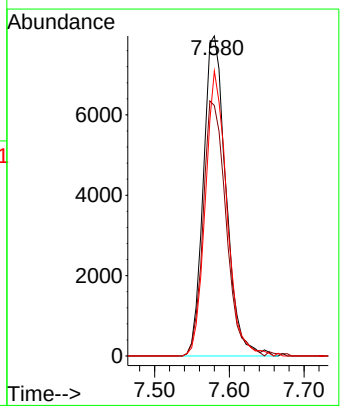
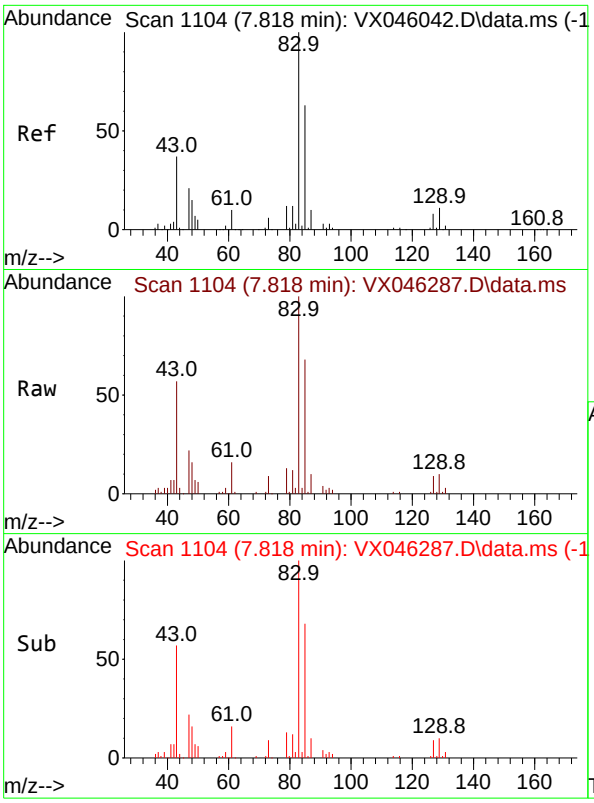


#46
Dibromomethane
Concen: 20.515 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 93 Resp: 16727

Ion	Ratio	Lower	Upper
93	100		
95	80.8	65.6	98.4
174	85.0	68.2	102.2

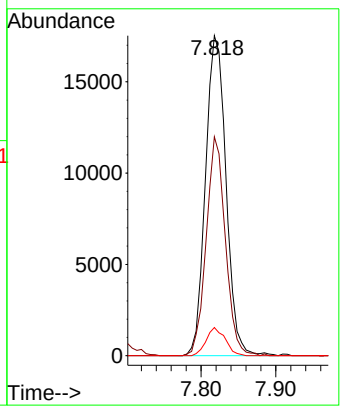




#47
Bromodichloromethane
Concen: 20.884 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 83 Resp: 3353

Ion	Ratio	Lower	Upper
83	100		
85	68.4	50.5	75.7
127	8.8	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
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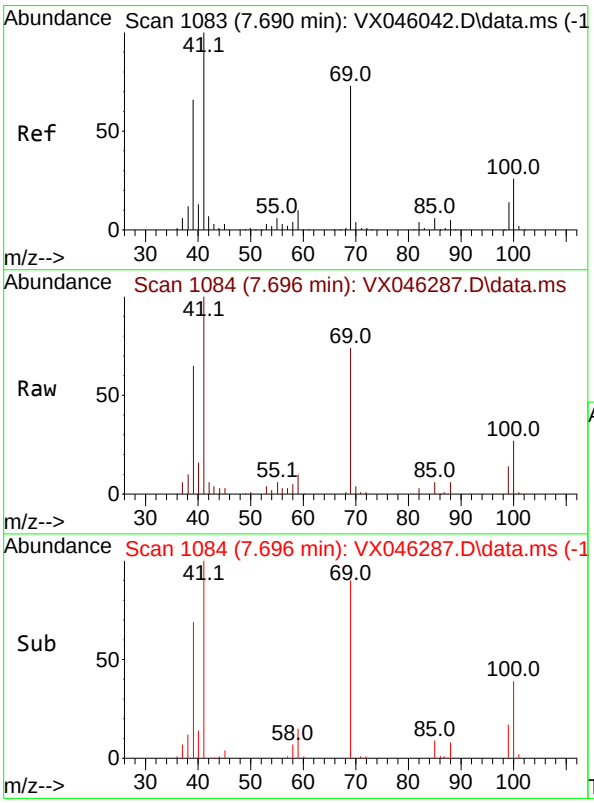
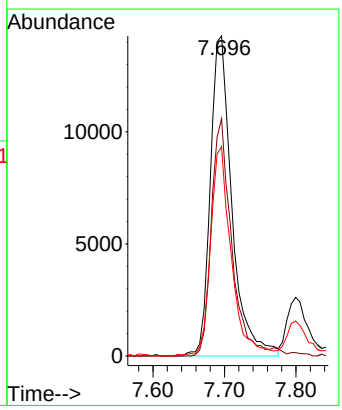
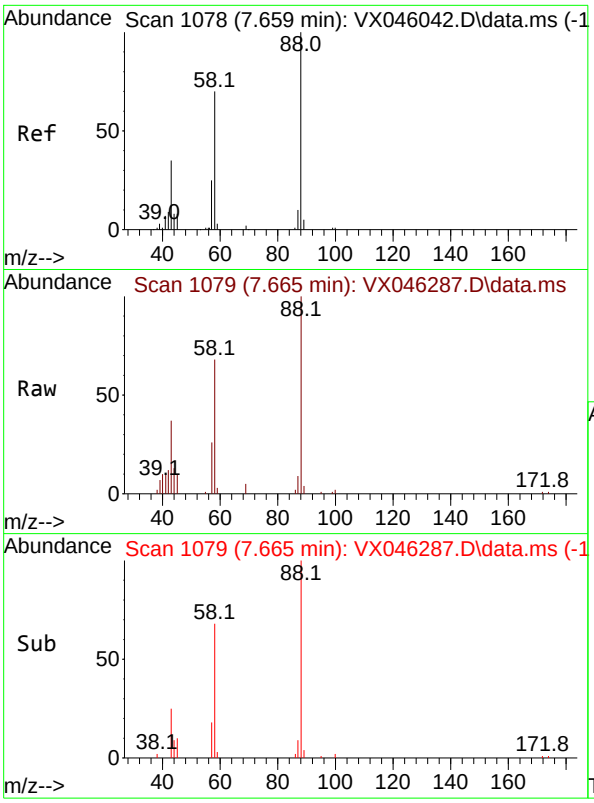


#48
Methyl methacrylate
Concen: 21.893 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 41 Resp: 29912

Ion	Ratio	Lower	Upper
41	100		
69	69.0	58.5	87.7
39	62.8	51.7	77.5

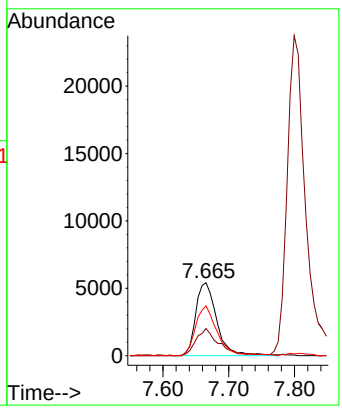




#49
1,4-Dioxane
Concen: 461.769 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 88 Resp: 1197

Ion	Ratio	Lower	Upper
88	100		
43	41.2	33.4	50.2
58	70.1	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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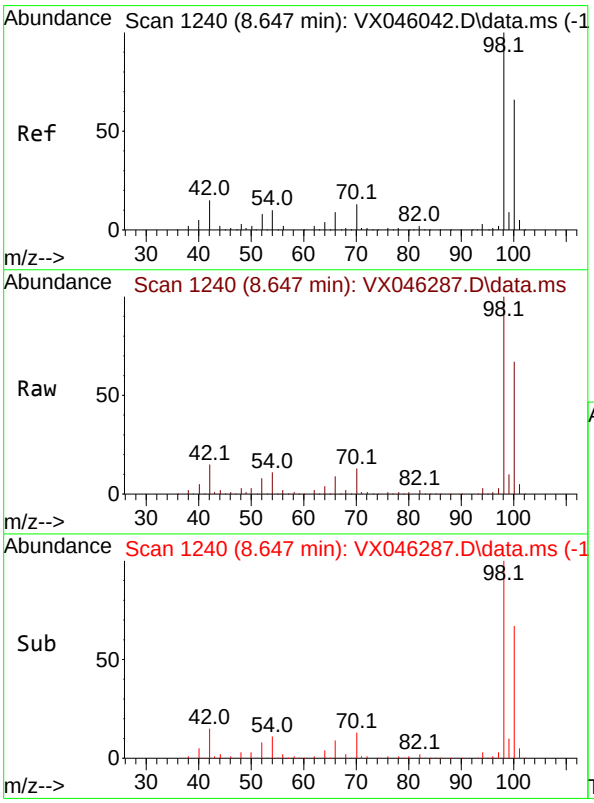
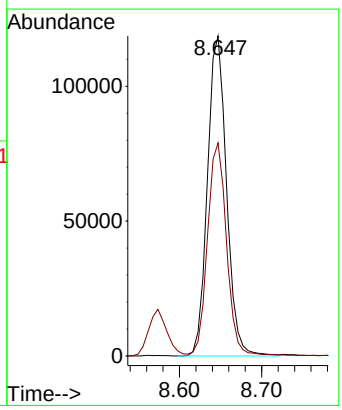
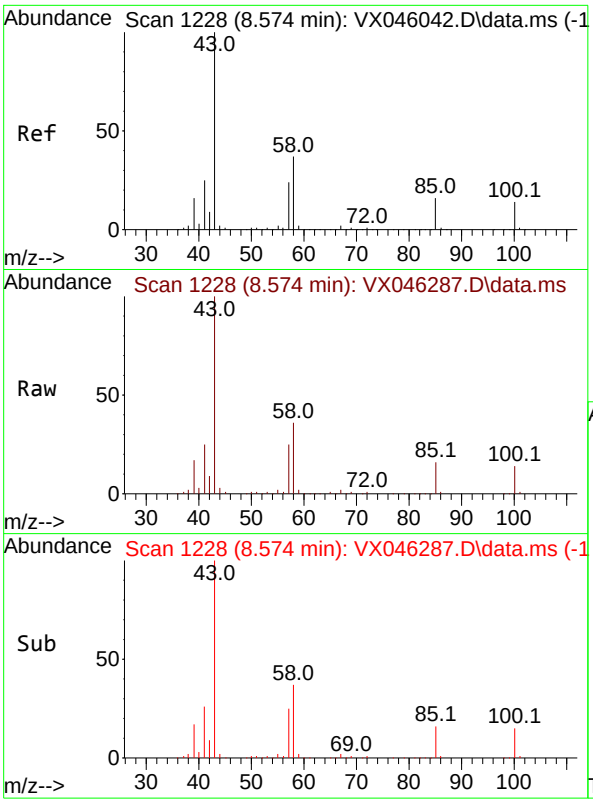


#50
Toluene-d8
Concen: 52.383 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 98 Resp: 191524

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.5	80.3

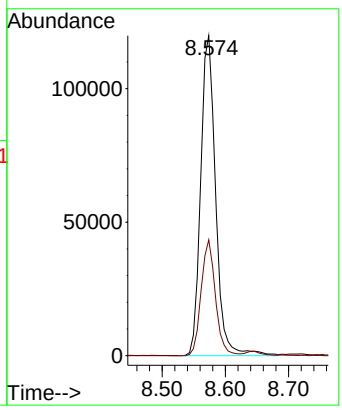




#51
4-Methyl-2-Pentanone
Concen: 111.451 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 19791

Ion	Ratio	Lower	Upper
43	100		
58	34.5	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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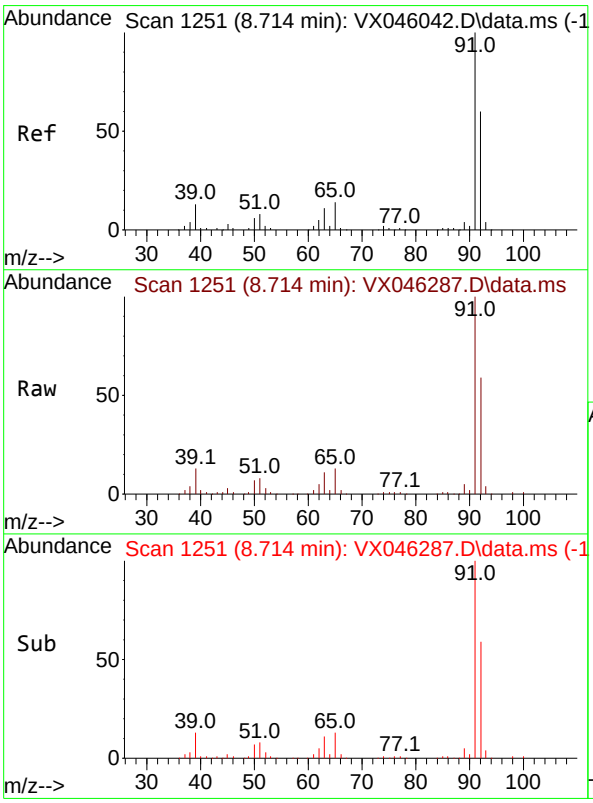
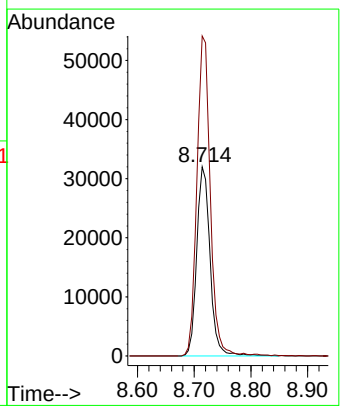
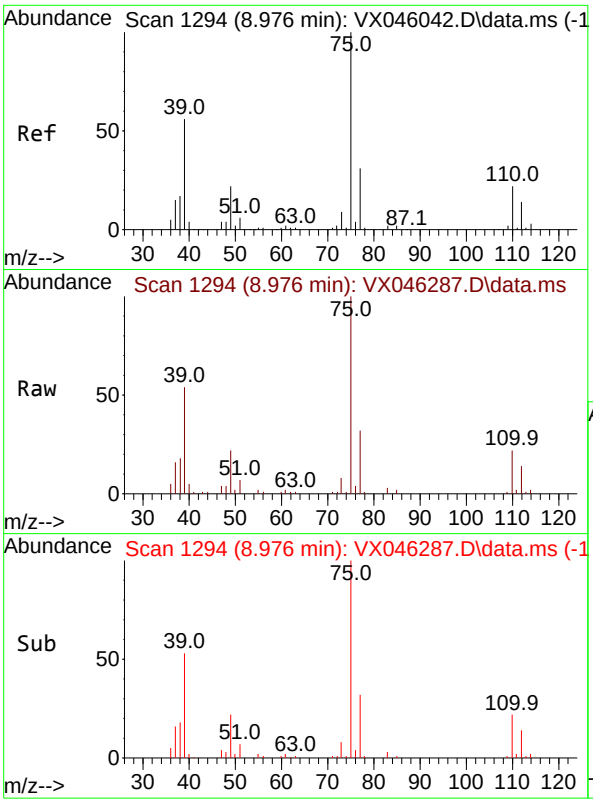


#52
Toluene
Concen: 20.494 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 92 Resp: 52243

Ion	Ratio	Lower	Upper
92	100		
91	169.3	136.6	205.0

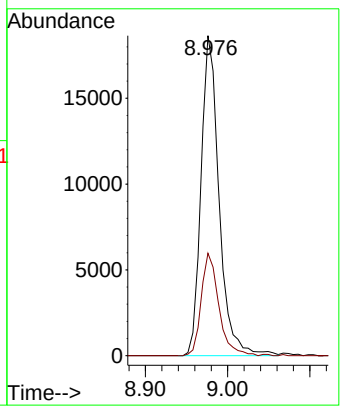




#53
t-1,3-Dichloropropene
Concen: 19.935 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 75 Resp: 2845

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
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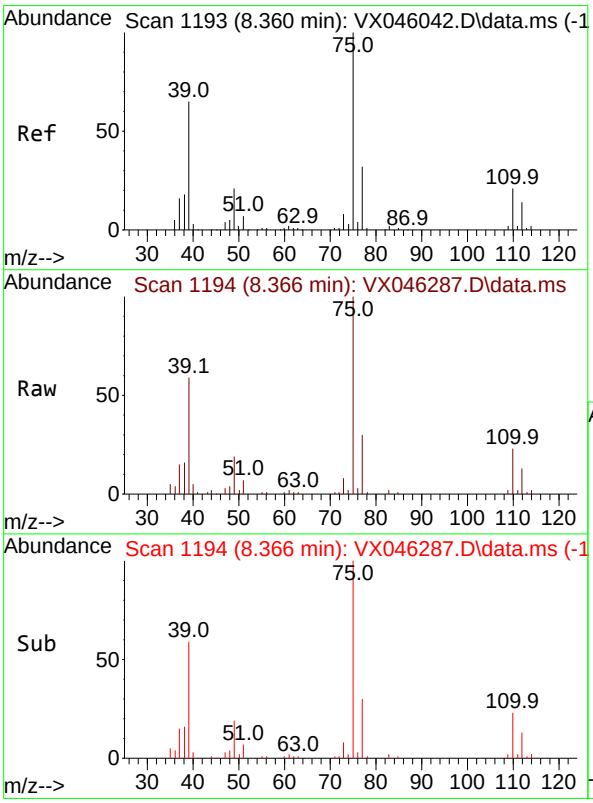
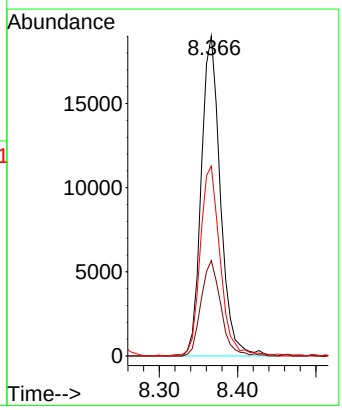
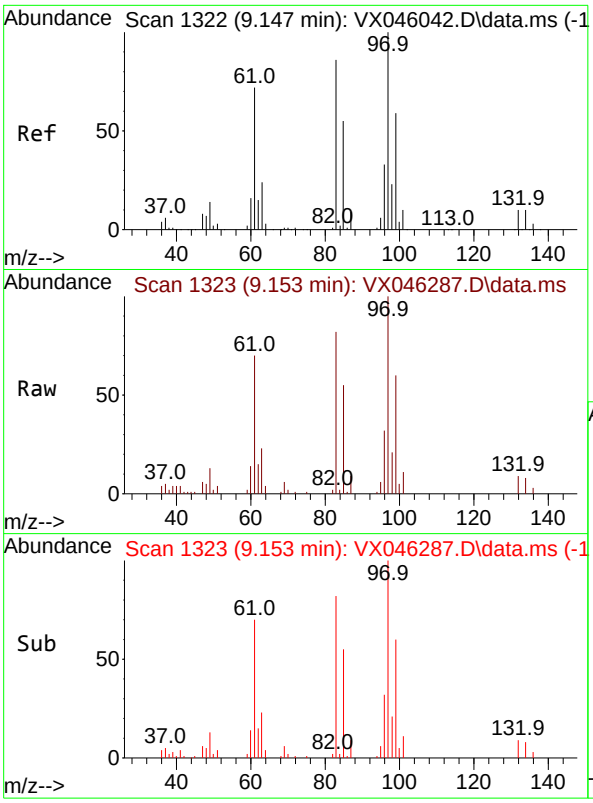


#54
cis-1,3-Dichloropropene
Concen: 20.399 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 75 Resp: 32181

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.4	38.0
39	58.9	52.2	78.4

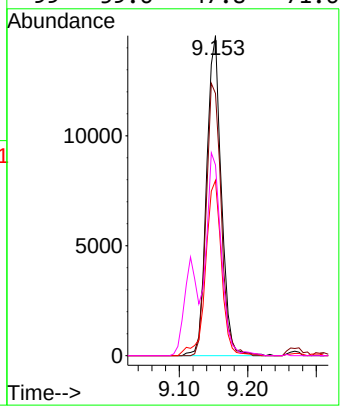




#55
1,1,2-Trichloroethane
Concen: 21.646 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 97 Resp: 2175

Ion	Ratio	Lower	Upper
97	100		
83	82.0	69.0	103.6
85	54.8	44.3	66.5
99	59.6	47.8	71.6



Instrument :
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ClientSampleId :
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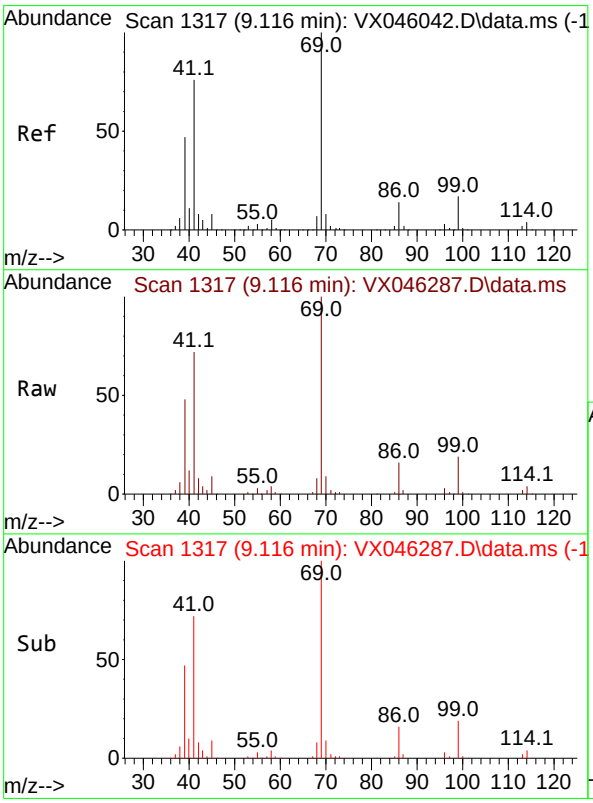
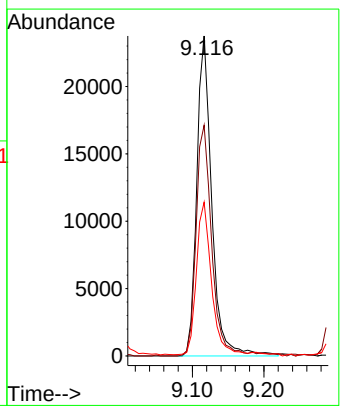
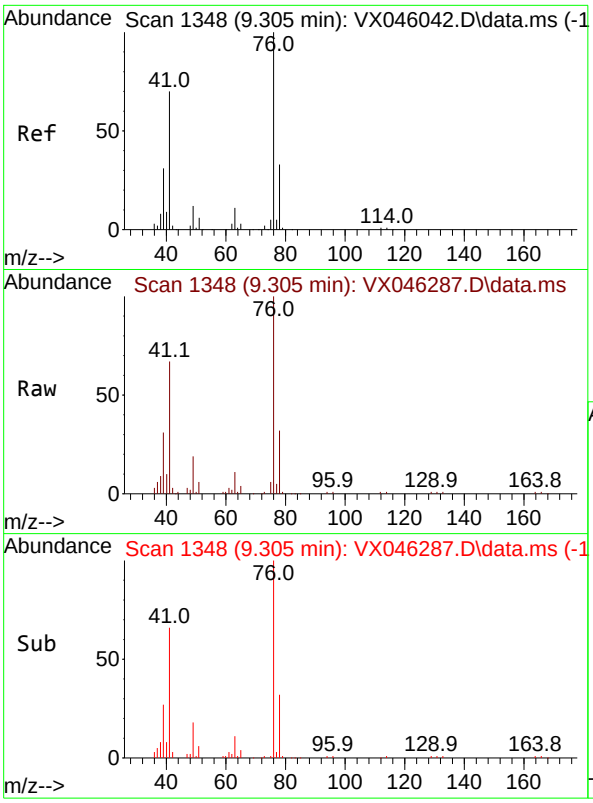


#56
Ethyl methacrylate
Concen: 21.526 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 69 Resp: 34485

Ion	Ratio	Lower	Upper
69	100		
41	74.6	60.8	91.2
39	47.5	39.0	58.6

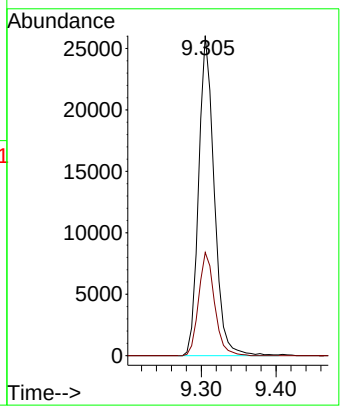




#57
1,3-Dichloropropane
Concen: 20.867 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 76 Resp: 3767

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.3	39.5



Instrument :
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ClientSampleId :
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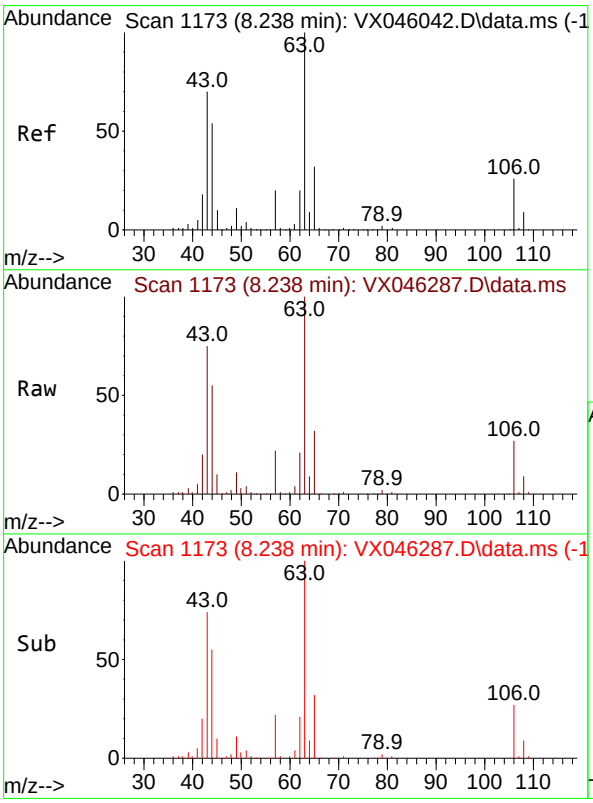
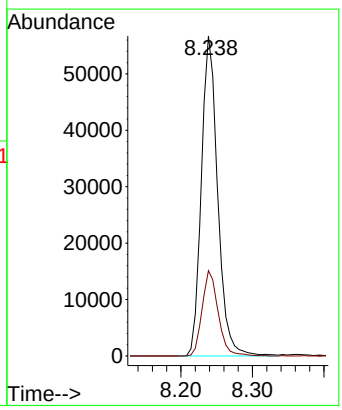
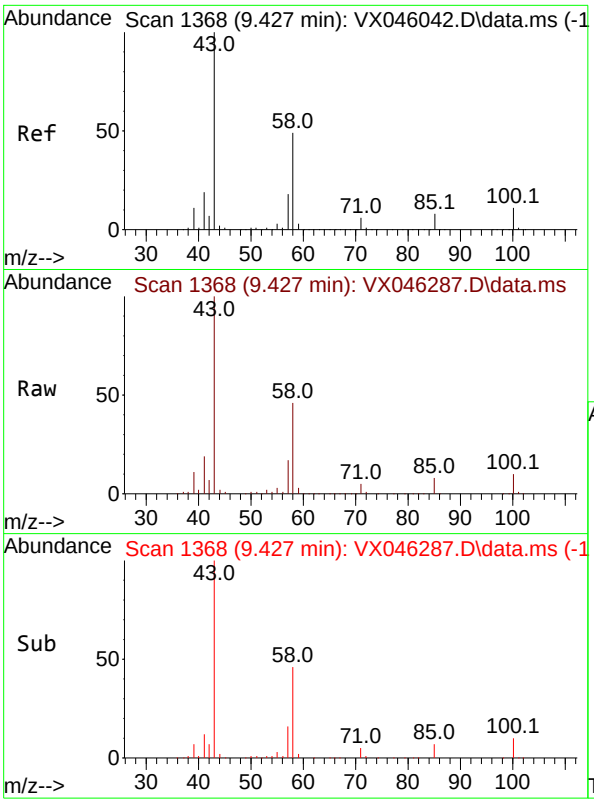


#58
2-Chloroethyl Vinyl ether
Concen: 110.253 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 63 Resp: 90048

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3

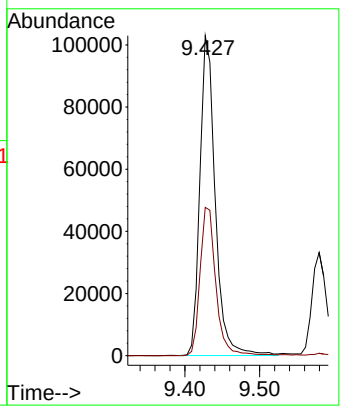




#59
2-Hexanone
Concen: 111.809 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 14689

Ion	Ratio	Lower	Upper
43	100		
58	48.1	24.9	74.6



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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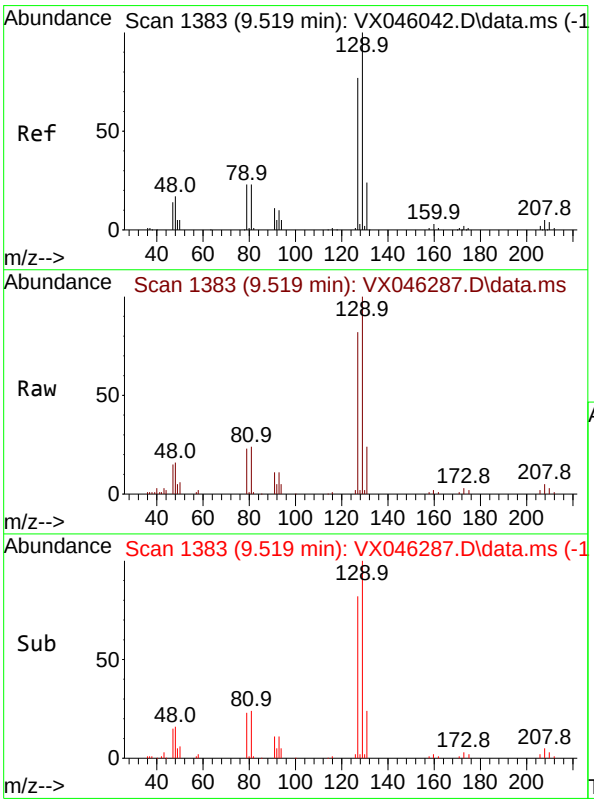
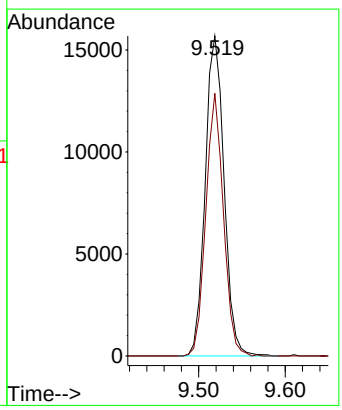
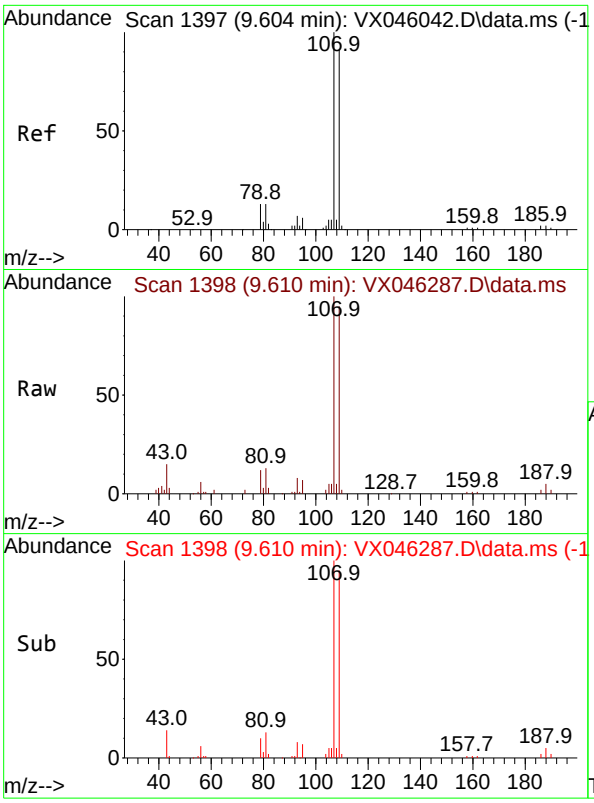


#60
Dibromochloromethane
Concen: 21.467 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:129 Resp: 23698

Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.3	117.8

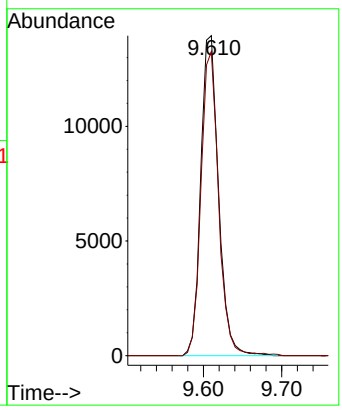




#61
1,2-Dibromoethane
Concen: 21.044 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:107 Resp: 2198

Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.3	109.9



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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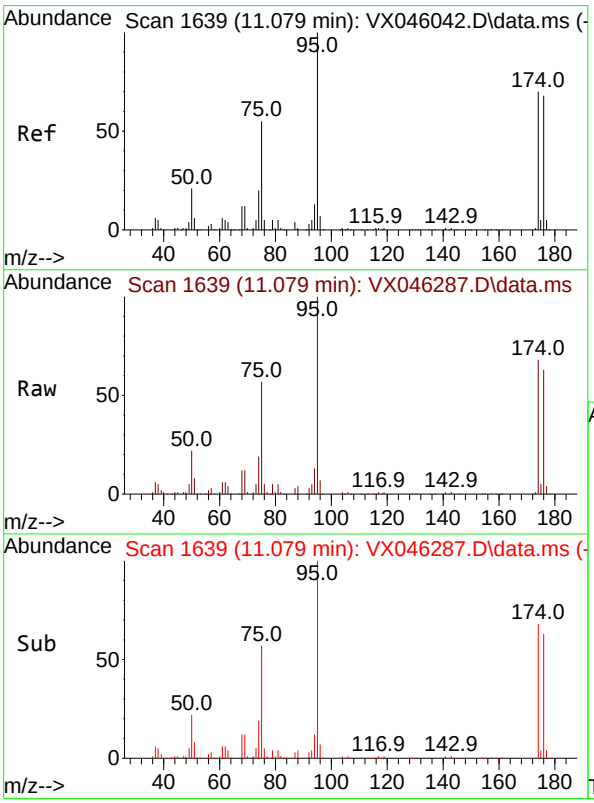
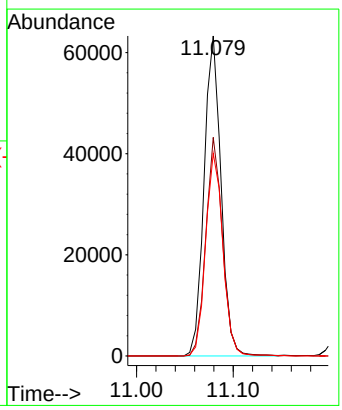
Supervised By :Mahesh Dadoda 05/22/2025

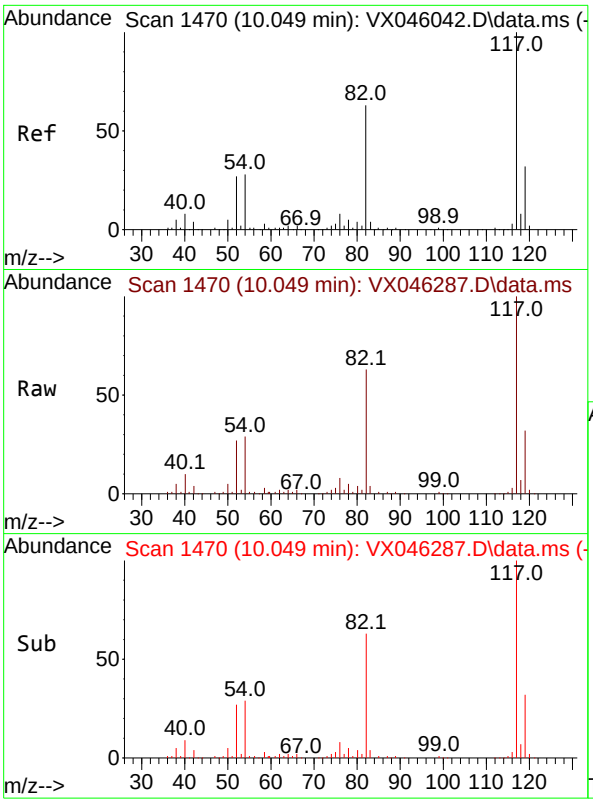


#62
4-Bromofluorobenzene
Concen: 55.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 95 Resp: 77180

Ion	Ratio	Lower	Upper
95	100		
174	67.4	0.0	135.8
176	64.5	0.0	131.4

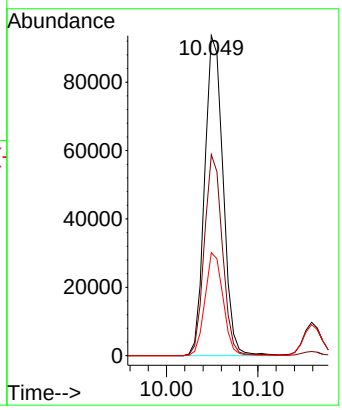




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:117 Resp: 13047

Ion	Ratio	Lower	Upper
117	100		
82	62.9	50.6	76.0
119	32.2	25.8	38.6



Instrument :
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ClientSampleId :
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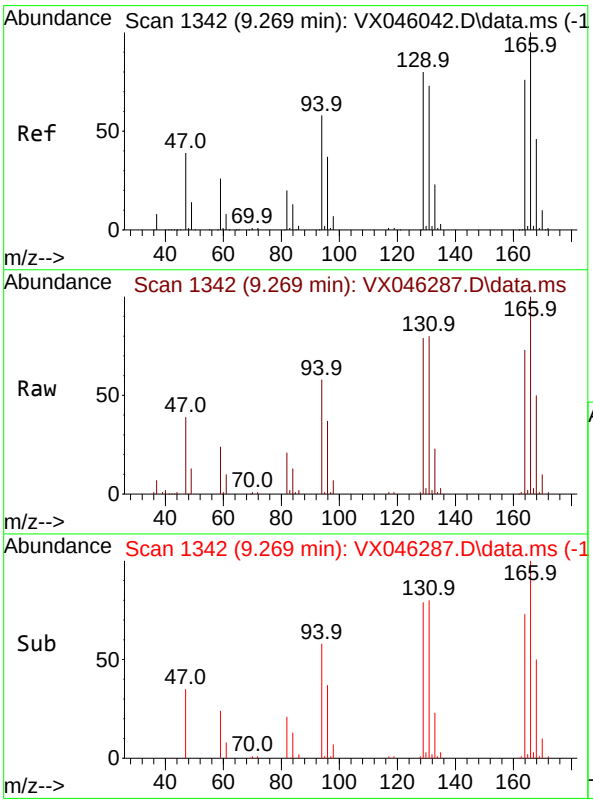
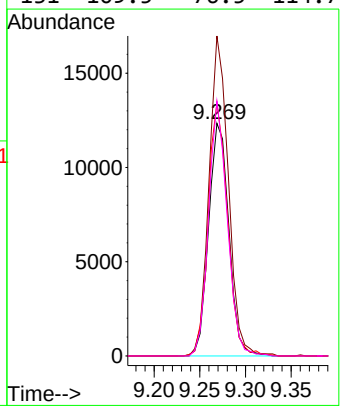
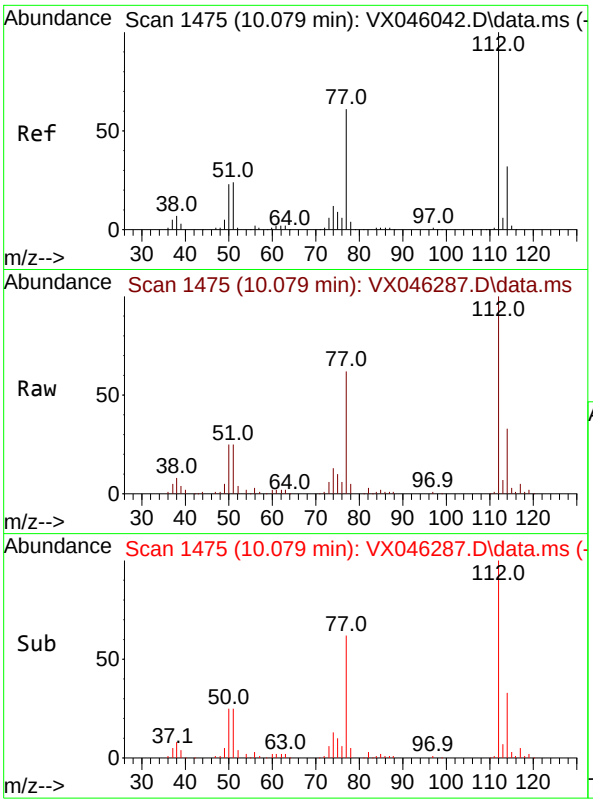


#64
Tetrachloroethene
Concen: 20.459 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:164 Resp: 18888

Ion	Ratio	Lower	Upper
164	100		
166	137.6	105.0	157.6
129	108.9	83.5	125.3
131	109.5	76.5	114.7





#65
Chlorobenzene
Concen: 19.813 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:112 Resp: 5658

Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.4	38.2

Instrument :
MSVOA_X
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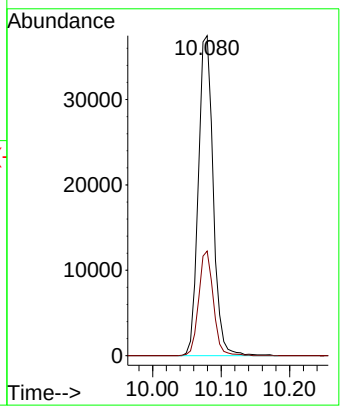
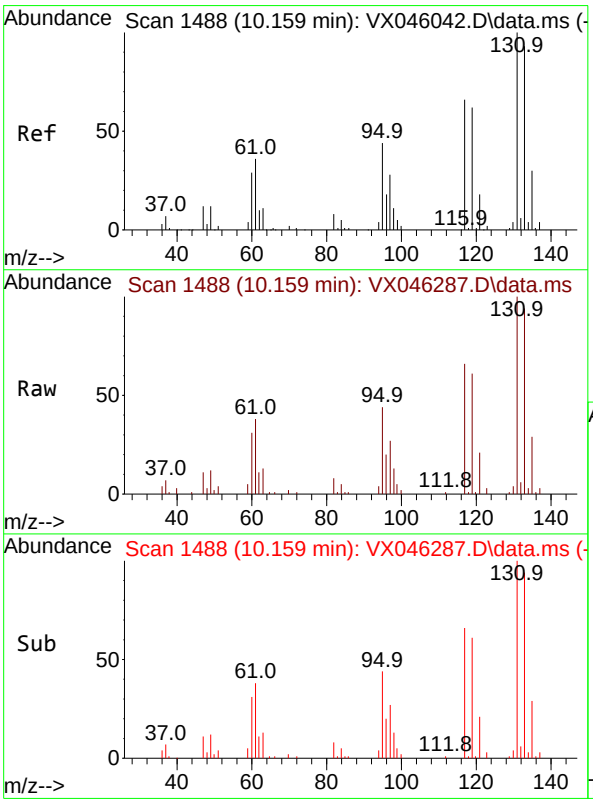
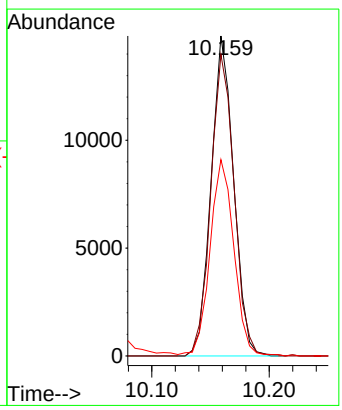


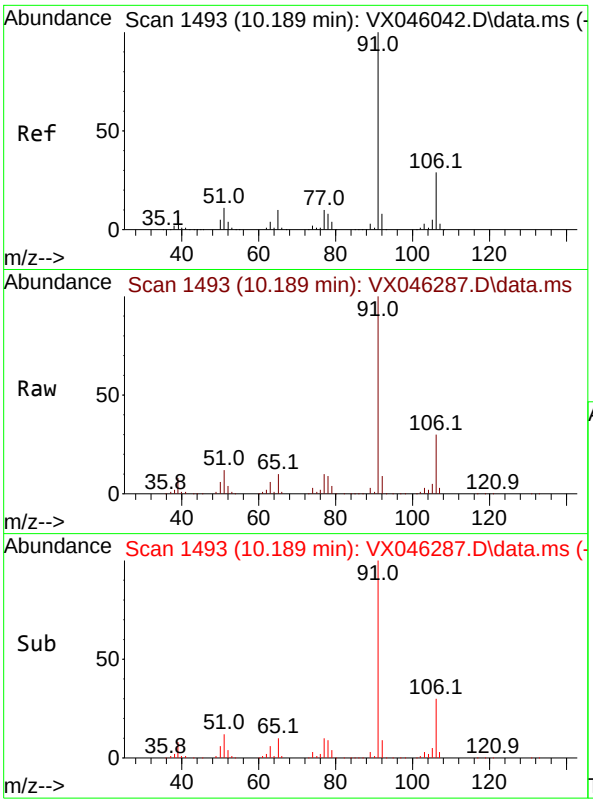


#66
1,1,1,2-Tetrachloroethane
Concen: 20.321 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:131 Resp: 19817

Ion	Ratio	Lower	Upper
131	100		
133	97.6	47.3	141.9
119	65.0	31.6	95.0

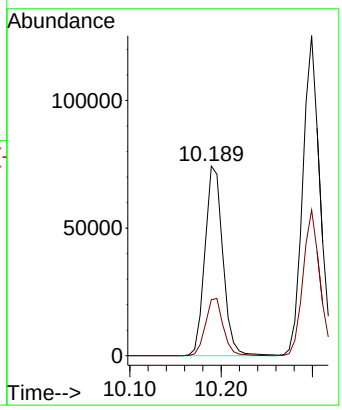




#67
Ethyl Benzene
Concen: 20.071 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 91 Resp: 10104

Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.4	35.2



Instrument :
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ClientSampleId :
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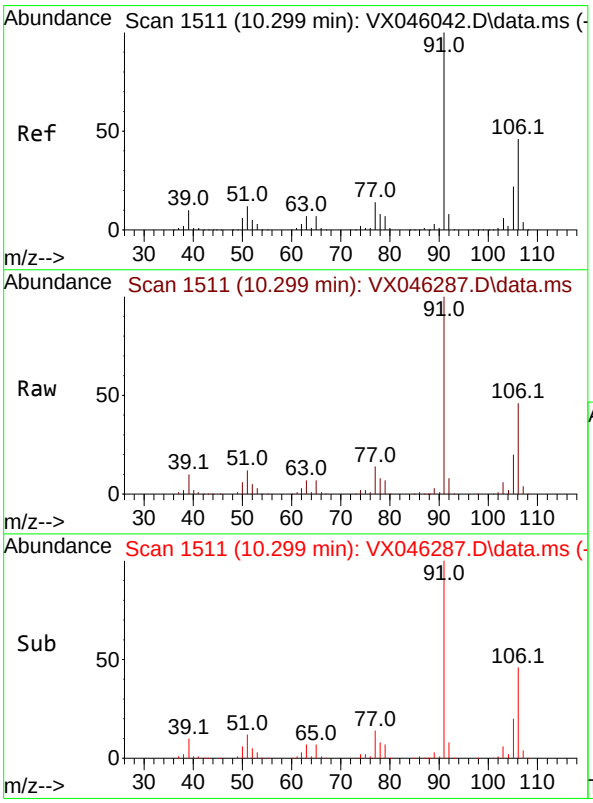
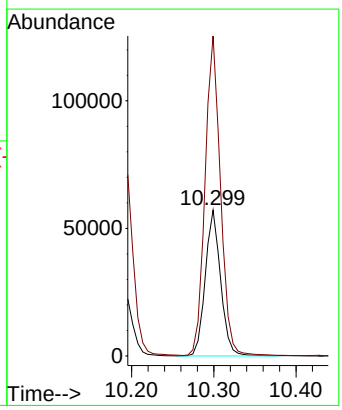
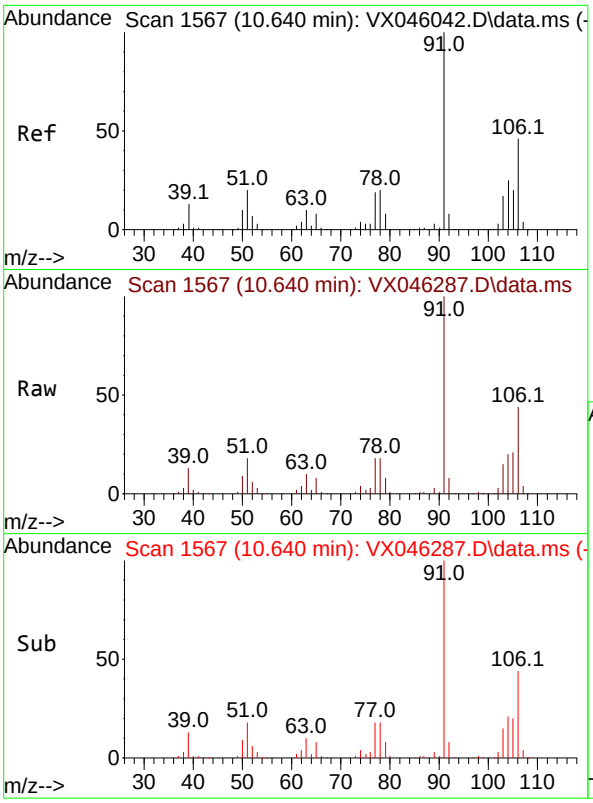


#68
m/p-Xylenes
Concen: 40.309 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:106 Resp: 74216

Ion	Ratio	Lower	Upper
106	100		
91	220.6	171.2	256.8

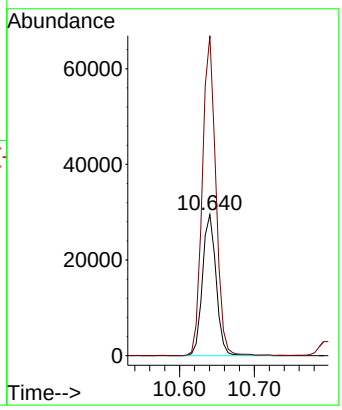




#69
o-Xylene
Concen: 20.882 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:106 Resp: 3748

Ion	Ratio	Lower	Upper
106	100		
91	224.0	112.7	338.1



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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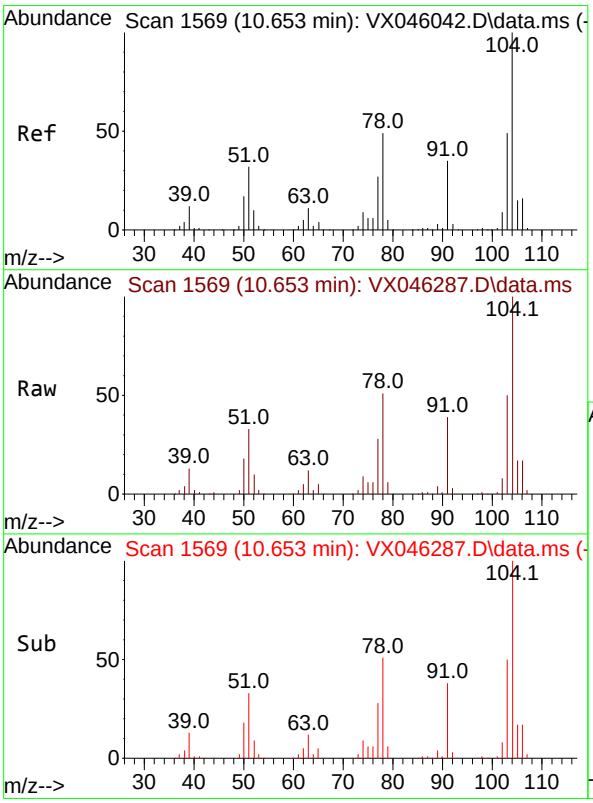
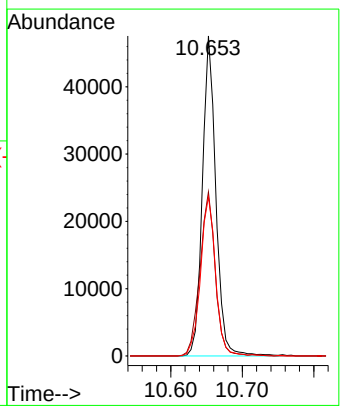
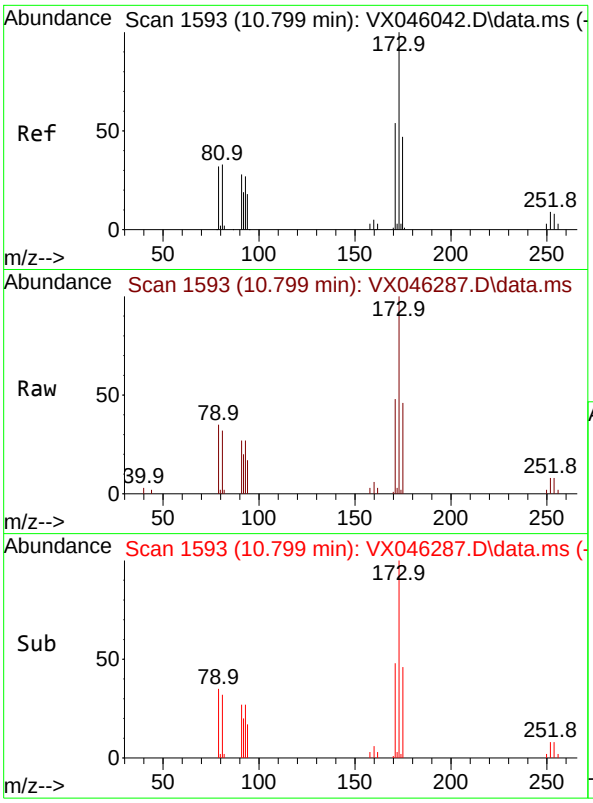


#70
Styrene
Concen: 21.194 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:104 Resp: 62320

Ion	Ratio	Lower	Upper
104	100		
78	58.0	45.7	68.5
103	55.7	43.7	65.5

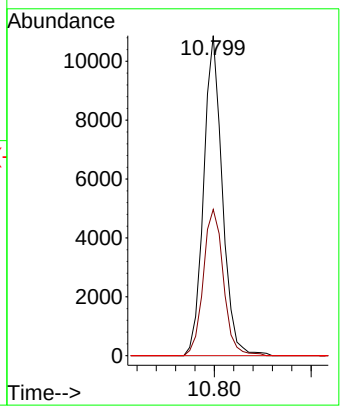




#71
Bromoform
Concen: 19.934 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:173 Resp: 1459

Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.4	70.0
254	0.0	0.0	0.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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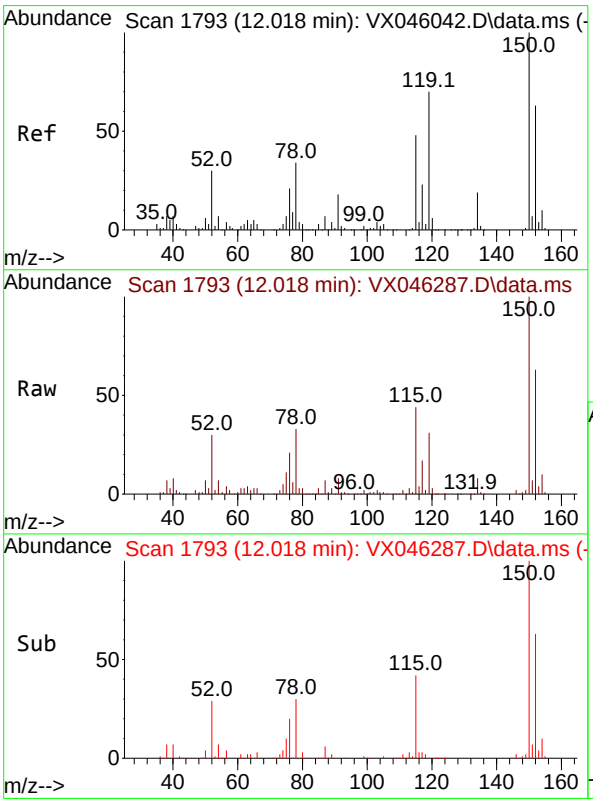
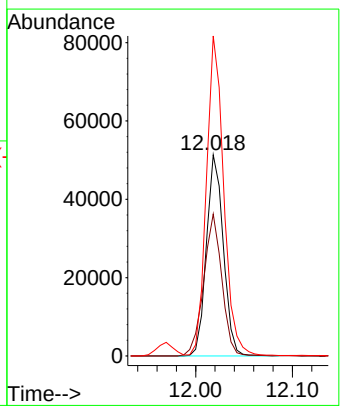
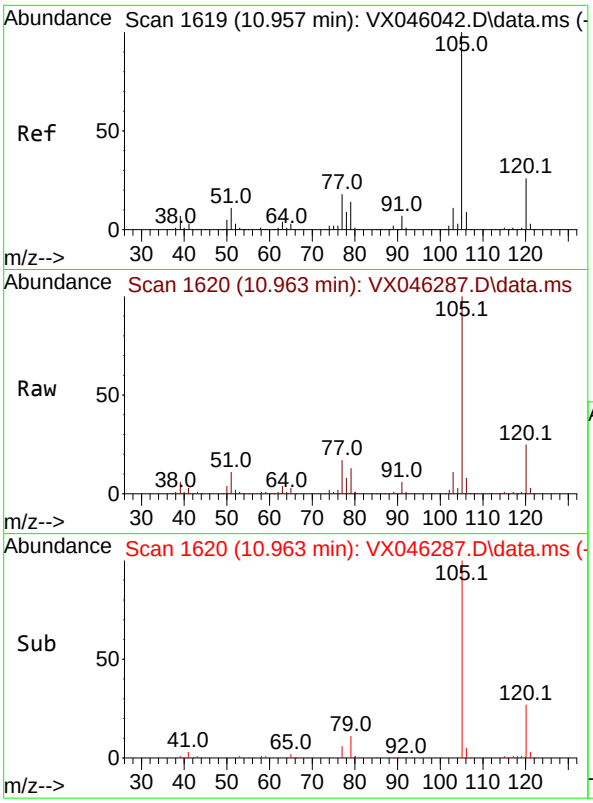


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:152 Resp: 62651

Ion	Ratio	Lower	Upper
152	100		
115	75.7	46.9	140.7
150	162.2	0.0	351.0





#73
Isopropylbenzene
Concen: 20.380 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:105 Resp: 9940

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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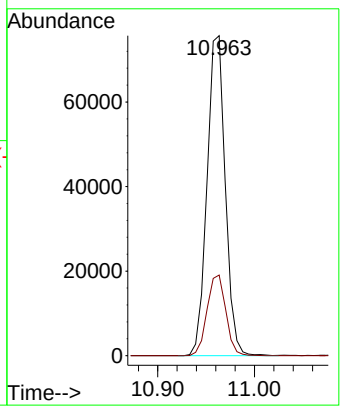
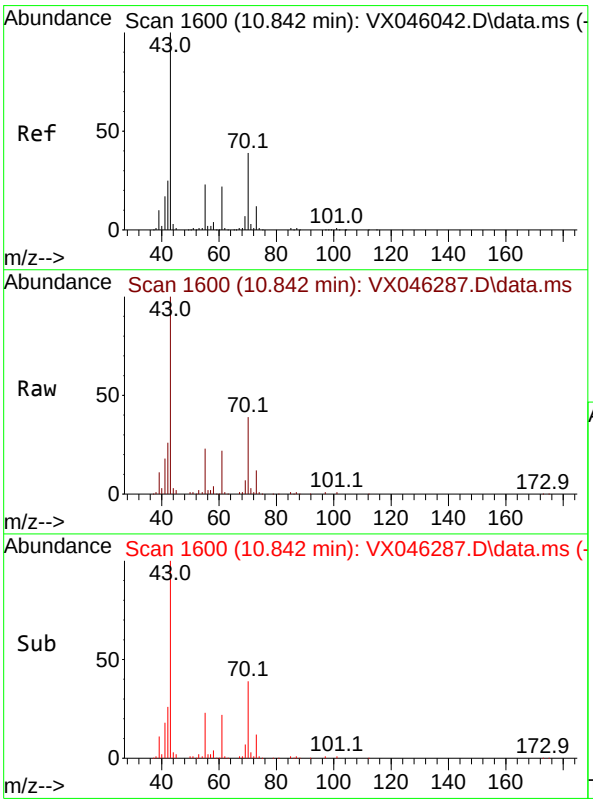
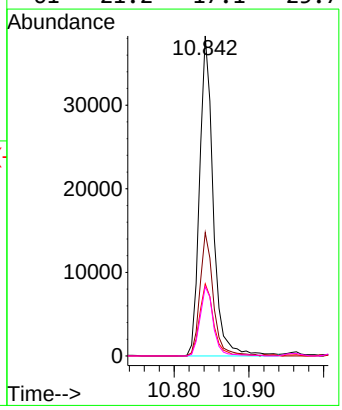


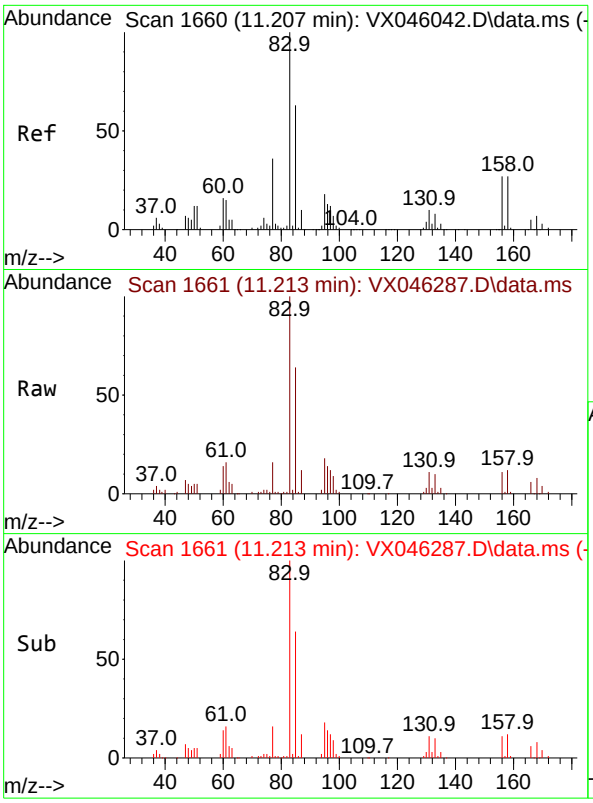


#74
N-amyl acetate
Concen: 20.193 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 48670

Ion	Ratio	Lower	Upper
43	100		
70	37.5	30.9	46.3
55	23.3	18.7	28.1
61	21.2	17.1	25.7

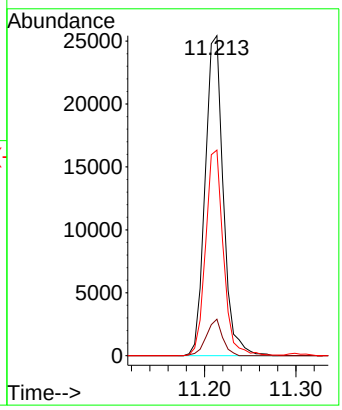




#75
1,1,2,2-Tetrachloroethane
Concen: 20.427 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 83 Resp: 3491

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	14.9
85	63.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
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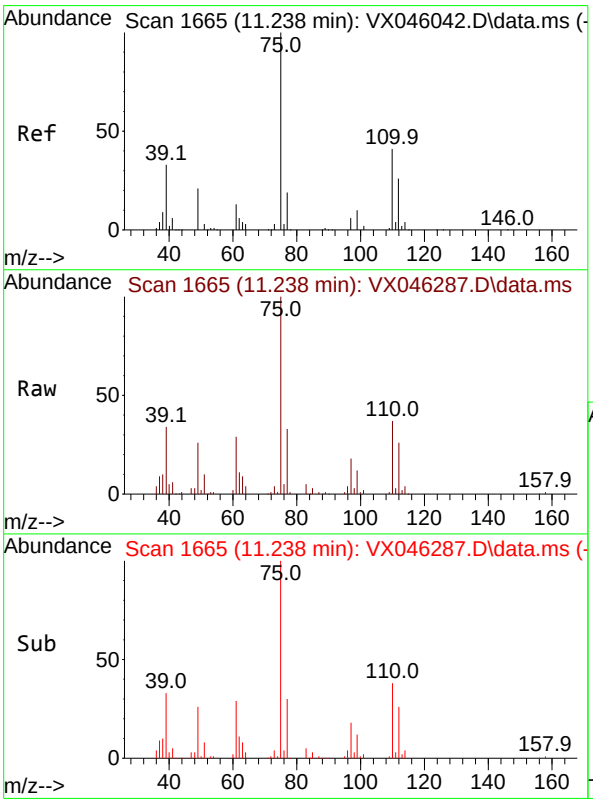
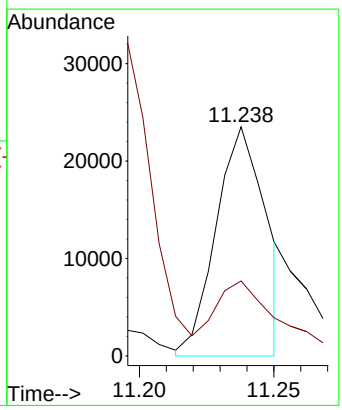
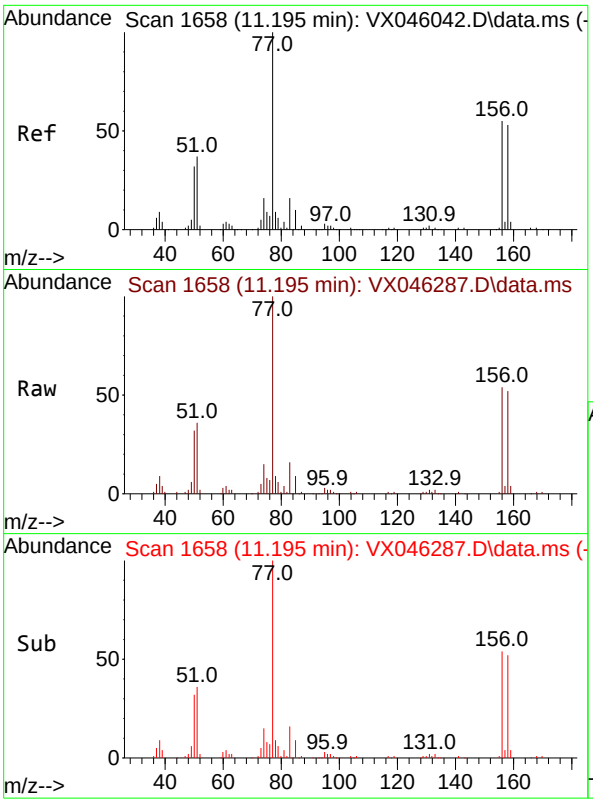


#76
1,2,3-Trichloropropane
Concen: 20.019 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 75 Resp: 30189

Ion	Ratio	Lower	Upper
75	100		
77	42.9	20.5	61.5

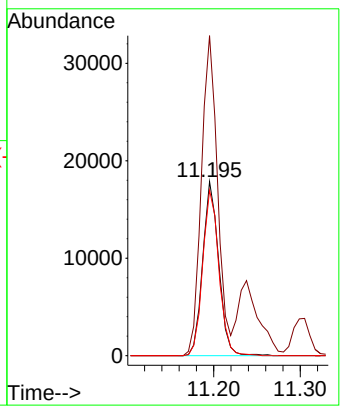




#77
Bromobenzene
Concen: 20.285 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:156 Resp: 2297

Ion	Ratio	Lower	Upper
156	100		
77	185.3	92.8	278.3
158	96.3	48.8	146.3



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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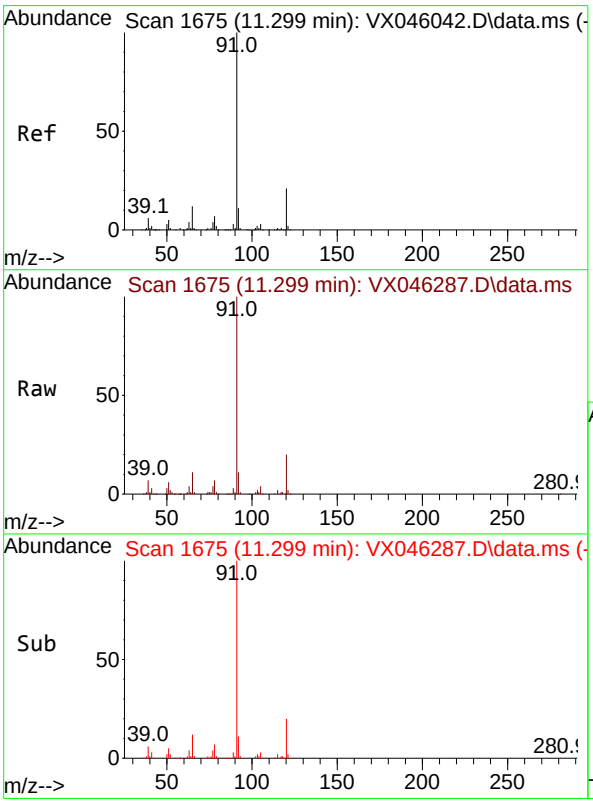
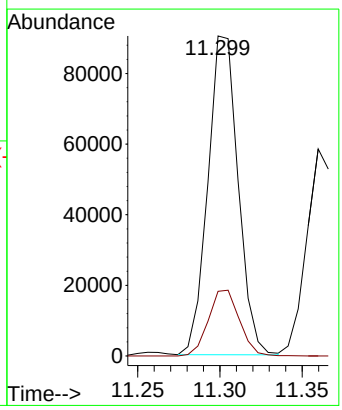
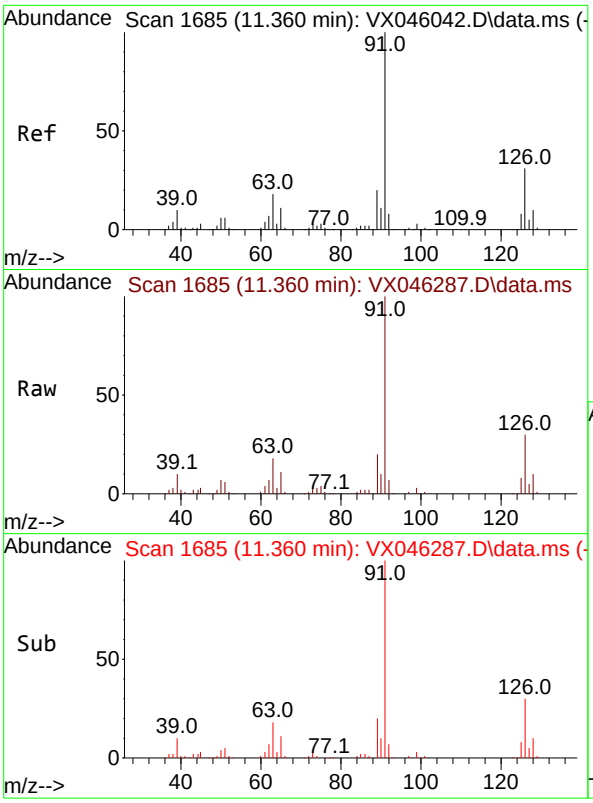


#78
n-propylbenzene
Concen: 20.405 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 91 Resp: 115726

Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.8	32.4





#79
2-Chlorotoluene
Concen: 20.320 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

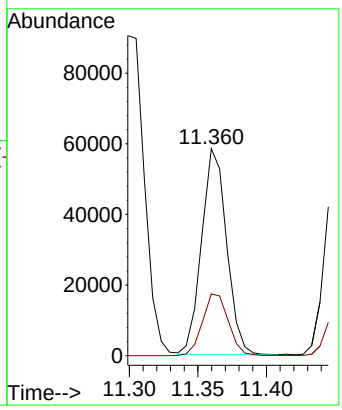
Tgt Ion: 91 Resp: 7433

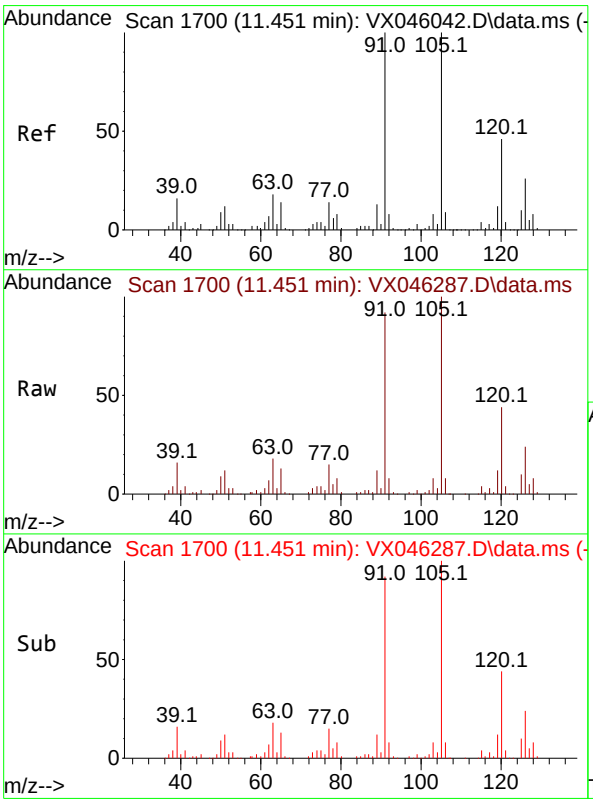
Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.7

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

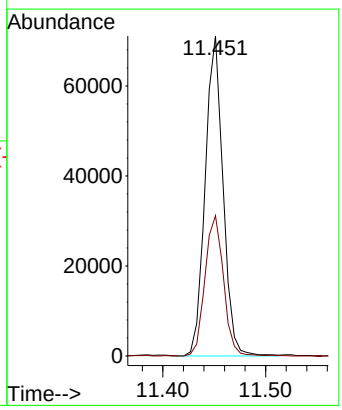


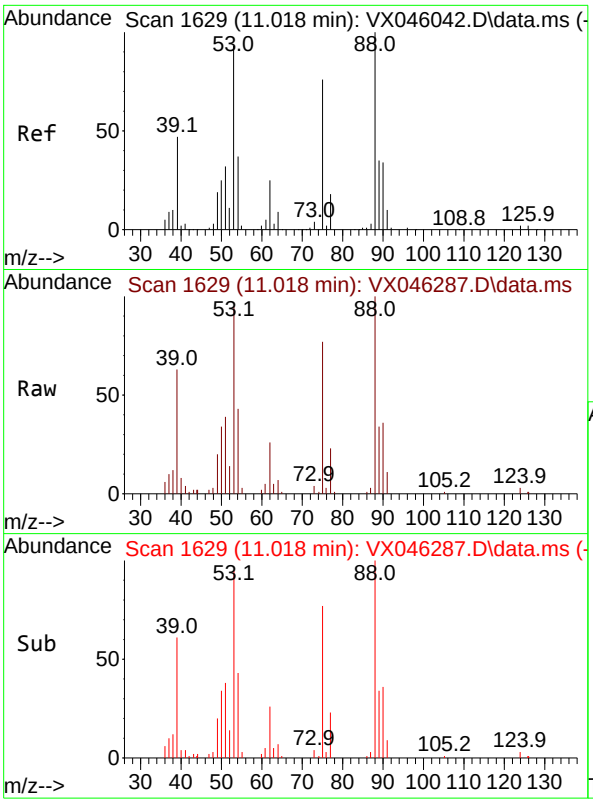


#80
1,3,5-Trimethylbenzene
Concen: 21.070 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:105 Resp: 85859

Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.1	69.2





#81
trans-1,4-Dichloro-2-butene
Concen: 19.287 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 75 Resp: 893

Ion	Ratio	Lower	Upper
75	100		
53	130.2	100.5	150.7
89	44.9	37.0	55.6

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/22/2025
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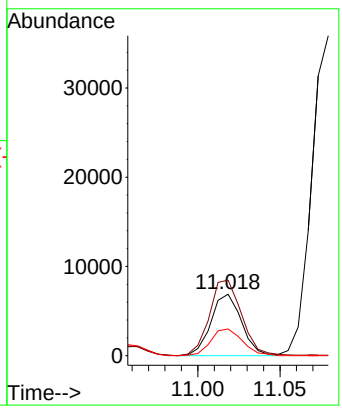
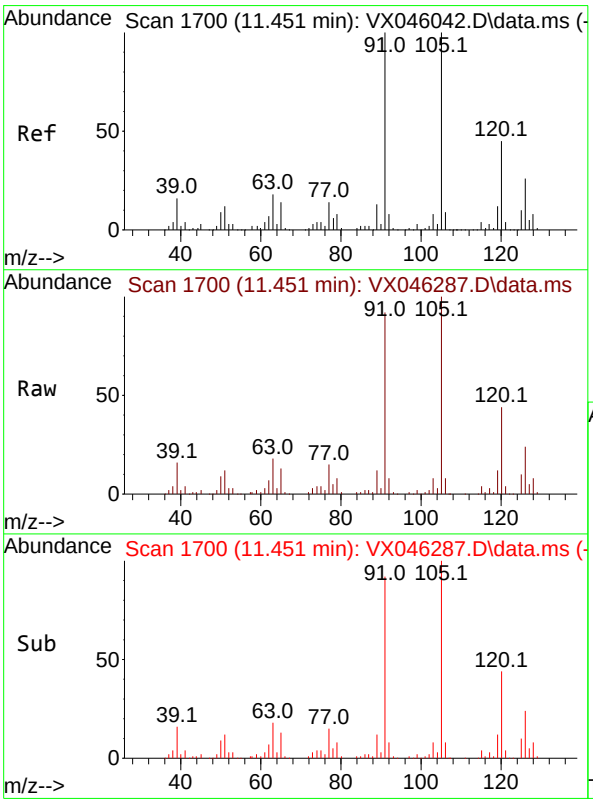
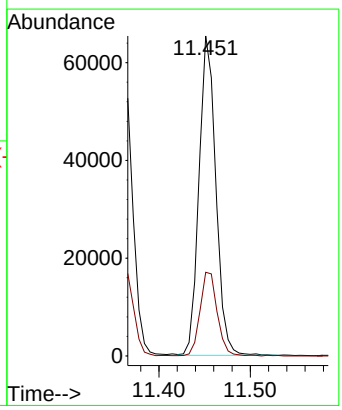


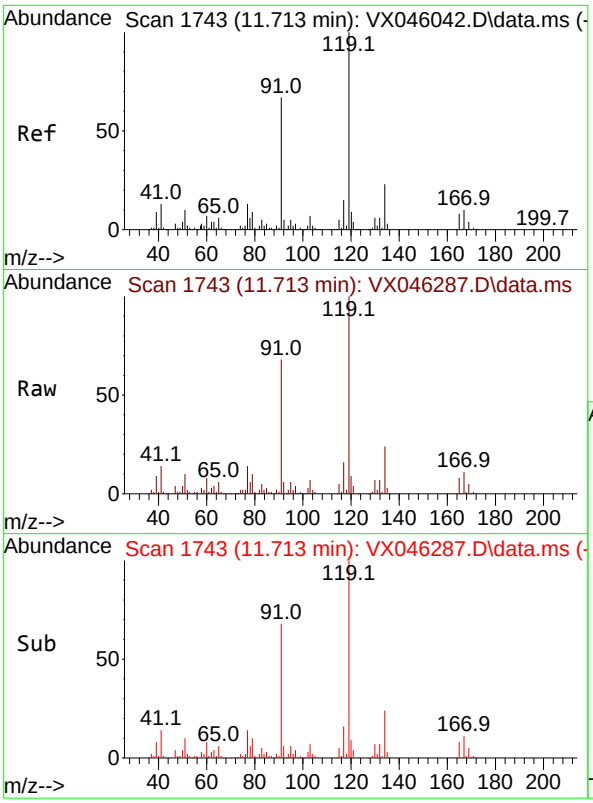


#82
4-Chlorotoluene
Concen: 20.550 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 91 Resp: 83363

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.8

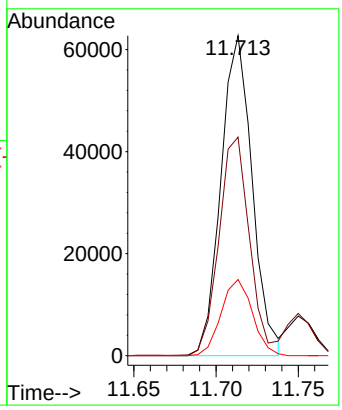




#83
tert-Butylbenzene
Concen: 20.208 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:119 Resp: 8294

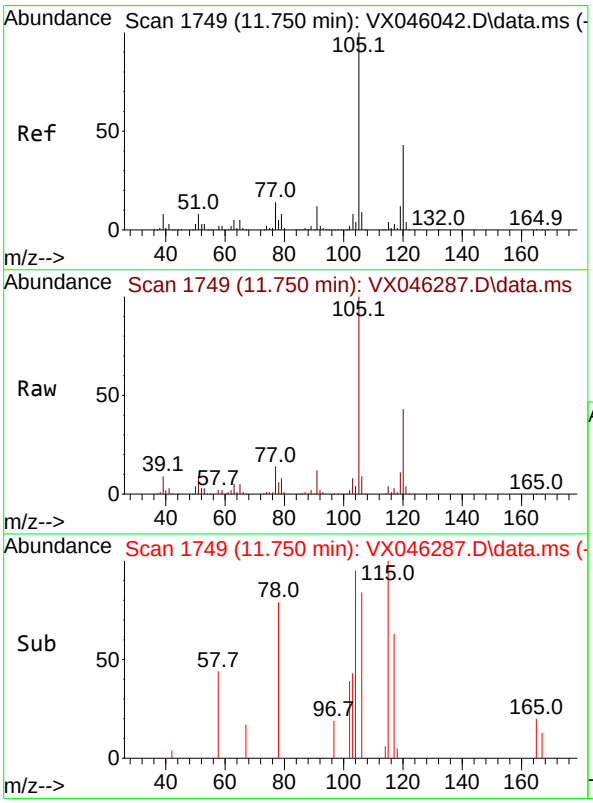
Ion	Ratio	Lower	Upper
119	100		
91	67.2	32.9	98.7
134	23.8	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations APPROVED

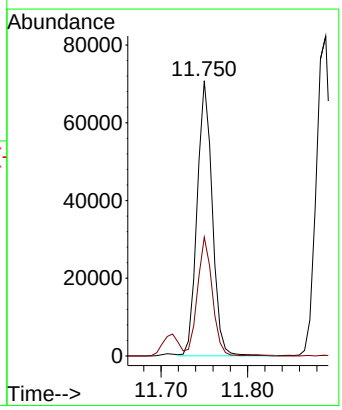
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

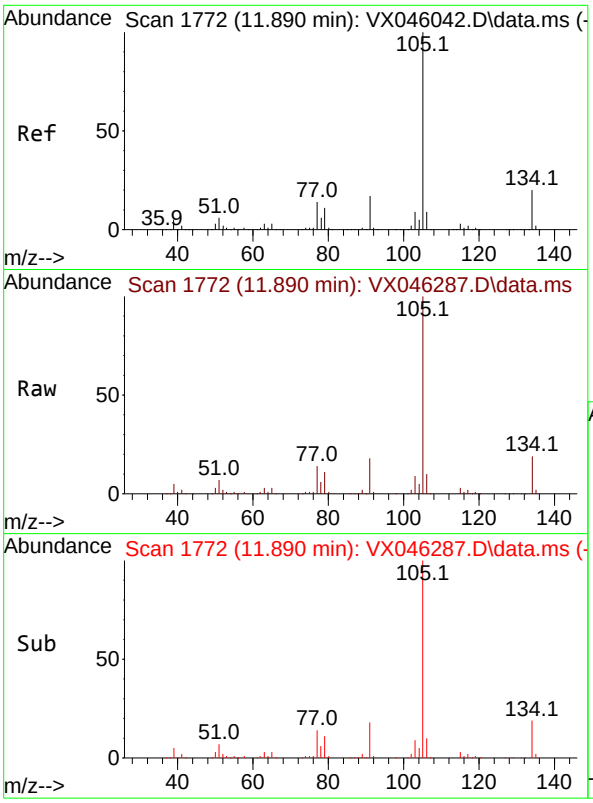


#84
1,2,4-Trimethylbenzene
Concen: 20.726 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:105 Resp: 85525

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.2	63.6





#85
sec-Butylbenzene
Concen: 20.349 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

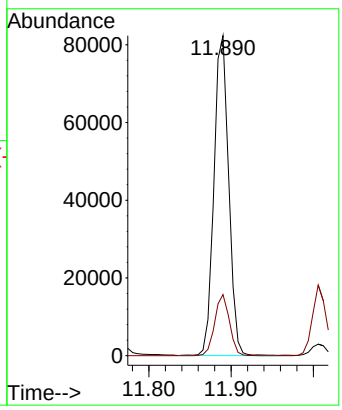
Tgt Ion:105 Resp: 10255

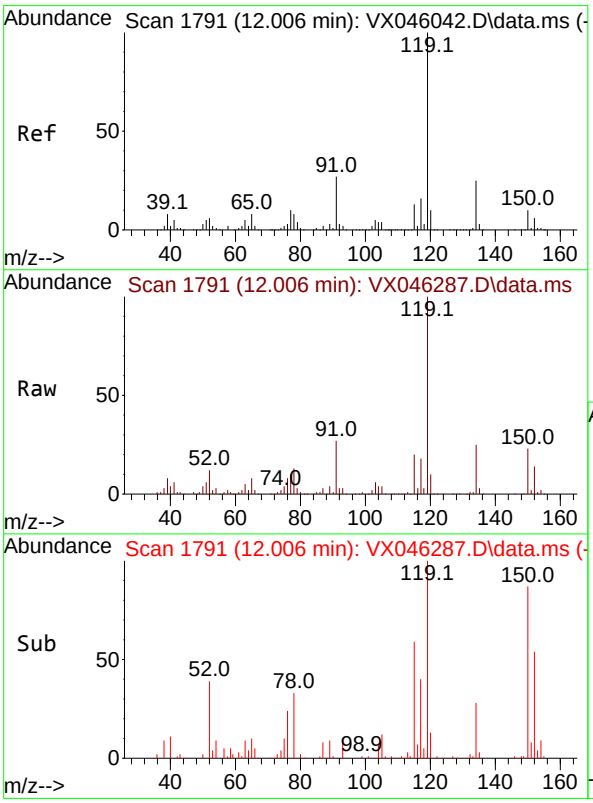
Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

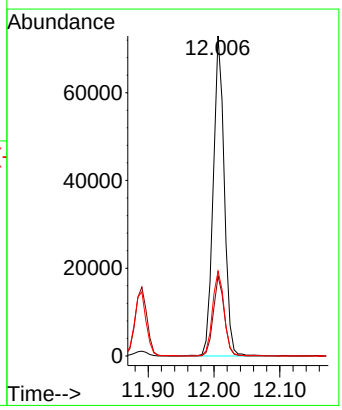


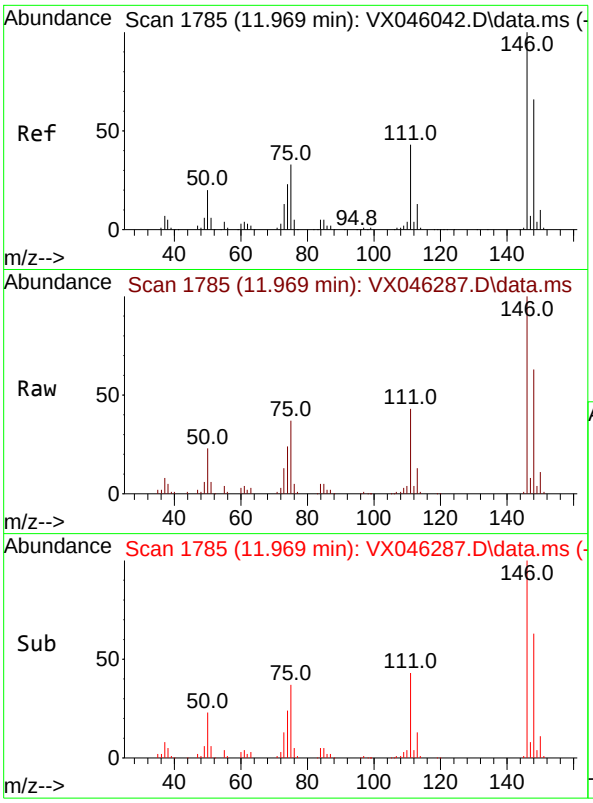


#86
p-Isopropyltoluene
Concen: 20.514 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:119 Resp: 85338

Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.5	37.5
91	27.8	13.8	41.4

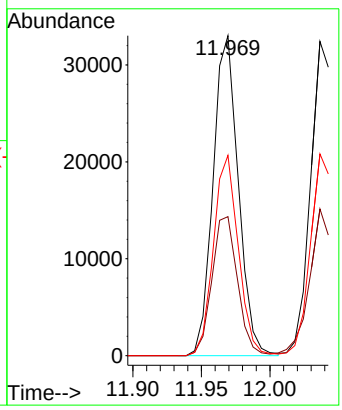




#87
1,3-Dichlorobenzene
Concen: 20.468 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:146 Resp: 4230

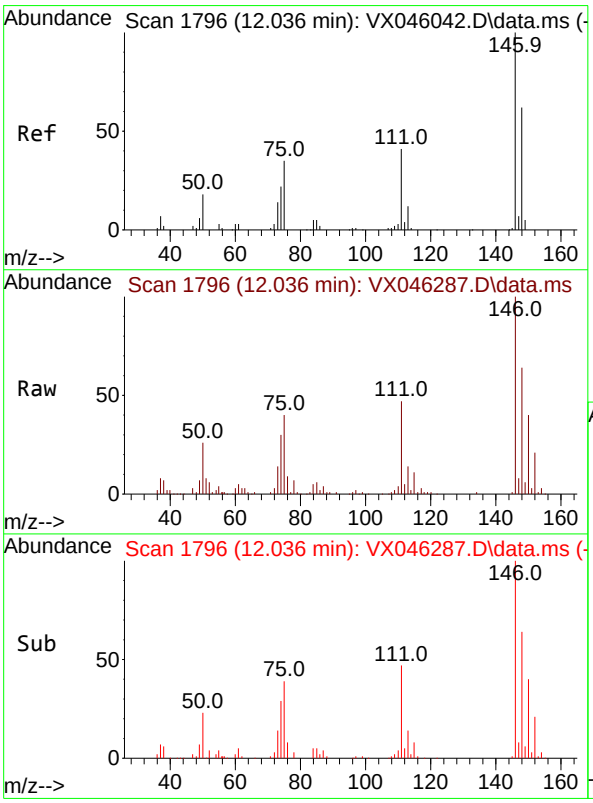
Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.3
148	61.6	32.1	96.5



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations APPROVED

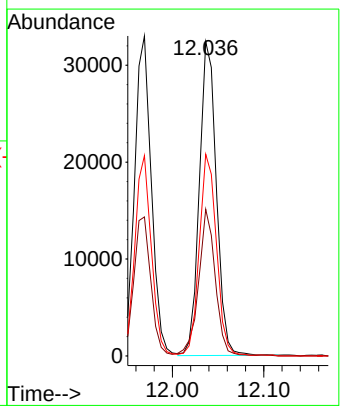
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

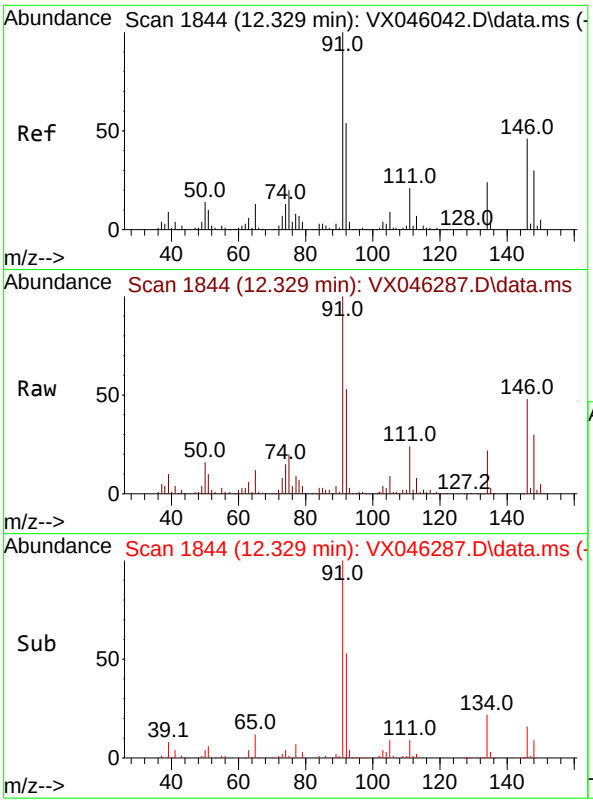


#88
1,4-Dichlorobenzene
Concen: 19.797 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:146 Resp: 41784

Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.3	63.9
148	64.4	31.9	95.5

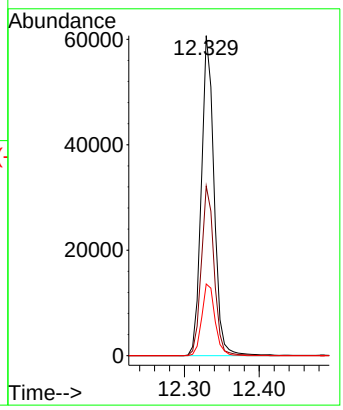




#89
n-Butylbenzene
Concen: 19.656 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 91 Resp: 7172

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.9	80.7
134	23.3	11.8	35.3



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
APPROVED

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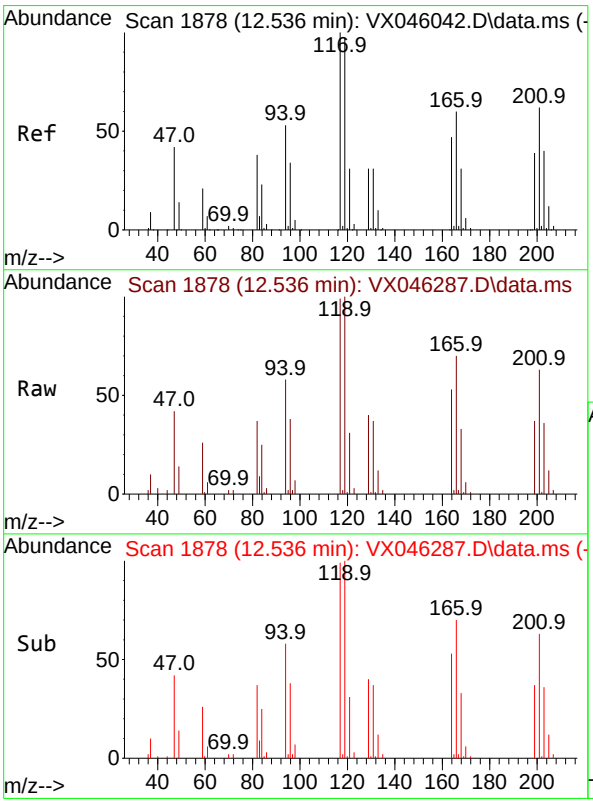
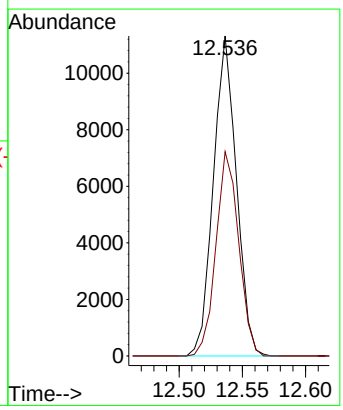
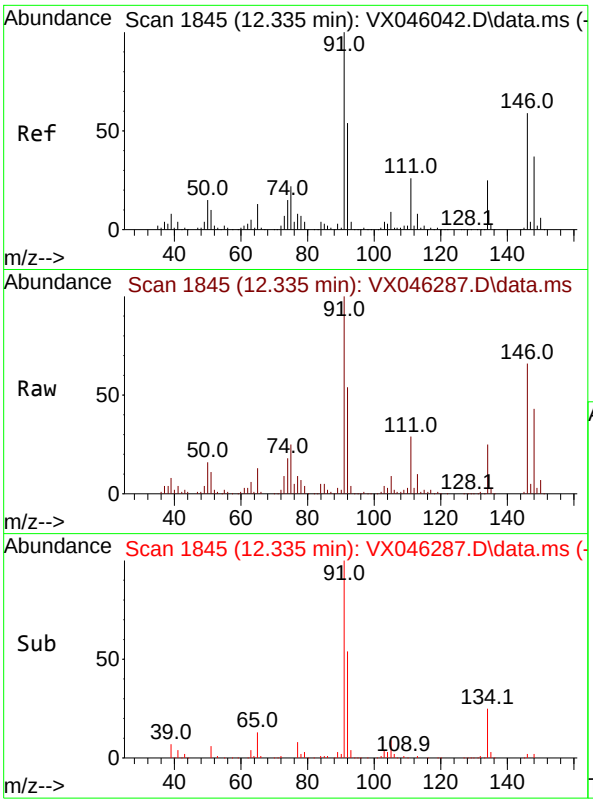


#90
Hexachloroethane
Concen: 19.520 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:117 Resp: 14306

Ion	Ratio	Lower	Upper
117	100		
201	63.1	31.6	94.7

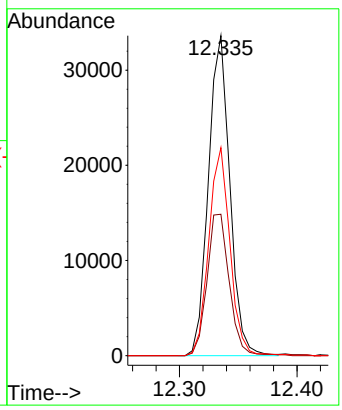




#91
1,2-Dichlorobenzene
Concen: 20.529 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:146 Resp: 4257

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.4	67.3
148	64.3	31.6	94.8



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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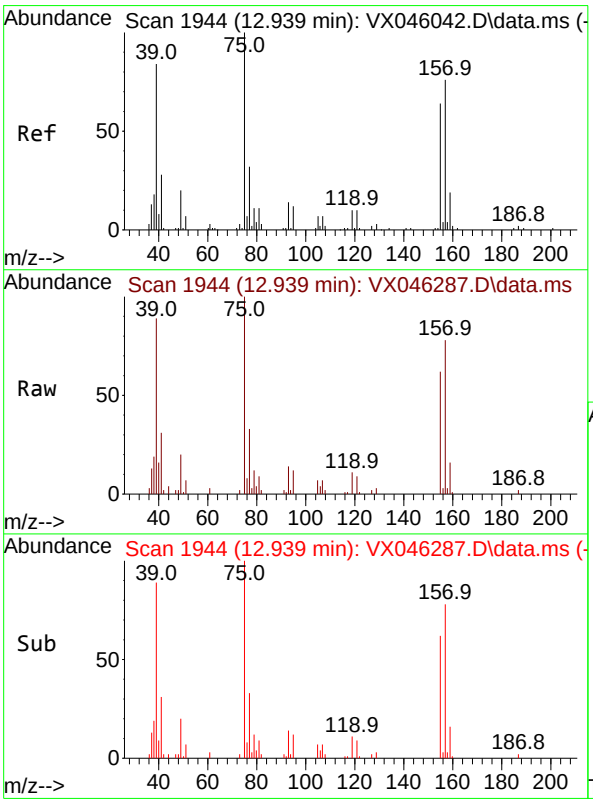
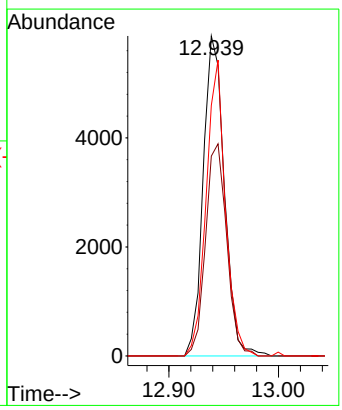
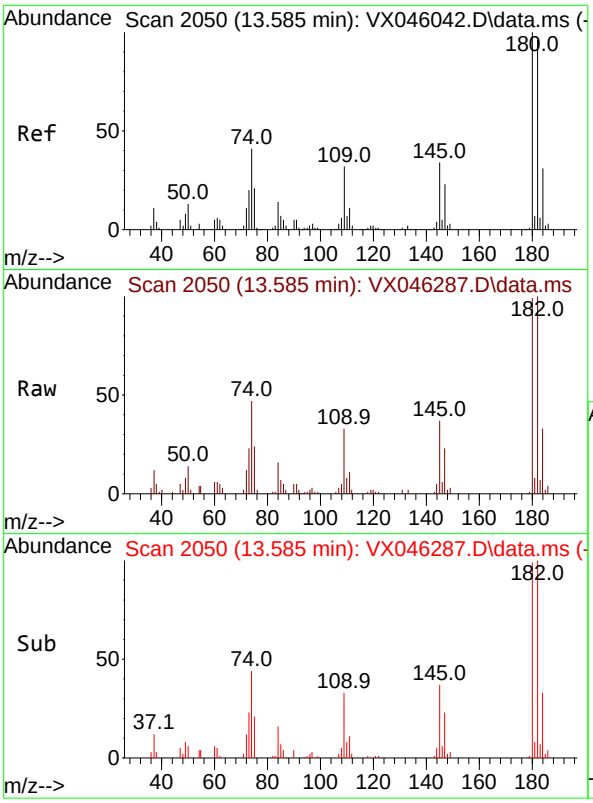


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.757 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 75 Resp: 7860

Ion	Ratio	Lower	Upper
75	100		
155	66.5	34.9	104.8
157	84.2	43.8	131.4

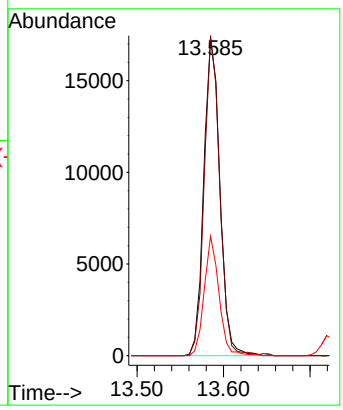




#93
1,2,4-Trichlorobenzene
Concen: 18.785 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:180 Resp: 2237

Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.9	143.8
145	34.4	17.1	51.2



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Manual Integrations
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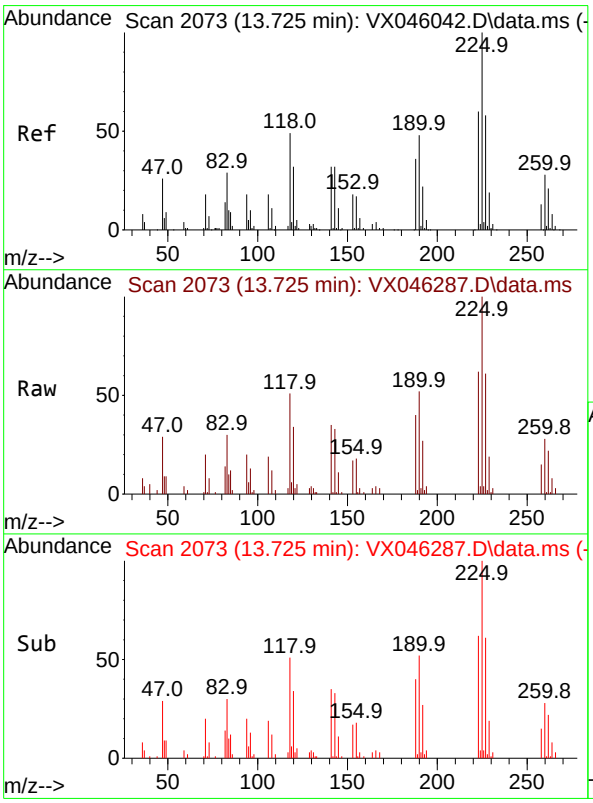
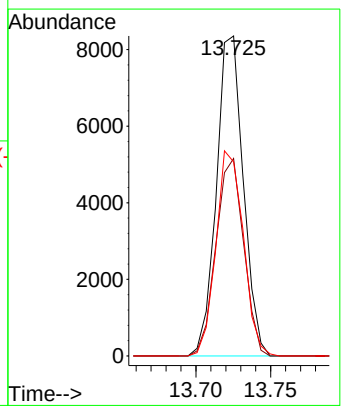
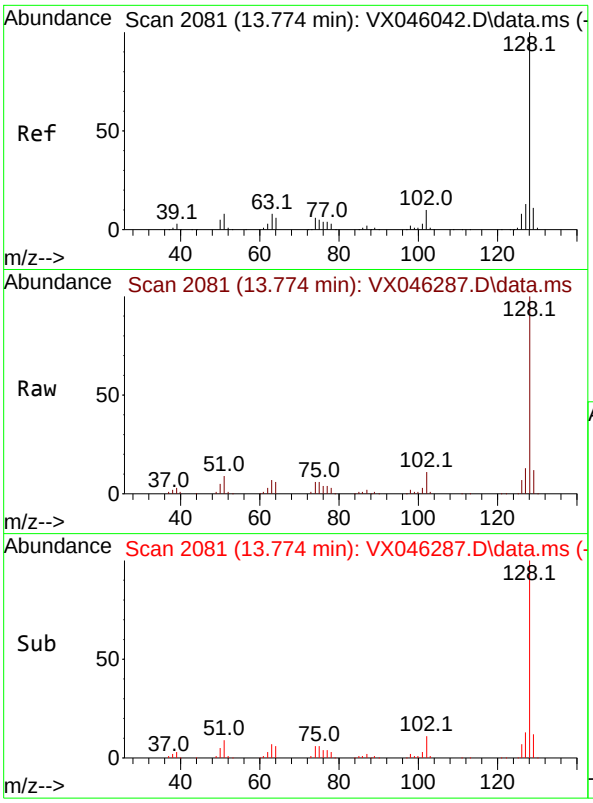


#94
Hexachlorobutadiene
Concen: 20.103 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:225 Resp: 10458

Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.8	92.4
227	65.2	30.9	92.7

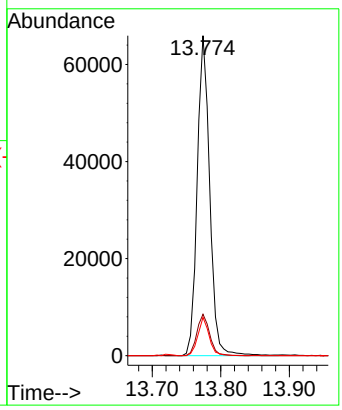




#95
Naphthalene
Concen: 19.190 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:128 Resp: 8383

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

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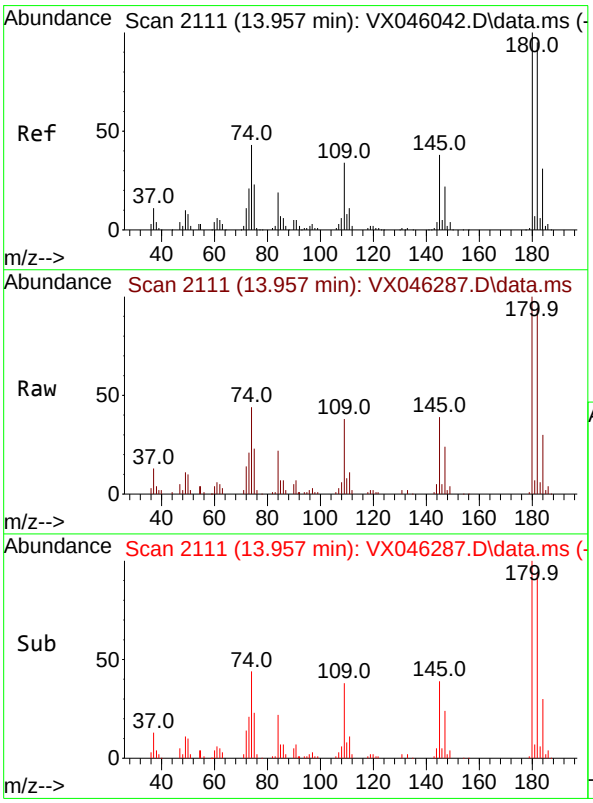
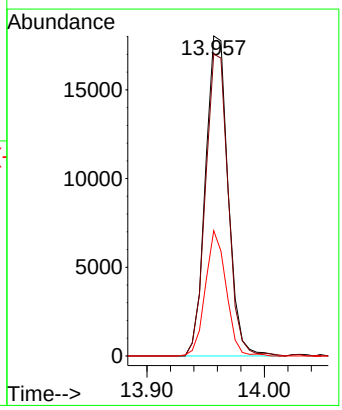


#96
1,2,3-Trichlorobenzene
Concen: 19.602 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:180 Resp: 24092

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	36.0	18.1	54.3



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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-400-402MS	SDG No.:	Q2082
Lab Sample ID:	Q2082-10MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046307.D	1		05/21/25 18:58	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	55.3		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	52.6		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	51.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	57.8		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	53.7		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	48.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	54.3		0.23	0.75	1.00	ug/L
67-64-1	Acetone	290		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	49.8		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	56.9		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	53.0		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	54.4		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	57.1		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	300		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	53.3		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	55.2		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	56.9		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	55.5		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	45.9		0.16	0.50	1.00	ug/L
71-43-2	Benzene	55.3		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	55.9		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	53.8		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	57.0		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	56.9		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	300		0.68	2.50	5.00	ug/L
108-88-3	Toluene	55.4		0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	54.2		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	54.4		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	55.9		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	300		0.89	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-400-402MS	SDG No.:	Q2082
Lab Sample ID:	Q2082-10MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046307.D	1		05/21/25 18:58	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	57.4		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	52.3		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	52.5		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	54.3		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	54.7		0.12	0.50	1.00	ug/L
100-42-5	Styrene	54.6		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	53.4		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	56.3		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	53.7		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	54.1		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	52.5		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	53.9		0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.2		81 - 118		106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	51.3		89 - 112		103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	79000	5.544				
540-36-3	1,4-Difluorobenzene	141000	6.757				
3114-55-4	Chlorobenzene-d5	127000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	57800	12.018				

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\VX052125\
Data File : VX046307.D
Acq On : 21 May 2025 18:58
Operator : JC/MD
Sample : Q2082-10MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 01:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Manual Integrations APPROVED
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	78978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141460	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78357	53.217	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.440%			
35) Dibromofluoromethane	5.379	113	53550	52.569	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.140%			
50) Toluene-d8	8.647	98	180789	51.277	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.560%			
62) 4-Bromofluorobenzene	11.079	95	70515	52.140	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	59216	48.987	ug/l	98
3) Chloromethane	1.301	50	64817	55.293	ug/l	98
4) Vinyl Chloride	1.374	62	57358	52.574	ug/l	99
5) Bromomethane	1.593	94	25896	51.176	ug/l	99
6) Chloroethane	1.666	64	33674	57.817	ug/l	98
7) Trichlorofluoromethane	1.874	101	86629	53.727	ug/l	99
8) Diethyl Ether	2.136	74	30526	55.614	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	48093	48.198	ug/l	98
10) Methyl Iodide	2.447	142	65628	55.584	ug/l	98
11) Tert butyl alcohol	2.977	59	63665	308.035	ug/l	100
12) 1,1-Dichloroethene	2.313	96	50893	54.345	ug/l	99
13) Acrolein	2.233	56	77501	329.263	ug/l	100
14) Allyl chloride	2.660	41	101853	56.908	ug/l	97
15) Acrylonitrile	3.062	53	177463	300.281	ug/l	98
16) Acetone	2.386	43	172861	292.804	ug/l	98
17) Carbon Disulfide	2.502	76	110641	49.834	ug/l	100
18) Methyl Acetate	2.703	43	85283	62.252	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	186782	56.889	ug/l	98
20) Methylene Chloride	2.782	84	59984	53.021	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	51220	54.387	ug/l	95
22) Diisopropyl ether	3.757	45	199564	57.724	ug/l	99
23) Vinyl Acetate	3.721	43	811524	266.882	ug/l	99
24) 1,1-Dichloroethane	3.605	63	110034	57.143	ug/l	99
25) 2-Butanone	4.556	43	259427	302.686	ug/l	100
26) 2,2-Dichloropropane	4.465	77	70914	47.051	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	62570	55.189	ug/l	99
28) Bromochloromethane	4.891	49	48498	52.324	ug/l	98
29) Tetrahydrofuran	5.001	42	161890	301.432	ug/l	98
30) Chloroform	5.086	83	114234	56.916	ug/l	99
31) Cyclohexane	5.464	56	90799	51.745	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	96610	55.528	ug/l	99
36) 1,1-Dichloropropene	5.684	75	72363	52.871	ug/l	99
37) Ethyl Acetate	4.715	43	89154	52.723	ug/l	99
38) Carbon Tetrachloride	5.672	117	81986	53.313	ug/l	98
39) Methylcyclohexane	7.373	83	80838	45.877	ug/l	98
40) Benzene	6.031	78	221627	55.283	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046307.D
Acq On : 21 May 2025 18:58
Operator : JC/MD
Sample : Q2082-10MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 01:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	55484	62.723	ug/l		98
42) 1,2-Dichloroethane	6.080	62	96805	55.949	ug/l		99
43) Isopropyl Acetate	6.336	43	142220	55.130	ug/l		99
44) Trichloroethene	7.123	130	51875	53.763	ug/l		97
45) 1,2-Dichloropropane	7.427	63	56803	56.982	ug/l		99
46) Dibromomethane	7.580	93	43141	54.871	ug/l		99
47) Bromodichloromethane	7.818	83	88182	56.945	ug/l		98
48) Methyl methacrylate	7.690	41	79019	59.977	ug/l		97
49) 1,4-Dioxane	7.659	88	31607	1263.501	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	514194	300.280	ug/l		98
52) Toluene	8.714	92	136159	55.389	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	74631	54.221	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	82745	54.392	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	54138	55.853	ug/l		95
56) Ethyl methacrylate	9.116	69	90607	58.651	ug/l		98
57) 1,3-Dichloropropane	9.305	76	96432	55.396	ug/l		98
59) 2-Hexanone	9.427	43	378895	299.078	ug/l		100
60) Dibromochloromethane	9.519	129	61088	57.386	ug/l		99
61) 1,2-Dibromoethane	9.604	107	56278	55.862	ug/l		99
64) Tetrachloroethene	9.269	164	46842	52.259	ug/l		96
65) Chlorobenzene	10.073	112	145499	52.474	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	50755	53.606	ug/l		98
67) Ethyl Benzene	10.189	91	265445	54.309	ug/l		99
68) m/p-Xylenes	10.299	106	191957	107.381	ug/l		97
69) o-Xylene	10.640	106	95278	54.671	ug/l		97
70) Styrene	10.653	104	155904	54.610	ug/l		99
71) Bromoform	10.799	173	37983	53.433	ug/l	#	96
73) Isopropylbenzene	10.957	105	253501	56.332	ug/l		100
74) N-amyl acetate	10.842	43	120099	54.008	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	84712	53.717	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	73877m	53.097	ug/l		
77) Bromobenzene	11.195	156	57095	54.649	ug/l		99
78) n-propylbenzene	11.299	91	296726	56.708	ug/l		99
79) 2-Chlorotoluene	11.360	91	185527	54.971	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	211600	56.283	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	22554	52.775	ug/l		99
82) 4-Chlorotoluene	11.451	91	208231	55.636	ug/l		99
83) tert-Butylbenzene	11.713	119	208936	55.173	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	211945	55.669	ug/l		100
85) sec-Butylbenzene	11.890	105	259376	55.783	ug/l		99
86) p-Isopropyltoluene	12.006	119	212388	55.338	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	103199	54.123	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	102282	52.526	ug/l		99
89) n-Butylbenzene	12.329	91	181190	53.820	ug/l		99
90) Hexachloroethane	12.536	117	36535	54.032	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	103043	53.854	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19932	57.053	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	54008	49.144	ug/l		99
94) Hexachlorobutadiene	13.719	225	22295	46.451	ug/l		98
95) Naphthalene	13.774	128	209276	51.921	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	57612	50.806	ug/l		98

Sample Results: **VX046307.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046307.D
Acq On : 21 May 2025 18:58
Operator : JC/MD
Sample : Q2082-10MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 22 01:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

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\VX052125\
Data File : VX046307.D
Acq On : 21 May 2025 18:58
Operator : JC/MD
Sample : Q2082-10MS
Misc : 5.0mL/MSVOA_X/WATER
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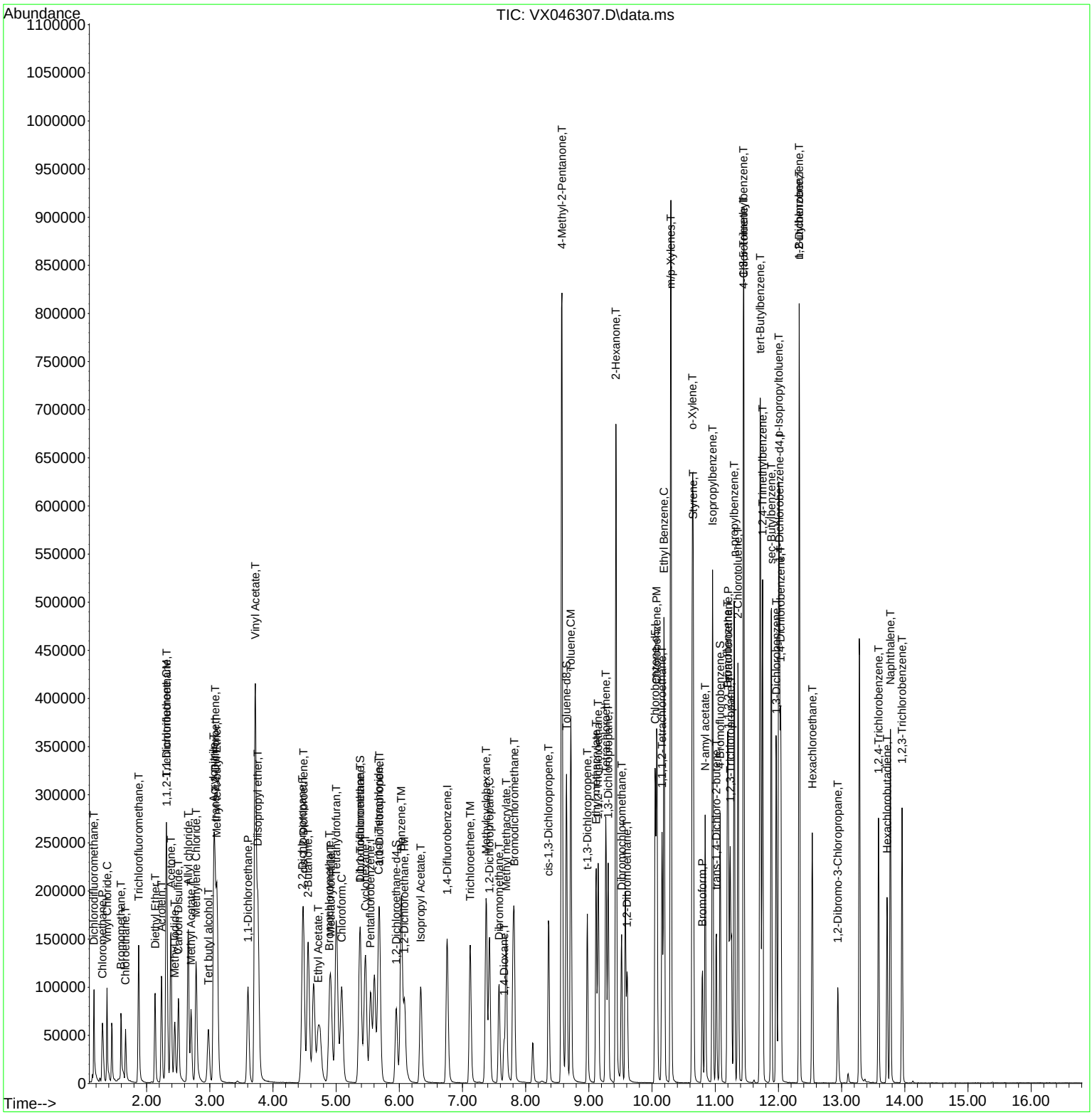
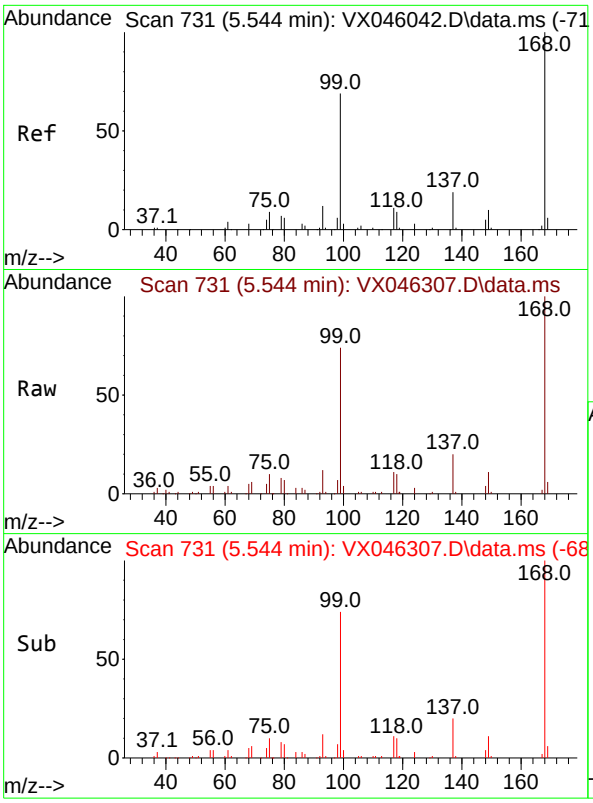
Quant Time: May 22 01:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

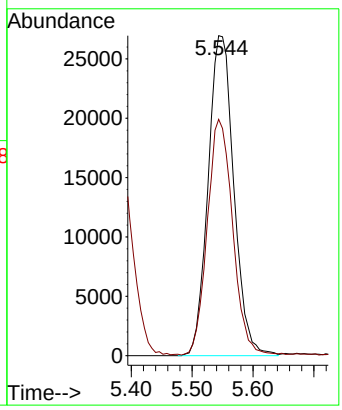




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:168 Resp: 7897

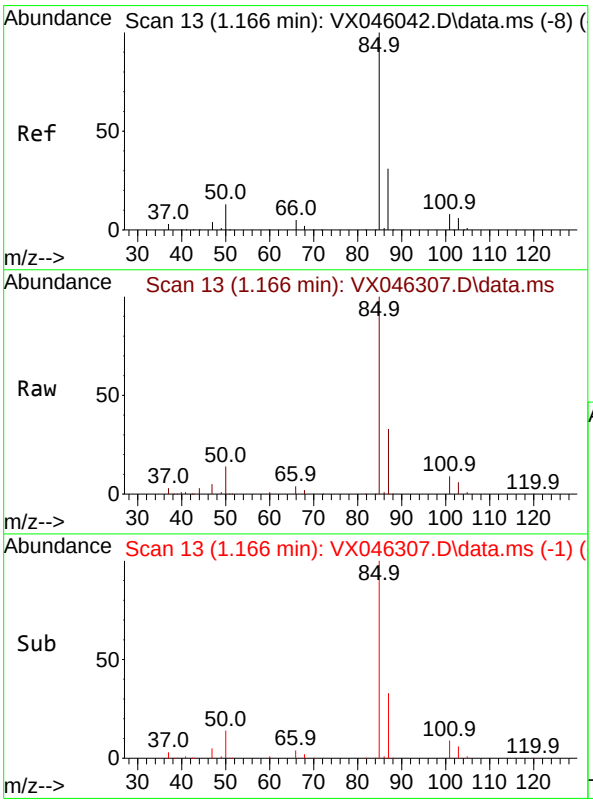
Ion	Ratio	Lower	Upper
168	100		
99	73.4	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Manual Integrations
APPROVED

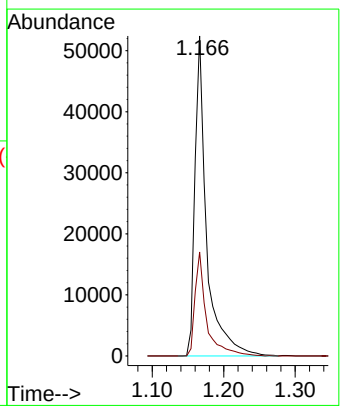
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

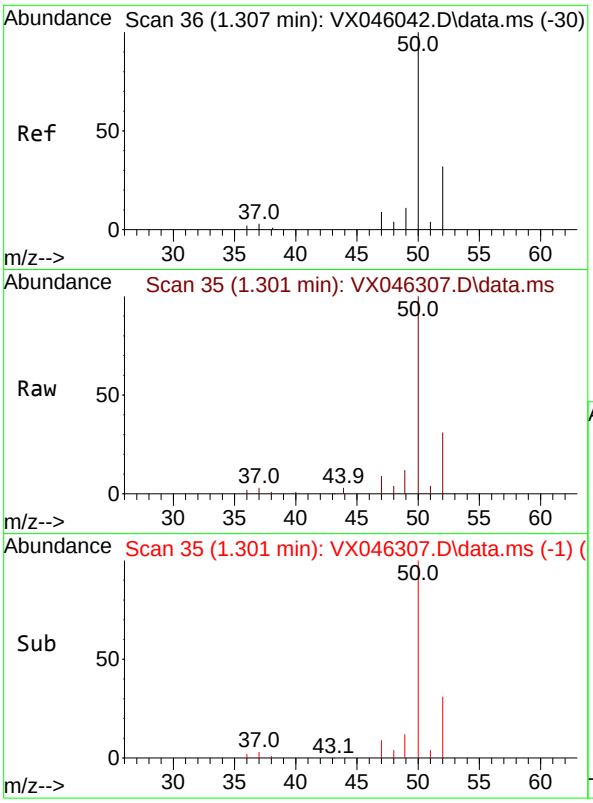


#2
Dichlorodifluoromethane
Concen: 48.987 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 85 Resp: 59216

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1

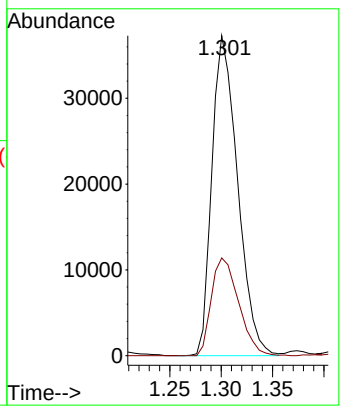




#3
Chloromethane
Concen: 55.293 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 50 Resp: 6481

Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/22/2025
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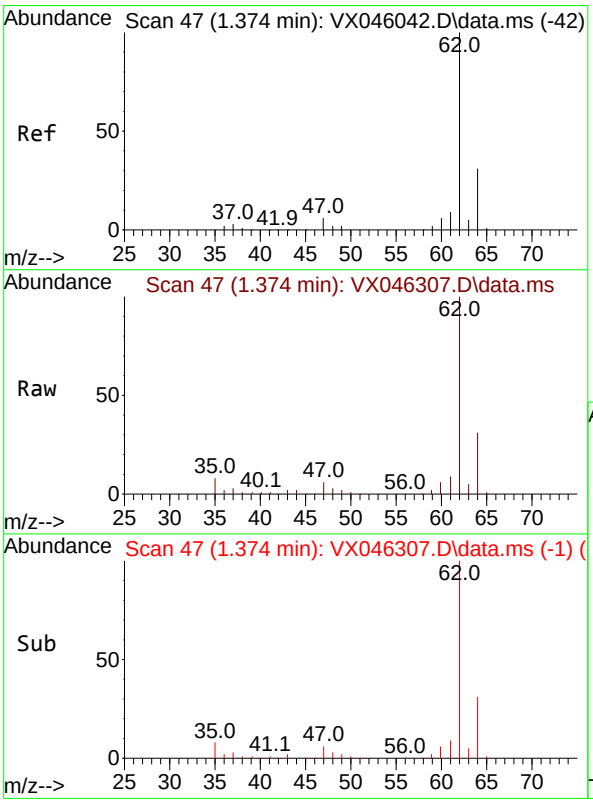
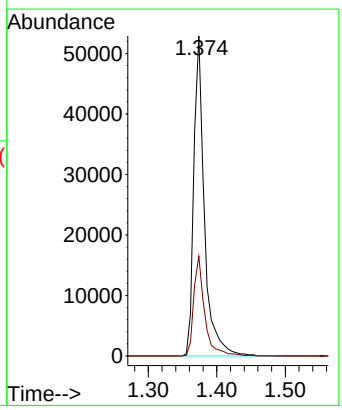
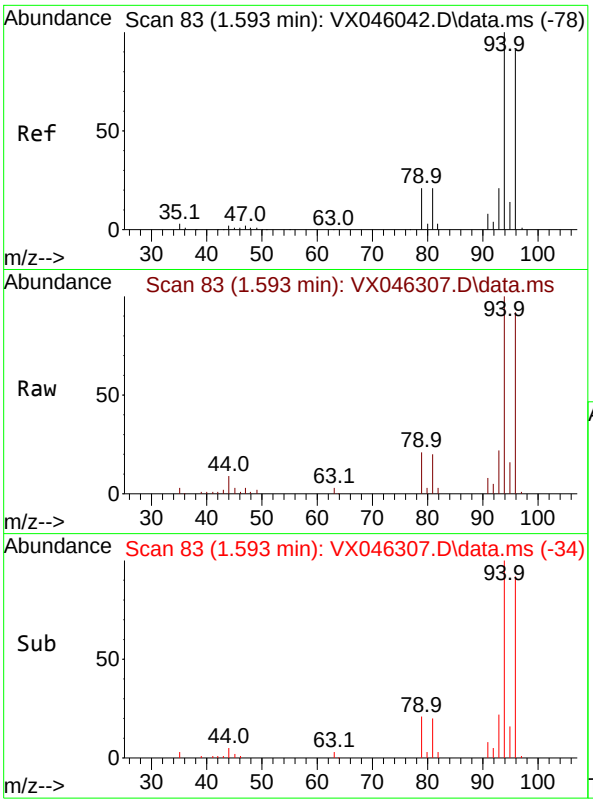


#4
Vinyl Chloride
Concen: 52.574 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 62 Resp: 57358

Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.2	37.8

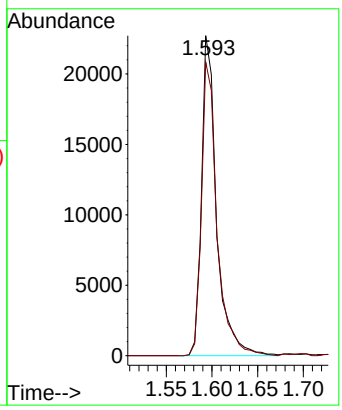




#5
Bromomethane
Concen: 51.176 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 94 Resp: 2589

Ion	Ratio	Lower	Upper
94	100		
96	91.8	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
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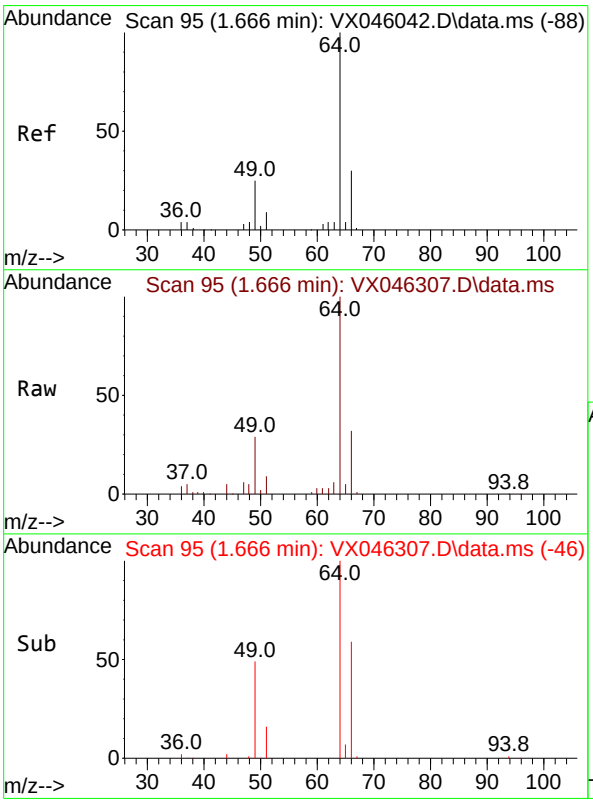
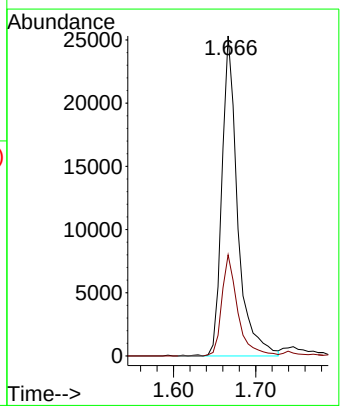
Supervised By :Mahesh Dadoda 05/22/2025

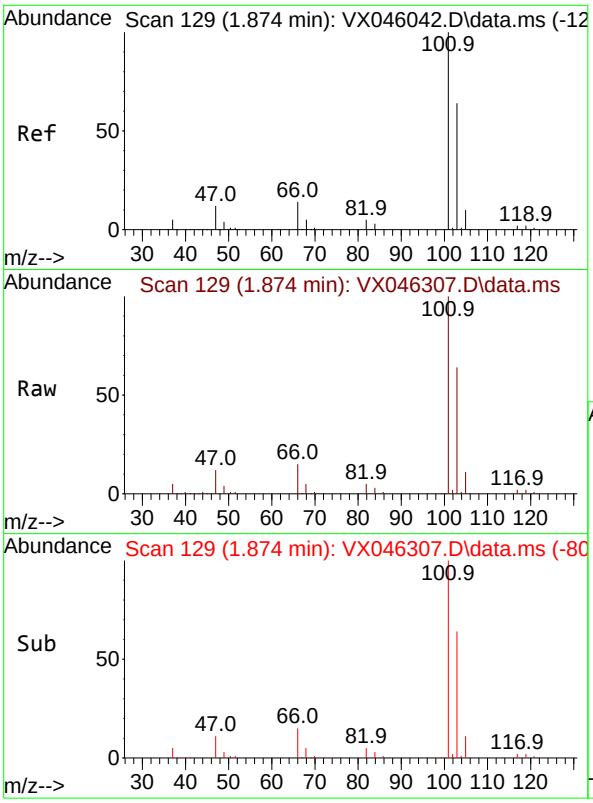


#6
Chloroethane
Concen: 57.817 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 64 Resp: 33674

Ion	Ratio	Lower	Upper
64	100		
66	31.6	24.3	36.5

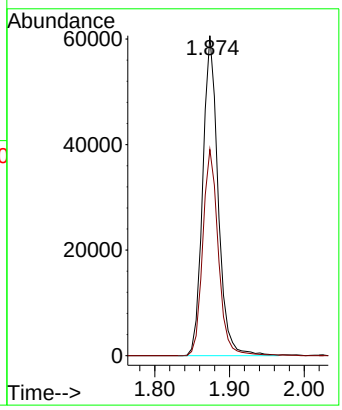




#7
Trichlorofluoromethane
Concen: 53.727 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:101 Resp: 8662

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.0	76.4



Instrument :
MSVOA_X
ClientSampleId :
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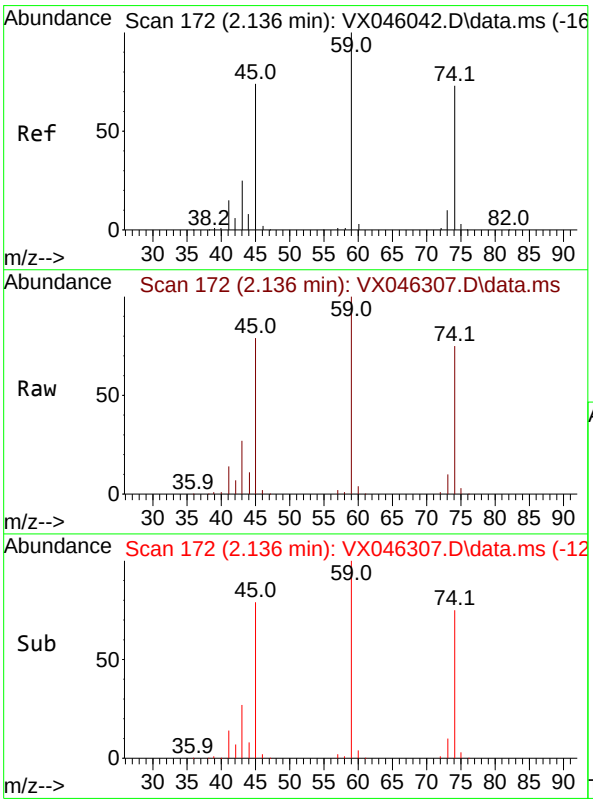
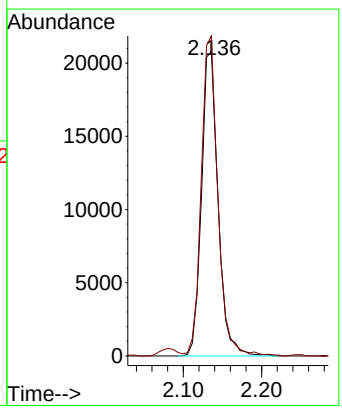
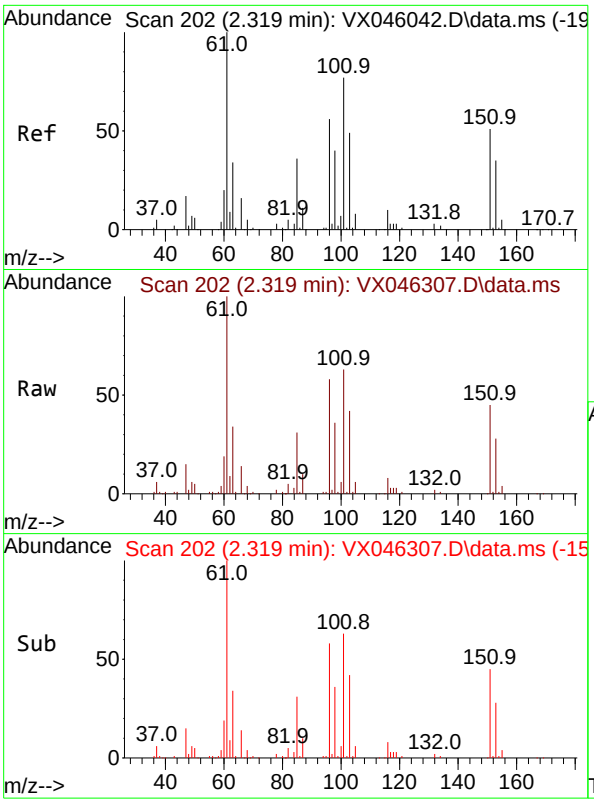


#8
Diethyl Ether
Concen: 55.614 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 74 Resp: 30526

Ion	Ratio	Lower	Upper
74	100		
45	105.8	54.9	164.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.198 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:101 Resp: 4809

Ion	Ratio	Lower	Upper
101	100		
85	49.5	38.6	58.0
151	70.8	55.2	82.8

Instrument :
MSVOA_X
ClientSampleId :
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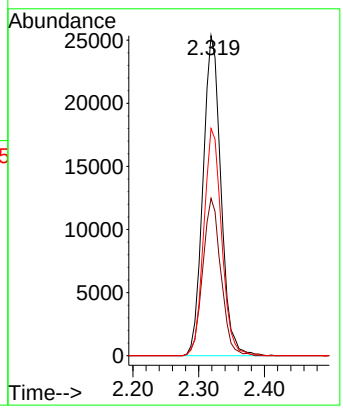
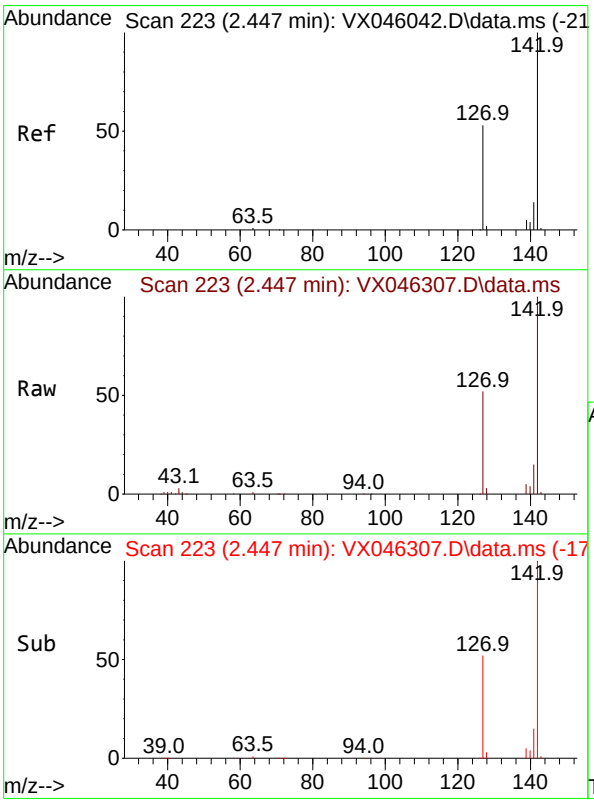
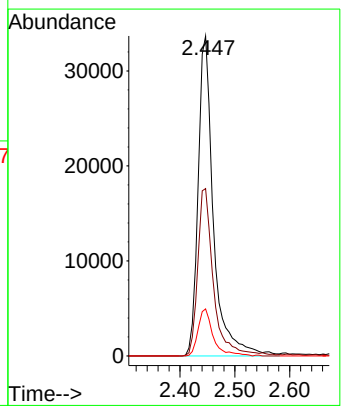


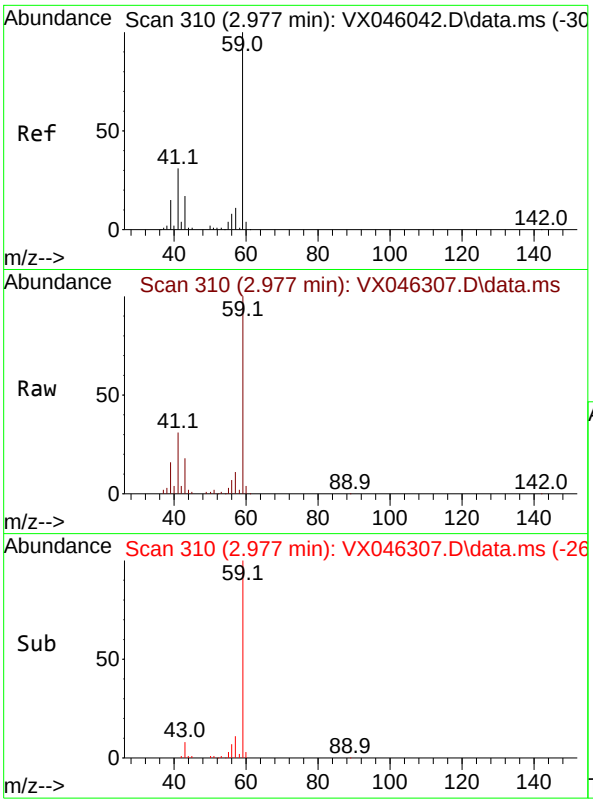


#10
Methyl Iodide
Concen: 55.584 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:142 Resp: 65628

Ion	Ratio	Lower	Upper
142	100		
127	53.6	41.7	62.5
141	14.5	11.5	17.3

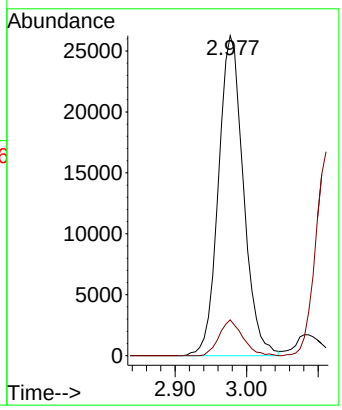




#11
Tert butyl alcohol
Concen: 308.035 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 59 Resp: 6366

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
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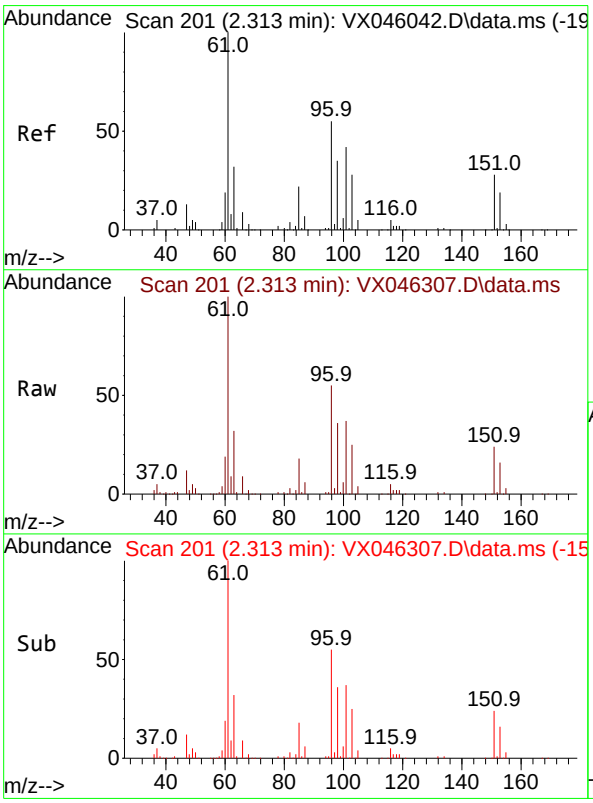
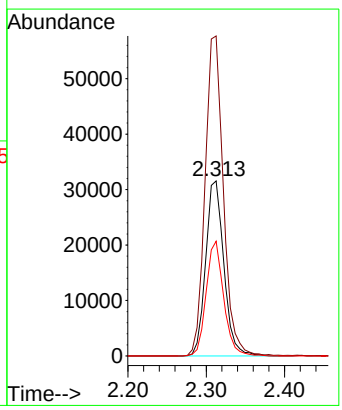
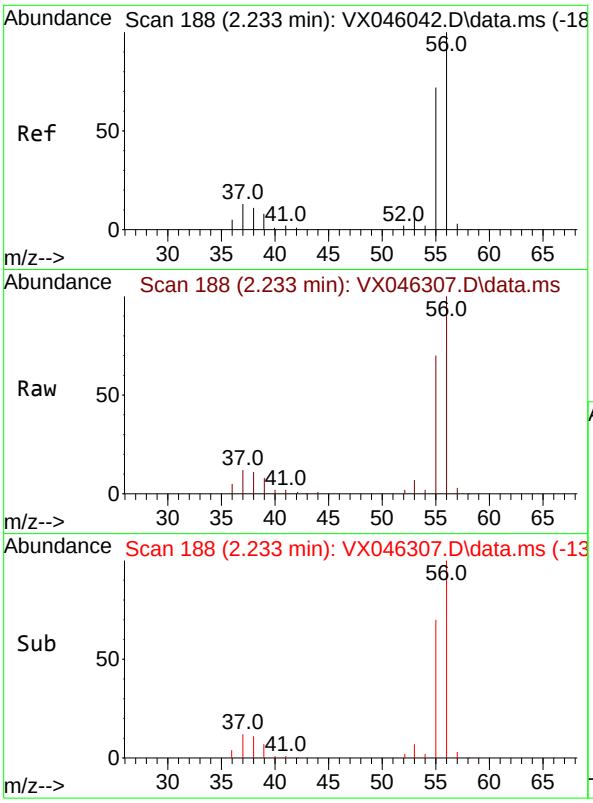


#12
1,1-Dichloroethene
Concen: 54.345 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 96 Resp: 50893

Ion	Ratio	Lower	Upper
96	100		
61	182.8	146.2	219.2
98	65.6	51.0	76.6





#13
Acrolein
Concen: 329.263 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 56 Resp: 7750

Ion	Ratio	Lower	Upper
56	100		
55	70.6	56.2	84.4

Instrument :
MSVOA_X
ClientSampleId :
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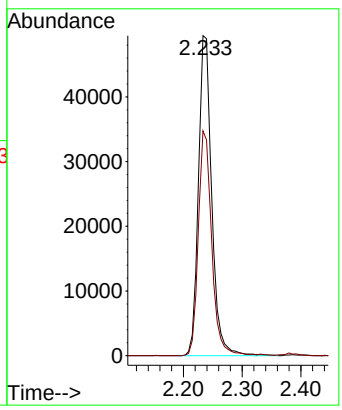
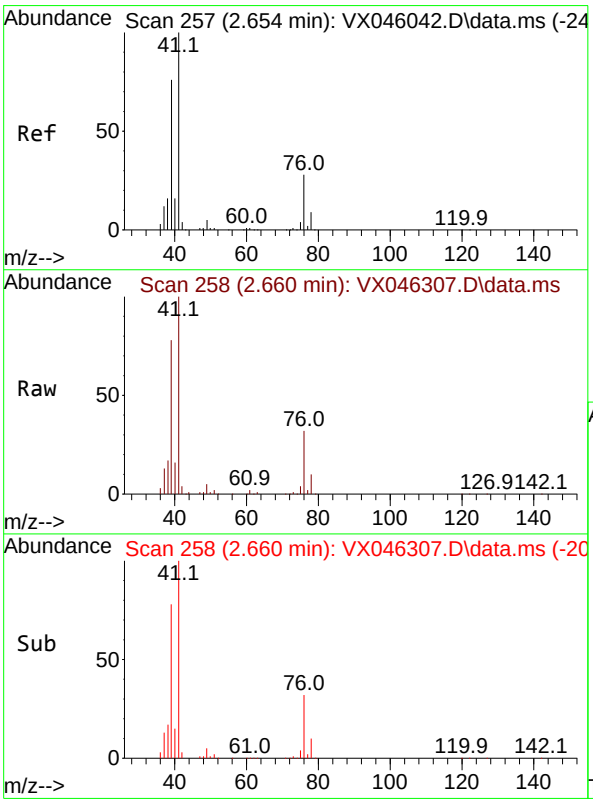
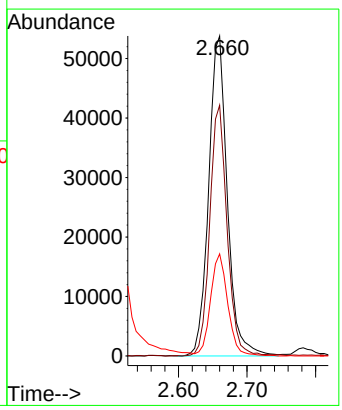


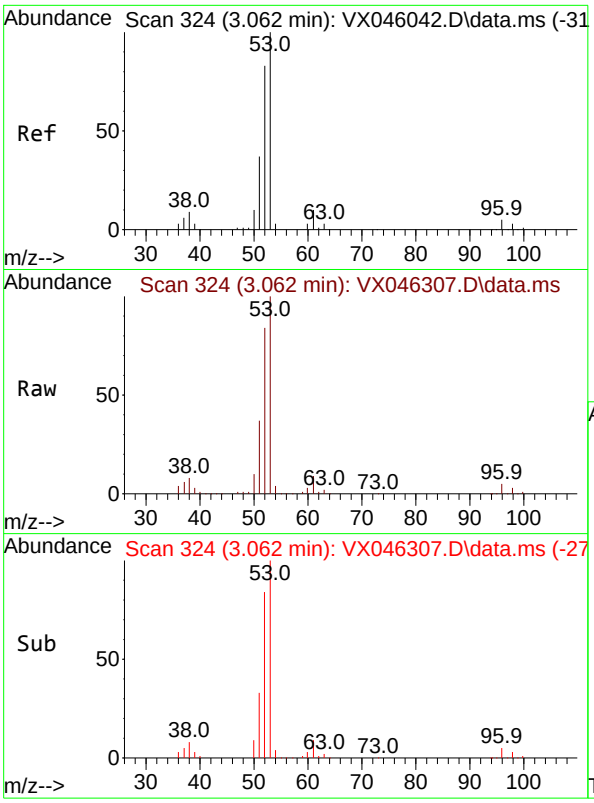


#14
Allyl chloride
Concen: 56.908 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 41 Resp: 101853

Ion	Ratio	Lower	Upper
41	100		
39	72.8	60.6	90.8
76	29.4	24.9	37.3

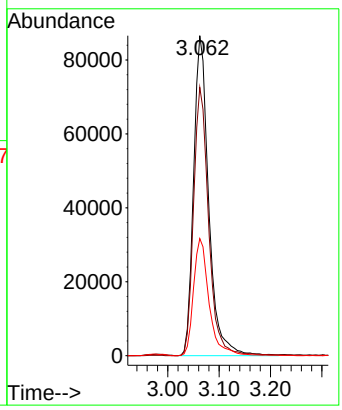




#15
Acrylonitrile
Concen: 300.281 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 53 Resp: 17746

Ion	Ratio	Lower	Upper
53	100		
52	83.7	65.3	97.9
51	37.7	29.8	44.8



Instrument :
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ClientSampleId :
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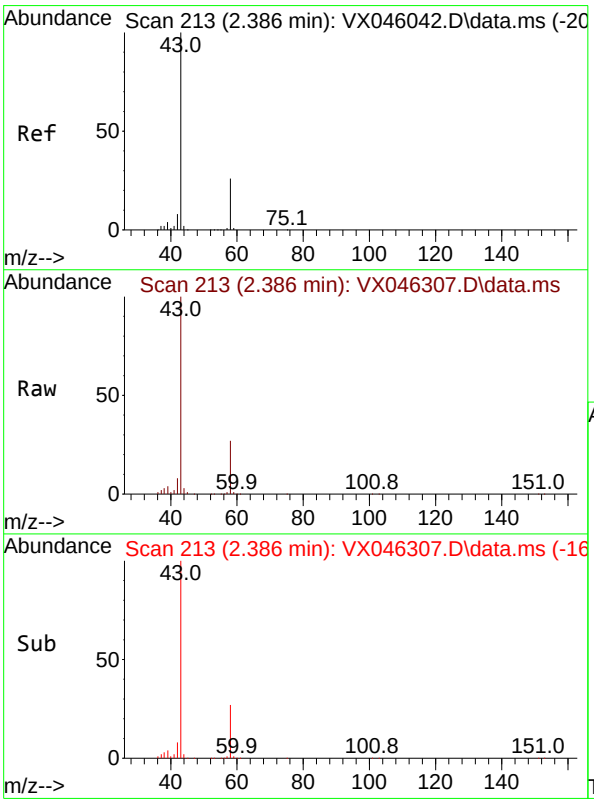
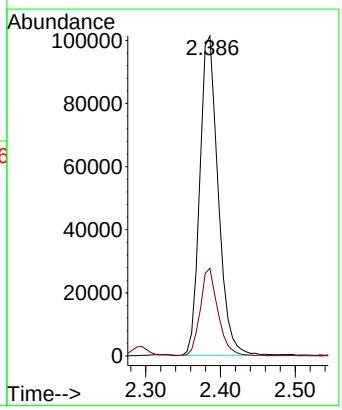
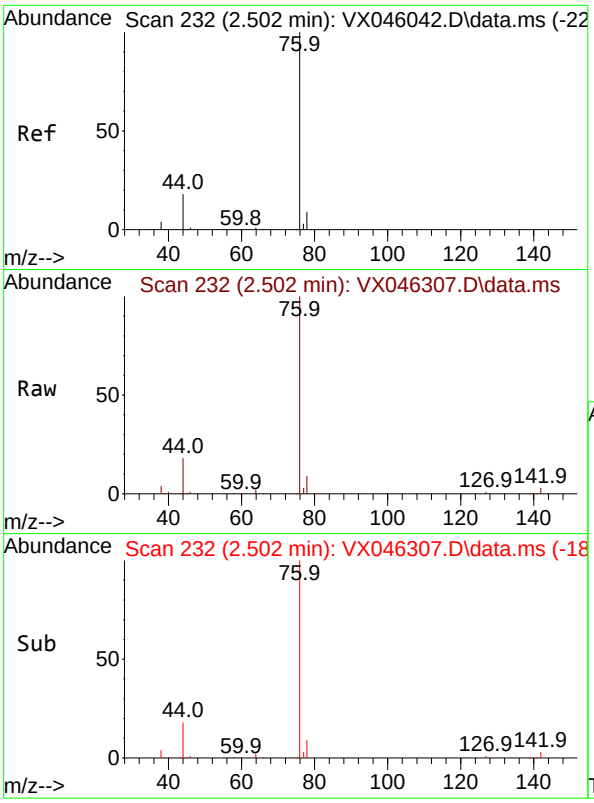


#16
Acetone
Concen: 292.804 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 43 Resp: 172861

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.2	31.8





#17
Carbon Disulfide
Concen: 49.834 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 76 Resp: 11064

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

Instrument :
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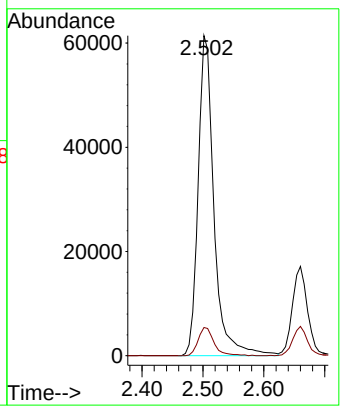
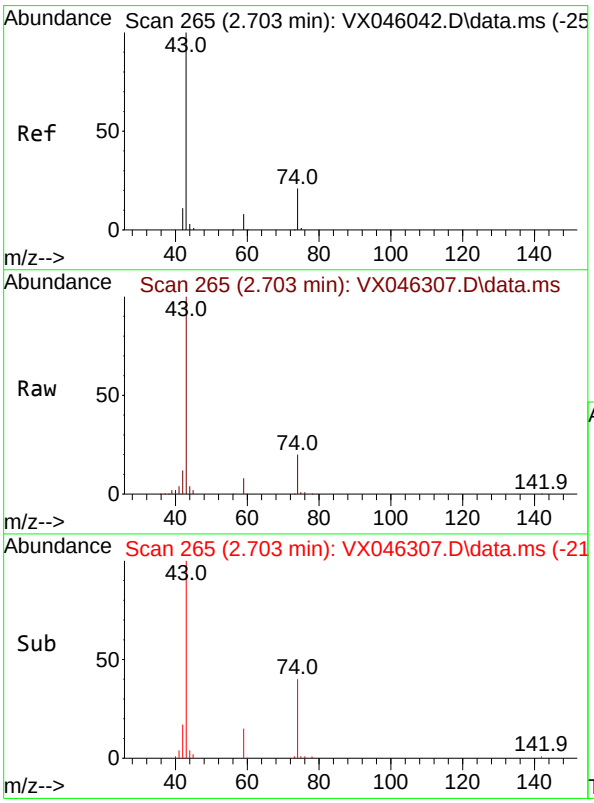
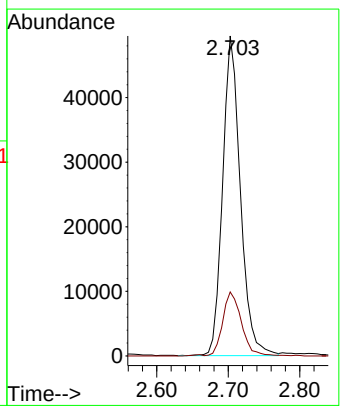


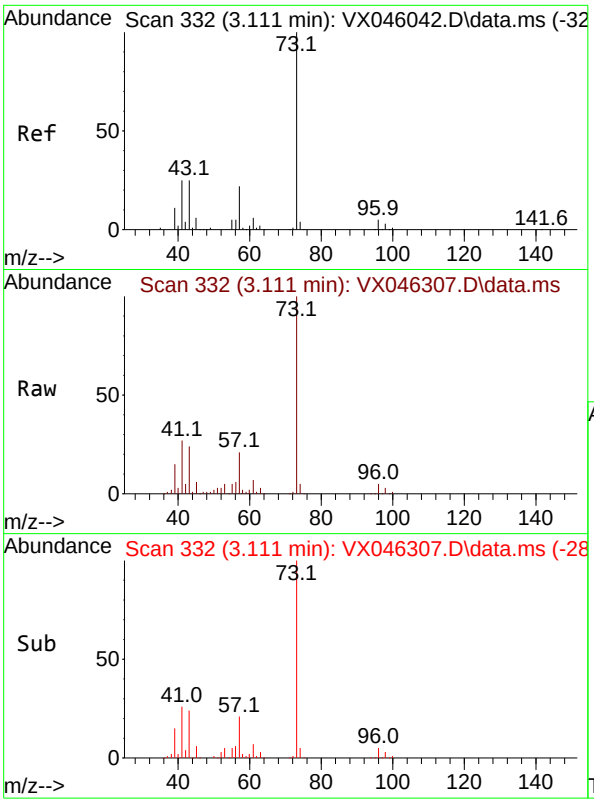


#18
Methyl Acetate
Concen: 62.252 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 43 Resp: 85283

Ion	Ratio	Lower	Upper
43	100		
74	21.3	16.7	25.1





#19
Methyl tert-butyl Ether
Concen: 56.889 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 73 Resp: 18678

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.7	26.5

Instrument :
MSVOA_X
ClientSampleId :
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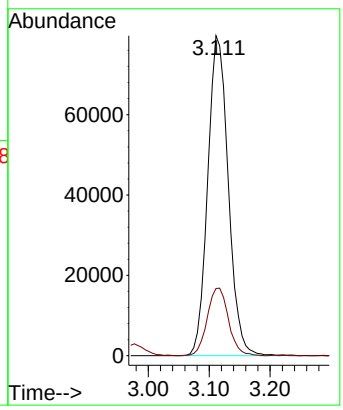
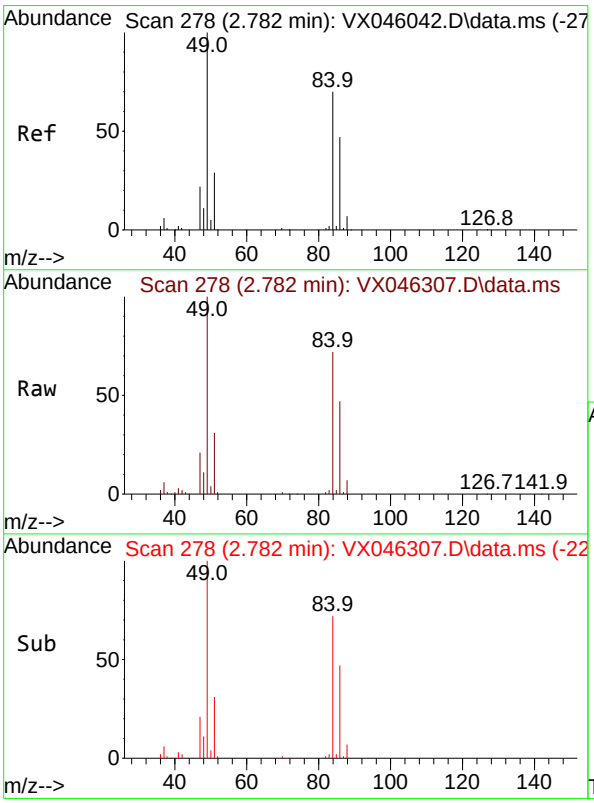
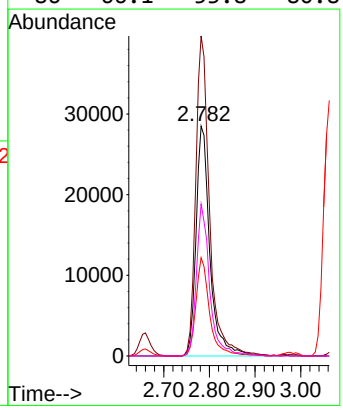


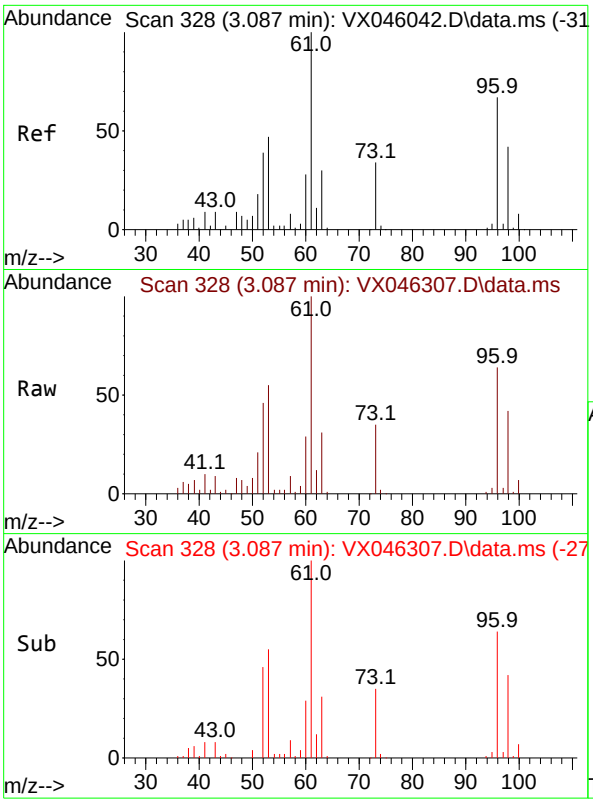


#20
Methylene Chloride
Concen: 53.021 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 84 Resp: 59984

Ion	Ratio	Lower	Upper
84	100		
49	139.3	113.9	170.9
51	42.7	33.5	50.3
86	66.1	53.8	80.8

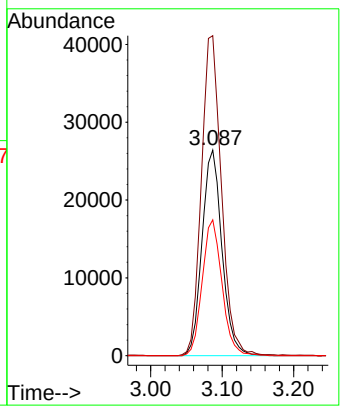




#21
trans-1,2-Dichloroethene
Concen: 54.387 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 96 Resp: 5122

Ion	Ratio	Lower	Upper
96	100		
61	155.7	119.5	179.3
98	66.1	50.0	75.0



Instrument :
MSVOA_X
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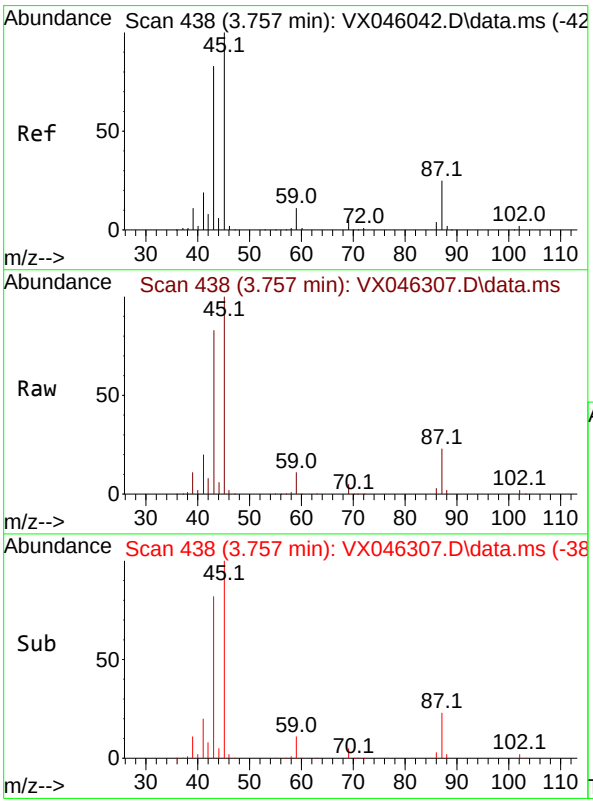
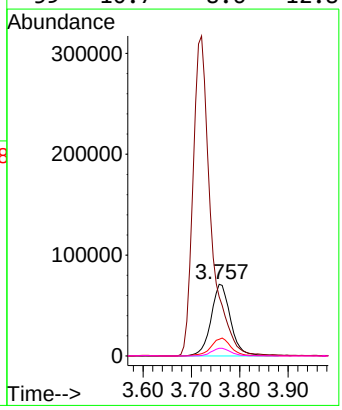
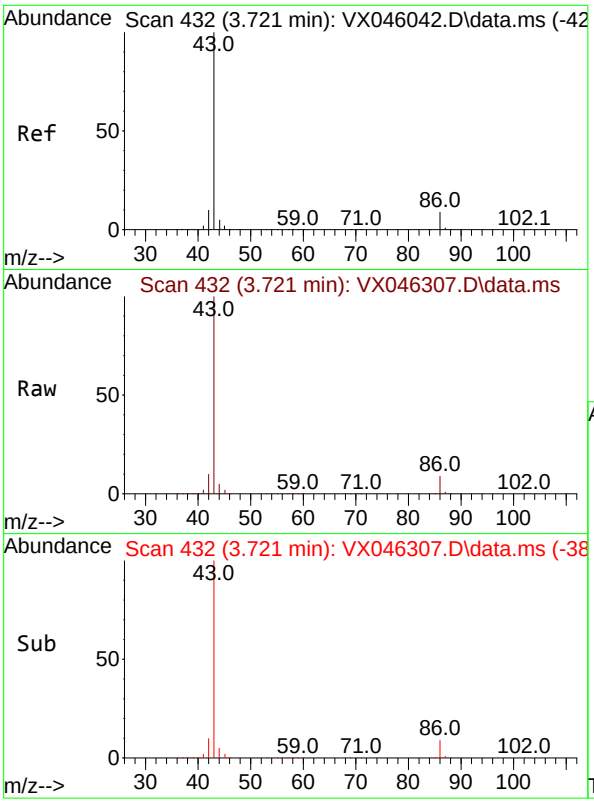


#22
Diisopropyl ether
Concen: 57.724 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 45 Resp: 199564

Ion	Ratio	Lower	Upper
45	100		
43	82.4	66.6	100.0
87	23.3	19.8	29.6
59	10.7	8.6	12.8

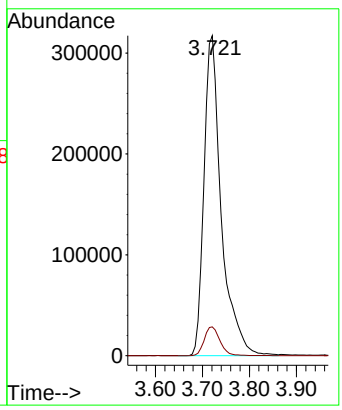




#23
Vinyl Acetate
Concen: 266.882 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 43 Resp: 81152

Ion	Ratio	Lower	Upper
43	100		
86	9.0	7.5	11.3



Instrument :
MSVOA_X
ClientSampleId :
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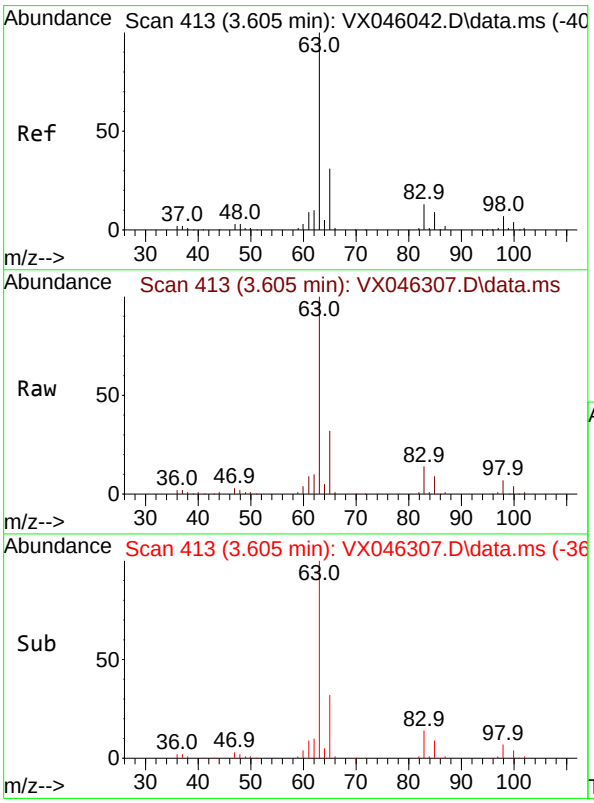
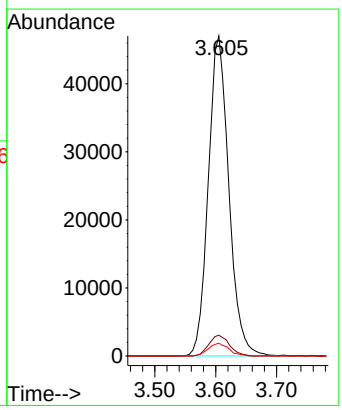
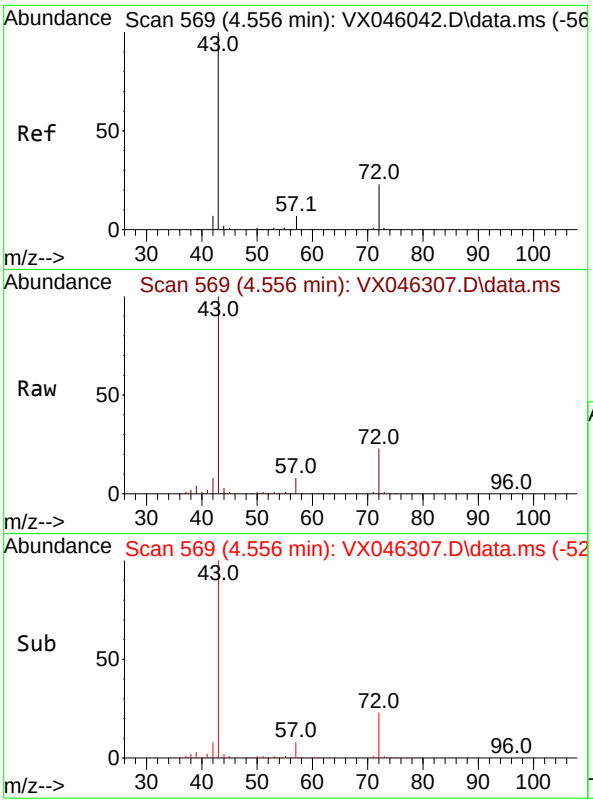


#24
1,1-Dichloroethane
Concen: 57.143 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 63 Resp: 110034

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.6	10.8
100	4.0	2.1	6.3





#25
2-Butanone
Concen: 302.686 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 43 Resp: 25942

Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.4	27.6

Instrument :
MSVOA_X
ClientSampleId :
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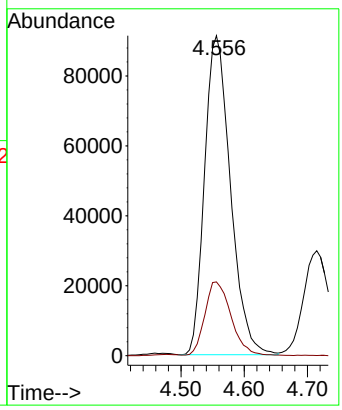
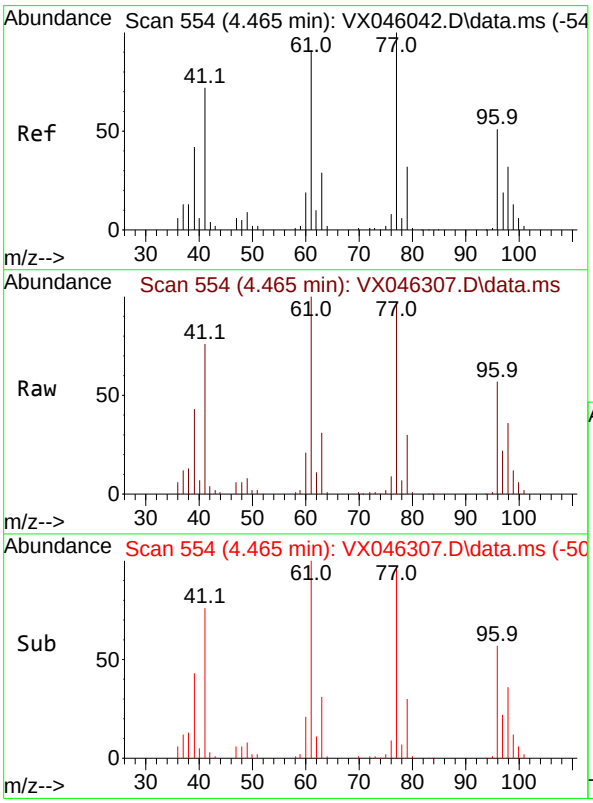
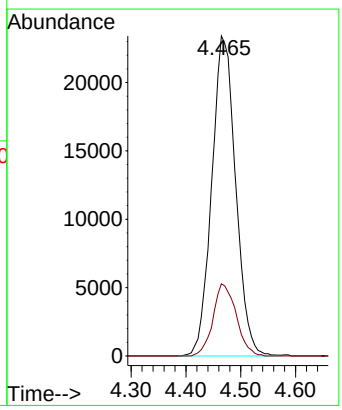


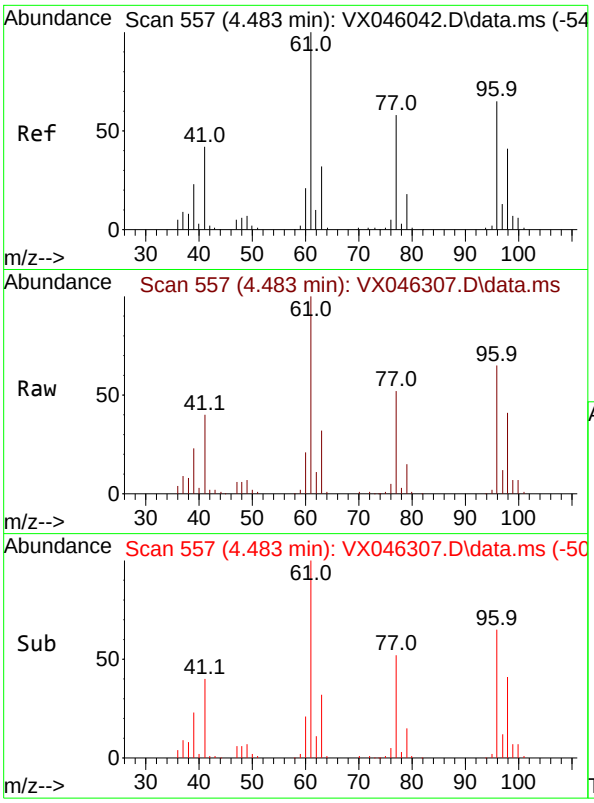


#26
2,2-Dichloropropane
Concen: 47.051 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 77 Resp: 70914

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.5	31.5

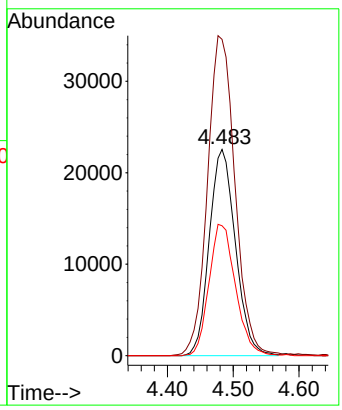




#27
cis-1,2-Dichloroethene
Concen: 55.189 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 96 Resp: 6257

Ion	Ratio	Lower	Upper
96	100		
61	162.9	0.0	322.8
98	64.5	0.0	129.0



Instrument :
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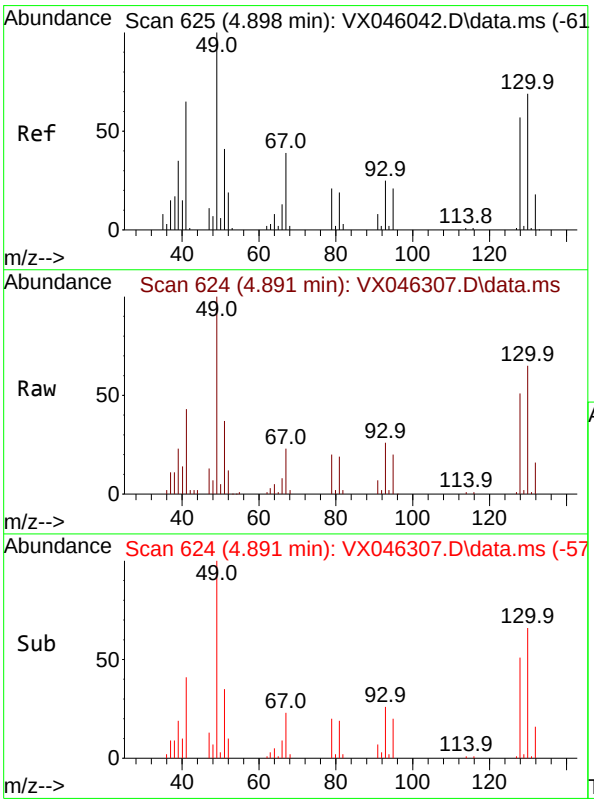
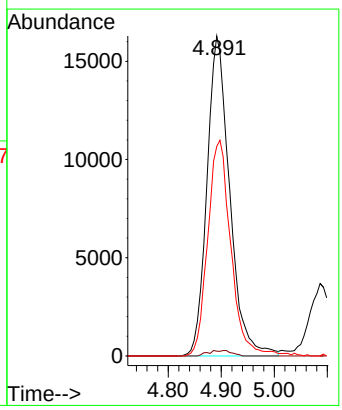
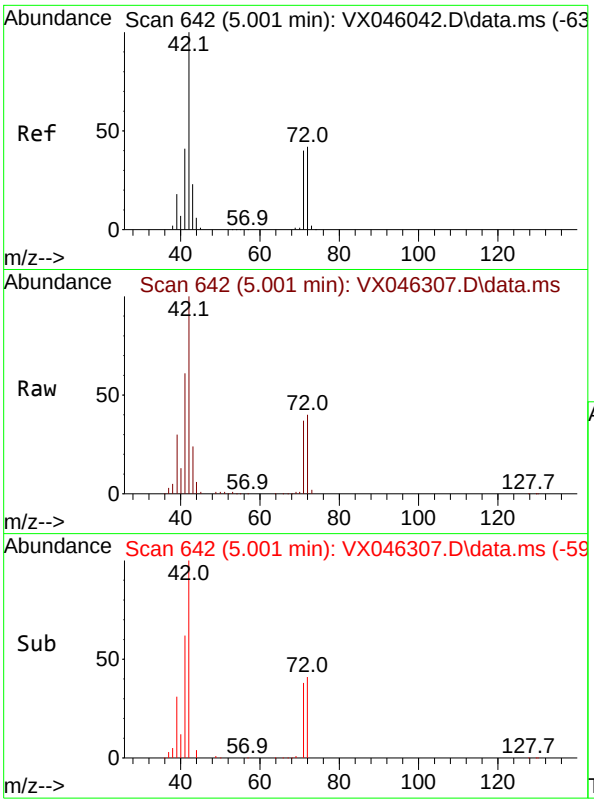


#28
Bromochloromethane
Concen: 52.324 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 49 Resp: 48498

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	68.6	56.2	84.2





#29
Tetrahydrofuran
Concen: 301.432 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 42 Resp: 16189

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	37.8	31.4	47.2

Instrument :
MSVOA_X
ClientSampleId :
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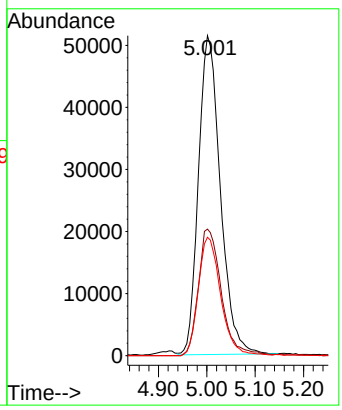
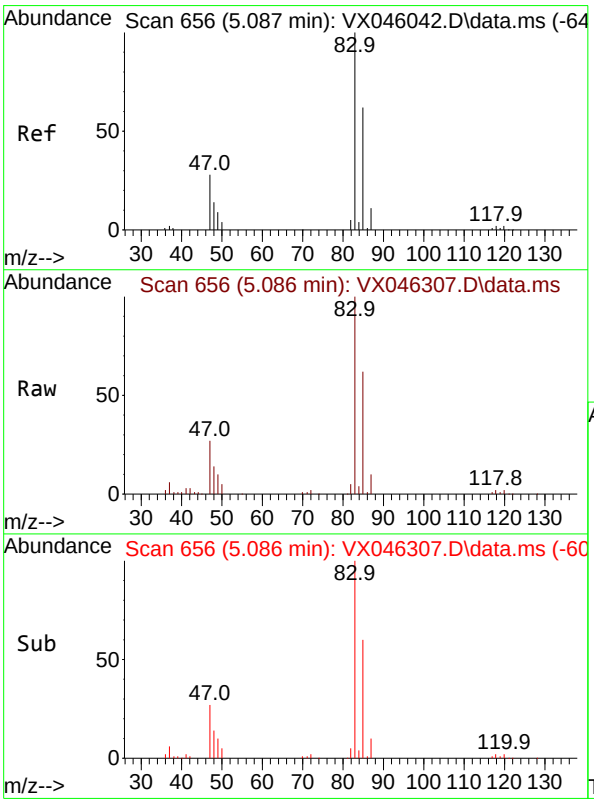
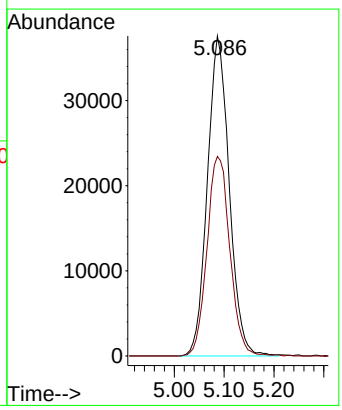


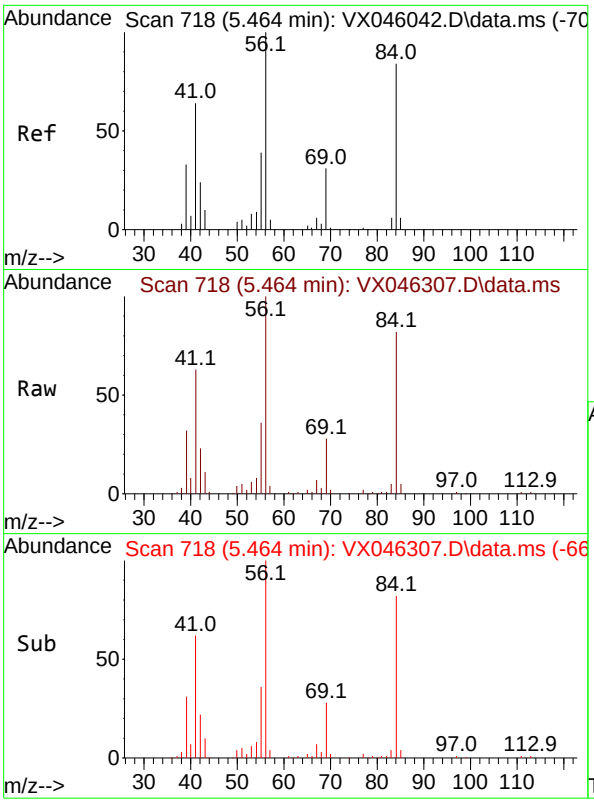


#30
Chloroform
Concen: 56.916 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 83 Resp: 114234

Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.3	73.9





#31
Cyclohexane
Concen: 51.745 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 56 Resp: 9079

Ion	Ratio	Lower	Upper
56	100		
69	27.6	24.4	36.6
84	80.8	66.9	100.3

Instrument :
MSVOA_X
ClientSampleId :
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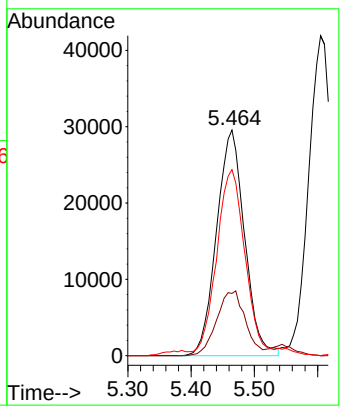
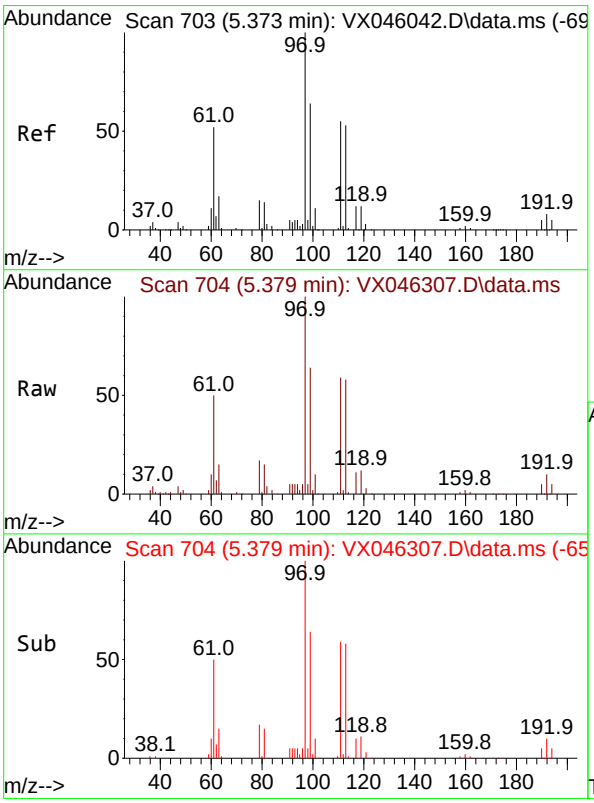
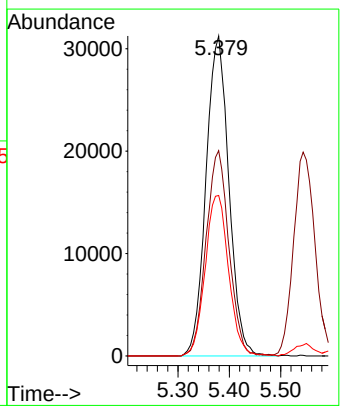


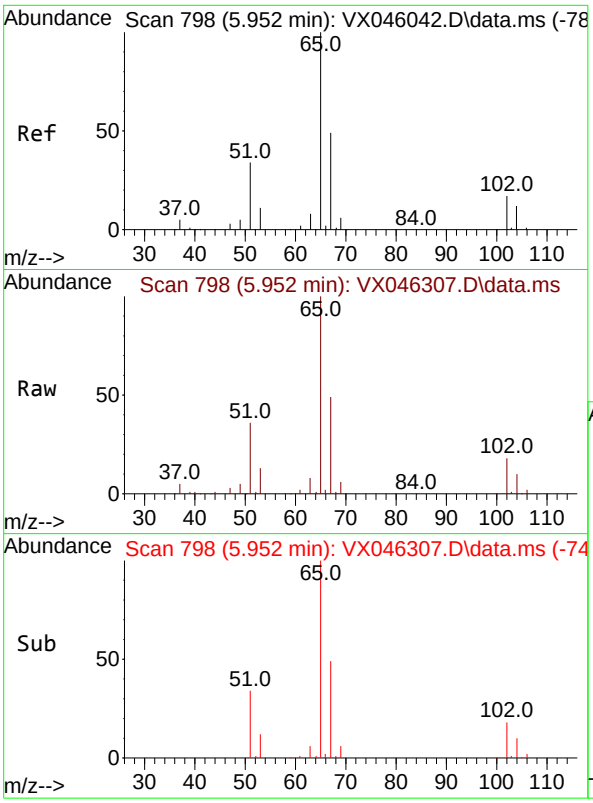


#32
1,1,1-Trichloroethane
Concen: 55.528 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 97 Resp: 96610

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.6
61	51.6	40.1	60.1

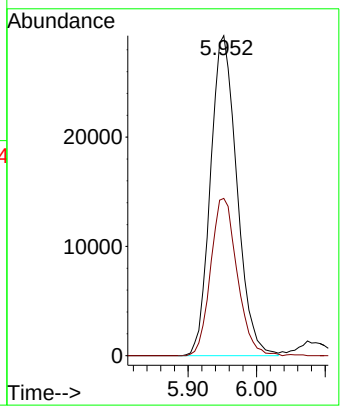




#33
1,2-Dichloroethane-d4
Concen: 53.217 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 65 Resp: 7835

Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
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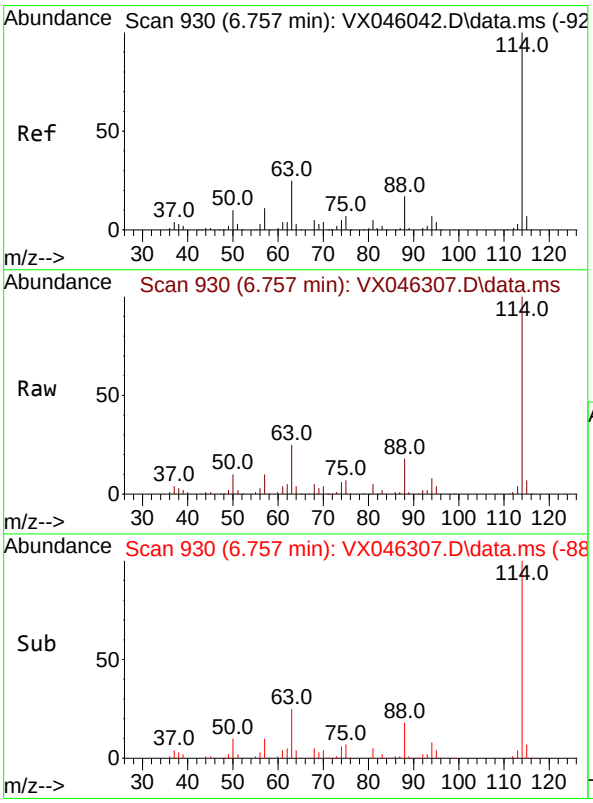
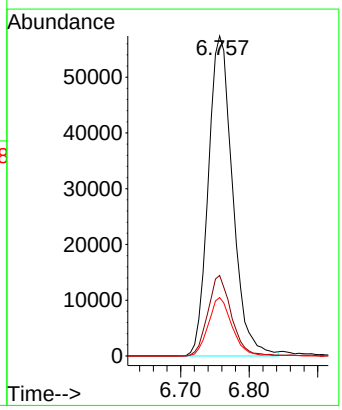
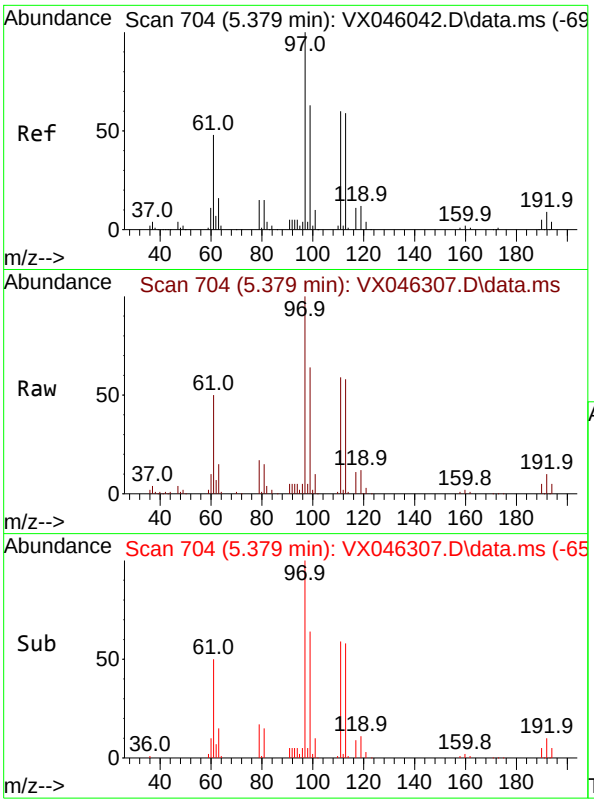


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:114 Resp: 141460

Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.2
88	18.2	0.0	33.6

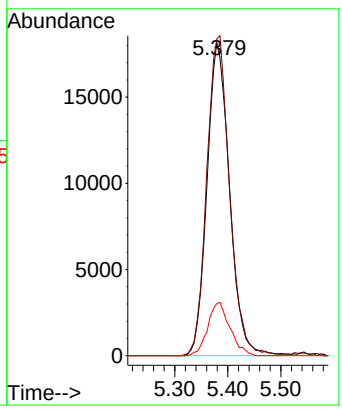




#35
Dibromofluoromethane
Concen: 52.569 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:113 Resp: 5355

Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.1	124.7
192	16.8	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
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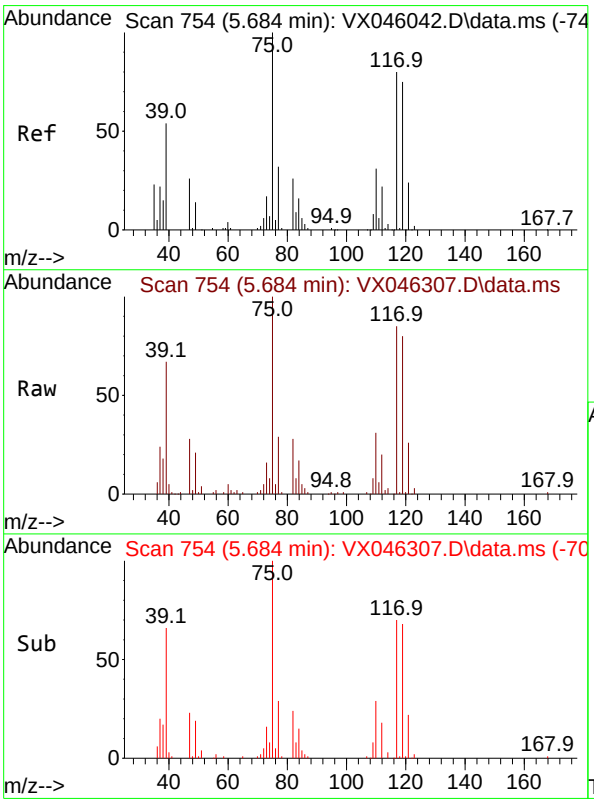
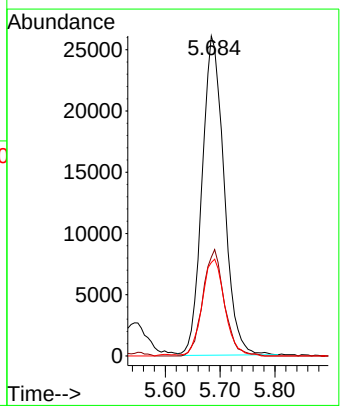
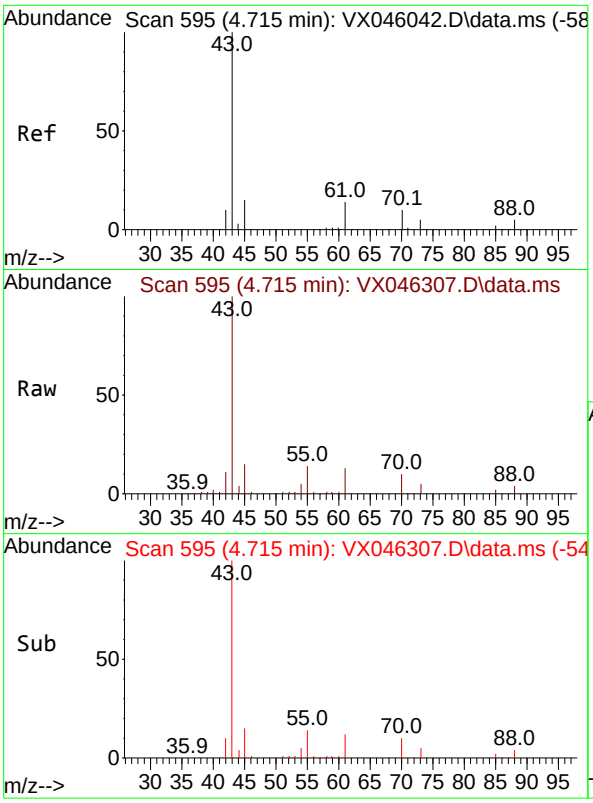


#36
1,1-Dichloropropene
Concen: 52.871 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 75 Resp: 72363

Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.3	48.9
77	31.3	24.3	36.5

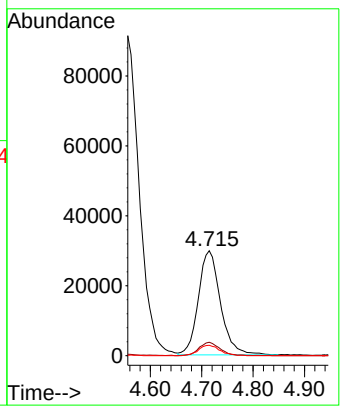




#37
Ethyl Acetate
Concen: 52.723 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 43 Resp: 8915

Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.3	15.5
70	9.7	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
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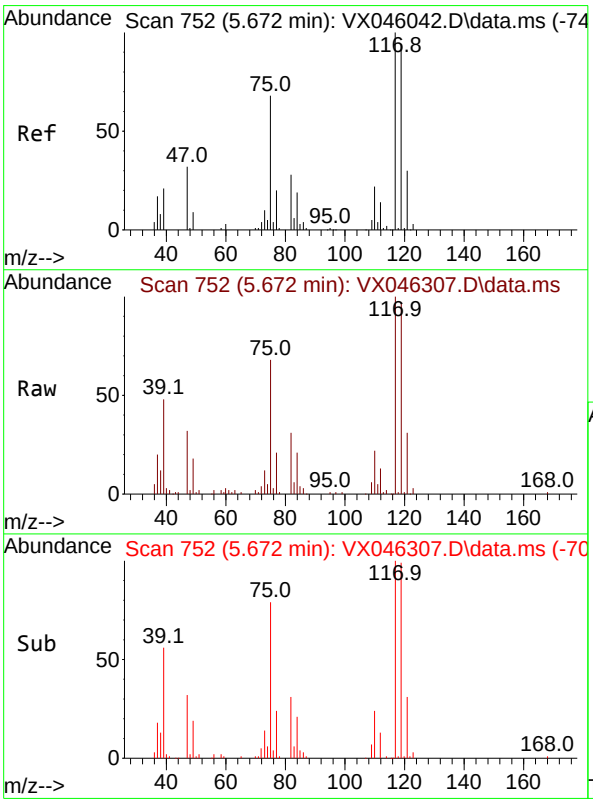
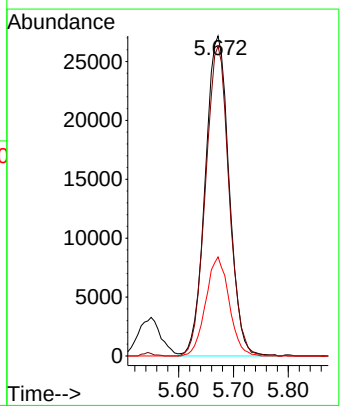
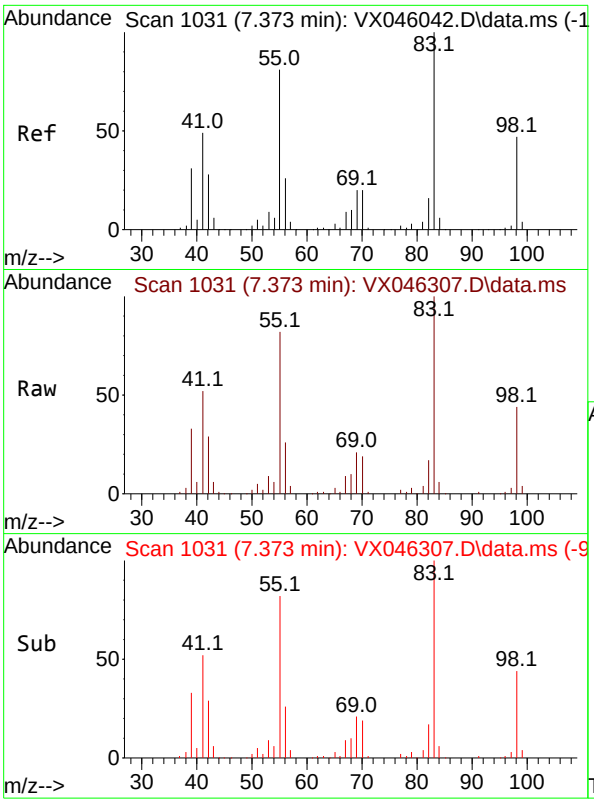


#38
Carbon Tetrachloride
Concen: 53.313 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:117 Resp: 81986

Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.2	112.8
121	31.0	24.2	36.4

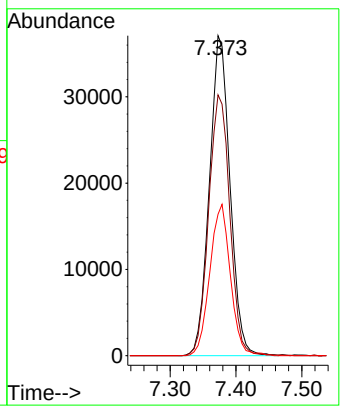




#39
Methylcyclohexane
Concen: 45.877 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 83 Resp: 8083

Ion	Ratio	Lower	Upper
83	100		
55	81.5	64.7	97.1
98	44.2	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
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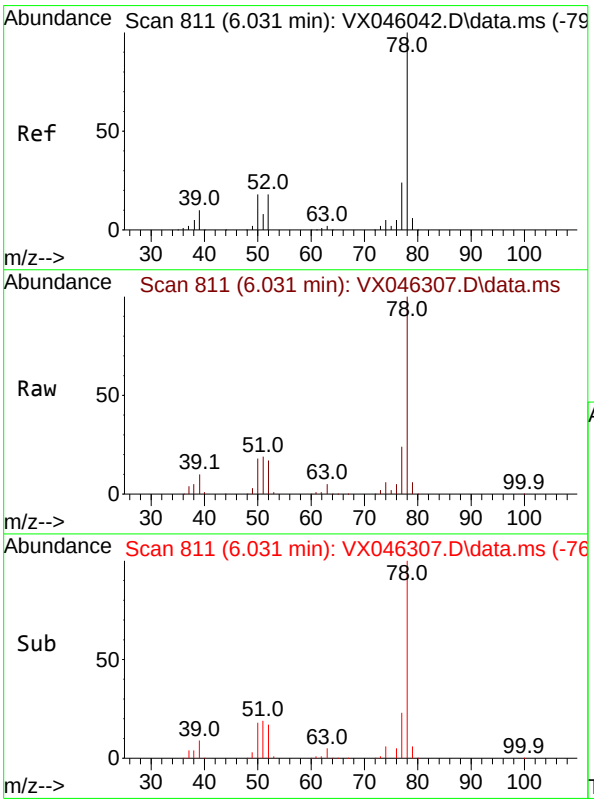
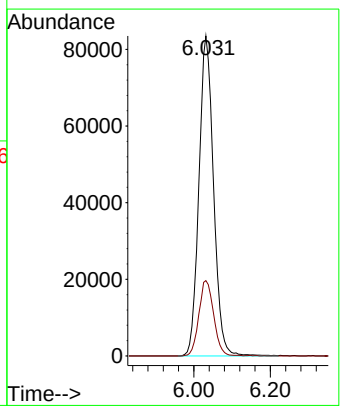
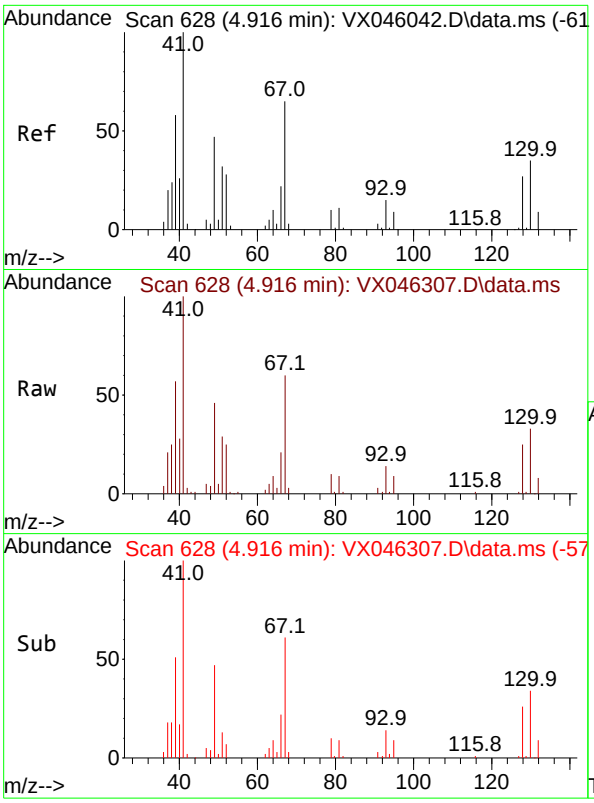


#40
Benzene
Concen: 55.283 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 78 Resp: 221627

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4

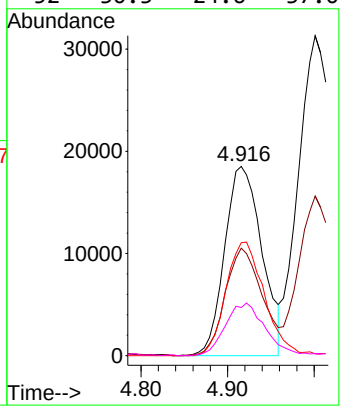




#41
Methacrylonitrile
Concen: 62.723 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 41 Resp: 5548

Ion	Ratio	Lower	Upper
41	100		
39	56.2	47.2	70.8
67	62.5	50.7	76.1
52	30.3	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

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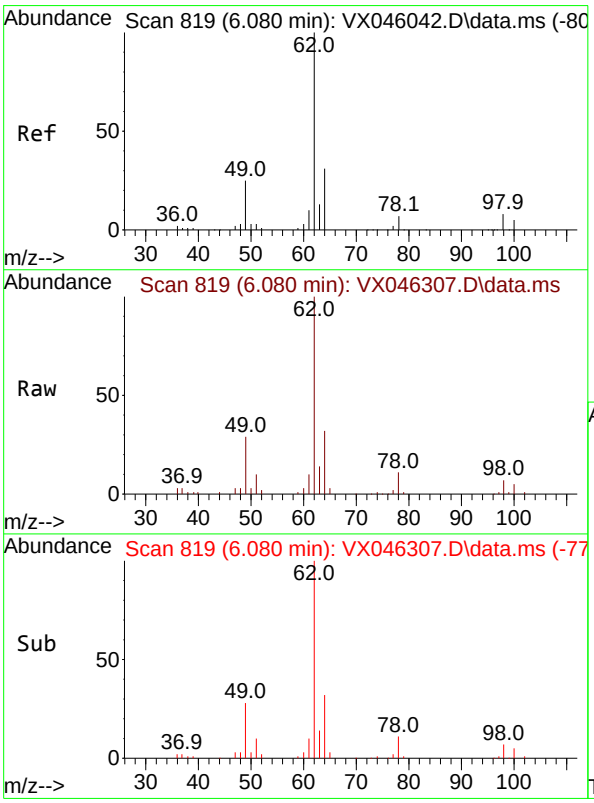
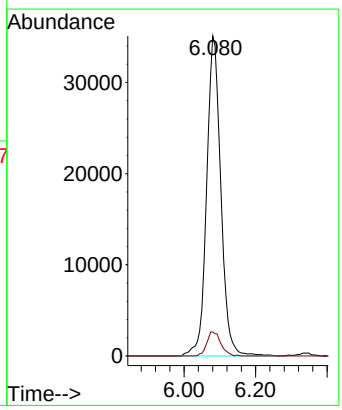
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

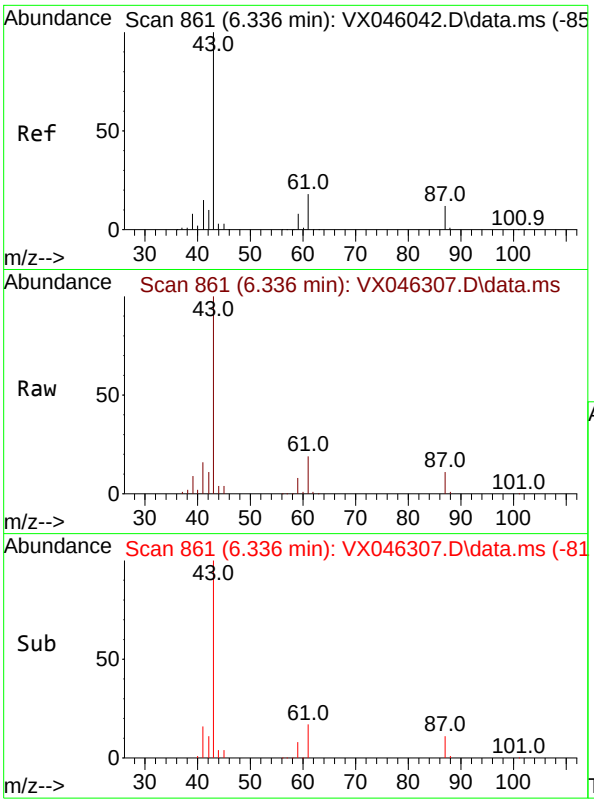


#42
1,2-Dichloroethane
Concen: 55.949 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 62 Resp: 96805

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2





#43
Isopropyl Acetate
Concen: 55.130 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 43 Resp: 14222

Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.3	21.5
87	11.5	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

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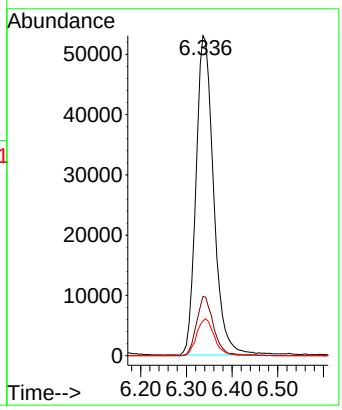
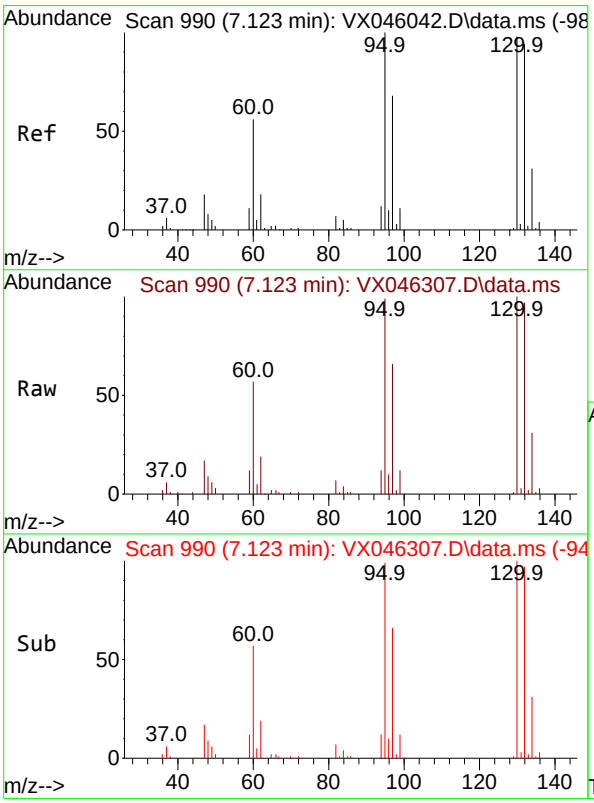
Supervised By :Mahesh Dadoda 05/22/2025

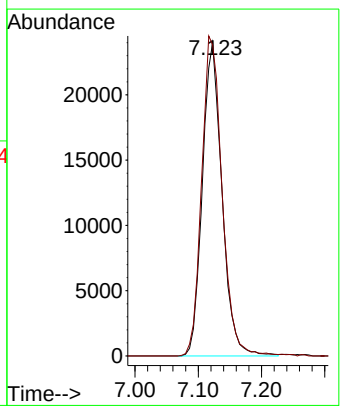


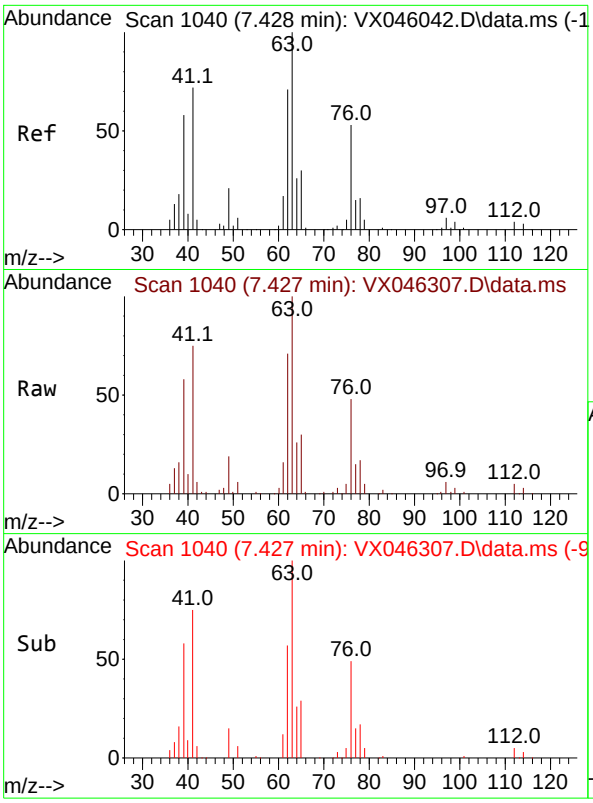


#44
Trichloroethene
Concen: 53.763 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:130 Resp: 51875

Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	204.2





#45
1,2-Dichloropropane
Concen: 56.982 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 63 Resp: 5680

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.1	36.1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

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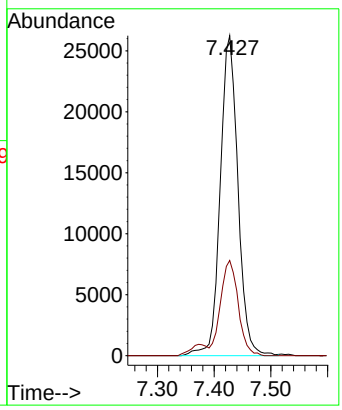
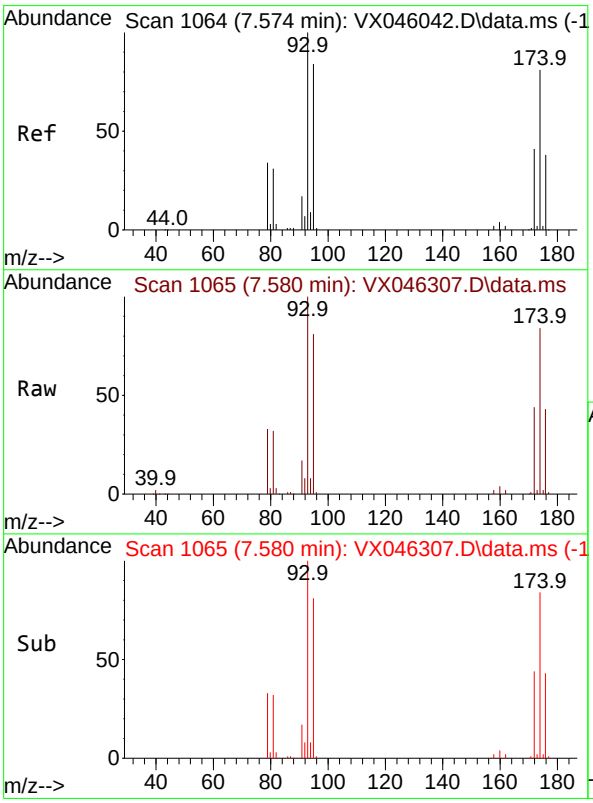
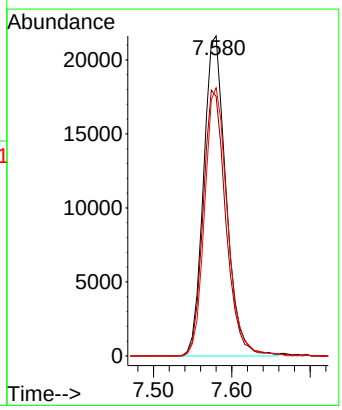


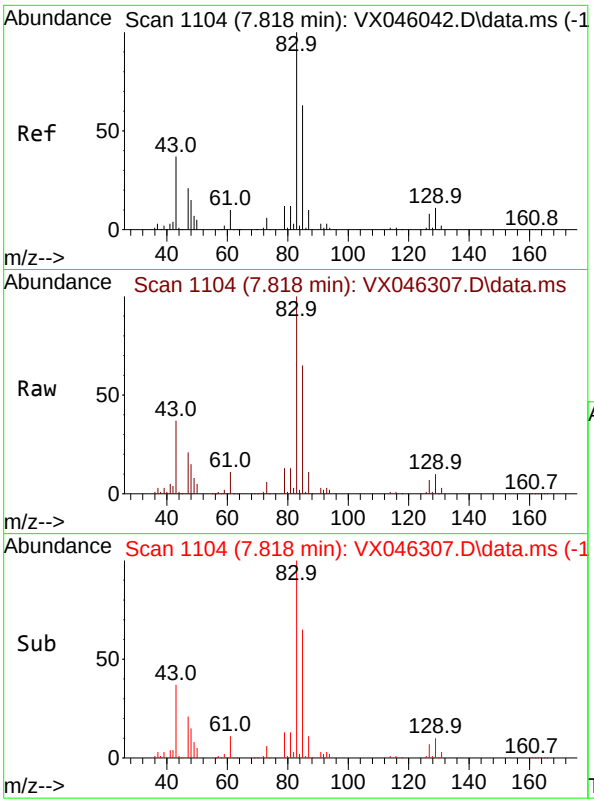


#46
Dibromomethane
Concen: 54.871 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 93 Resp: 43141

Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.6	98.4
174	84.9	68.2	102.2

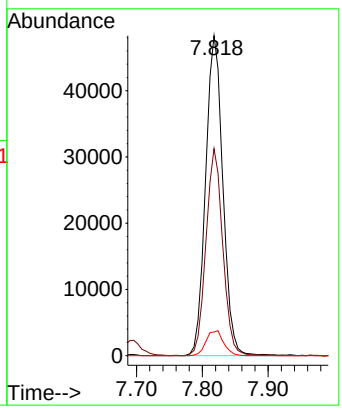




#47
Bromodichloromethane
Concen: 56.945 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 83 Resp: 8818

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.5	75.7
127	7.4	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
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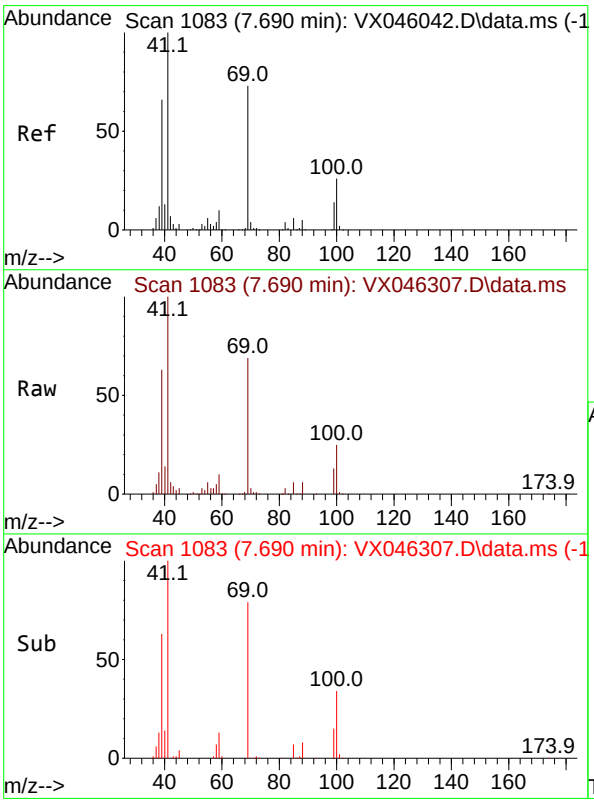
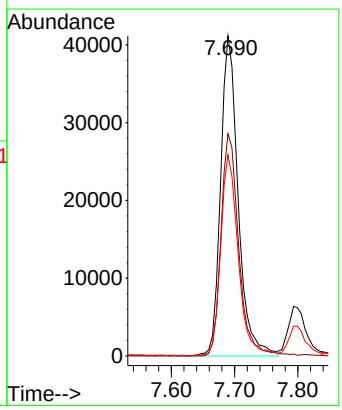
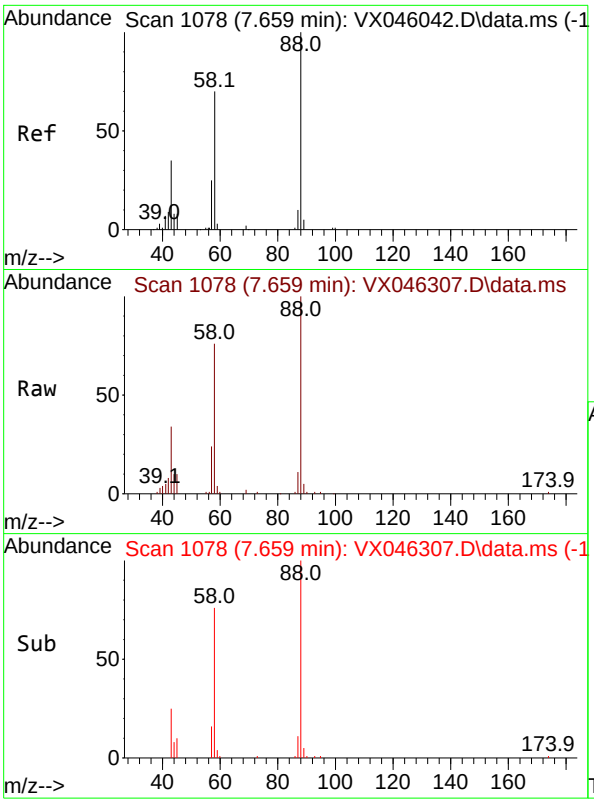


#48
Methyl methacrylate
Concen: 59.977 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 41 Resp: 79019

Ion	Ratio	Lower	Upper
41	100		
69	70.1	58.5	87.7
39	62.9	51.7	77.5





#49
1,4-Dioxane
Concen: 1263.501 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 88 Resp: 3160

Ion	Ratio	Lower	Upper
88	100		
43	41.6	33.4	50.2
58	73.9	58.6	88.0

Instrument :
MSVOA_X
ClientSampleId :
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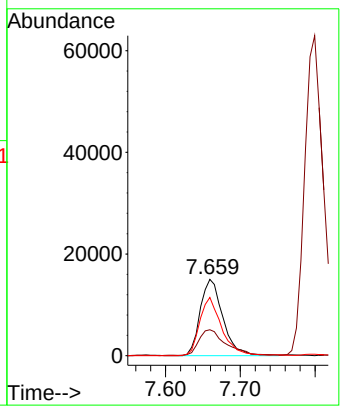
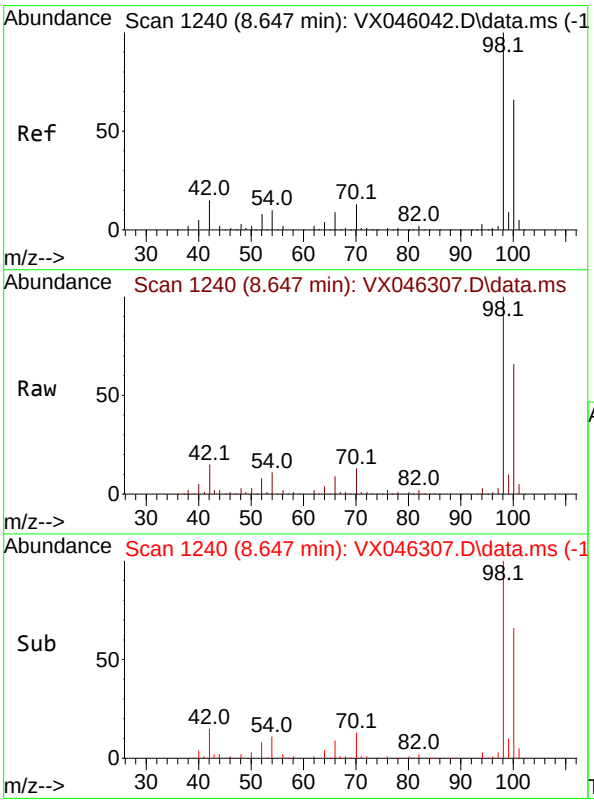
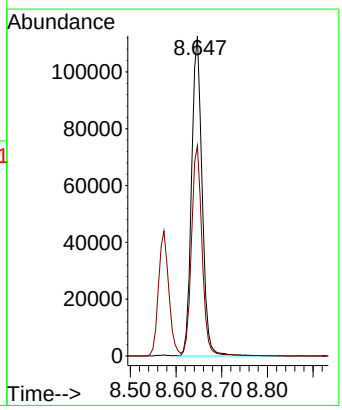


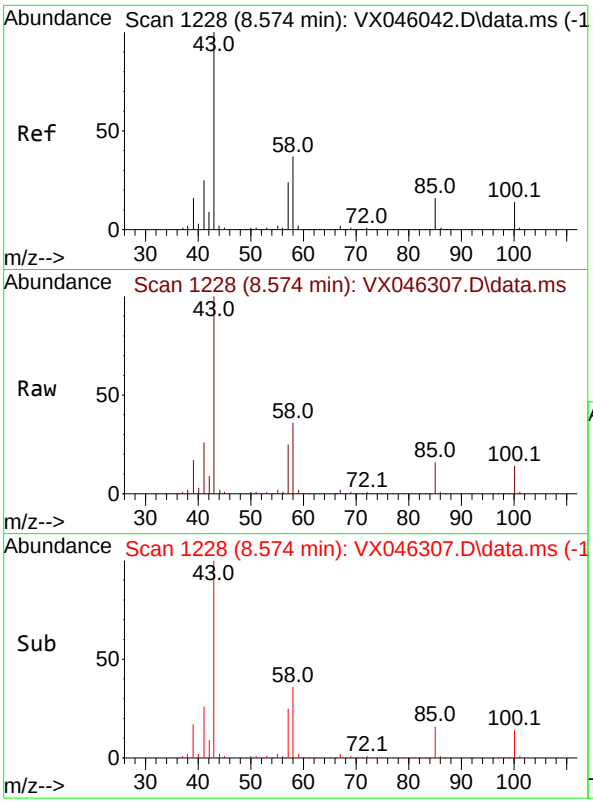


#50
Toluene-d8
Concen: 51.277 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 98 Resp: 180789

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.5	80.3

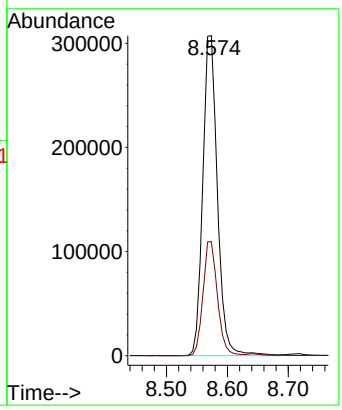




#51
4-Methyl-2-Pentanone
Concen: 300.280 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 43 Resp: 51419

Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
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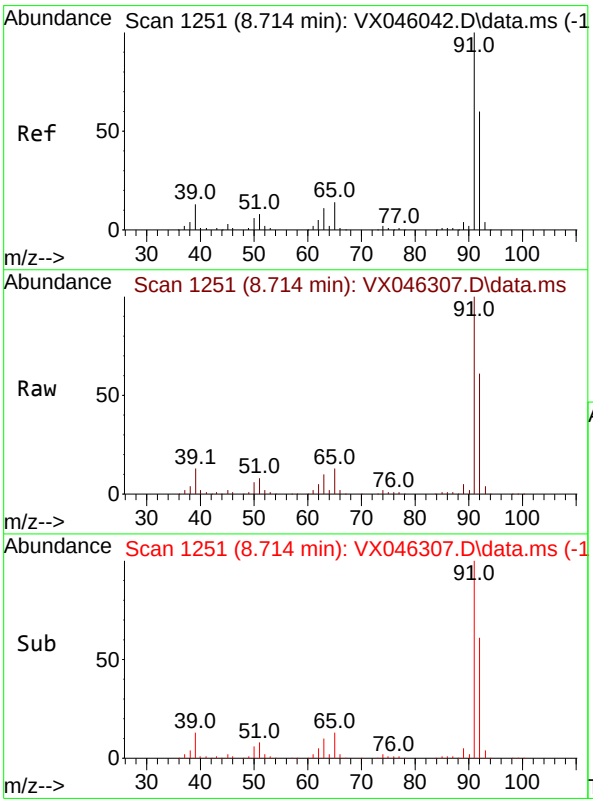
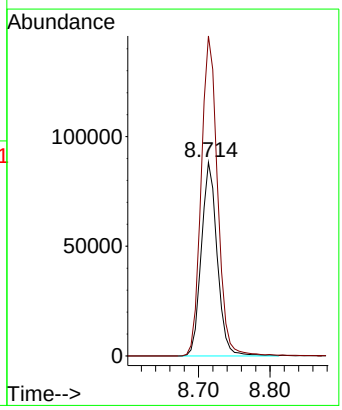
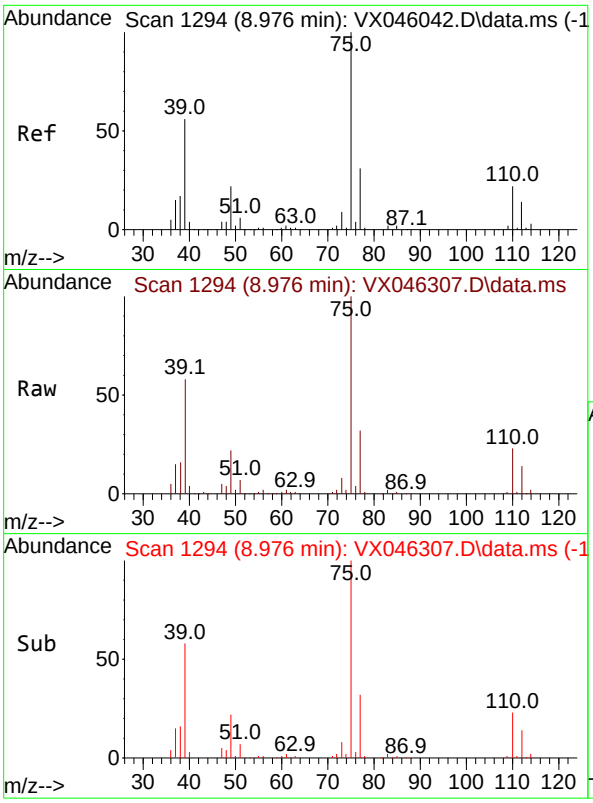


#52
Toluene
Concen: 55.389 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 92 Resp: 136159

Ion	Ratio	Lower	Upper
92	100		
91	171.1	136.6	205.0

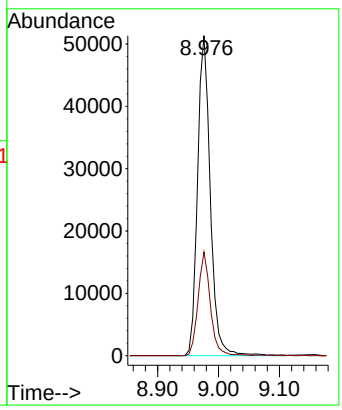




#53
t-1,3-Dichloropropene
Concen: 54.221 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 75 Resp: 7463

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

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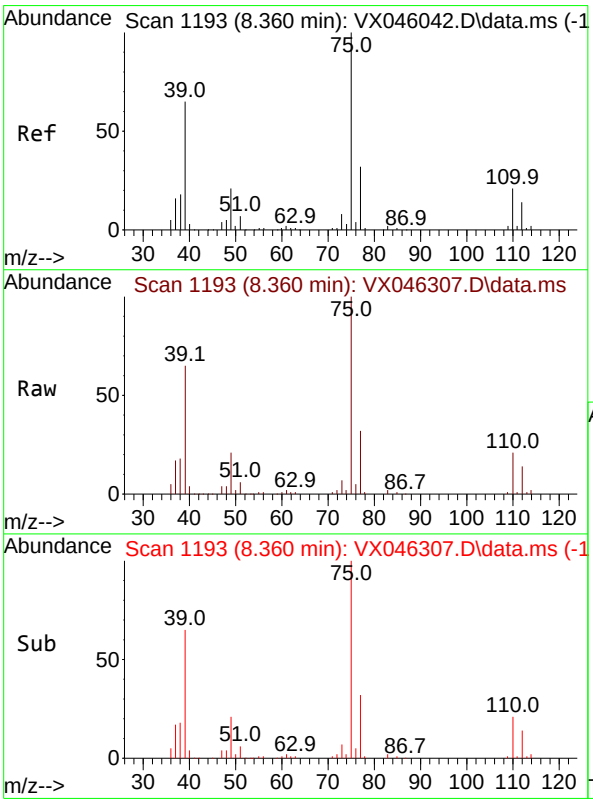
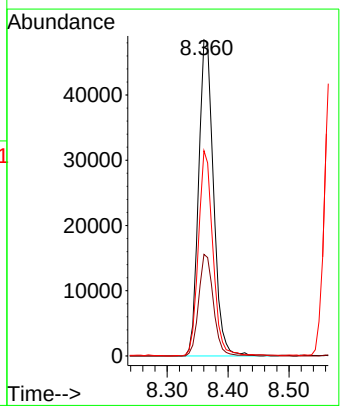
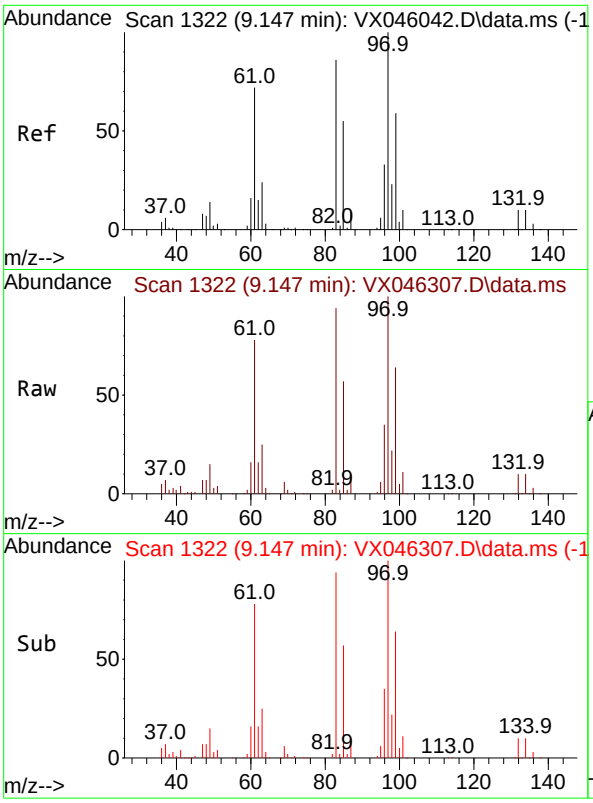


#54
cis-1,3-Dichloropropene
Concen: 54.392 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 75 Resp: 82745

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0
39	64.8	52.2	78.4

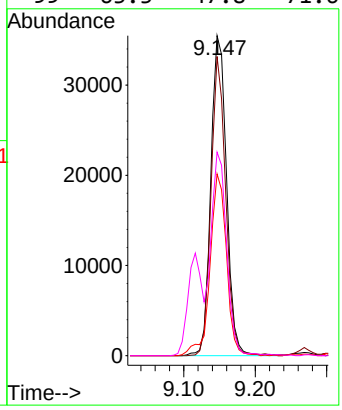




#55
1,1,2-Trichloroethane
Concen: 55.853 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 97 Resp: 5413

Ion	Ratio	Lower	Upper
97	100		
83	93.5	69.0	103.6
85	56.8	44.3	66.5
99	63.3	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
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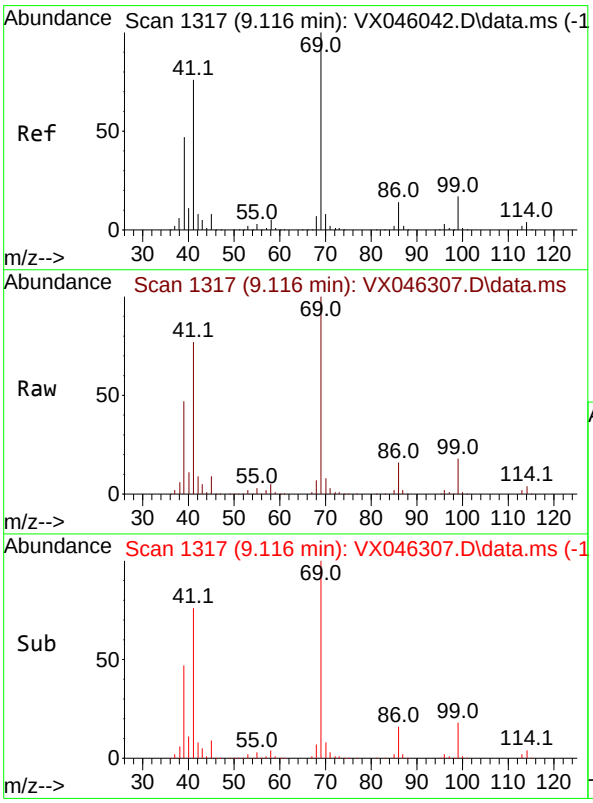
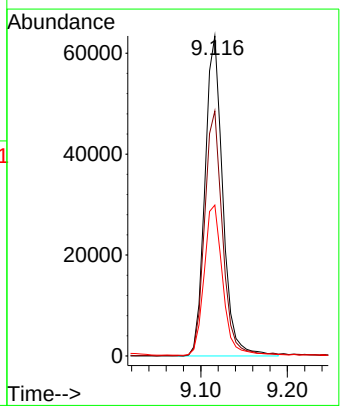
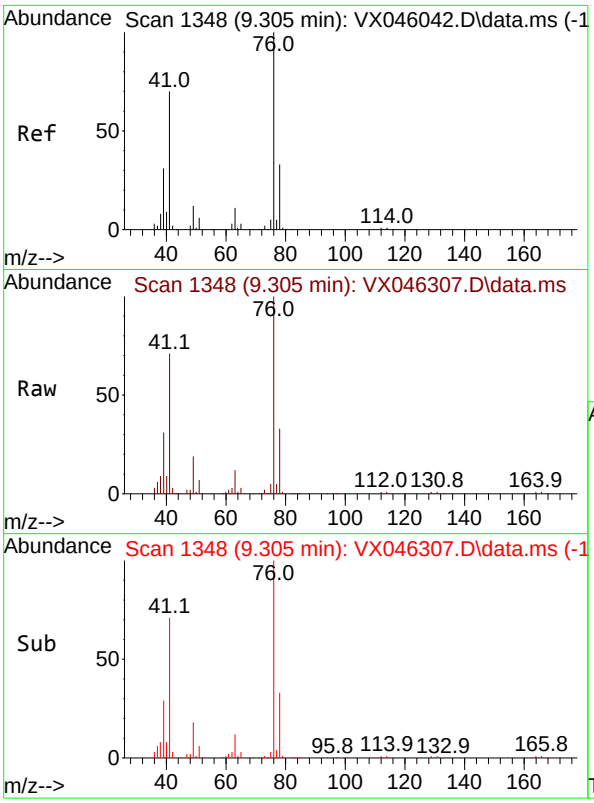


#56
Ethyl methacrylate
Concen: 58.651 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 69 Resp: 90607

Ion	Ratio	Lower	Upper
69	100		
41	78.2	60.8	91.2
39	49.0	39.0	58.6

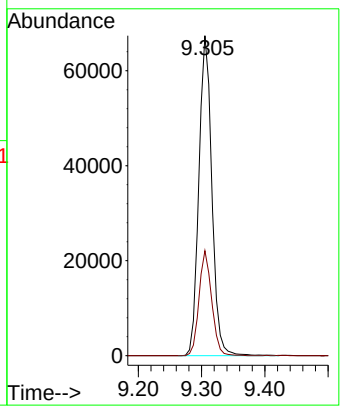




#57
1,3-Dichloropropane
Concen: 55.396 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 76 Resp: 9643

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

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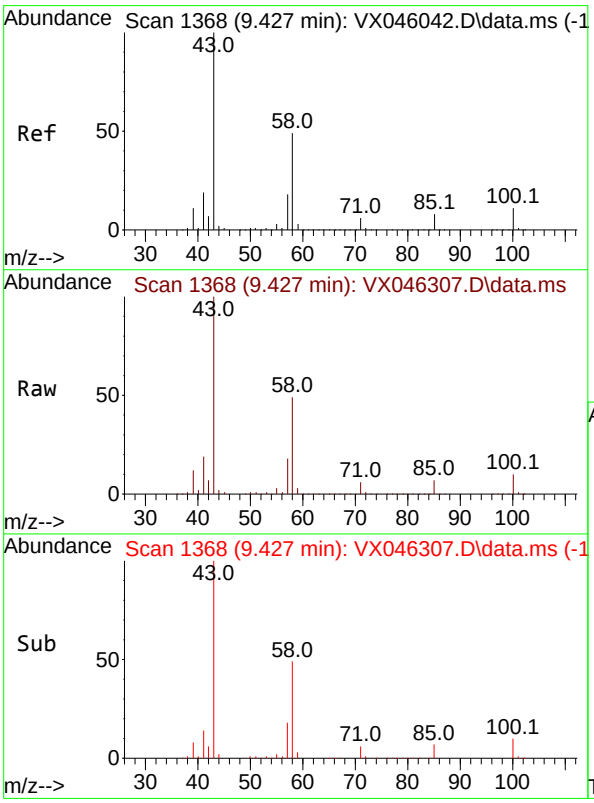
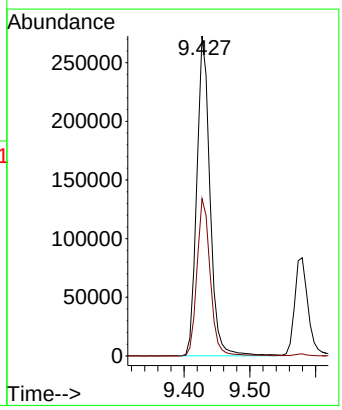
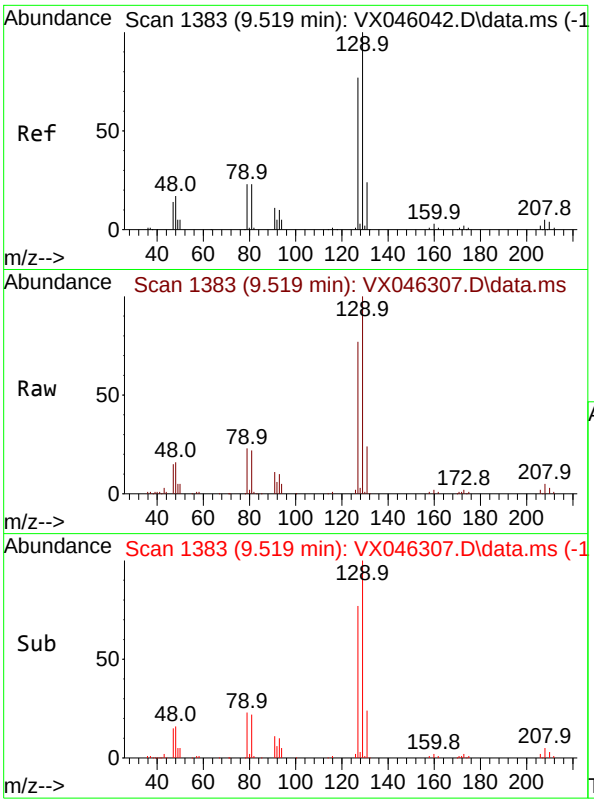


#59
2-Hexanone
Concen: 299.078 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 43 Resp: 378895

Ion	Ratio	Lower	Upper
43	100		
58	49.7	24.9	74.6

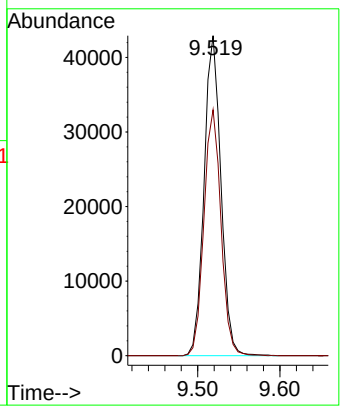




#60
Dibromochloromethane
Concen: 57.386 ug/l
RT: 9.519 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:129 Resp: 6108

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.3	117.8



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

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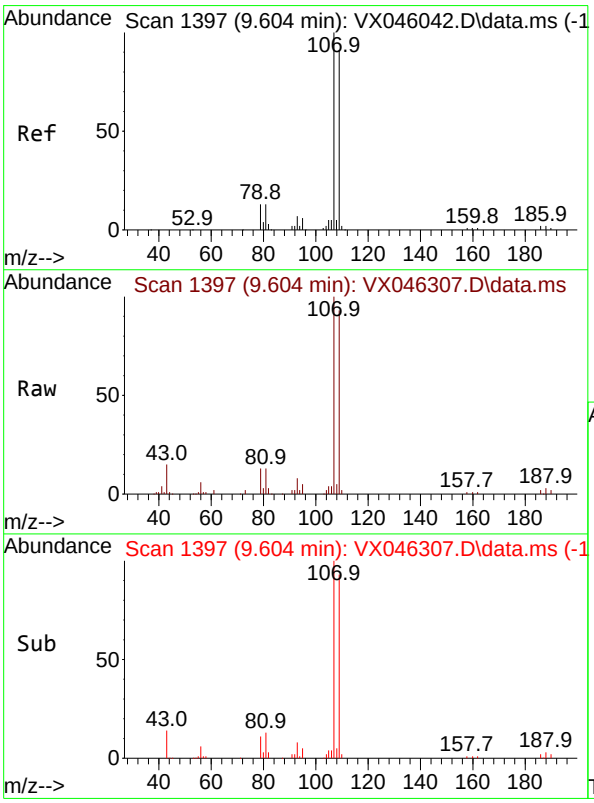
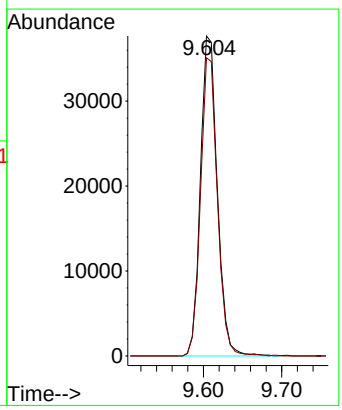
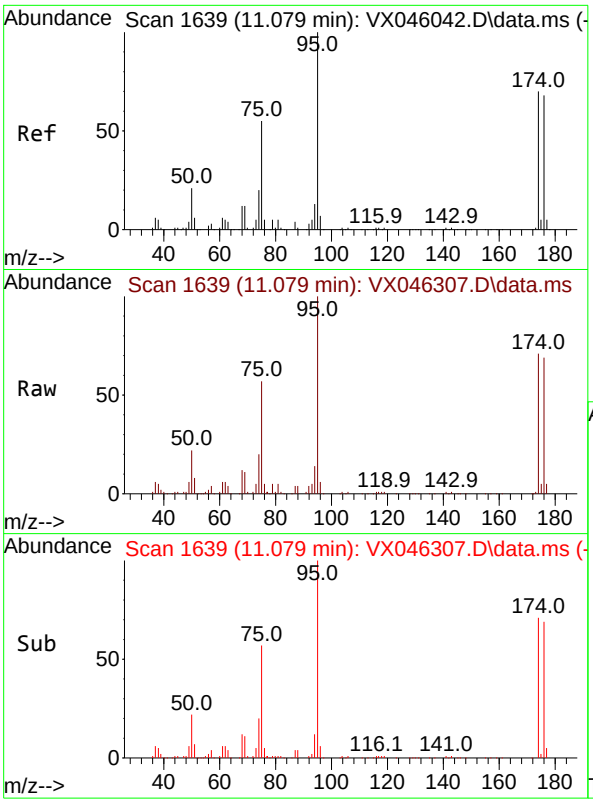


#61
1,2-Dibromoethane
Concen: 55.862 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:107 Resp: 56278

Ion	Ratio	Lower	Upper
107	100		
109	92.8	73.3	109.9

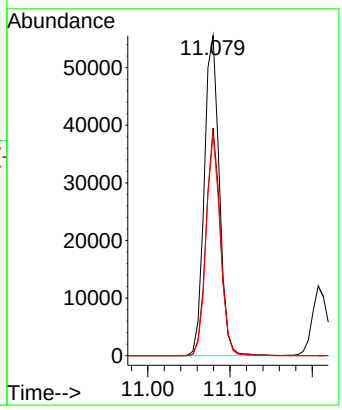




#62
4-Bromofluorobenzene
Concen: 52.140 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 95 Resp: 7051

Ion	Ratio	Lower	Upper
95	100		
174	67.6	0.0	135.8
176	65.1	0.0	131.4



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

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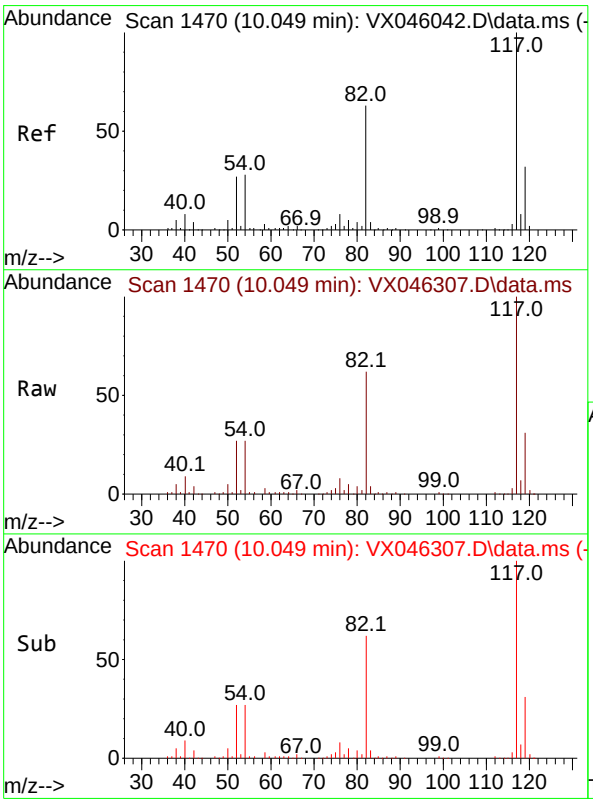
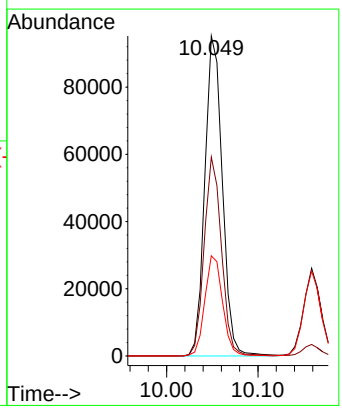
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

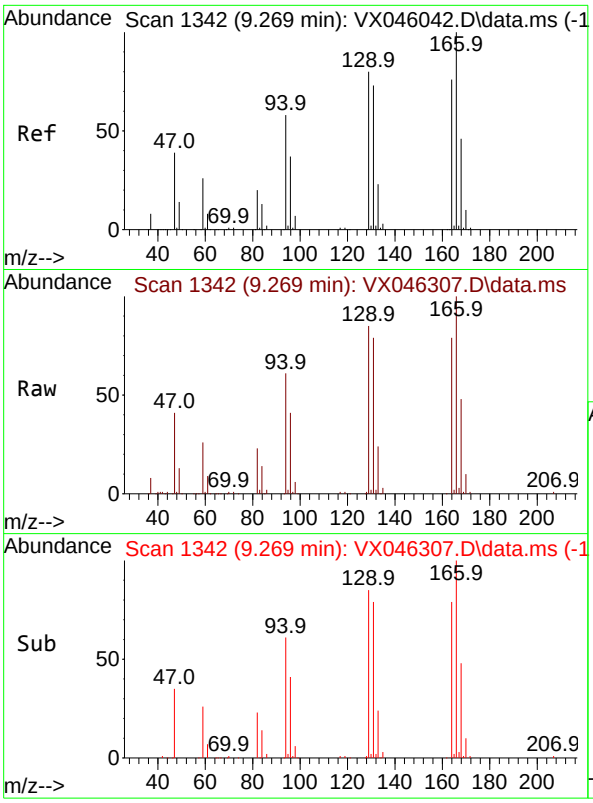


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:117 Resp: 126683

Ion	Ratio	Lower	Upper
117	100		
82	62.1	50.6	76.0
119	31.3	25.8	38.6

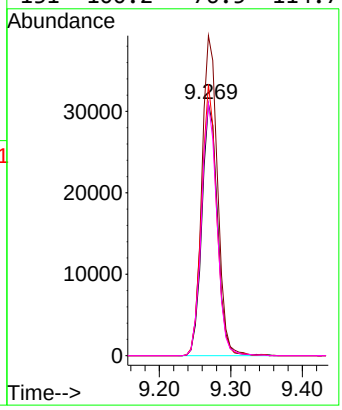




#64
Tetrachloroethene
Concen: 52.259 ug/l
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:164 Resp: 4684

Ion	Ratio	Lower	Upper
164	100		
166	127.0	105.0	157.6
129	107.7	83.5	125.3
131	100.2	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

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Reviewed By :John Carlone 05/22/2025
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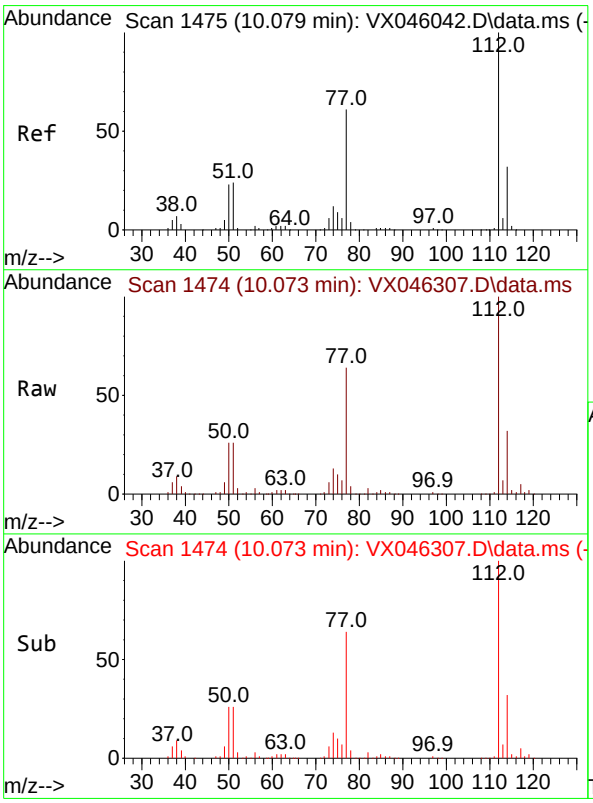
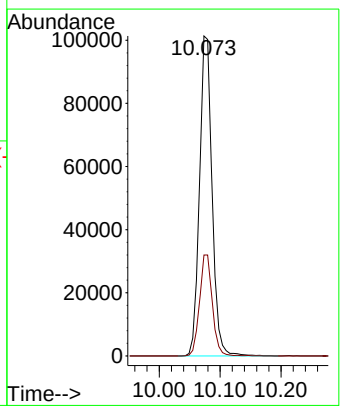
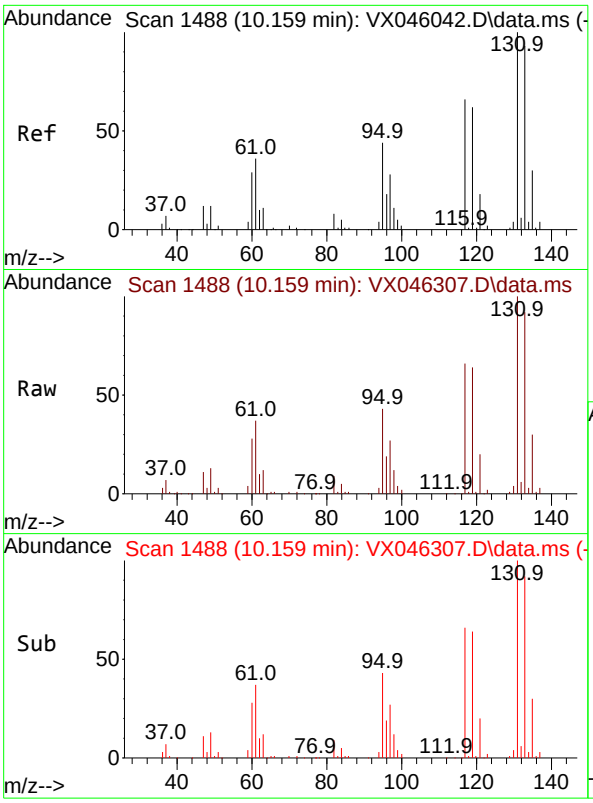


#65
Chlorobenzene
Concen: 52.474 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:112 Resp: 145499

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.4	38.2





#66
1,1,1,2-Tetrachloroethane
Concen: 53.606 ug/l
RT: 10.159 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:131 Resp: 5075

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.3	141.9
119	65.5	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

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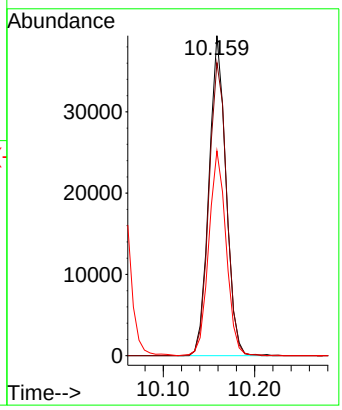
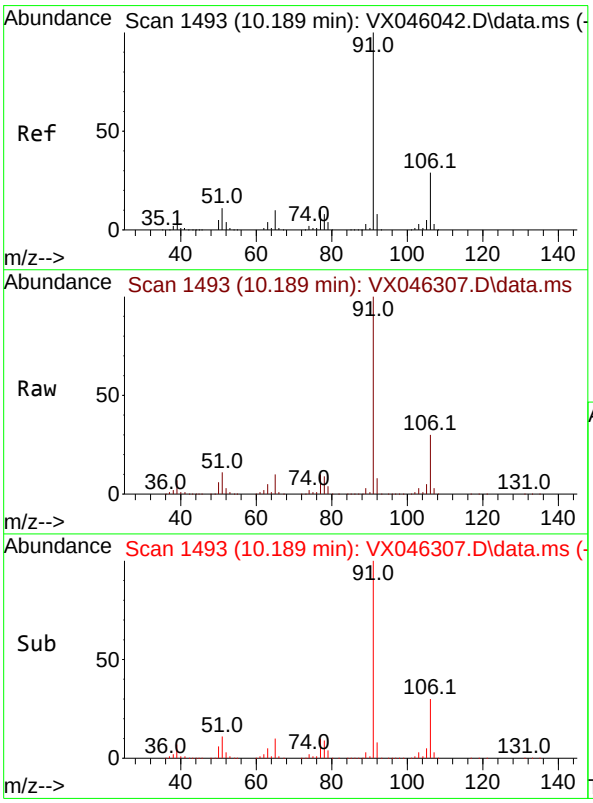
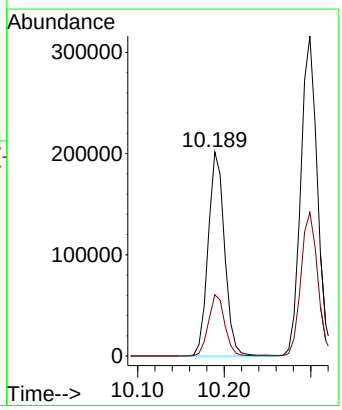


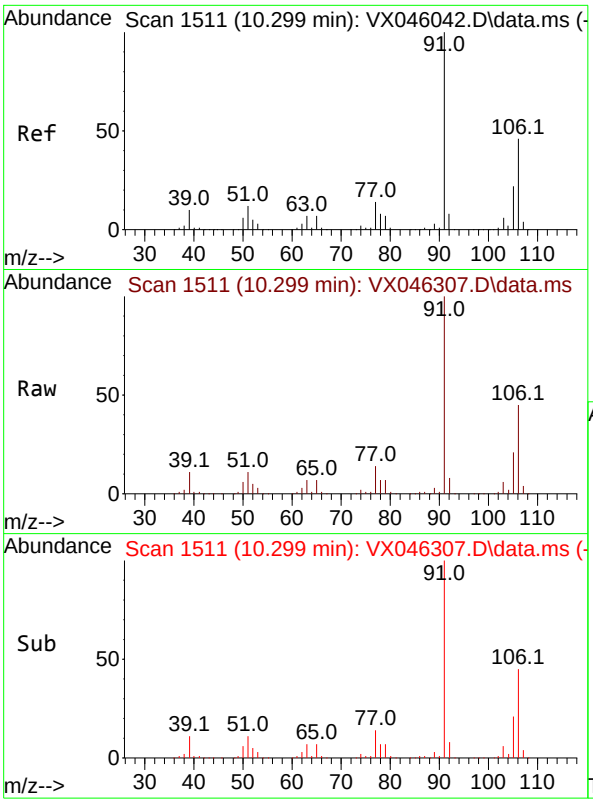


#67
Ethyl Benzene
Concen: 54.309 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 91 Resp: 265445

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.4	35.2

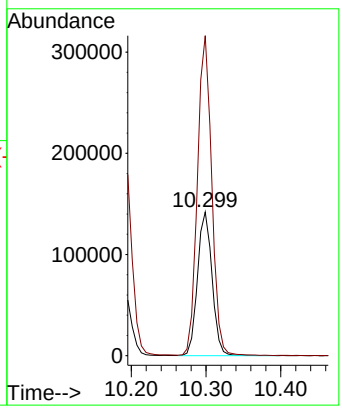




#68
m/p-Xylenes
Concen: 107.381 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:106 Resp: 19195

Ion	Ratio	Lower	Upper
106	100		
91	218.7	171.2	256.8



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

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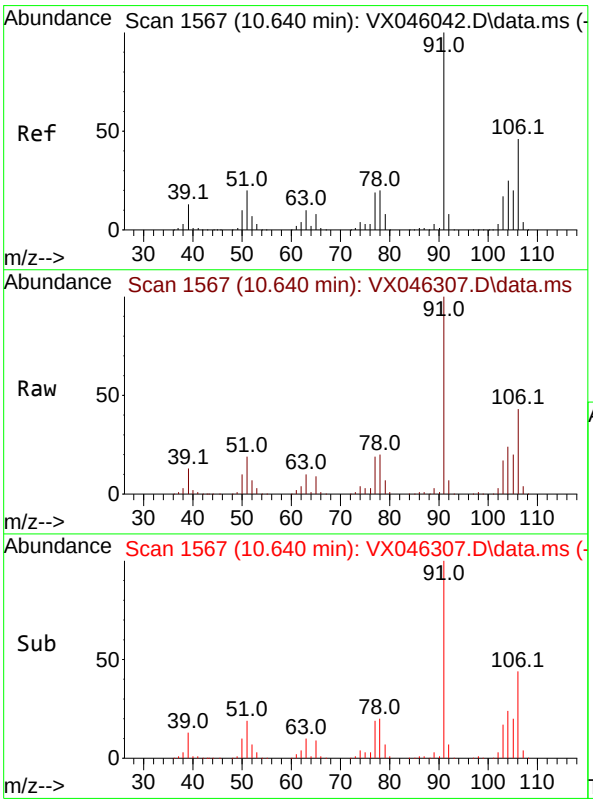
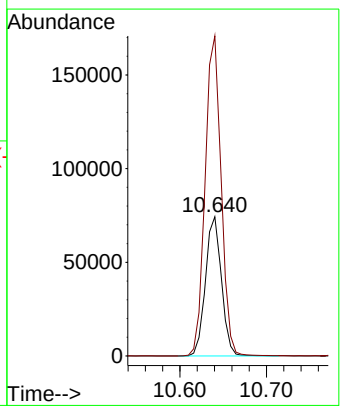
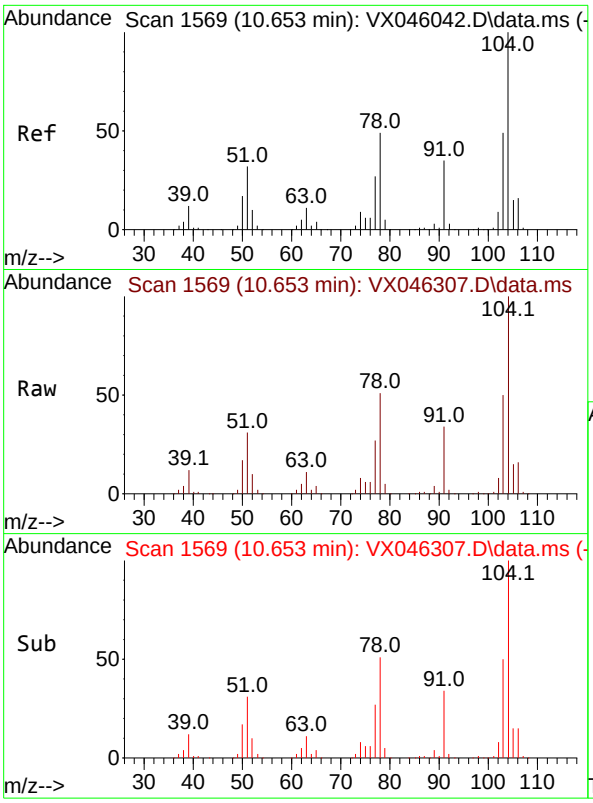


#69
o-Xylene
Concen: 54.671 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:106 Resp: 95278

Ion	Ratio	Lower	Upper
106	100		
91	231.0	112.7	338.1

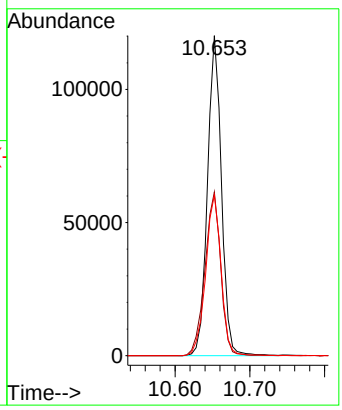




#70
Styrene
Concen: 54.610 ug/l
RT: 10.653 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:104 Resp: 15590

Ion	Ratio	Lower	Upper
104	100		
78	58.0	45.7	68.5
103	55.5	43.7	65.5



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

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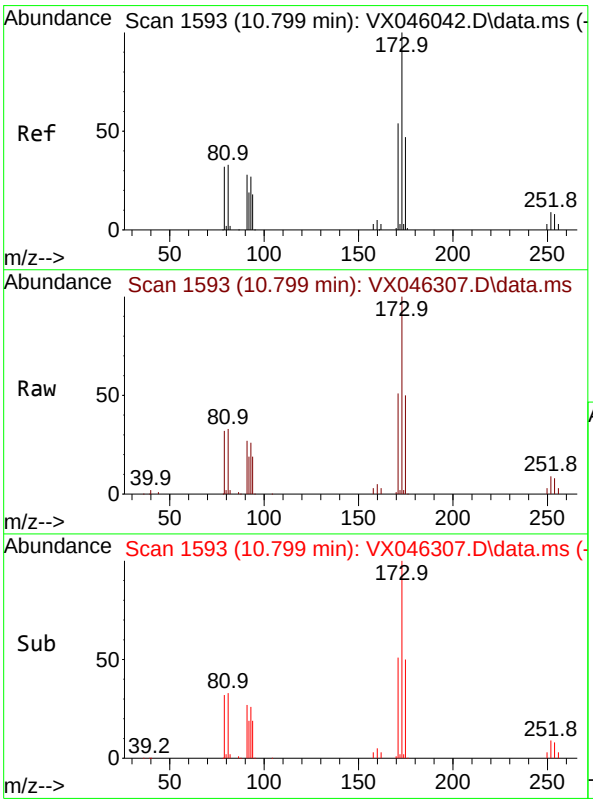
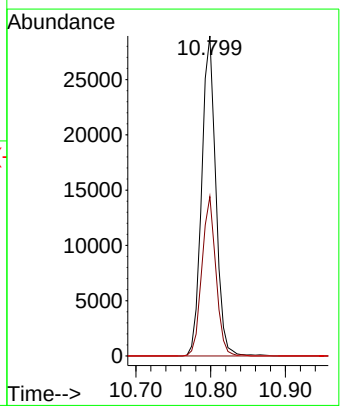
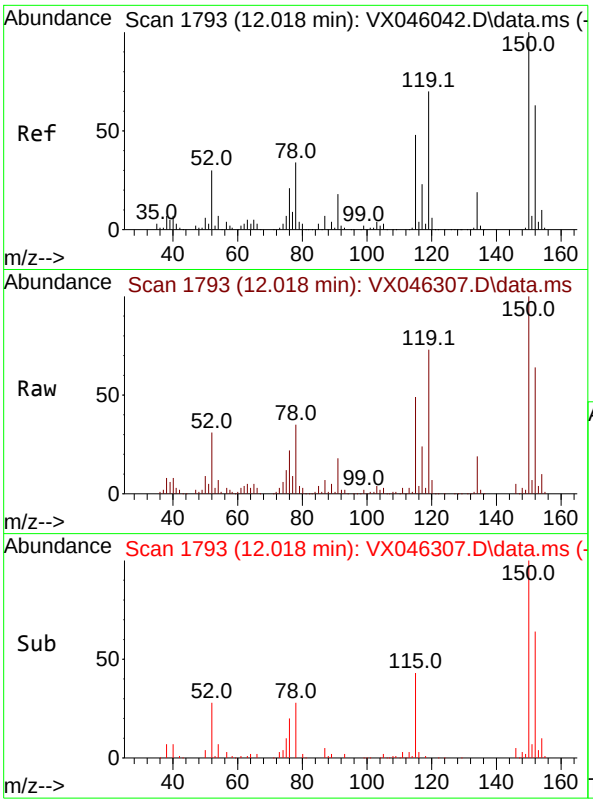


#71
Bromoform
Concen: 53.433 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:173 Resp: 37983

Ion	Ratio	Lower	Upper
173	100		
175	49.6	23.4	70.0
254	0.0	0.0	0.0

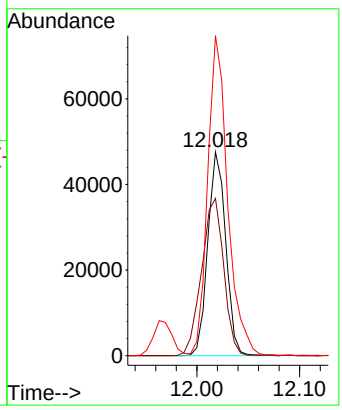




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:152 Resp: 5780

Ion	Ratio	Lower	Upper
152	100		
115	95.6	46.9	140.7
150	175.1	0.0	351.0



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

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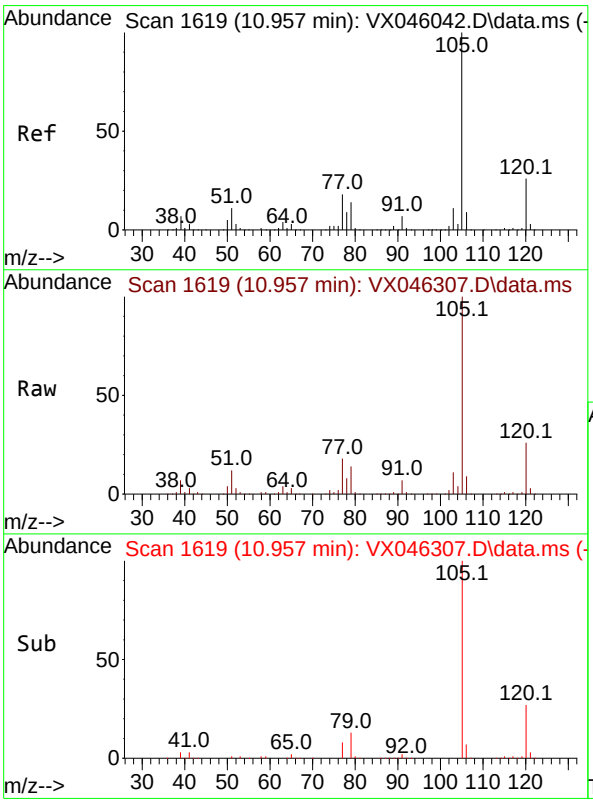
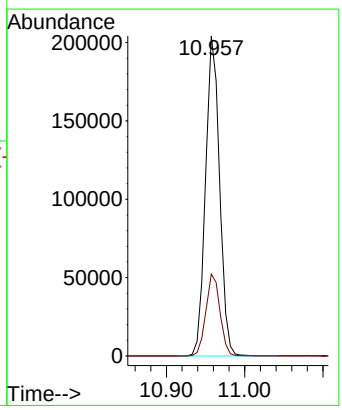
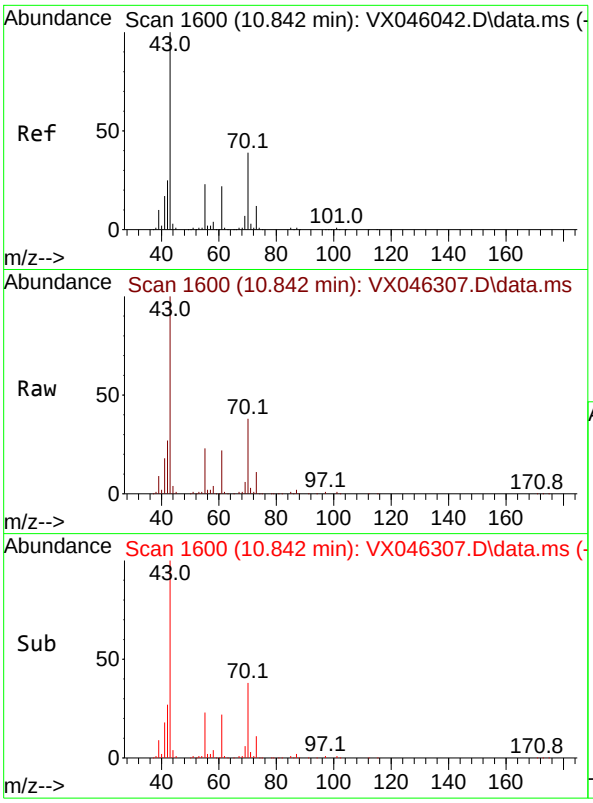


#73
Isopropylbenzene
Concen: 56.332 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:105 Resp: 253501

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4

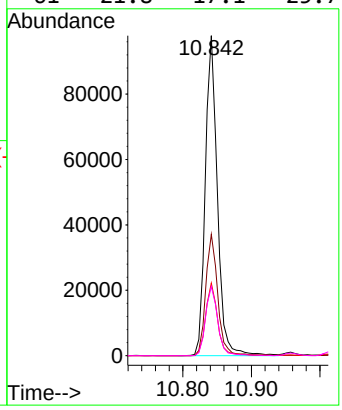




#74
N-amyl acetate
Concen: 54.008 ug/l
RT: 10.842 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 43 Resp: 12009

Ion	Ratio	Lower	Upper
43	100		
70	37.8	30.9	46.3
55	22.8	18.7	28.1
61	21.8	17.1	25.7



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

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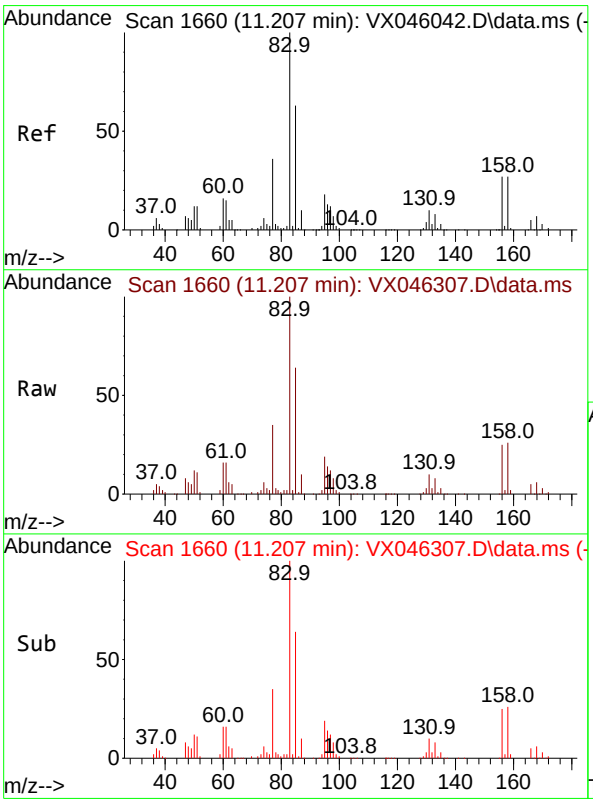
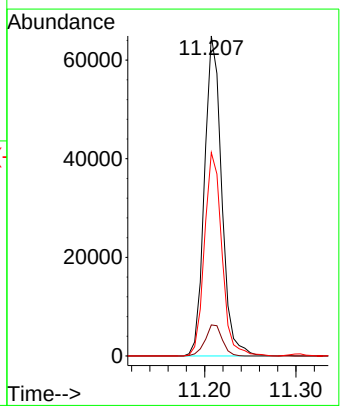
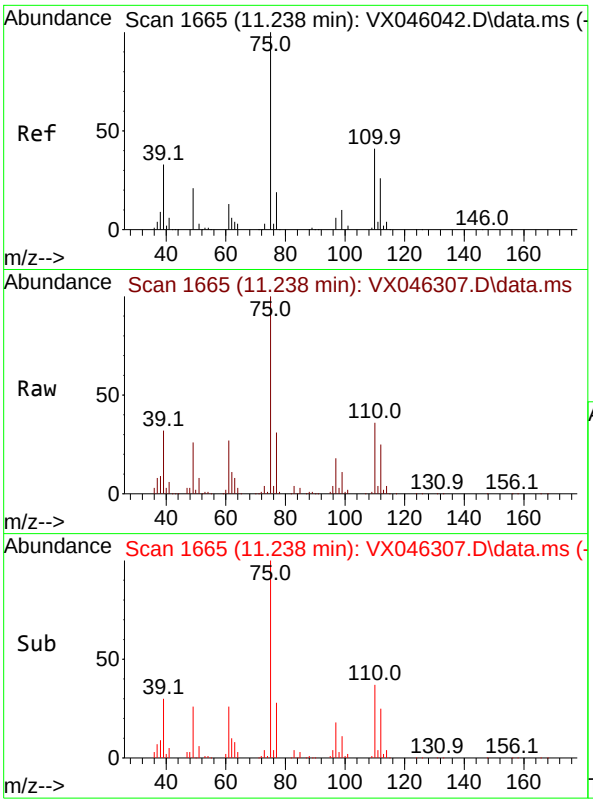


#75
1,1,2,2-Tetrachloroethane
Concen: 53.717 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 83 Resp: 84712

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.4	31.9	95.7





#76
1,2,3-Trichloropropane
Concen: 53.097 ug/l m
RT: 11.238 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 75 Resp: 7387

Ion	Ratio	Lower	Upper
75	100		
77	40.8	20.5	61.5

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

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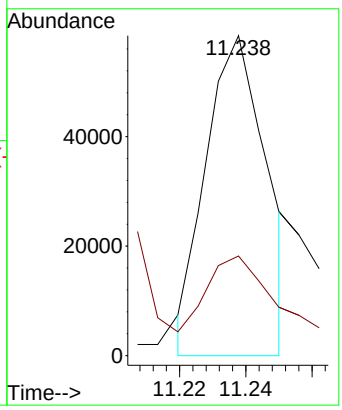
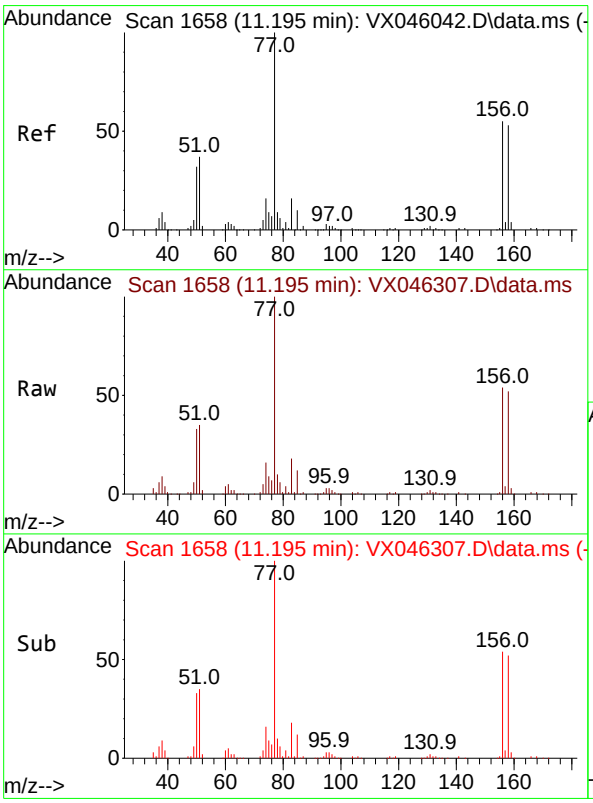
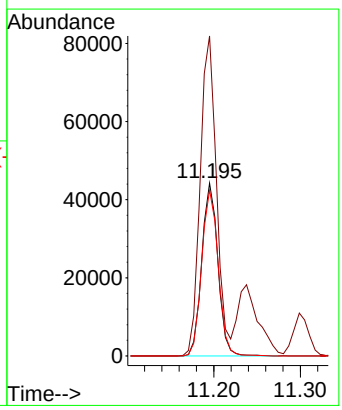


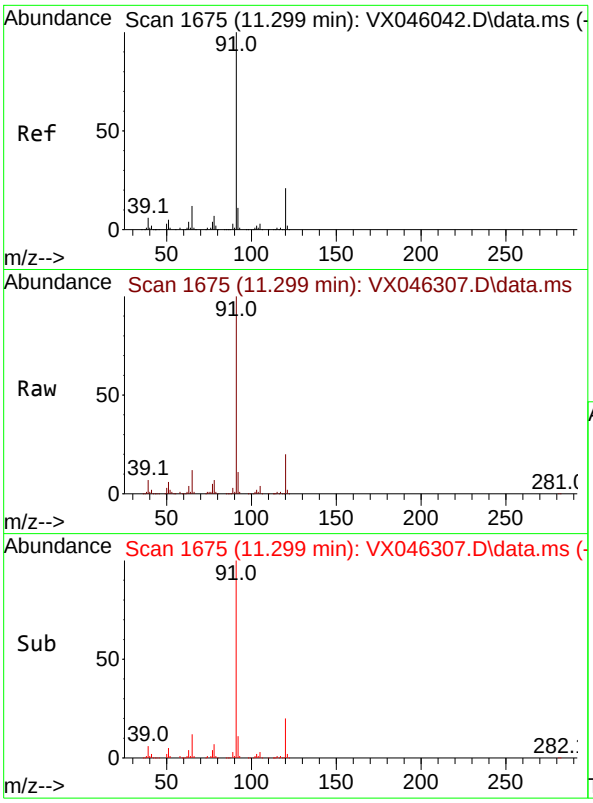


#77
Bromobenzene
Concen: 54.649 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:156 Resp: 57095

Ion	Ratio	Lower	Upper
156	100		
77	187.3	92.8	278.3
158	98.3	48.8	146.3





#78
n-propylbenzene
Concen: 56.708 ug/l
RT: 11.299 min Scan# 1(
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 91 Resp: 29672(

Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.8	32.4

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Manual Integrations
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Reviewed By :John Carlone 05/22/2025
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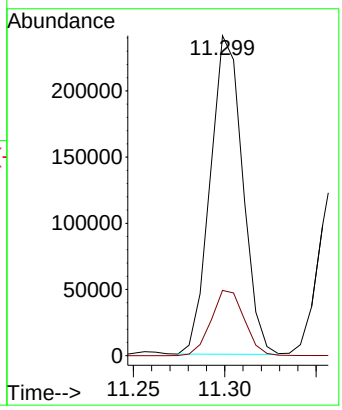
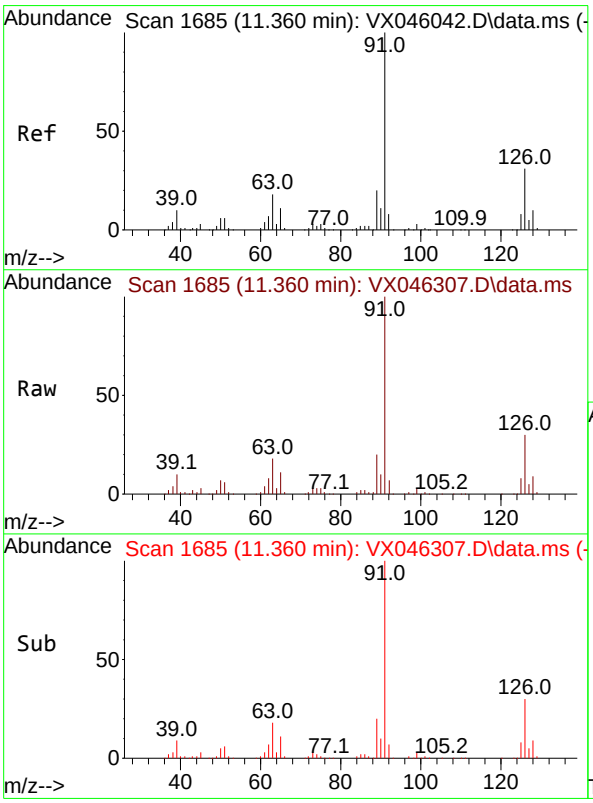
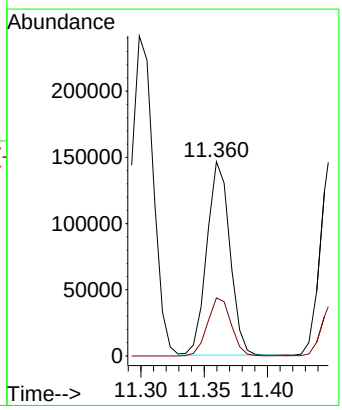


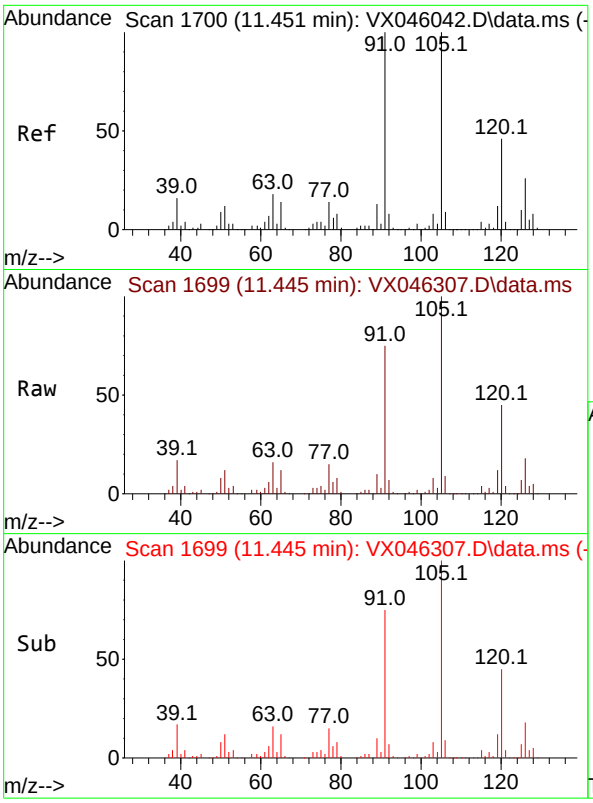


#79
2-Chlorotoluene
Concen: 54.971 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 91 Resp: 185527

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.7

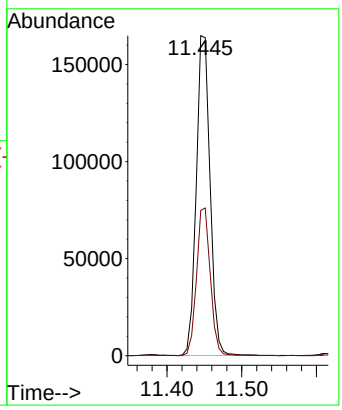




#80
1,3,5-Trimethylbenzene
Concen: 56.283 ug/l
RT: 11.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:105 Resp: 21160

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Manual Integrations
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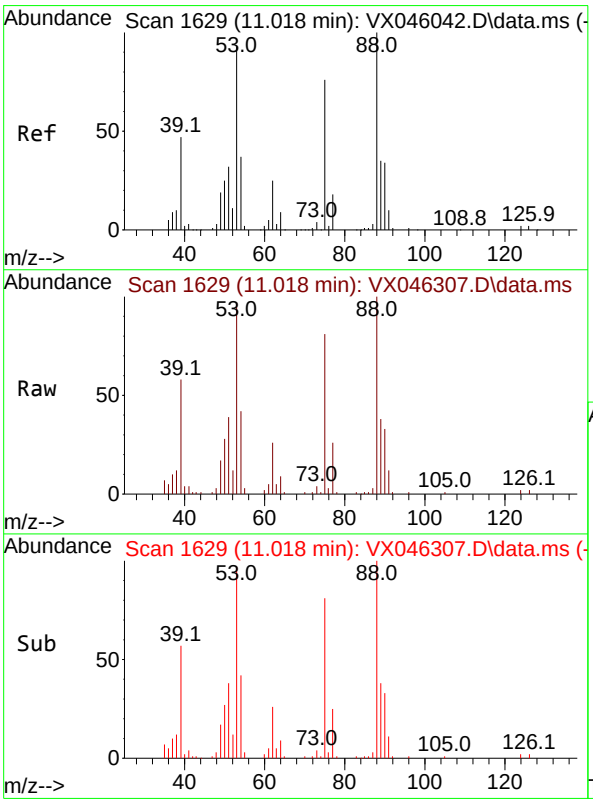
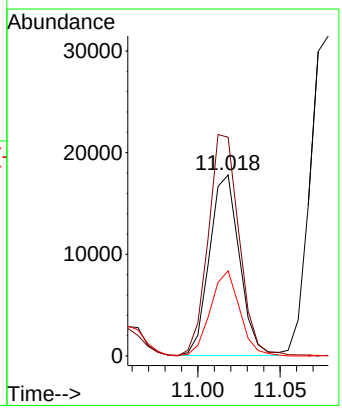
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

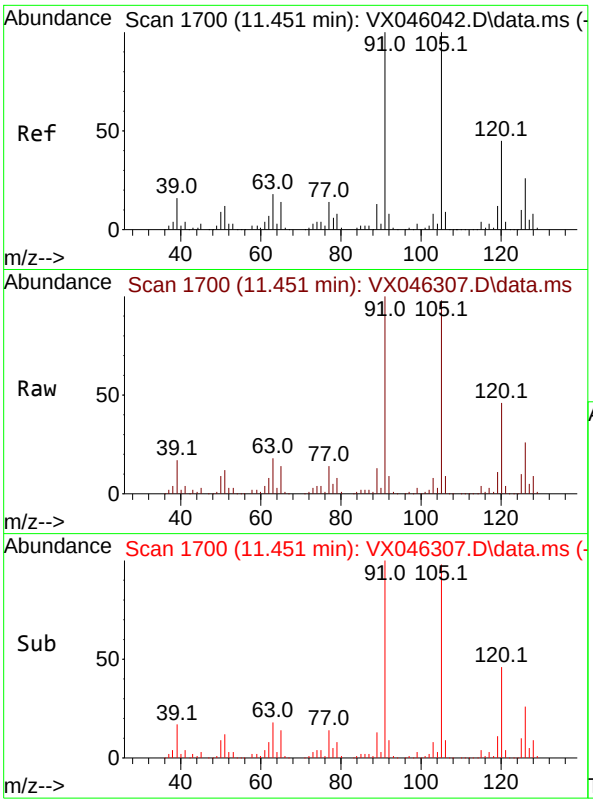


#81
trans-1,4-Dichloro-2-butene
Concen: 52.775 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 75 Resp: 22554

Ion	Ratio	Lower	Upper
75	100		
53	126.5	100.5	150.7
89	46.0	37.0	55.6

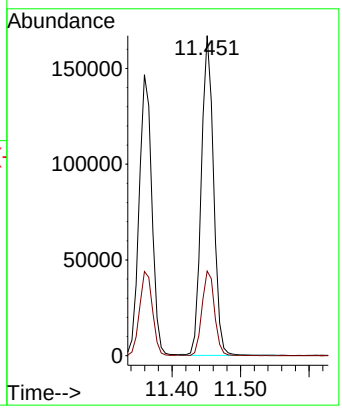




#82
4-Chlorotoluene
Concen: 55.636 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 91 Resp: 20823

Ion	Ratio	Lower	Upper
91	100		
126	27.2	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

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Reviewed By :John Carlone 05/22/2025
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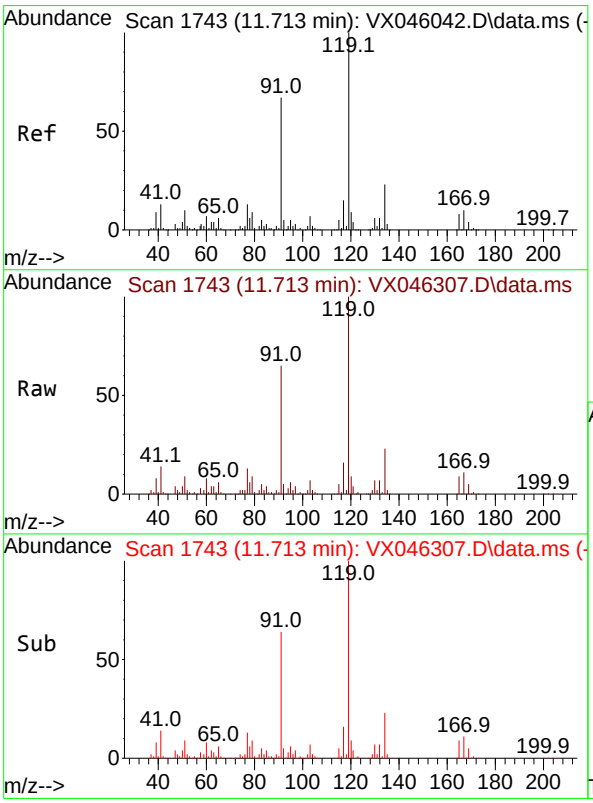
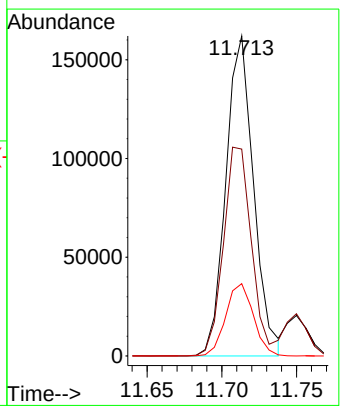
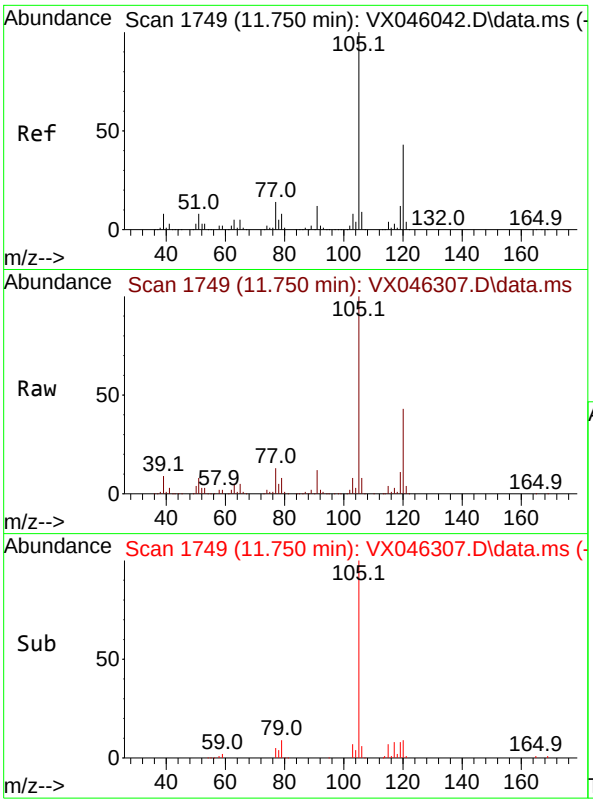


#83
tert-Butylbenzene
Concen: 55.173 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:119 Resp: 208936

Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.9	98.7
134	22.6	11.4	34.1





#84
1,2,4-Trimethylbenzene
Concen: 55.669 ug/l
RT: 11.750 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

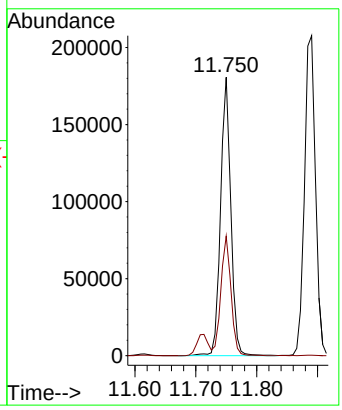
Tgt Ion:105 Resp: 21194

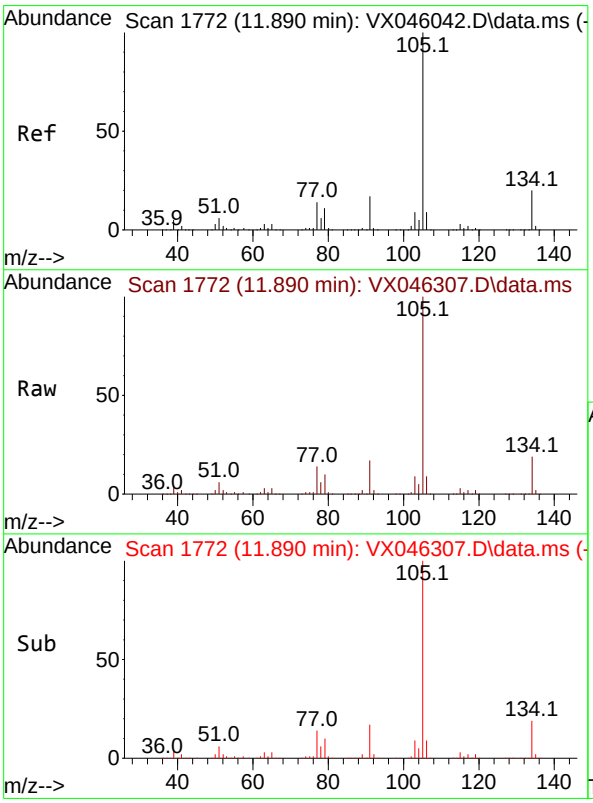
Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.2	63.6

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

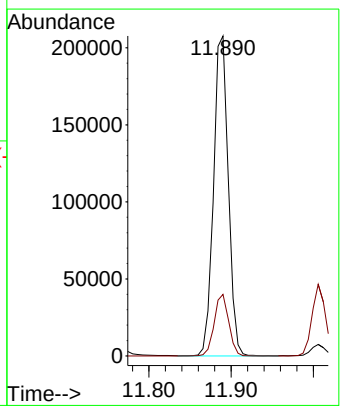


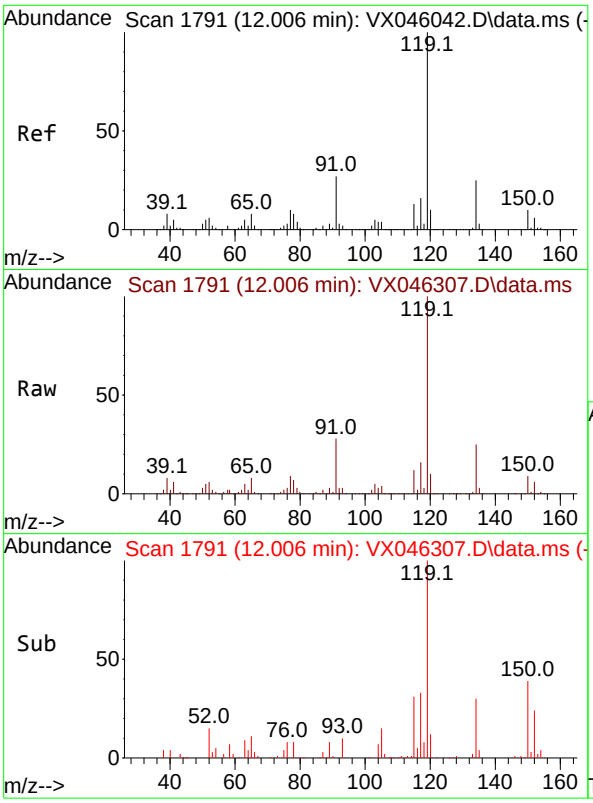


#85
sec-Butylbenzene
Concen: 55.783 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:105 Resp: 259376

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	29.1

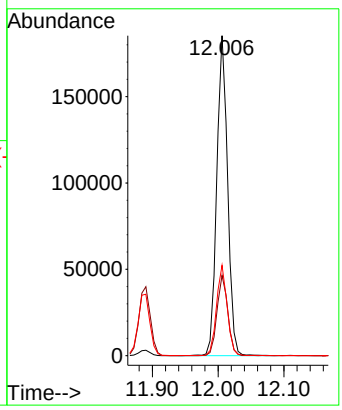




#86
p-Isopropyltoluene
Concen: 55.338 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:119 Resp: 21238

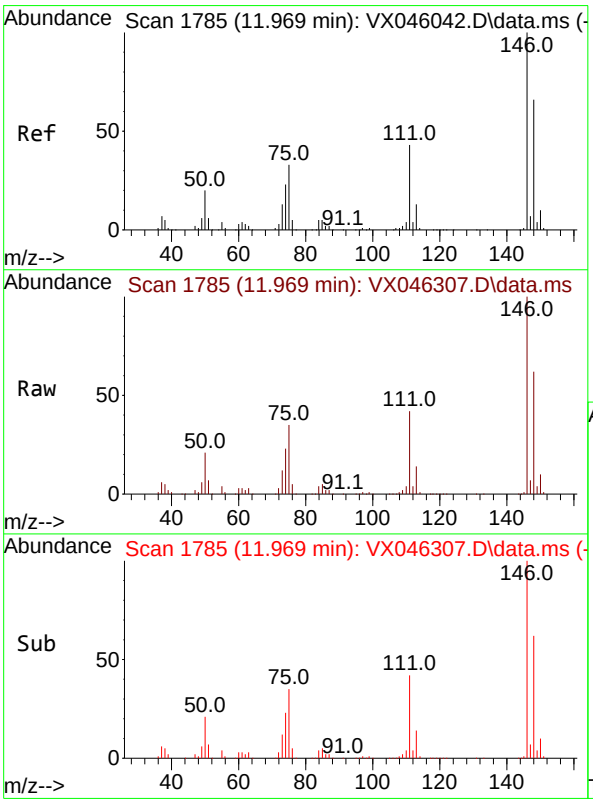
Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	27.6	13.8	41.4



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Manual Integrations
APPROVED

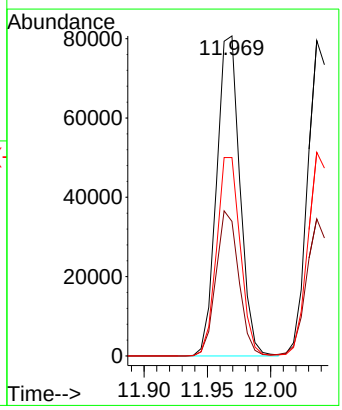
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

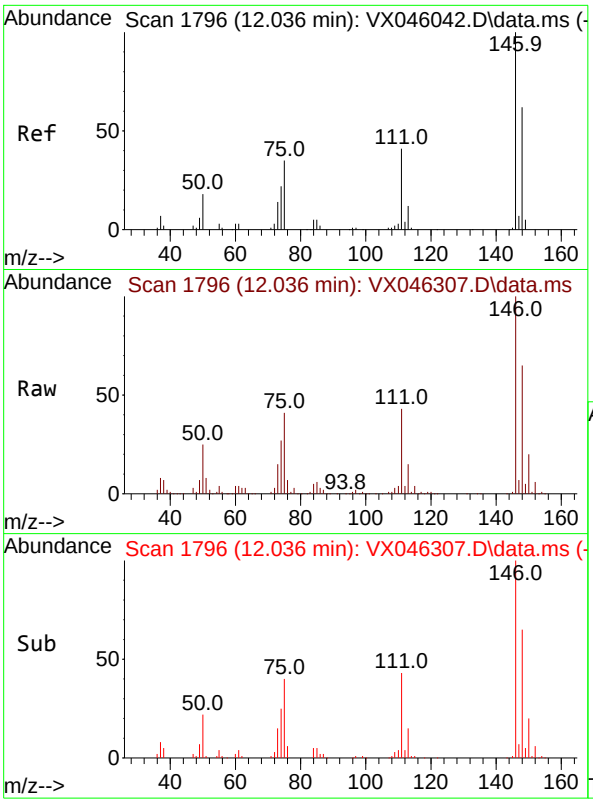


#87
1,3-Dichlorobenzene
Concen: 54.123 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:146 Resp: 103199

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.1	66.3
148	62.9	32.1	96.5

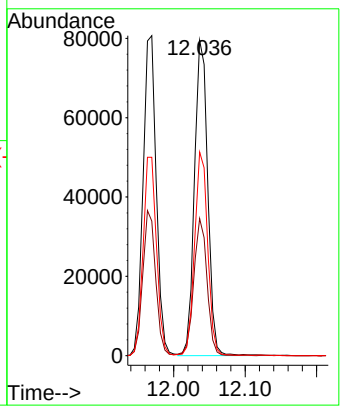




#88
1,4-Dichlorobenzene
Concen: 52.526 ug/l
RT: 12.036 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:146 Resp: 10228

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.3	63.9
148	63.6	31.9	95.5



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Manual Integrations
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Reviewed By :John Carlone 05/22/2025
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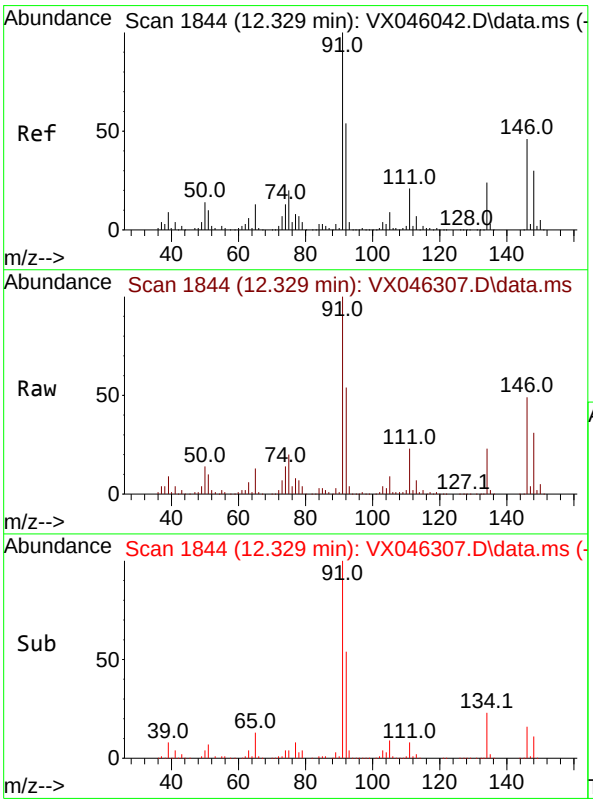
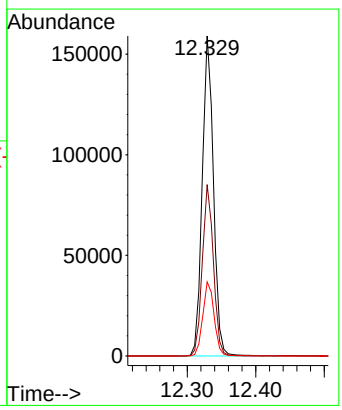
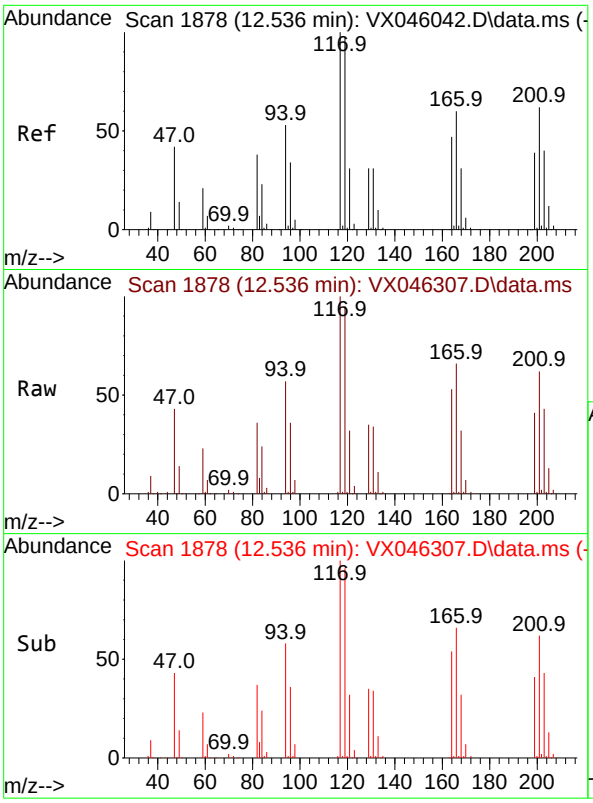


#89
n-Butylbenzene
Concen: 53.820 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 91 Resp: 181190

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.9	80.7
134	23.4	11.8	35.3

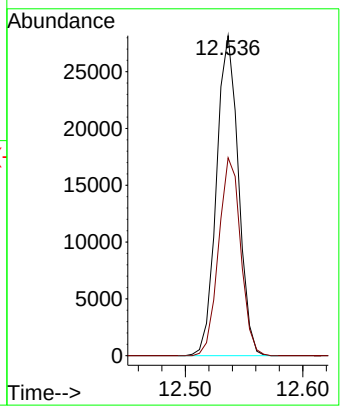




#90
Hexachloroethane
Concen: 54.032 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:117 Resp: 3653

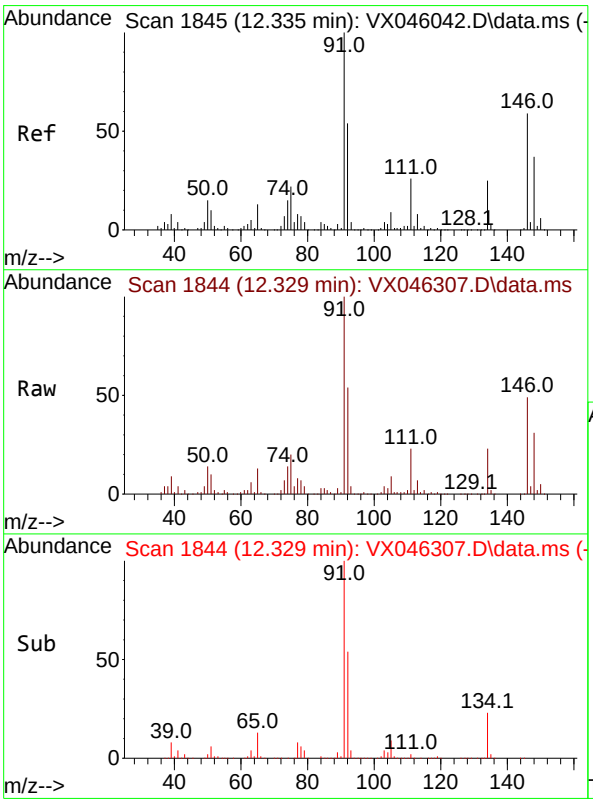
Ion	Ratio	Lower	Upper
117	100		
201	62.3	31.6	94.7



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Manual Integrations
APPROVED

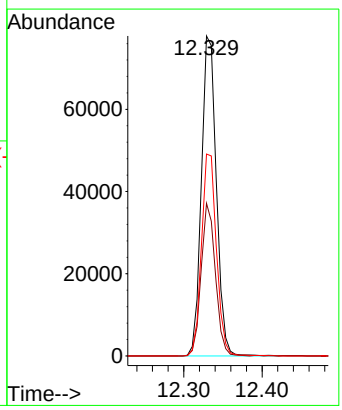
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

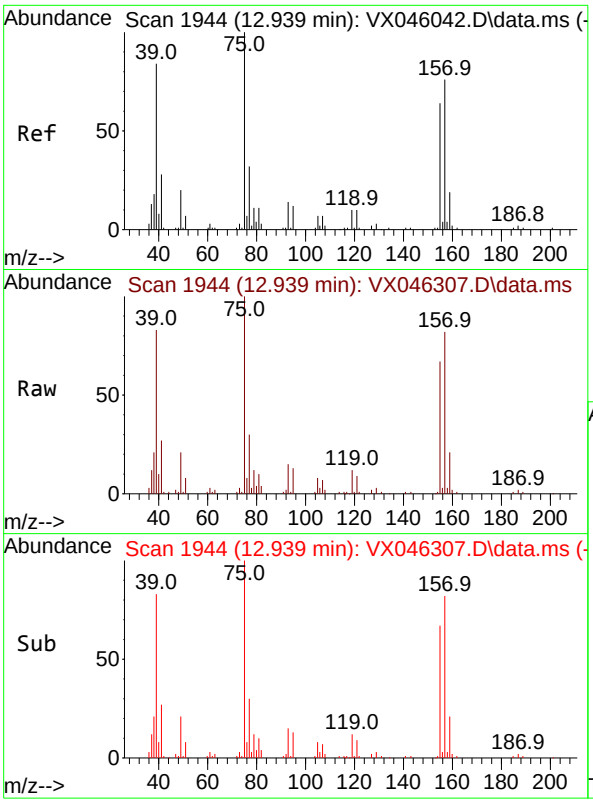


#91
1,2-Dichlorobenzene
Concen: 53.854 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:146 Resp: 103043

Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.4	67.3
148	63.4	31.6	94.8





#92
1,2-Dibromo-3-Chloropropane
Concen: 57.053 ug/l
RT: 12.939 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 75 Resp: 1993

Ion	Ratio	Lower	Upper
75	100		
155	69.4	34.9	104.8
157	88.3	43.8	131.4

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Manual Integrations
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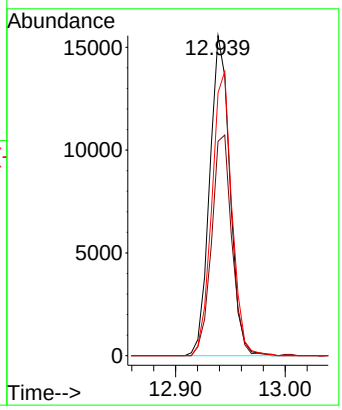
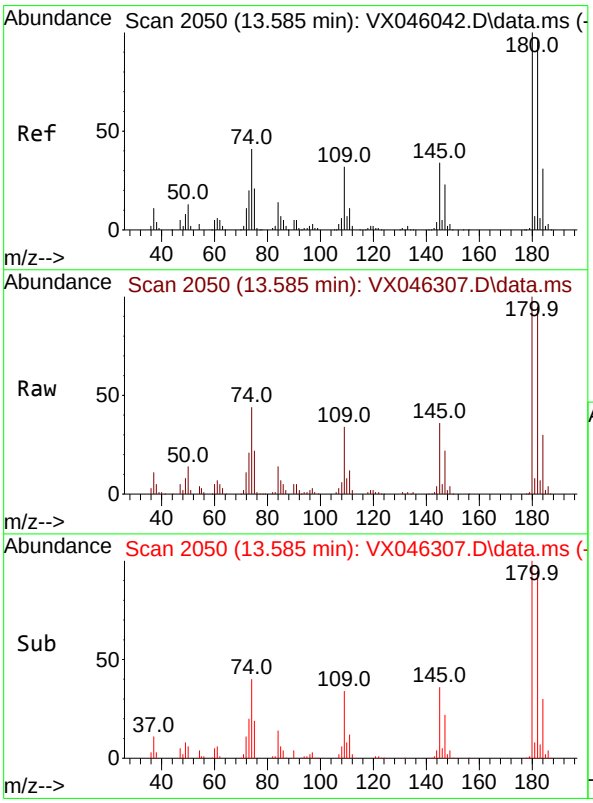
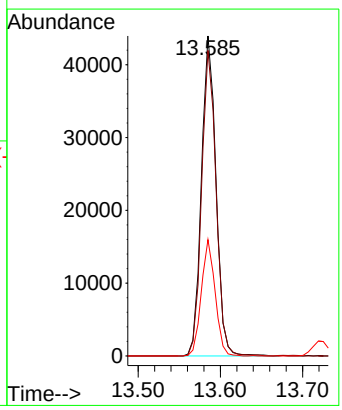


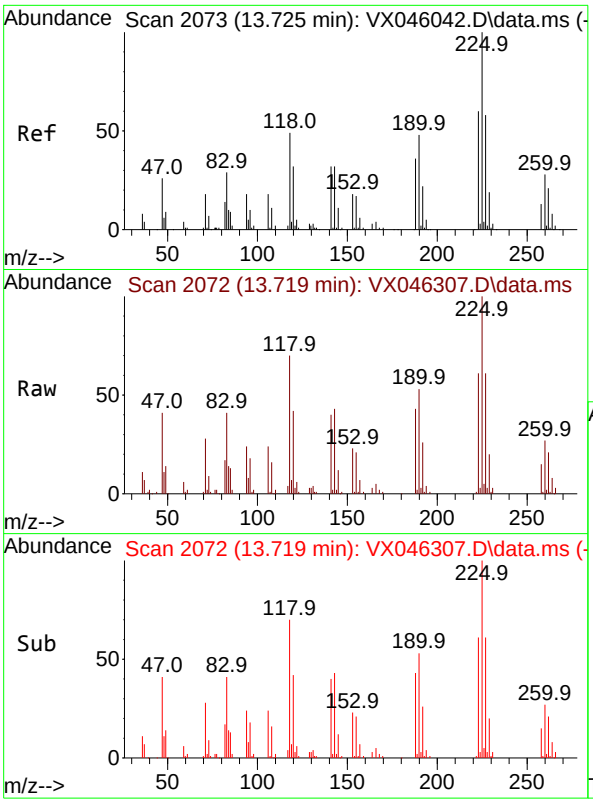


#93
1,2,4-Trichlorobenzene
Concen: 49.144 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:180 Resp: 54008

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.8
145	34.5	17.1	51.2

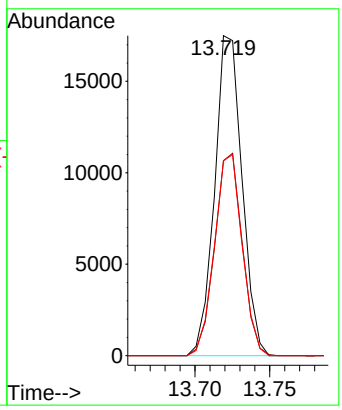




#94
Hexachlorobutadiene
Concen: 46.451 ug/l
RT: 13.719 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:225 Resp: 2229

Ion	Ratio	Lower	Upper
225	100		
223	63.6	30.8	92.4
227	63.4	30.9	92.7



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

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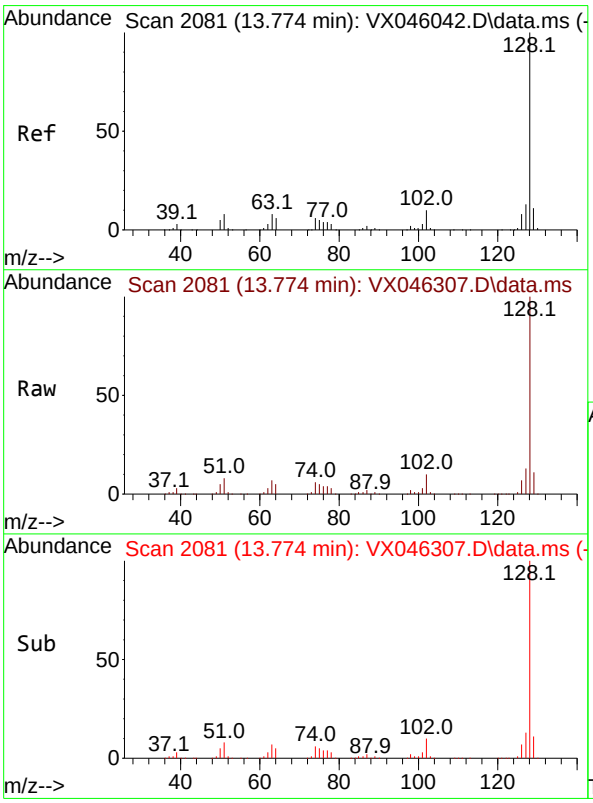
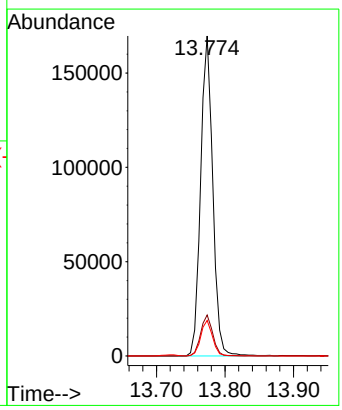
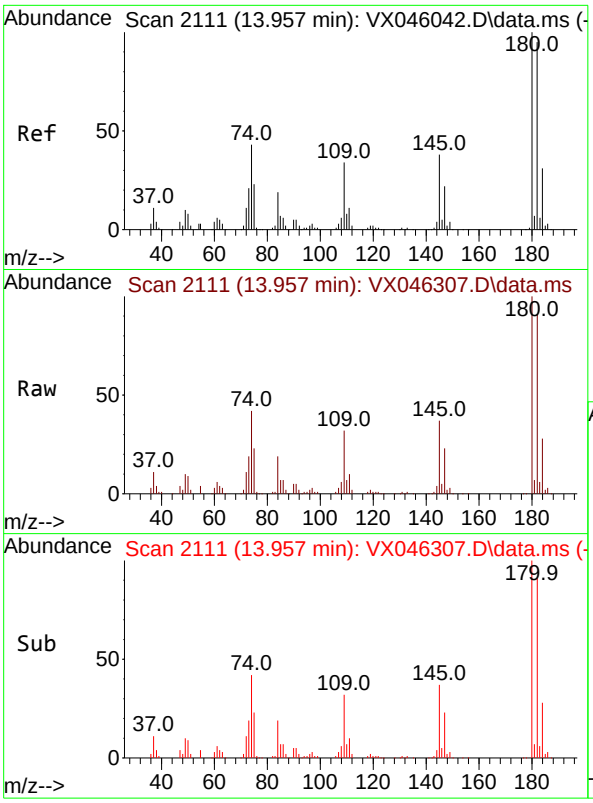


#95
Naphthalene
Concen: 51.921 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:128 Resp: 209276

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.8	8.6	13.0

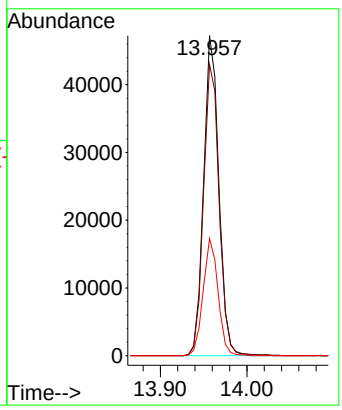




#96
1,2,3-Trichlorobenzene
Concen: 50.806 ug/l
RT: 13.957 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:180 Resp: 5761

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.8	143.3
145	35.9	18.1	54.3



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Manual Integrations
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Supervised By :Mahesh Dadoda 05/22/2025

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-400-402MSD	SDG No.:	Q2082
Lab Sample ID:	Q2082-11MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046308.D	1		05/21/25 19:21	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
74-87-3	Chloromethane	52.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	50.7		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	51.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	55.1		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	52.4		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	45.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	52.0		0.23	0.75	1.00	ug/L
67-64-1	Acetone	280		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	49.0		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	55.9		0.16	0.50	1.00	ug/L
75-09-2	Methylene Chloride	51.1		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	52.5		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	55.7		0.23	0.50	1.00	ug/L
78-93-3	2-Butanone	290		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	51.4		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	54.4		0.19	0.75	1.00	ug/L
67-66-3	Chloroform	55.5		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	55.0		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	43.2		0.16	0.50	1.00	ug/L
71-43-2	Benzene	52.4		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	52.6		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	51.2		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	53.2		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	54.6		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	290		0.68	2.50	5.00	ug/L
108-88-3	Toluene	52.8		0.14	0.50	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	53.0		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	53.1		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	54.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	290		0.89	2.50	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/19/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/19/25
Client Sample ID:	BP-VPB-182-GW-400-402MSD	SDG No.:	Q2082
Lab Sample ID:	Q2082-11MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046308.D	1		05/21/25 19:21	VX052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
124-48-1	Dibromochloromethane	55.9		0.18	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	49.5		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	52.2		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	53.5		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	110		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	54.3		0.12	0.50	1.00	ug/L
100-42-5	Styrene	52.8		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	54.1		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	54.4		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	53.2		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	52.3		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	51.1		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	52.1		0.16	0.50	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.6		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	48.7		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	79900	5.55				
540-36-3	1,4-Difluorobenzene	146000	6.757				
3114-55-4	Chlorobenzene-d5	127000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	59600	12.018				

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\VX052125\
Data File : VX046308.D
Acq On : 21 May 2025 19:21
Operator : JC/MD
Sample : Q2082-11MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 22 01:55:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	79940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146227	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75461	50.633	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.260%			
35) Dibromofluoromethane	5.379	113	51775	49.170	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.340%			
50) Toluene-d8	8.647	98	177350	48.662	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.320%			
62) 4-Bromofluorobenzene	11.079	95	69796	49.926	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	56485	46.165	ug/l	96
3) Chloromethane	1.301	50	62438	52.623	ug/l	100
4) Vinyl Chloride	1.374	62	56021	50.730	ug/l	98
5) Bromomethane	1.593	94	26218	51.188	ug/l	99
6) Chloroethane	1.666	64	32465	55.071	ug/l	98
7) Trichlorofluoromethane	1.874	101	85494	52.385	ug/l	98
8) Diethyl Ether	2.136	74	29457	53.021	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	46123	45.667	ug/l	99
10) Methyl Iodide	2.447	142	63752	53.346	ug/l	99
11) Tert butyl alcohol	2.977	59	63034	301.312	ug/l	98
12) 1,1-Dichloroethene	2.313	96	49275	51.984	ug/l	99
13) Acrolein	2.233	56	72947	306.186	ug/l	99
14) Allyl chloride	2.660	41	101961	56.283	ug/l	96
15) Acrylonitrile	3.063	53	171868	287.314	ug/l	98
16) Acetone	2.386	43	169394	283.478	ug/l	97
17) Carbon Disulfide	2.502	76	110196	49.036	ug/l	99
18) Methyl Acetate	2.703	43	83751	60.398	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	185829	55.918	ug/l	100
20) Methylene Chloride	2.782	84	58553	51.133	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	50071	52.527	ug/l	97
22) Diisopropyl ether	3.758	45	199011	56.871	ug/l	100
23) Vinyl Acetate	3.721	43	809283	262.943	ug/l	99
24) 1,1-Dichloroethane	3.605	63	108640	55.740	ug/l	98
25) 2-Butanone	4.556	43	254185	293.001	ug/l	100
26) 2,2-Dichloropropane	4.471	77	69722	45.703	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	62464	54.432	ug/l	99
28) Bromochloromethane	4.891	49	50751	54.095	ug/l	95
29) Tetrahydrofuran	5.001	42	160476	295.204	ug/l	99
30) Chloroform	5.087	83	112721	55.486	ug/l	98
31) Cyclohexane	5.458	56	87166	49.077	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	96802	54.969	ug/l	99
36) 1,1-Dichloropropene	5.684	75	71475	50.520	ug/l	99
37) Ethyl Acetate	4.709	43	89163	51.009	ug/l	99
38) Carbon Tetrachloride	5.666	117	81748	51.425	ug/l	97
39) Methylcyclohexane	7.373	83	78606	43.156	ug/l	97
40) Benzene	6.032	78	217183	52.408	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046308.D
Acq On : 21 May 2025 19:21
Operator : JC/MD
Sample : Q2082-11MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 22 01:55:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Manual Integrations APPROVED
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	53625	58.646	ug/l		98
42) 1,2-Dichloroethane	6.080	62	94041	52.580	ug/l		100
43) Isopropyl Acetate	6.336	43	143709	53.891	ug/l		99
44) Trichloroethene	7.123	130	51114	51.247	ug/l		99
45) 1,2-Dichloropropane	7.428	63	54790	53.171	ug/l		95
46) Dibromomethane	7.574	93	42785	52.644	ug/l		98
47) Bromodichloromethane	7.818	83	87459	54.637	ug/l		99
48) Methyl methacrylate	7.690	41	77929	57.222	ug/l		98
49) 1,4-Dioxane	7.659	88	31310	1210.825	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	509615	287.904	ug/l		99
52) Toluene	8.714	92	134212	52.817	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	75416	53.005	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	83532	53.119	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	54521	54.415	ug/l		98
56) Ethyl methacrylate	9.116	69	91572	57.344	ug/l		98
57) 1,3-Dichloropropane	9.305	76	94909	52.744	ug/l		99
59) 2-Hexanone	9.427	43	383797	293.071	ug/l		100
60) Dibromochloromethane	9.519	129	61539	55.926	ug/l		97
61) 1,2-Dibromoethane	9.604	107	55600	53.390	ug/l		97
64) Tetrachloroethene	9.269	164	44612	49.494	ug/l		97
65) Chlorobenzene	10.080	112	145504	52.183	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	51571	54.164	ug/l		100
67) Ethyl Benzene	10.189	91	262796	53.467	ug/l		99
68) m/p-Xylenes	10.299	106	189962	105.672	ug/l		96
69) o-Xylene	10.640	106	95172	54.305	ug/l		99
70) Styrene	10.653	104	151475	52.763	ug/l		99
71) Bromoform	10.799	173	38705	54.145	ug/l	#	99
73) Isopropylbenzene	10.957	105	252133	54.364	ug/l		99
74) N-amyl acetate	10.842	43	123928	54.075	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	86448	53.190	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	77248m	53.872	ug/l		
77) Bromobenzene	11.195	156	56888	52.834	ug/l		99
78) n-propylbenzene	11.299	91	292439	54.229	ug/l		100
79) 2-Chlorotoluene	11.360	91	181325	52.131	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	209753	54.135	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	22629	51.378	ug/l		98
82) 4-Chlorotoluene	11.451	91	206552	53.548	ug/l		99
83) tert-Butylbenzene	11.713	119	209369	53.645	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	213049	54.297	ug/l		100
85) sec-Butylbenzene	11.890	105	253076	52.812	ug/l		99
86) p-Isopropyltoluene	12.006	119	210537	53.227	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	102778	52.302	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	102559	51.104	ug/l		99
89) n-Butylbenzene	12.329	91	183546	52.901	ug/l		99
90) Hexachloroethane	12.536	117	36929	52.993	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	102829	52.146	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20476	56.870	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	55448	48.956	ug/l		99
94) Hexachlorobutadiene	13.725	225	22897	46.289	ug/l		96
95) Naphthalene	13.774	128	215650	51.914	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	58046	49.669	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046308.D
Acq On : 21 May 2025 19:21
Operator : JC/MD
Sample : Q2082-11MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 22 01:55:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

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\VX052125\
Data File : VX046308.D
Acq On : 21 May 2025 19:21
Operator : JC/MD
Sample : Q2082-11MSD
Misc : 5.0mL/MSVOA_X/WATER
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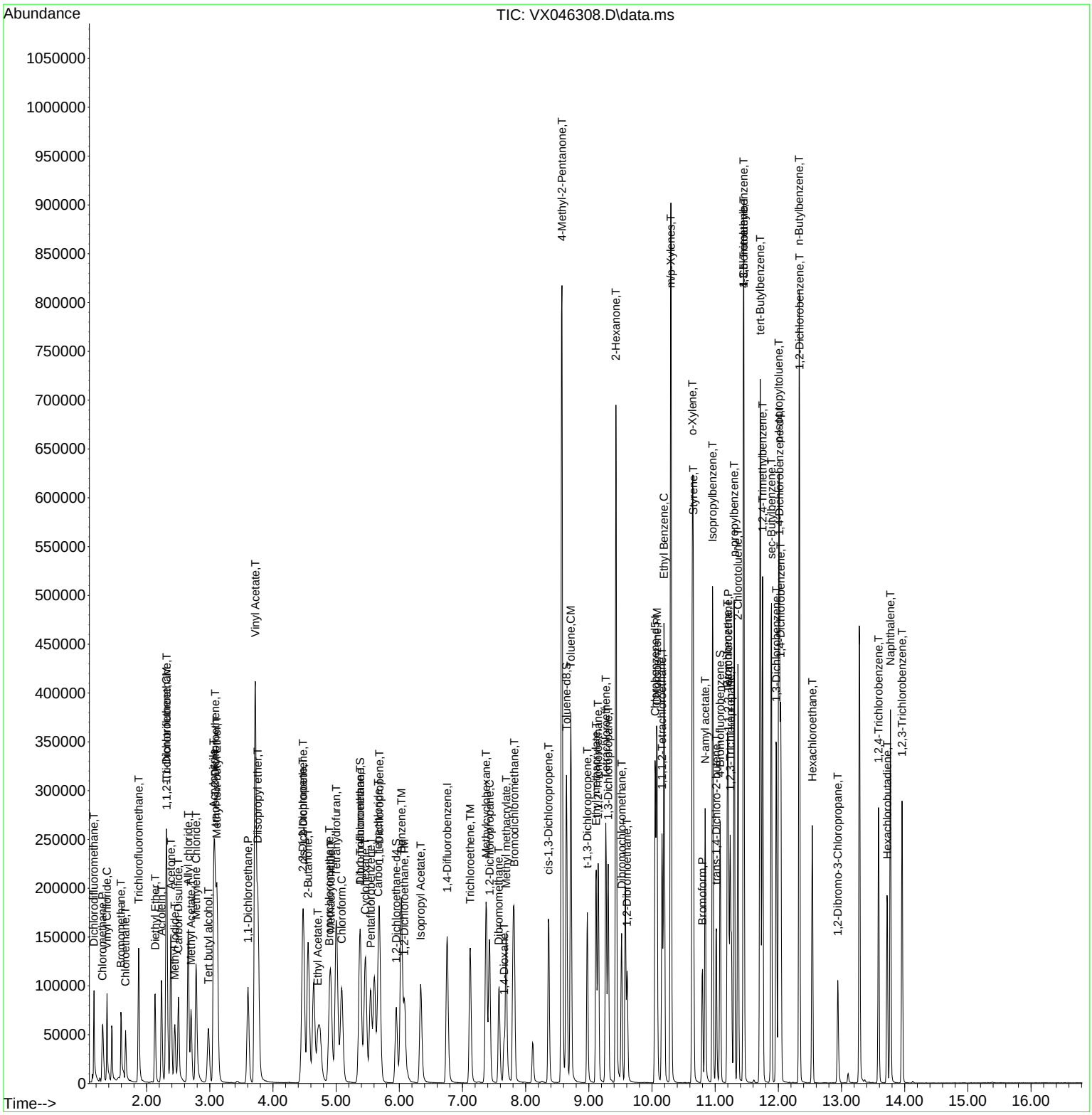
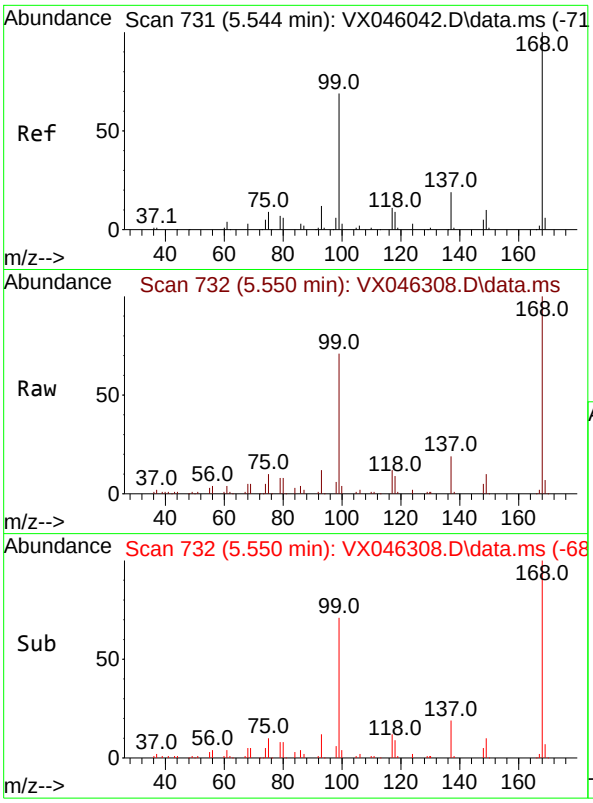
Quant Time: May 22 01:55:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

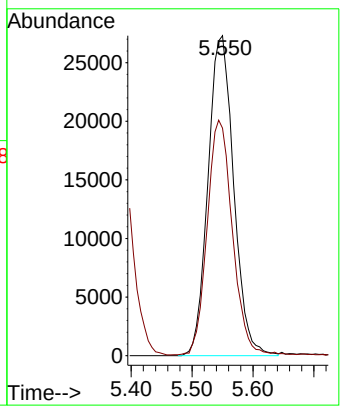




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:168 Resp: 7994

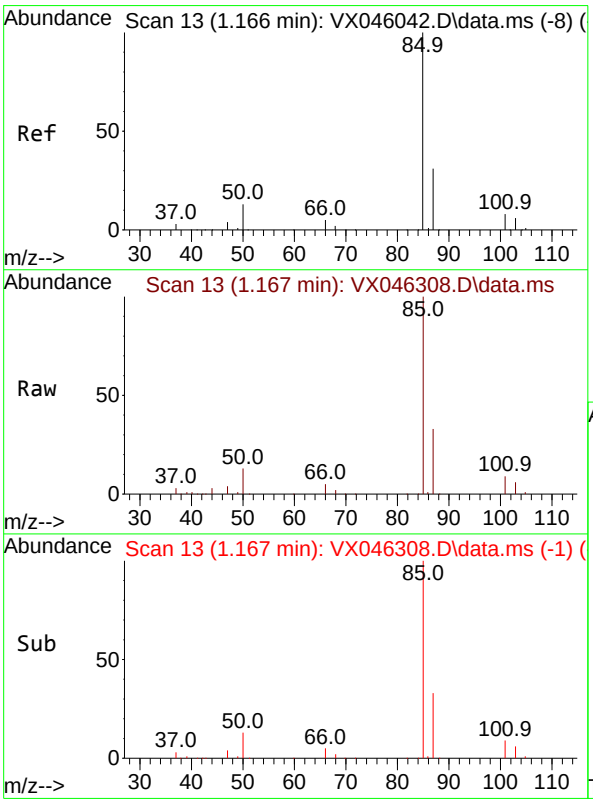
Ion	Ratio	Lower	Upper
168	100		
99	70.8	54.9	82.3



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Manual Integrations
APPROVED

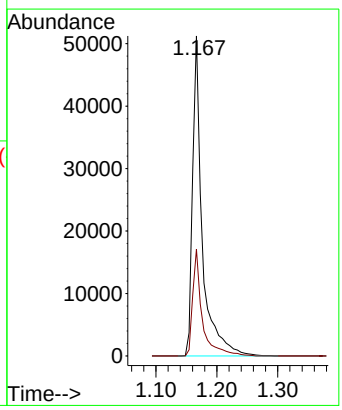
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

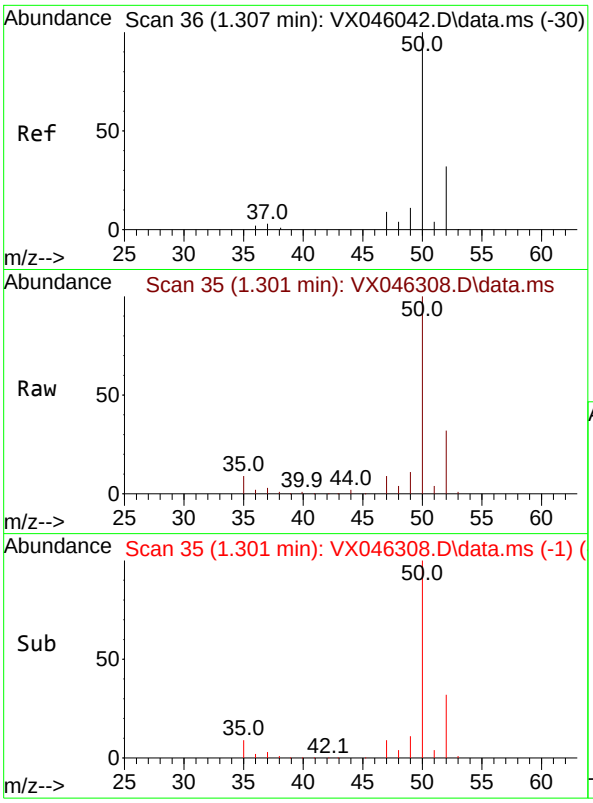


#2
Dichlorodifluoromethane
Concen: 46.165 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 85 Resp: 56485

Ion	Ratio	Lower	Upper
85	100		
87	33.4	15.7	47.1

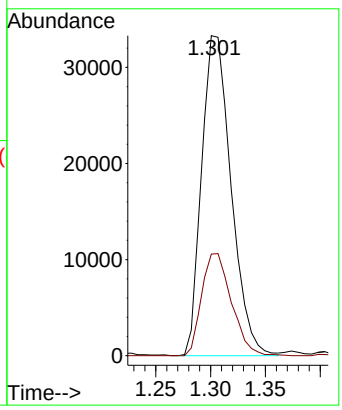




#3
Chloromethane
Concen: 52.623 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 50 Resp: 6243

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/22/2025
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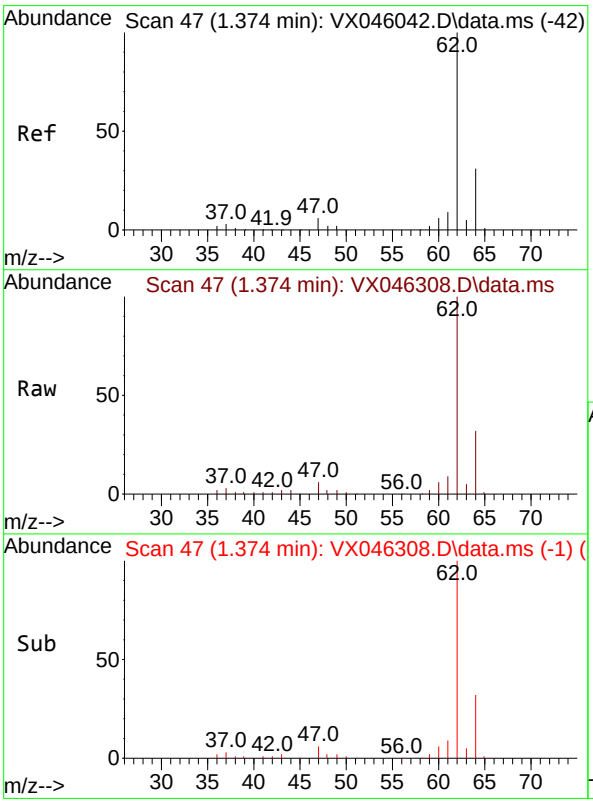
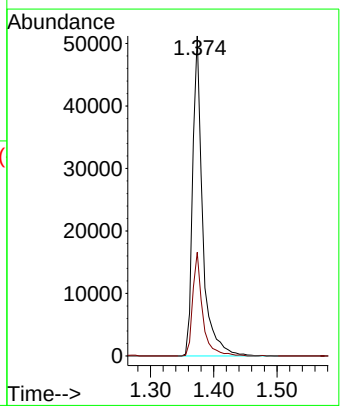
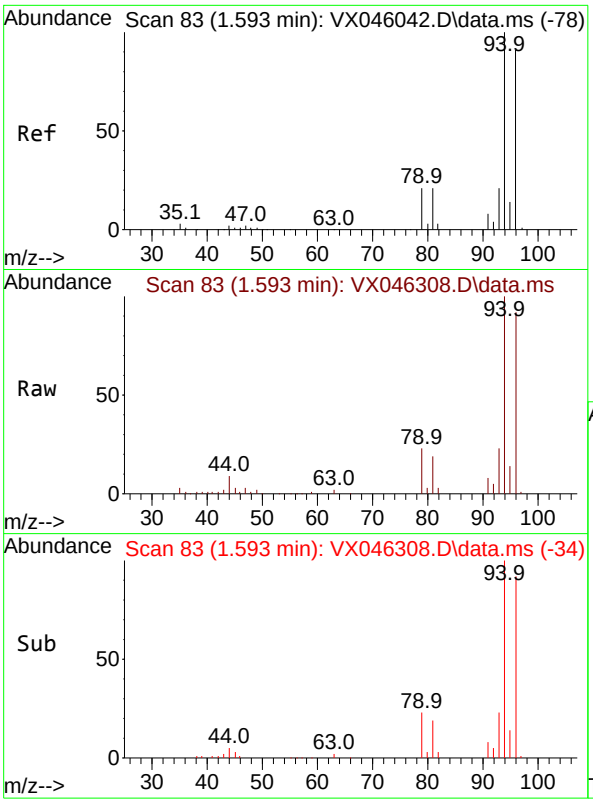


#4
Vinyl Chloride
Concen: 50.730 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 62 Resp: 56021

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.2	37.8

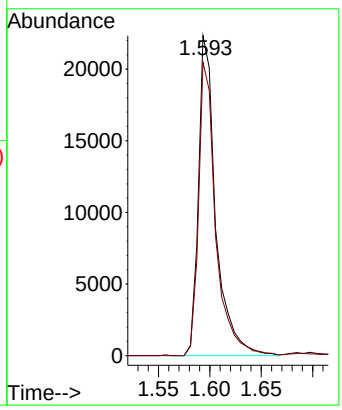




#5
Bromomethane
Concen: 51.188 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 94 Resp: 2621

Ion	Ratio	Lower	Upper
94	100		
96	91.7	72.8	109.2



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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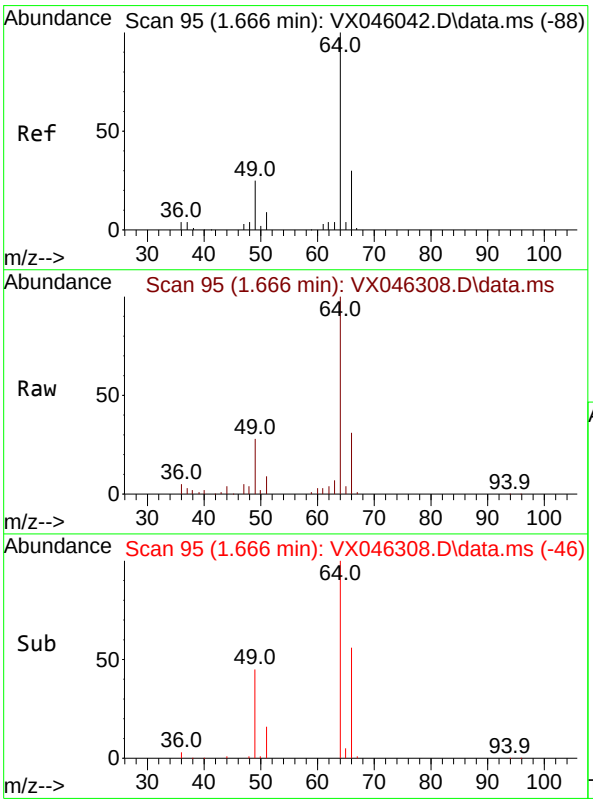
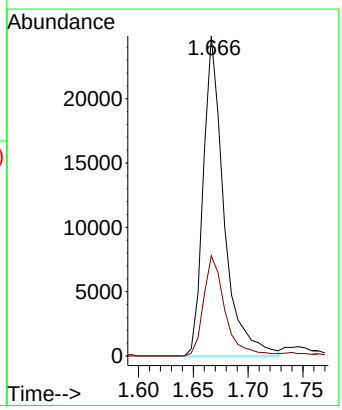
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

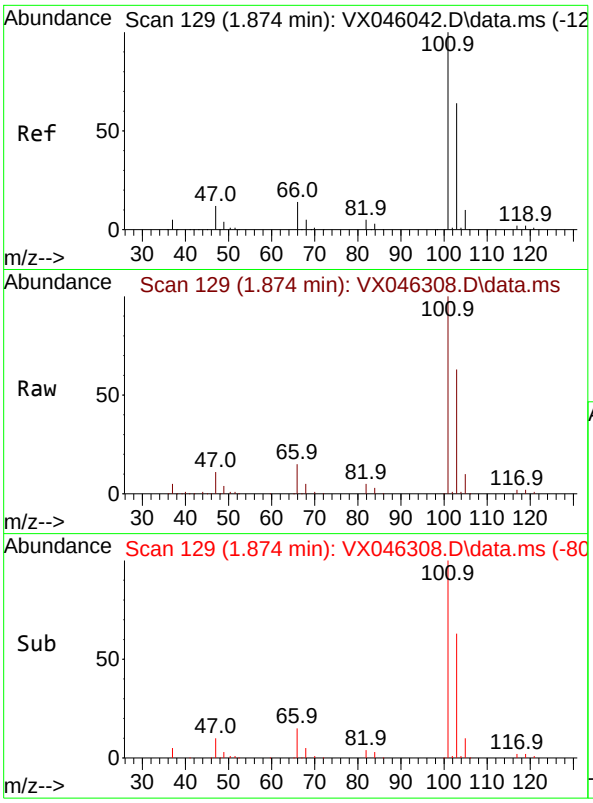


#6
Chloroethane
Concen: 55.071 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 64 Resp: 32465

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.3	36.5

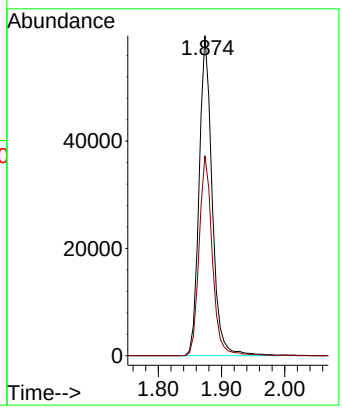




#7
Trichlorofluoromethane
Concen: 52.385 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:101 Resp: 8549

Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.0	76.4



Instrument :
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ClientSampleId :
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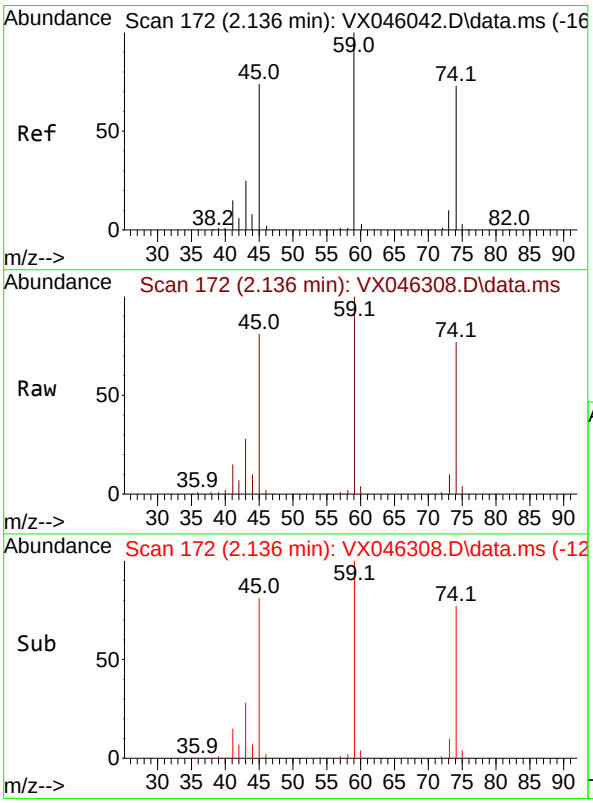
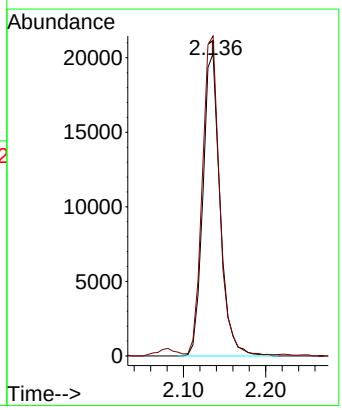
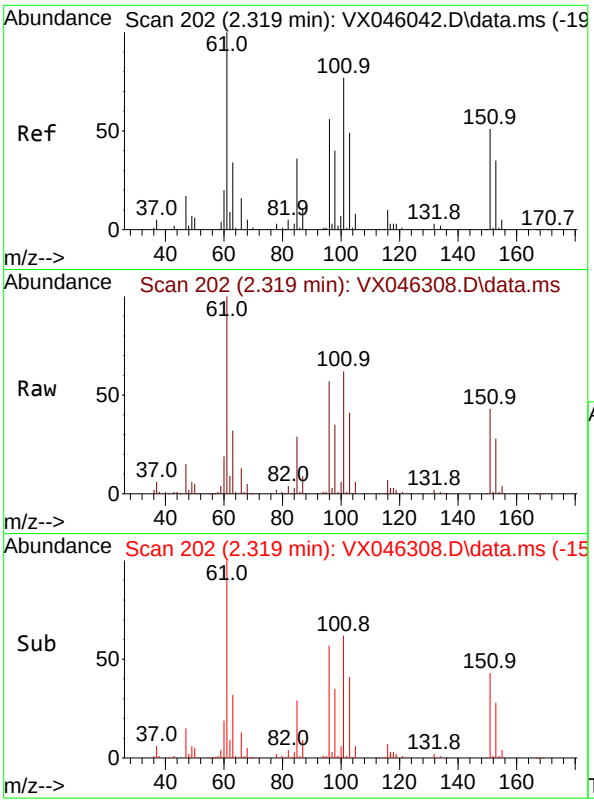


#8
Diethyl Ether
Concen: 53.021 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 74 Resp: 29457

Ion	Ratio	Lower	Upper
74	100		
45	106.2	54.9	164.8

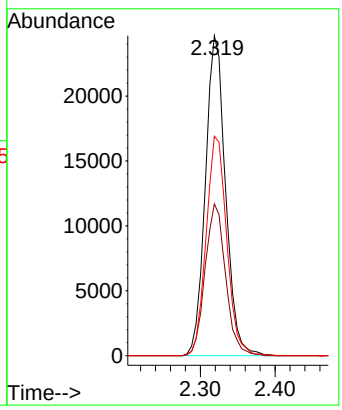




#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.667 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:101 Resp: 4612

Ion	Ratio	Lower	Upper
101	100		
85	48.3	38.6	58.0
151	70.3	55.2	82.8



Instrument :
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ClientSampleId :
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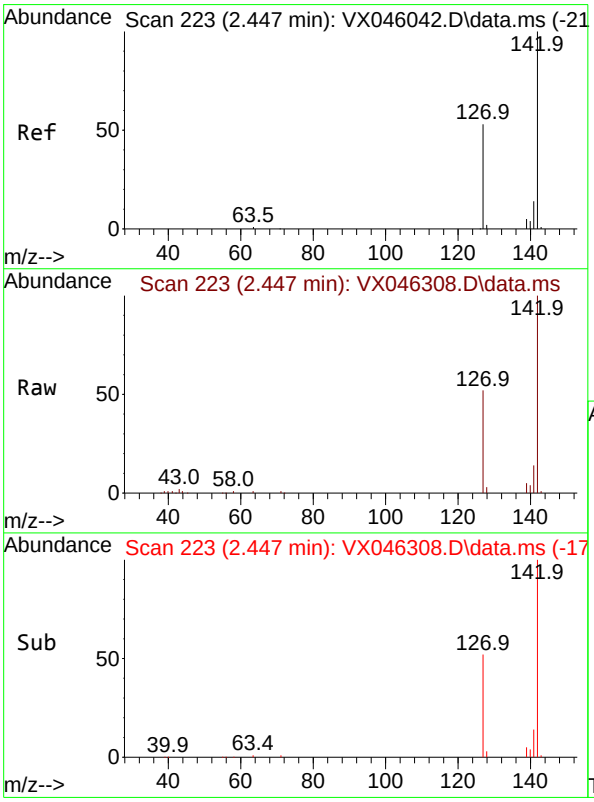
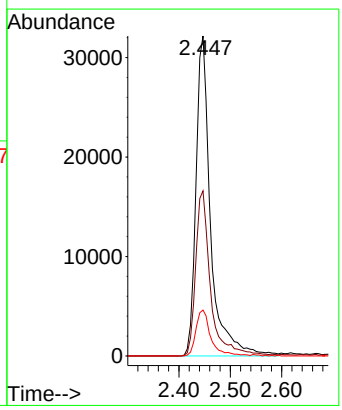
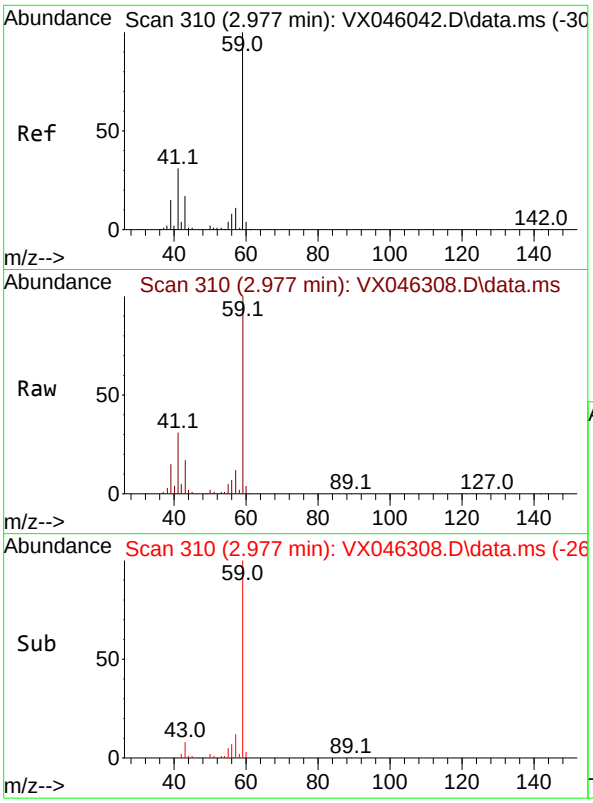


#10
Methyl Iodide
Concen: 53.346 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:142 Resp: 63752

Ion	Ratio	Lower	Upper
142	100		
127	52.7	41.7	62.5
141	14.5	11.5	17.3

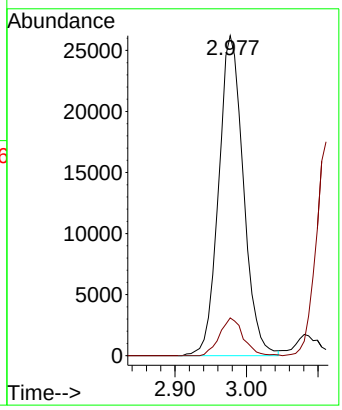




#11
Tert butyl alcohol
Concen: 301.312 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 59 Resp: 6303

Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.6	12.8



Instrument :
MSVOA_X
ClientSampleId :
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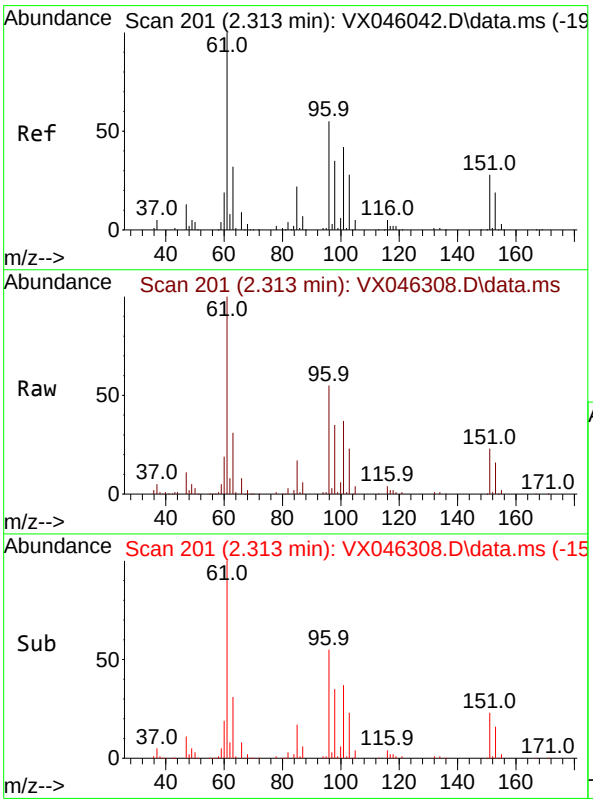
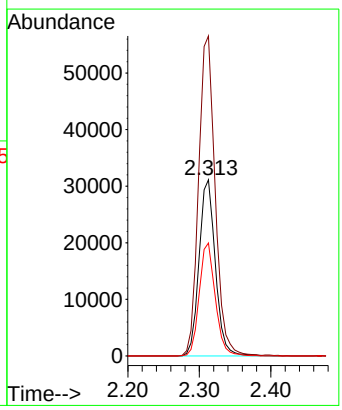
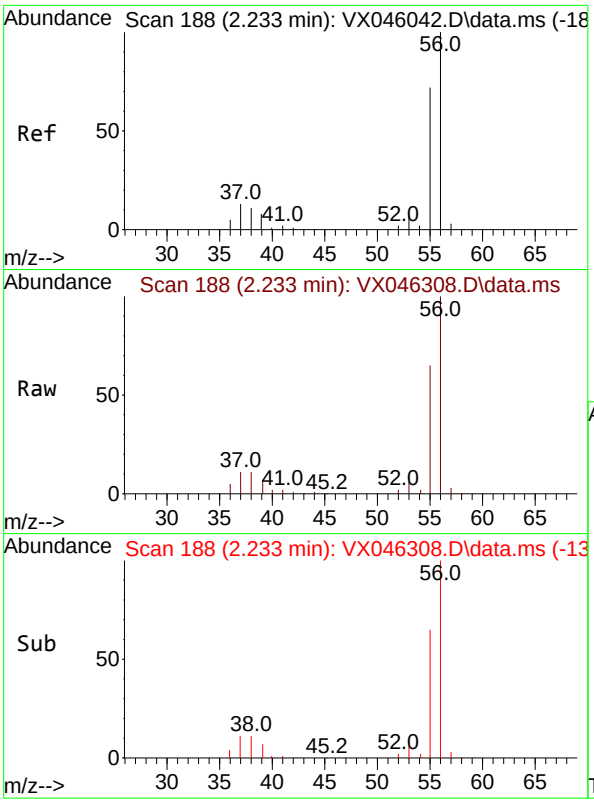


#12
1,1-Dichloroethene
Concen: 51.984 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 96 Resp: 49275

Ion	Ratio	Lower	Upper
96	100		
61	181.6	146.2	219.2
98	64.1	51.0	76.6

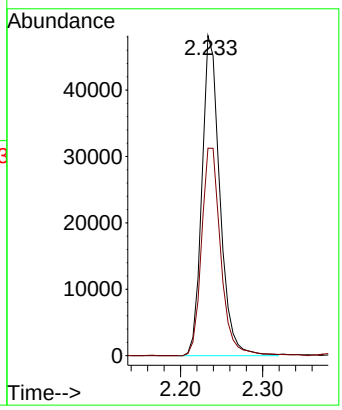




#13
Acrolein
Concen: 306.186 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 56 Resp: 7294

Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.2	84.4



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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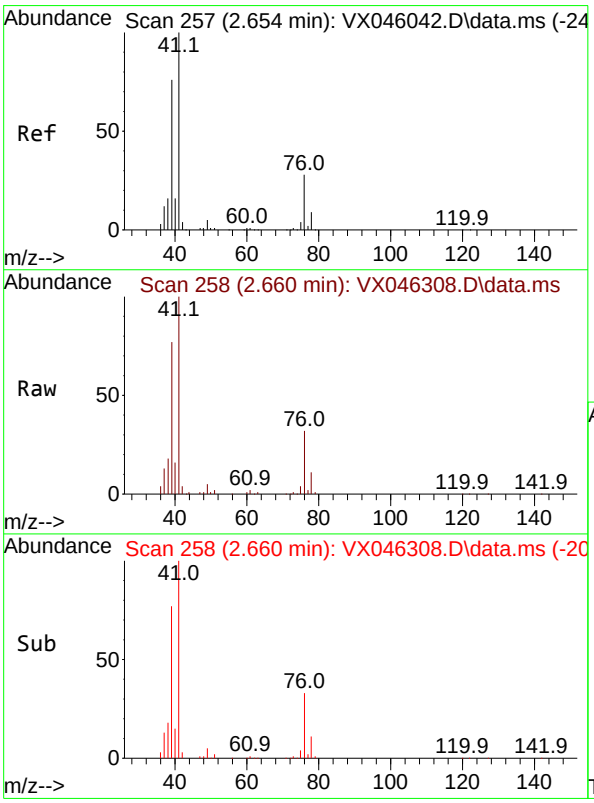
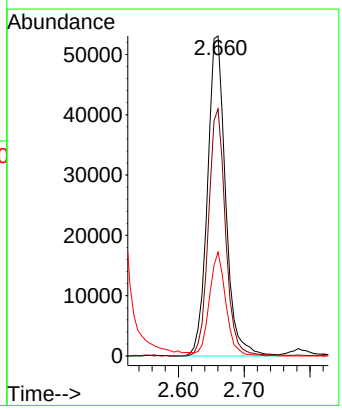
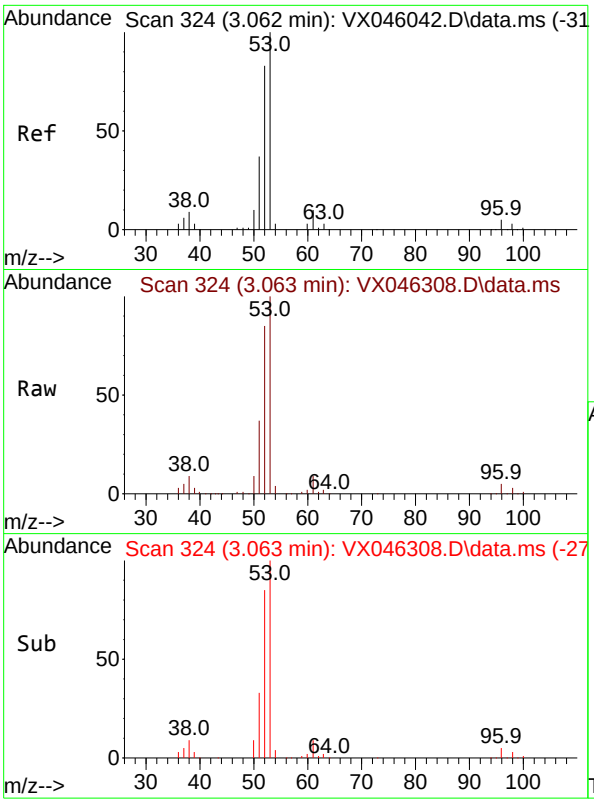


#14
Allyl chloride
Concen: 56.283 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 41 Resp: 101961

Ion	Ratio	Lower	Upper
41	100		
39	72.5	60.6	90.8
76	29.4	24.9	37.3

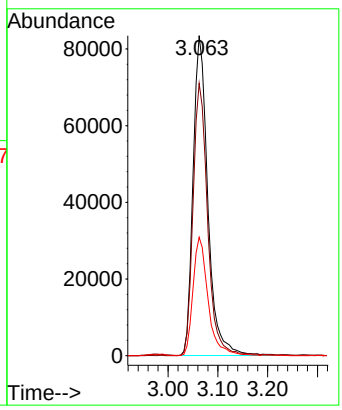




#15
Acrylonitrile
Concen: 287.314 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 53 Resp: 17186

Ion	Ratio	Lower	Upper
53	100		
52	84.4	65.3	97.9
51	37.6	29.8	44.8



Instrument :
MSVOA_X
ClientSampleId :
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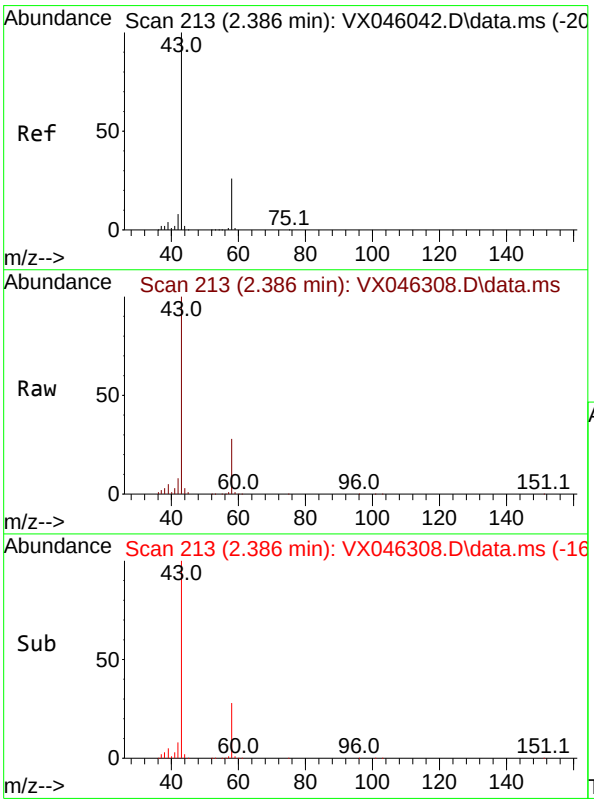
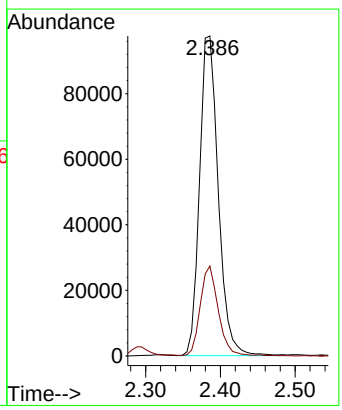
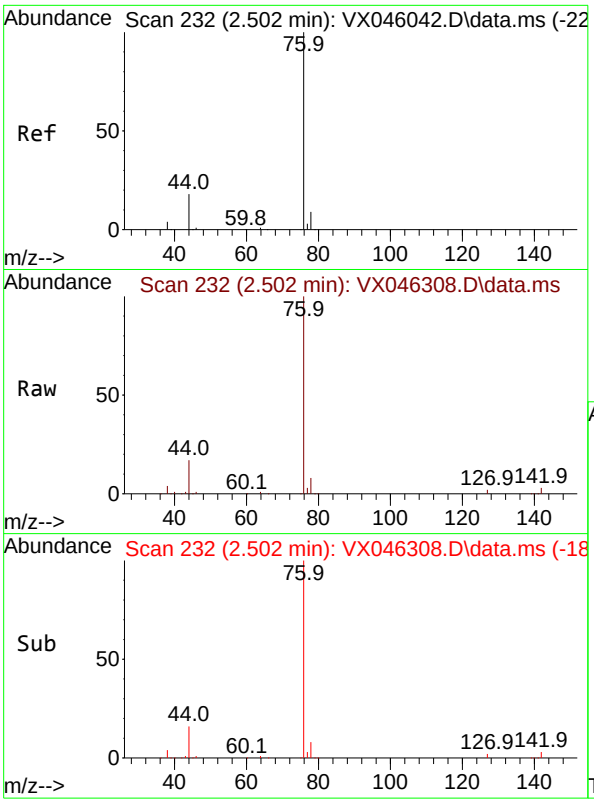


#16
Acetone
Concen: 283.478 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 43 Resp: 169394

Ion	Ratio	Lower	Upper
43	100		
58	28.0	21.2	31.8





#17
Carbon Disulfide
Concen: 49.036 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 76 Resp: 11019

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.4

Instrument :
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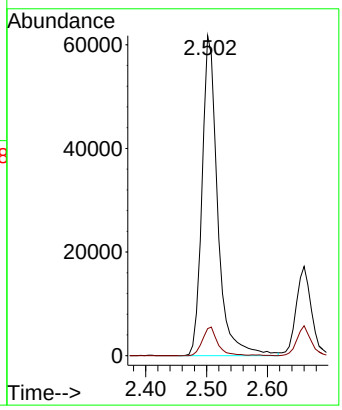
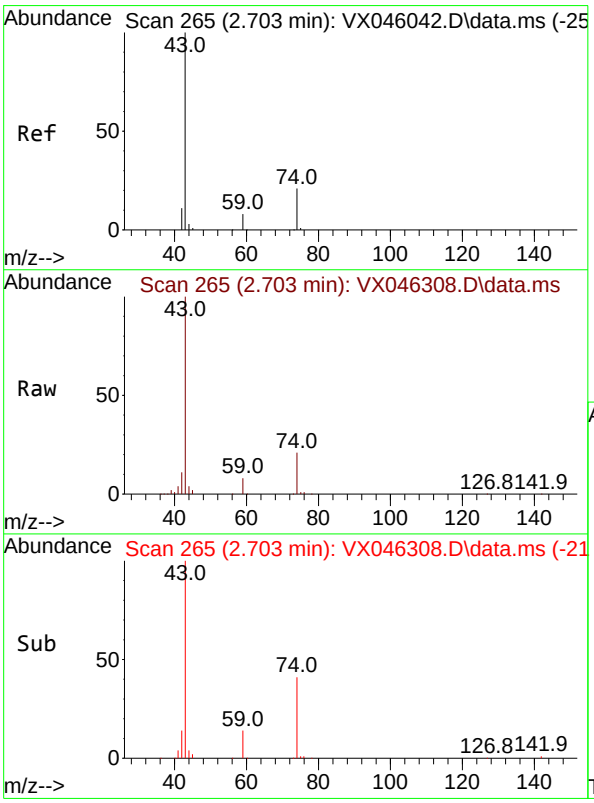
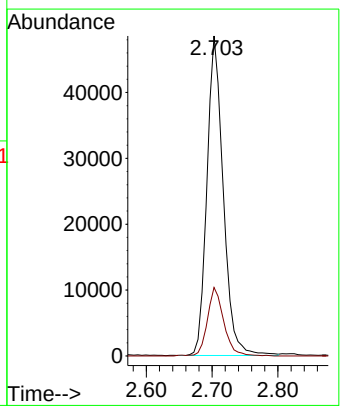


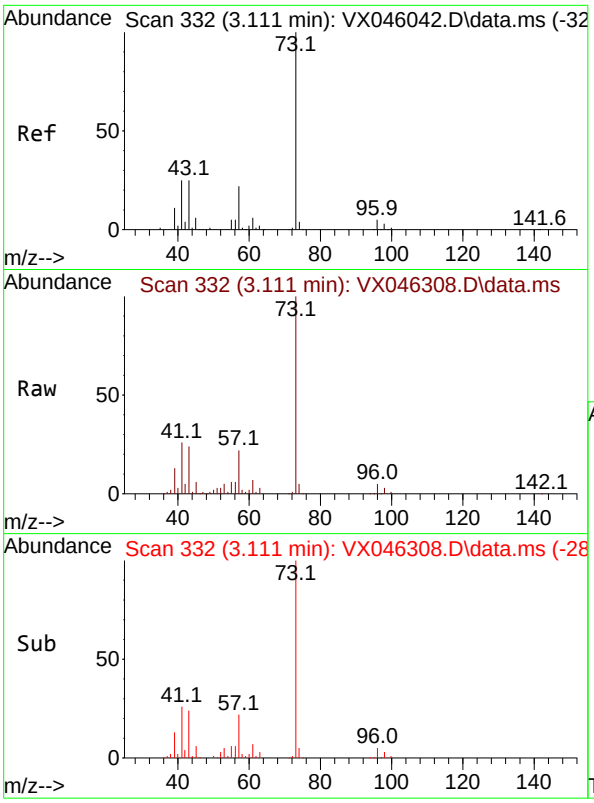


#18
Methyl Acetate
Concen: 60.398 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 43 Resp: 83751

Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.7	25.1





#19
Methyl tert-butyl Ether
Concen: 55.918 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 73 Resp: 18582

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

Instrument :
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ClientSampleId :
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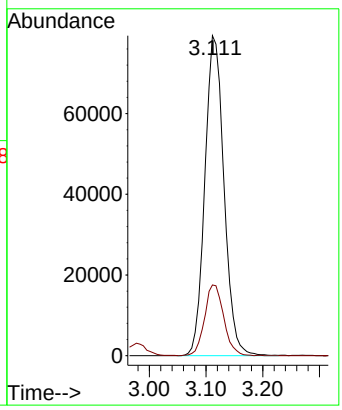
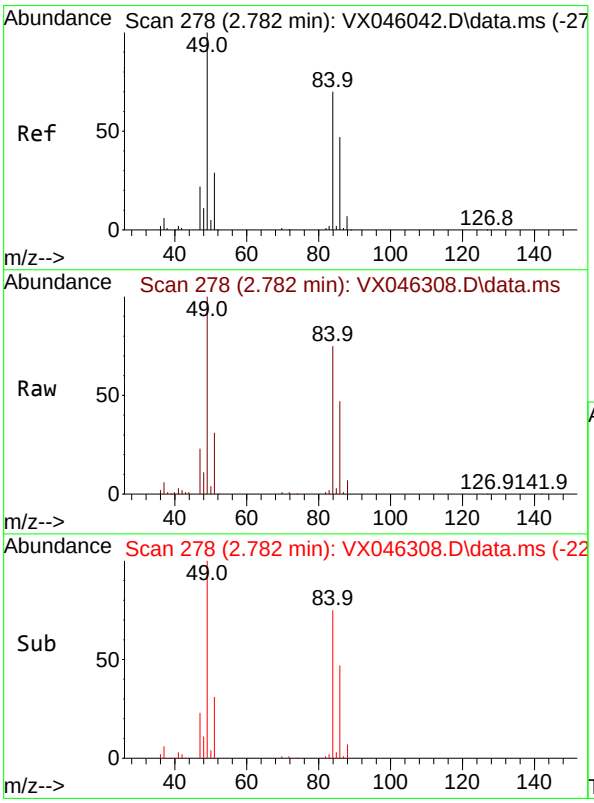
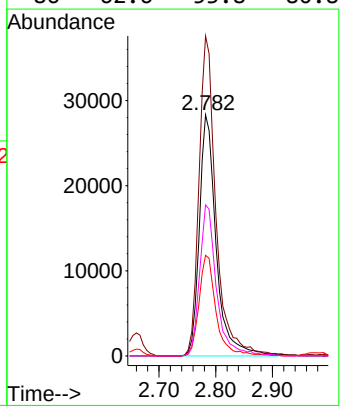


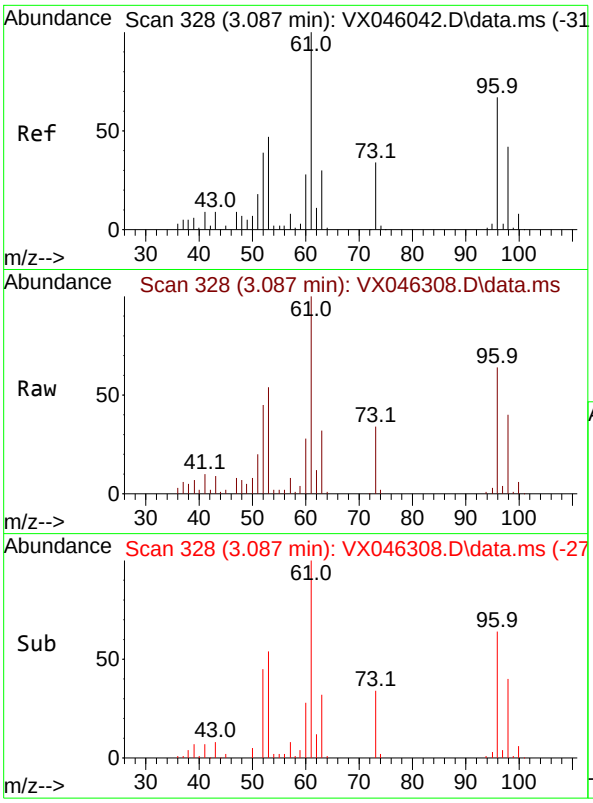


#20
Methylene Chloride
Concen: 51.133 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 84 Resp: 58553

Ion	Ratio	Lower	Upper
84	100		
49	132.7	113.9	170.9
51	41.8	33.5	50.3
86	62.6	53.8	80.8

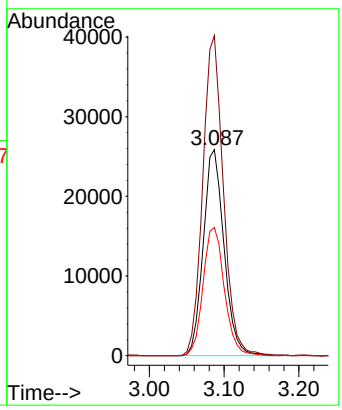




#21
trans-1,2-Dichloroethene
Concen: 52.527 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 96 Resp: 5007

Ion	Ratio	Lower	Upper
96	100		
61	155.3	119.5	179.3
98	62.2	50.0	75.0



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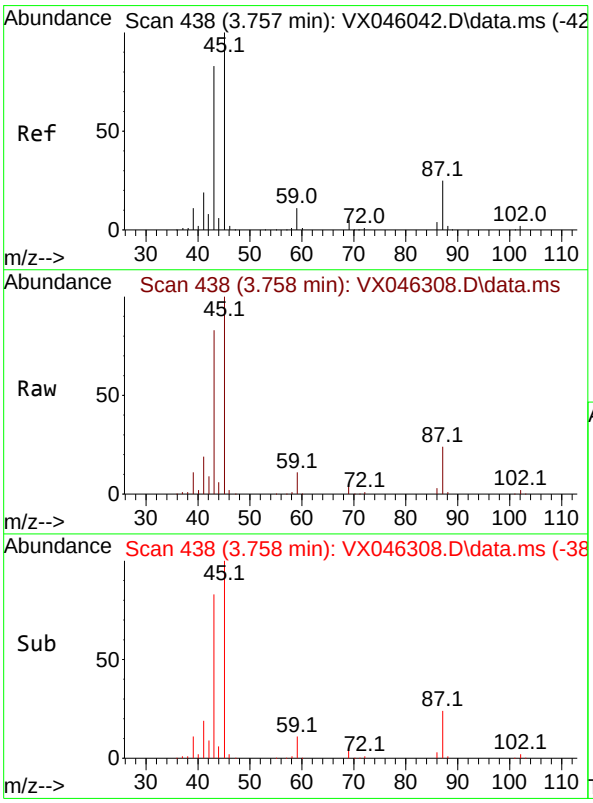
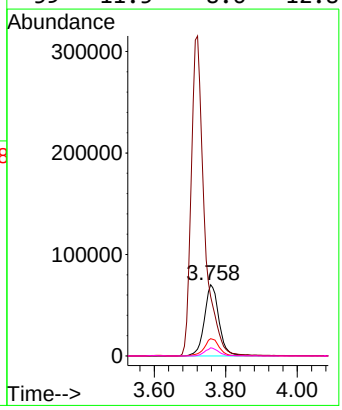
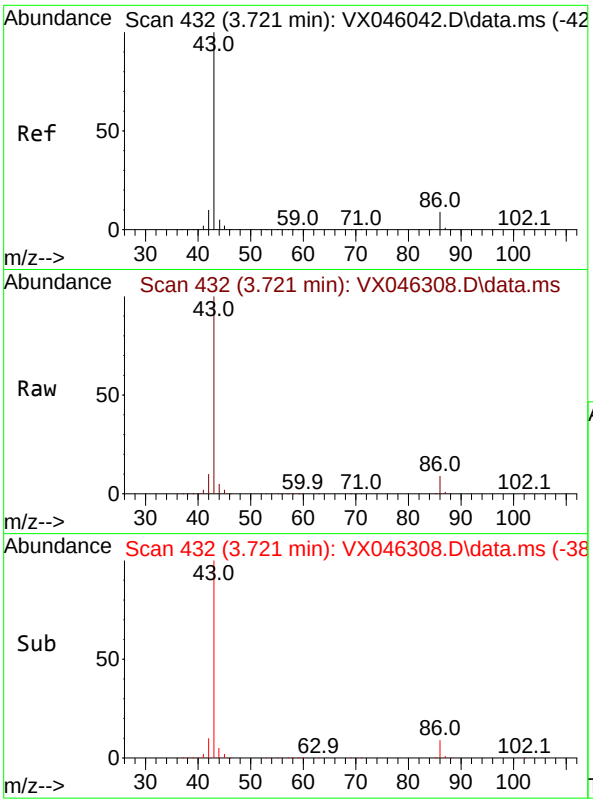


#22
Diisopropyl ether
Concen: 56.871 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 45 Resp: 199011

Ion	Ratio	Lower	Upper
45	100		
43	83.4	66.6	100.0
87	24.3	19.8	29.6
59	11.5	8.6	12.8





#23
Vinyl Acetate
Concen: 262.943 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 43 Resp: 80928

Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.5	11.3

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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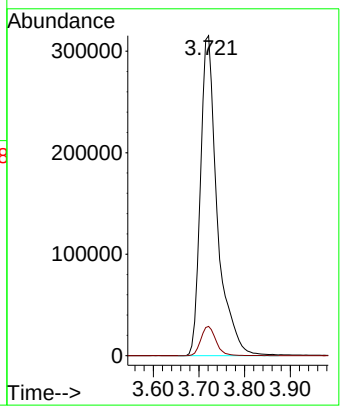
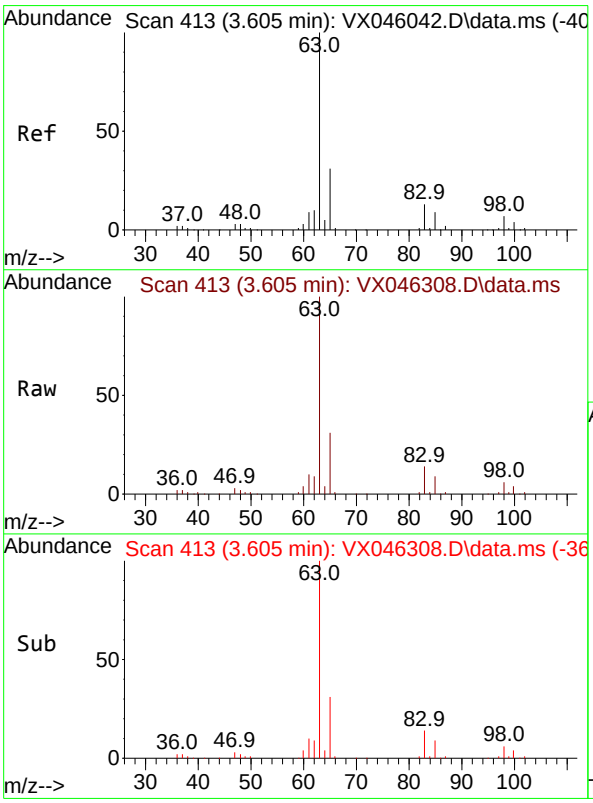
Supervised By :Mahesh Dadoda 05/22/2025

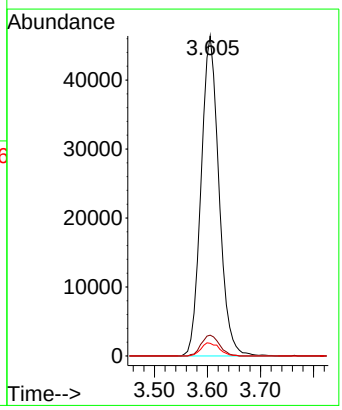


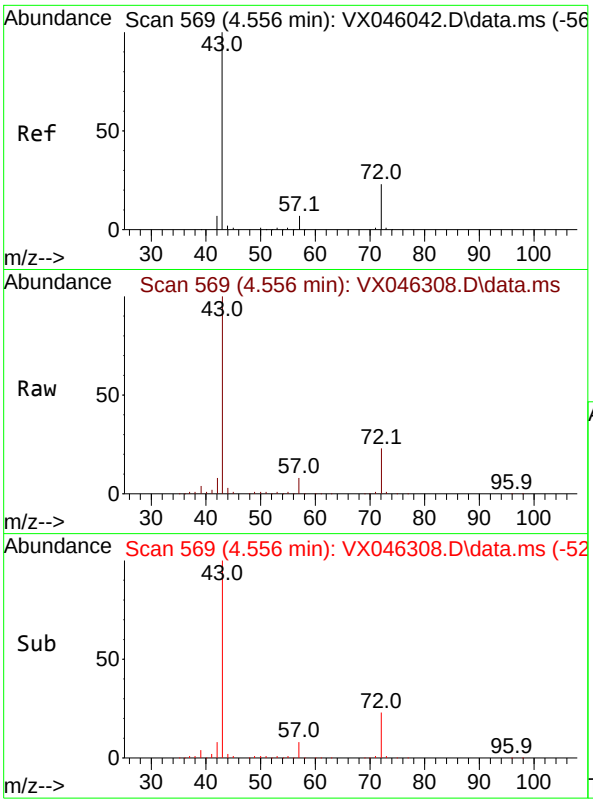


#24
1,1-Dichloroethane
Concen: 55.740 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 63 Resp: 108640

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.6	10.8
100	4.0	2.1	6.3

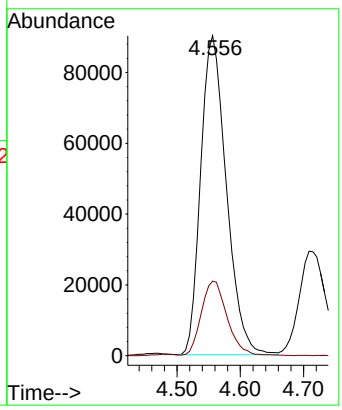




#25
2-Butanone
Concen: 293.001 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 43 Resp: 25418

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.4	27.6



Instrument :
MSVOA_X
ClientSampleId :
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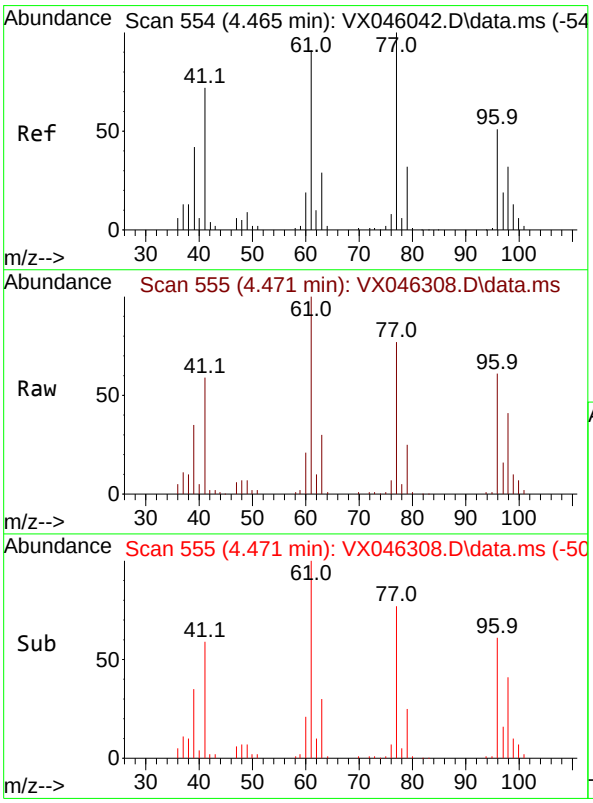
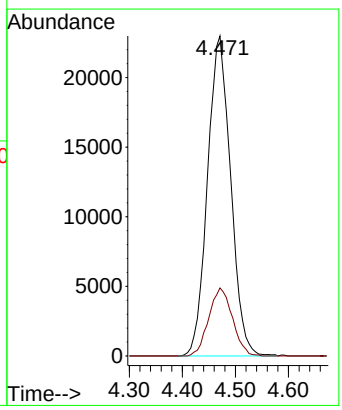
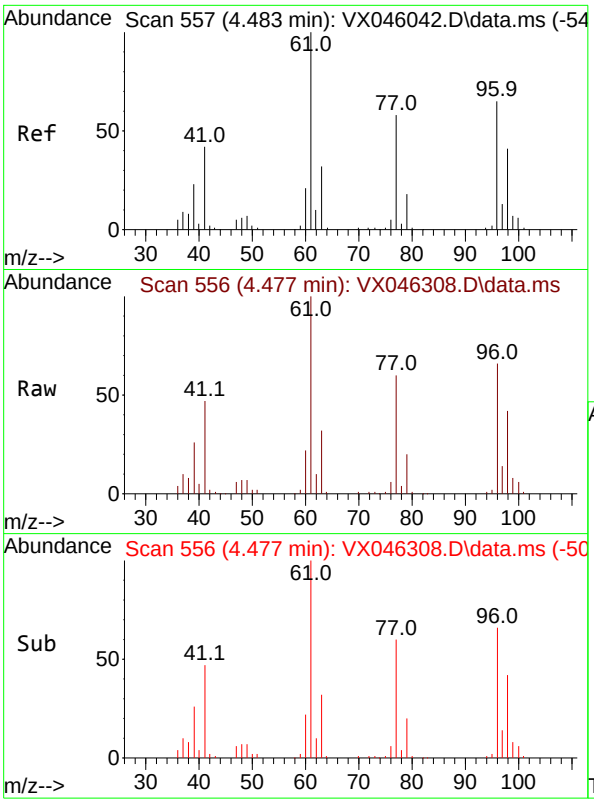


#26
2,2-Dichloropropane
Concen: 45.703 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 77 Resp: 69722

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.5	31.5





#27
cis-1,2-Dichloroethene
Concen: 54.432 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 96 Resp: 6246

Ion	Ratio	Lower	Upper
96	100		
61	159.2	0.0	322.8
98	64.1	0.0	129.0

Instrument :
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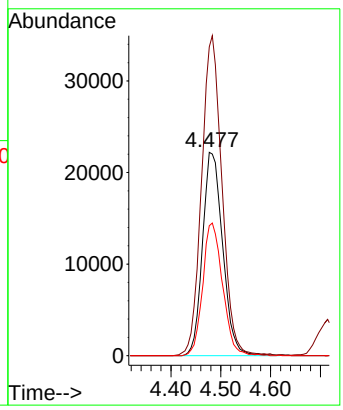
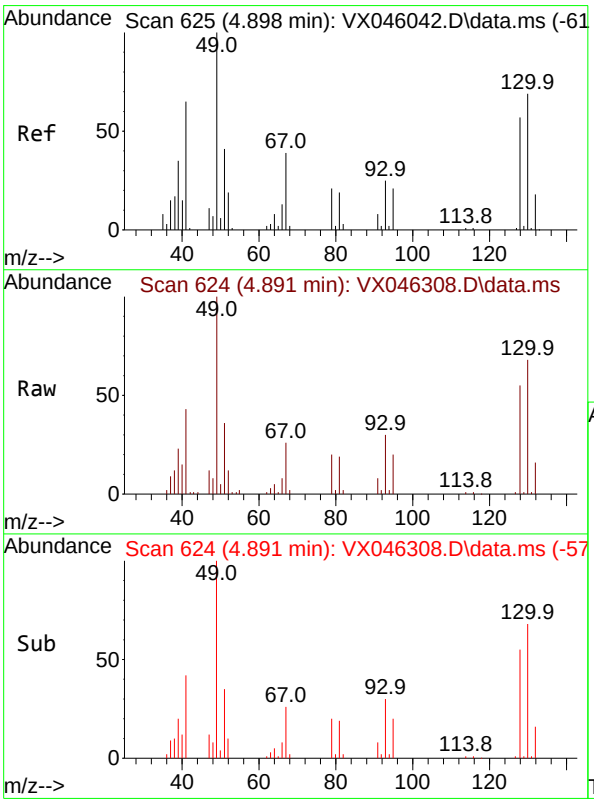
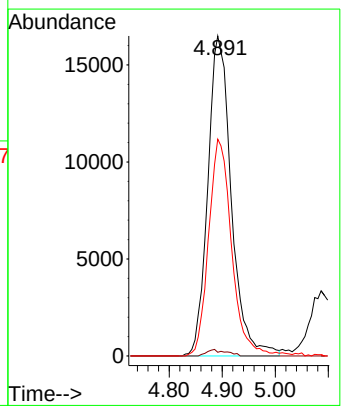


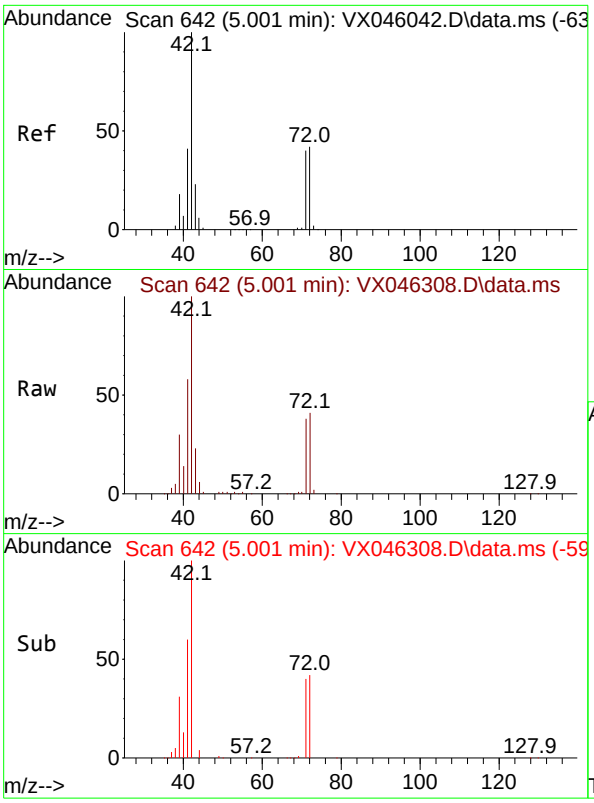


#28
Bromochloromethane
Concen: 54.095 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 49 Resp: 50751

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	65.9	56.2	84.2





#29
Tetrahydrofuran
Concen: 295.204 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 42 Resp: 16047(

Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.7	50.5
71	38.6	31.4	47.2

Instrument :
MSVOA_X
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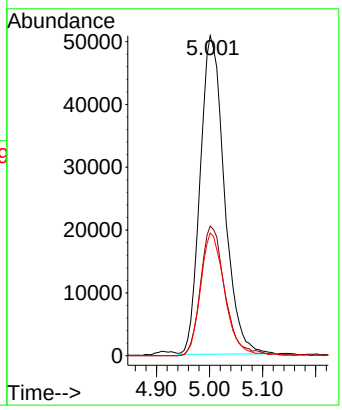
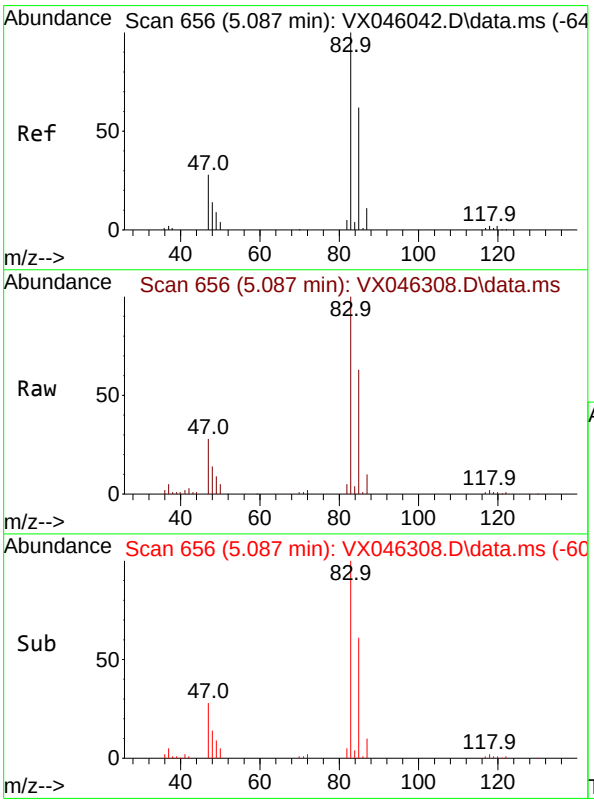
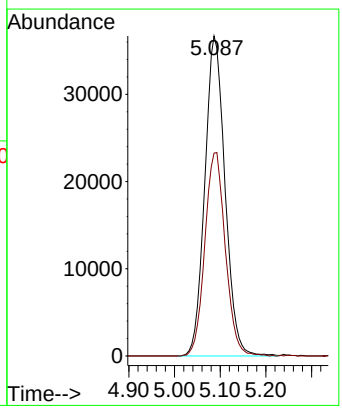


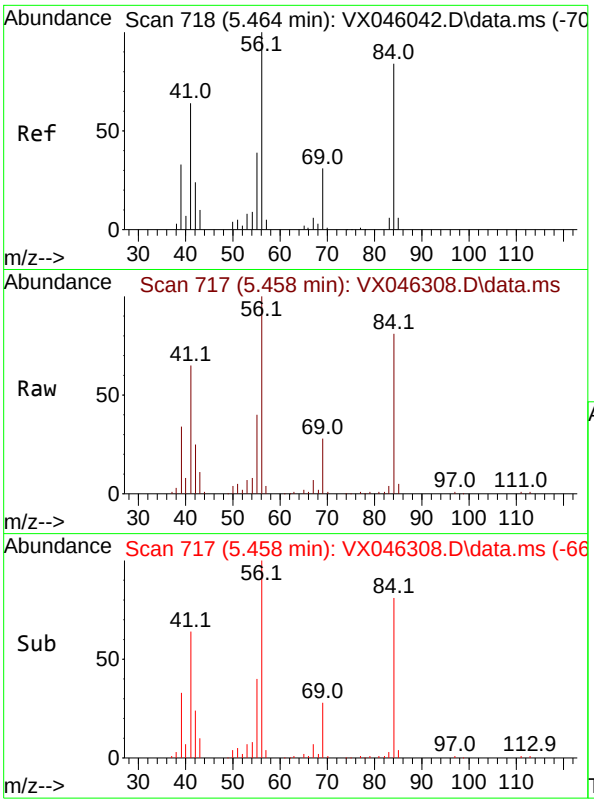


#30
Chloroform
Concen: 55.486 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 83 Resp: 112721

Ion	Ratio	Lower	Upper
83	100		
85	63.4	49.3	73.9

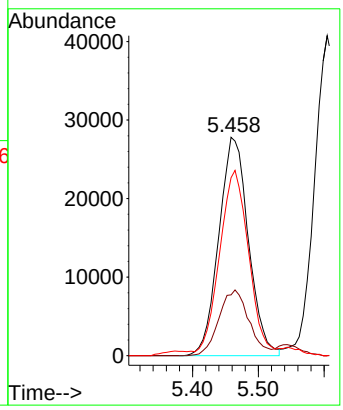




#31
Cyclohexane
Concen: 49.077 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 56 Resp: 8716

Ion	Ratio	Lower	Upper
56	100		
69	27.8	24.4	36.6
84	79.5	66.9	100.3



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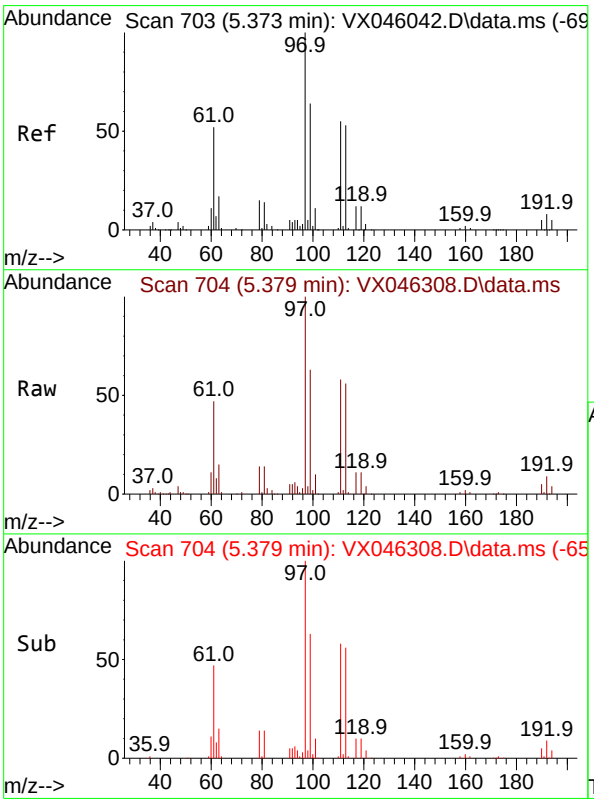
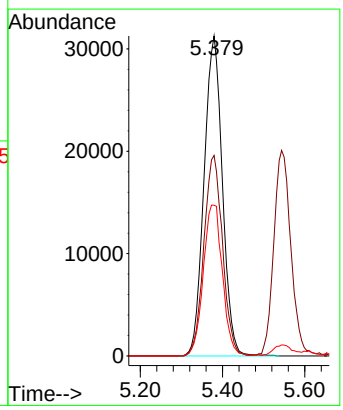
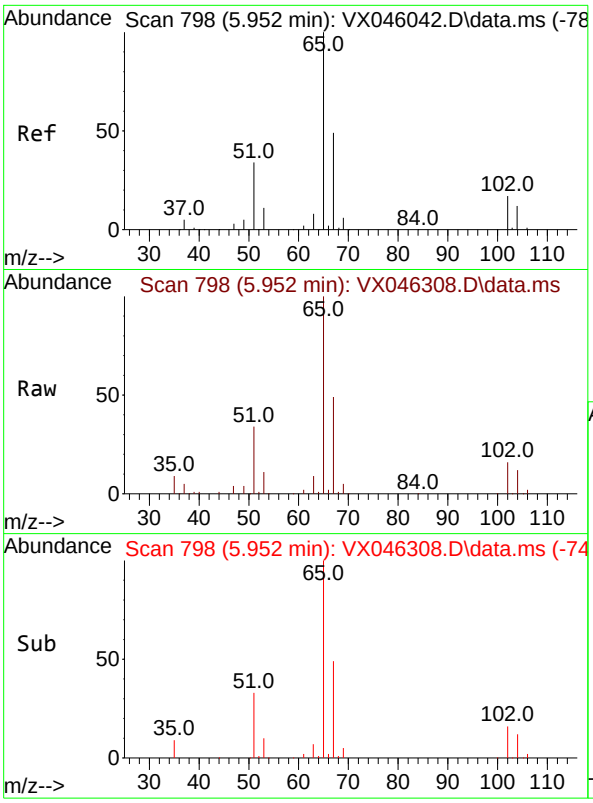


#32
1,1,1-Trichloroethane
Concen: 54.969 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 97 Resp: 96802

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.8	77.6
61	49.3	40.1	60.1

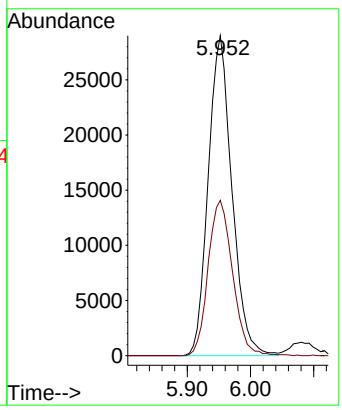




#33
1,2-Dichloroethane-d4
Concen: 50.633 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 65 Resp: 7546

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	99.0



Instrument :
MSVOA_X
ClientSampleId :
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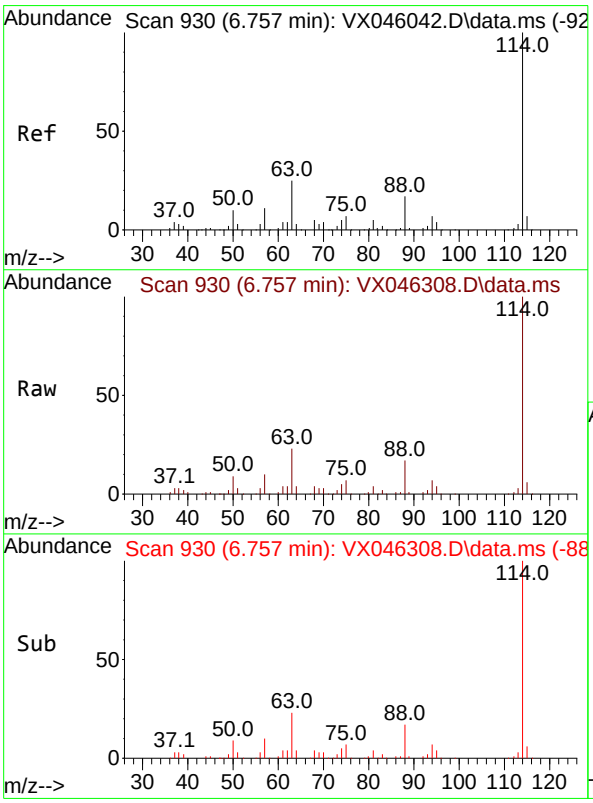
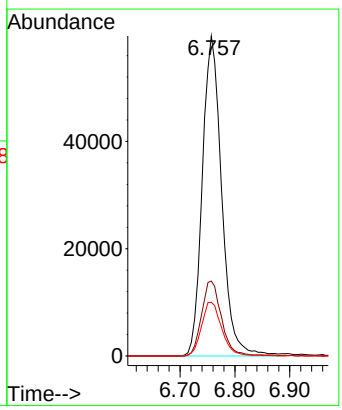
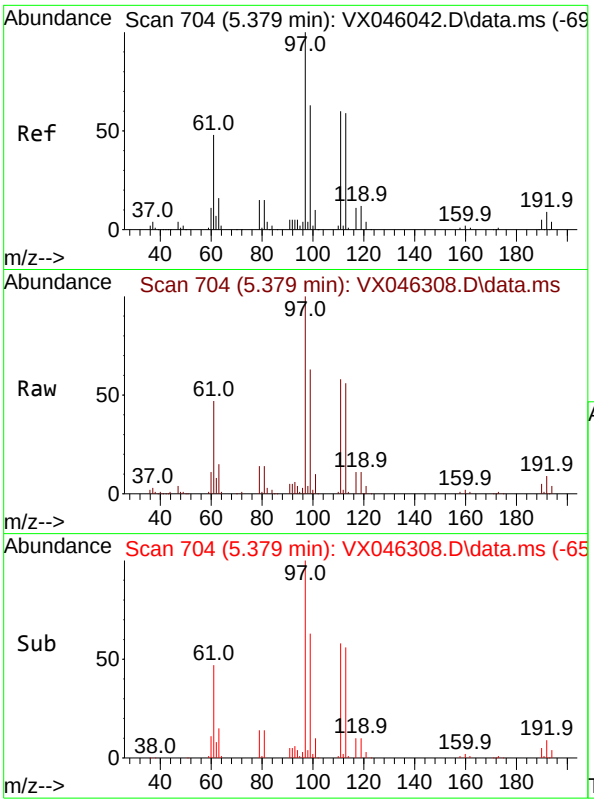


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:114 Resp: 146227

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	49.2
88	16.7	0.0	33.6

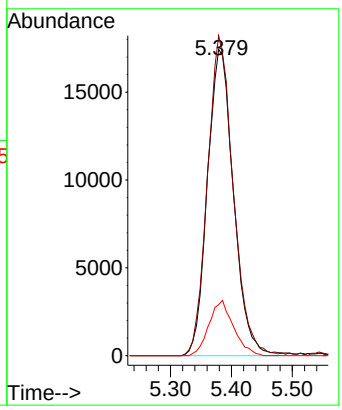




#35
Dibromofluoromethane
Concen: 49.170 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:113 Resp: 5177

Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.1	124.7
192	17.0	13.3	19.9



Instrument :
MSVOA_X
ClientSampleId :
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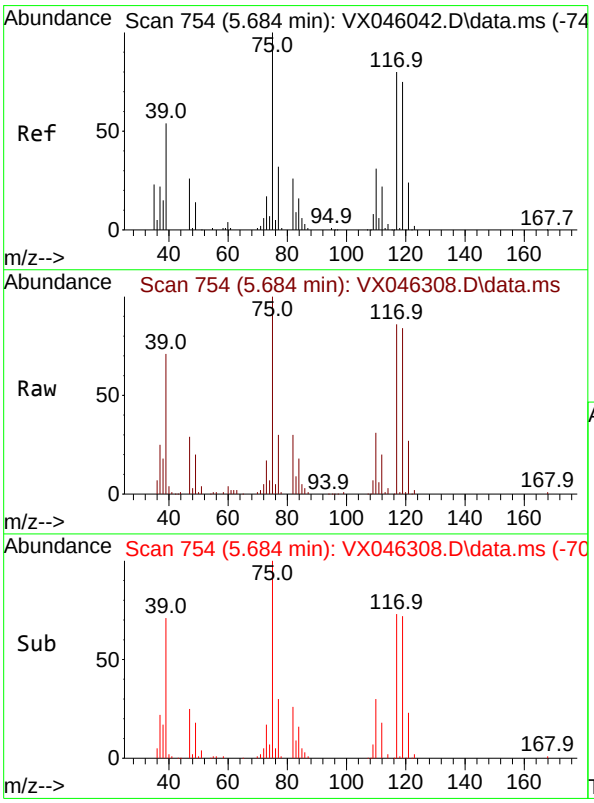
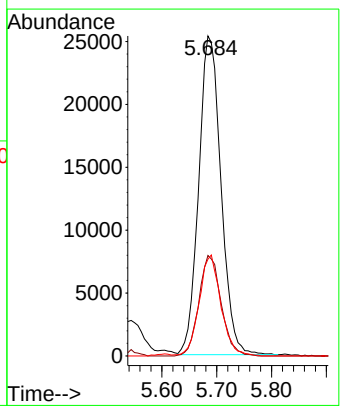
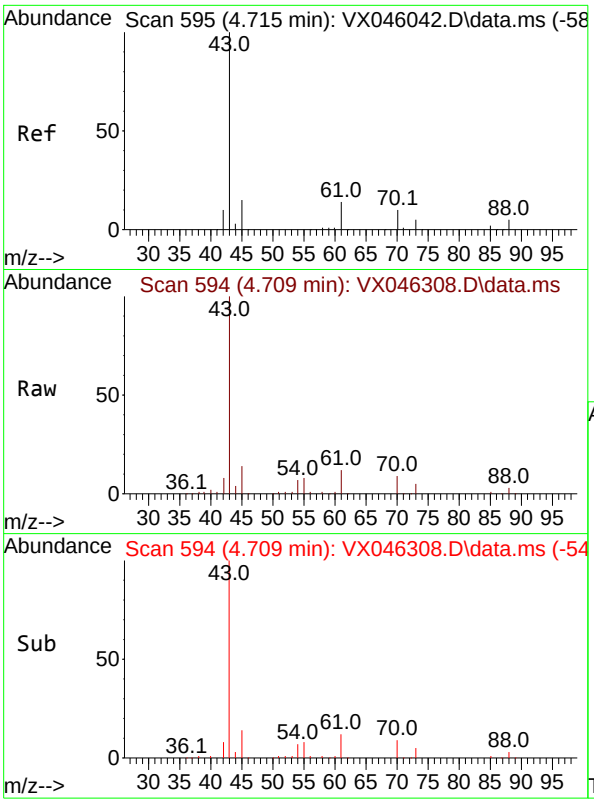


#36
1,1-Dichloropropene
Concen: 50.520 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 75 Resp: 71475

Ion	Ratio	Lower	Upper
75	100		
110	31.5	16.3	48.9
77	30.9	24.3	36.5

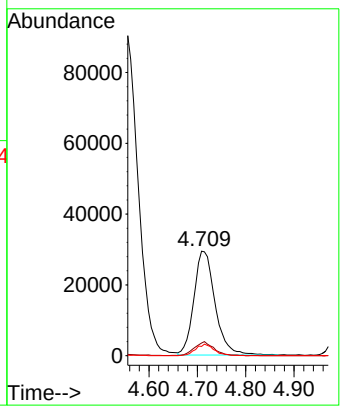




#37
Ethyl Acetate
Concen: 51.009 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 43 Resp: 8916

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	9.8	7.9	11.9



Instrument :
MSVOA_X
ClientSampleId :
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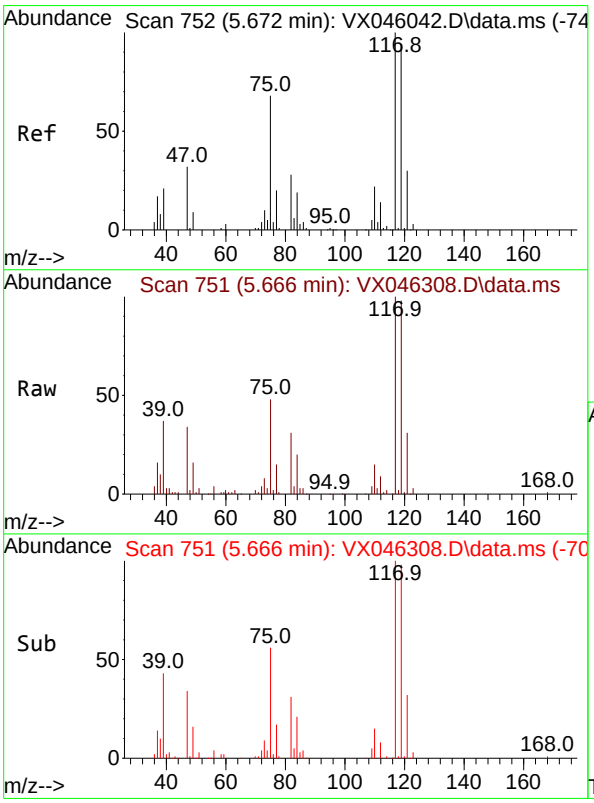
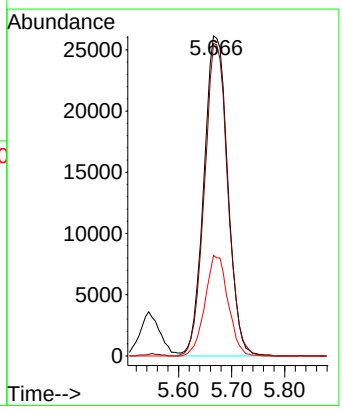
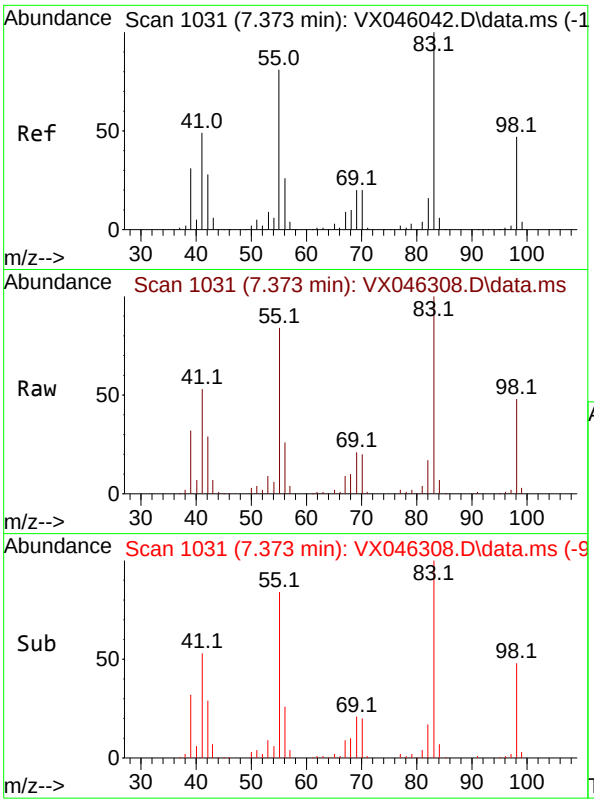


#38
Carbon Tetrachloride
Concen: 51.425 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:117 Resp: 81748

Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.2	112.8
121	31.4	24.2	36.4

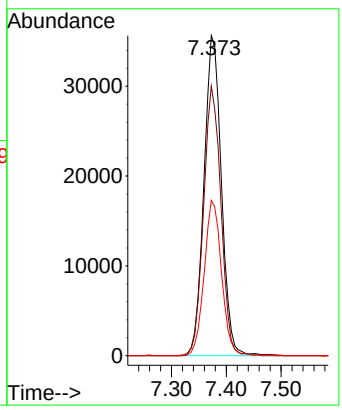




#39
Methylcyclohexane
Concen: 43.156 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 83 Resp: 7860

Ion	Ratio	Lower	Upper
83	100		
55	84.3	64.7	97.1
98	48.5	37.4	56.2



Instrument :
MSVOA_X
ClientSampleId :
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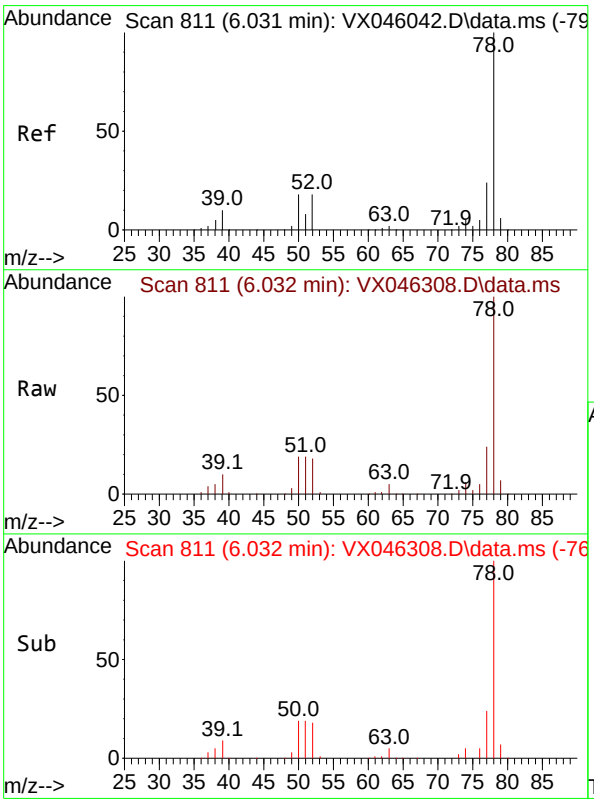
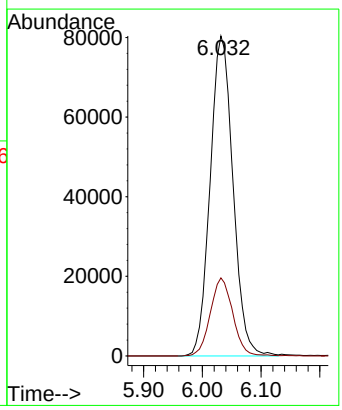
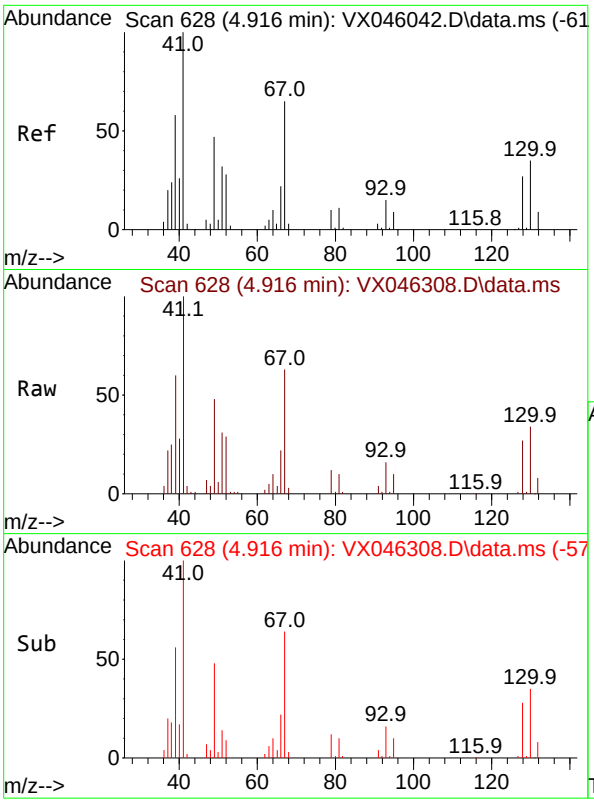


#40
Benzene
Concen: 52.408 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 78 Resp: 217183

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4

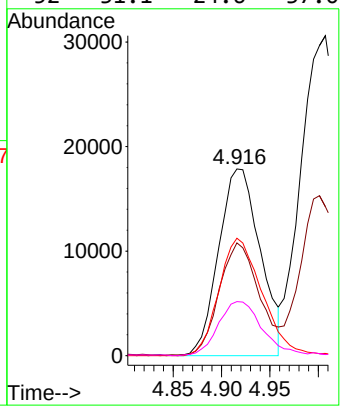




#41
Methacrylonitrile
Concen: 58.646 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 41 Resp: 5362

Ion	Ratio	Lower	Upper
41	100		
39	58.2	47.2	70.8
67	65.6	50.7	76.1
52	31.1	24.6	37.0



Instrument :
MSVOA_X
ClientSampleId :
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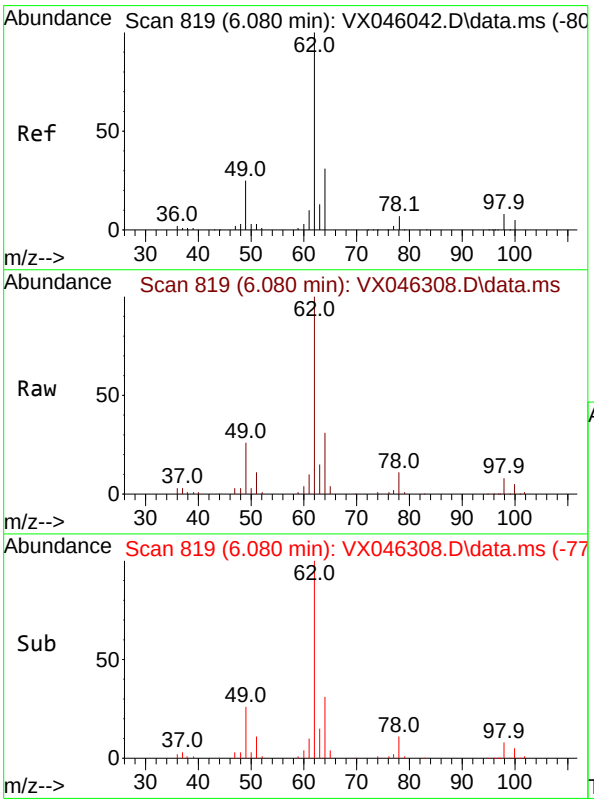
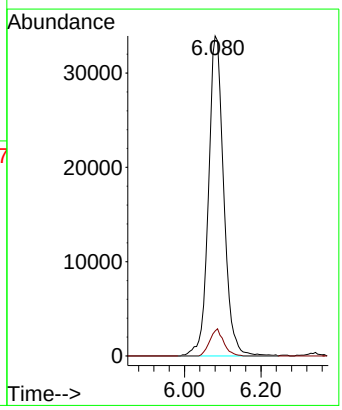
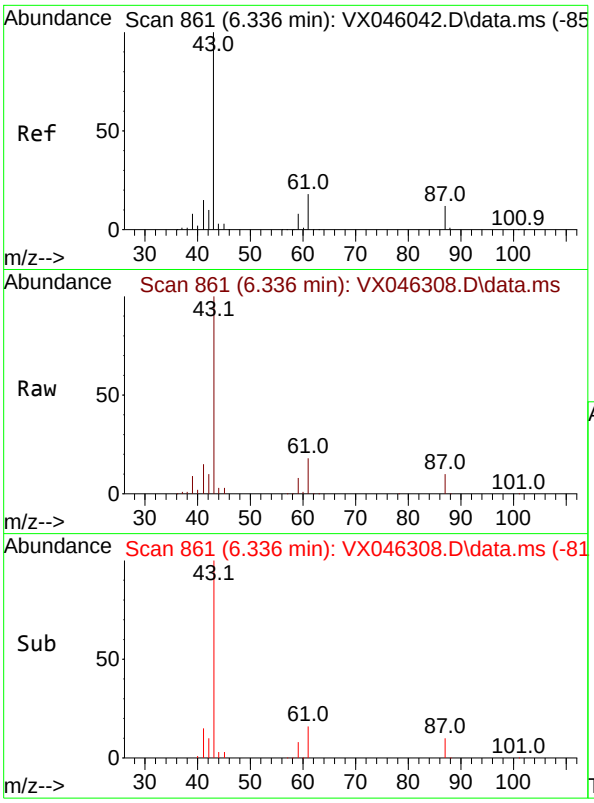


#42
1,2-Dichloroethane
Concen: 52.580 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 62 Resp: 94041

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.2





#43
Isopropyl Acetate
Concen: 53.891 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 43 Resp: 14370

Ion	Ratio	Lower	Upper
43	100		
61	17.3	14.3	21.5
87	11.6	9.5	14.3

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Manual Integrations
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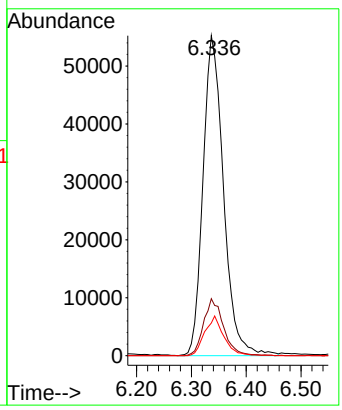
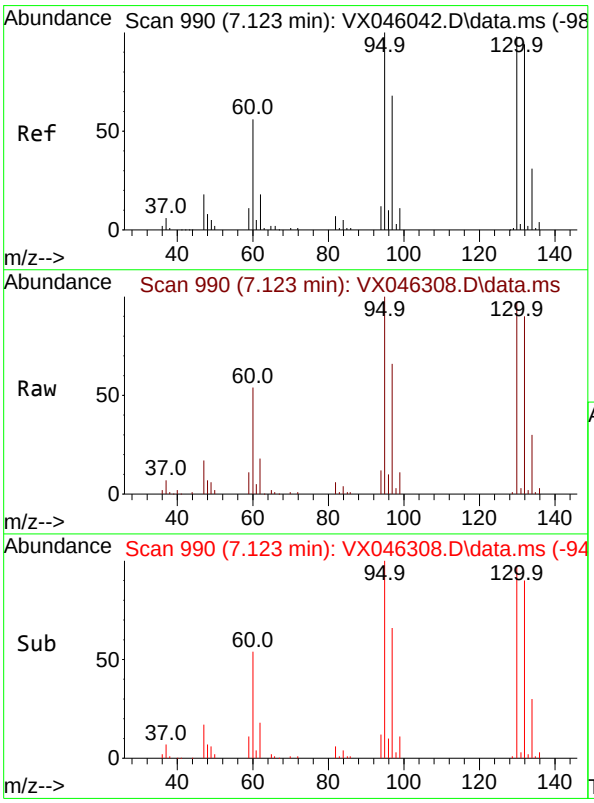
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

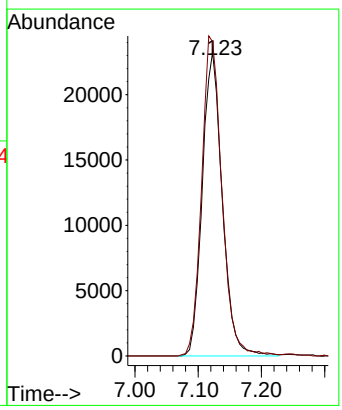


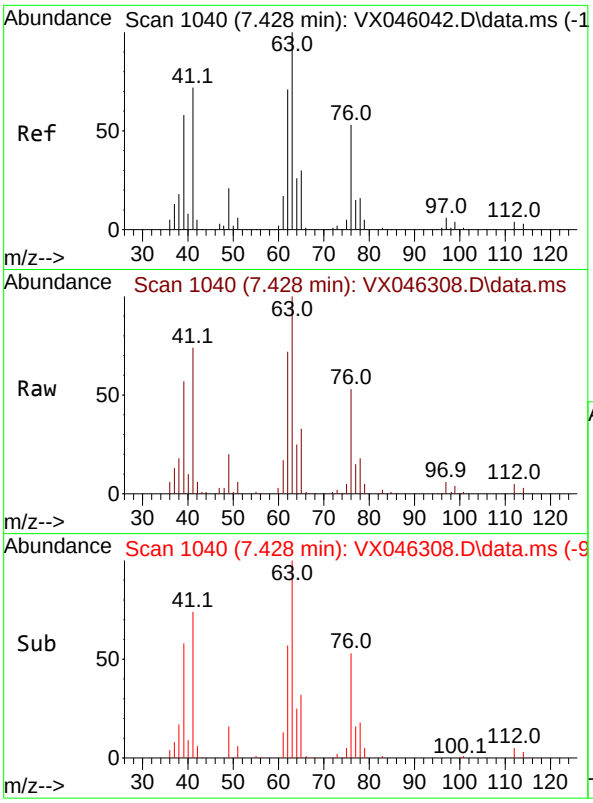


#44
Trichloroethene
Concen: 51.247 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:130 Resp: 51114

Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	204.2

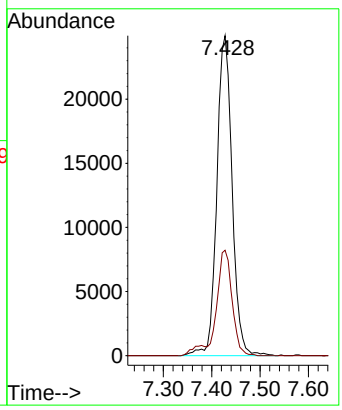




#45
1,2-Dichloropropane
Concen: 53.171 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 63 Resp: 5479

Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.1	36.1



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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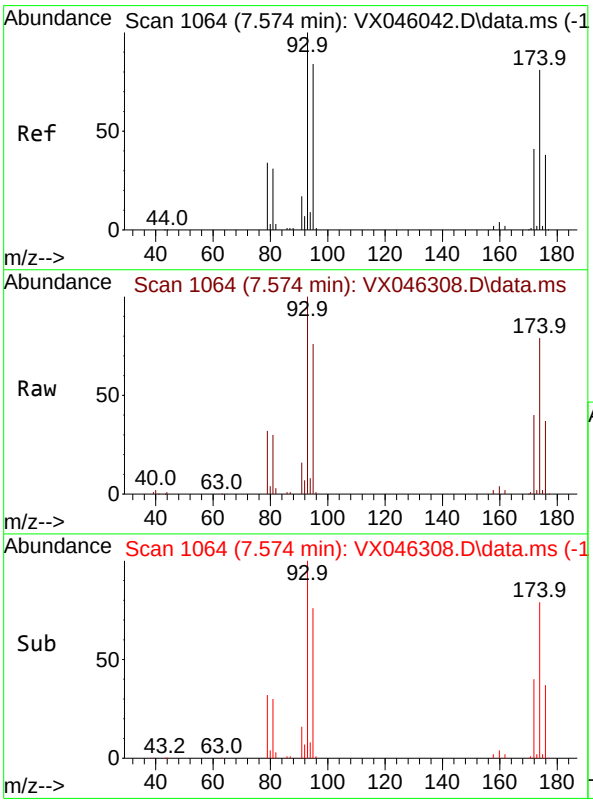
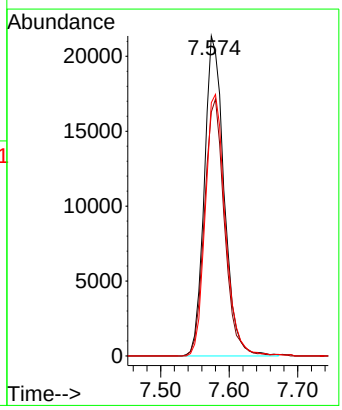
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

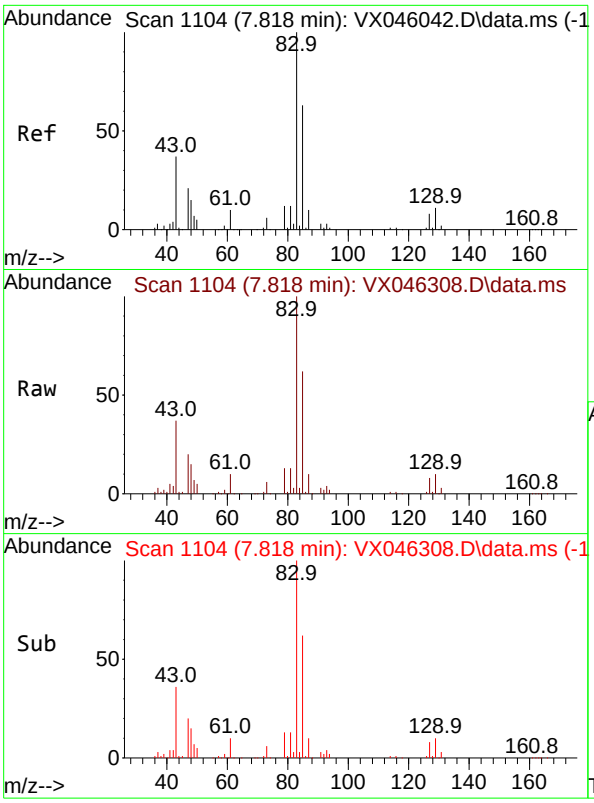


#46
Dibromomethane
Concen: 52.644 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 93 Resp: 42785

Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.6	98.4
174	82.9	68.2	102.2

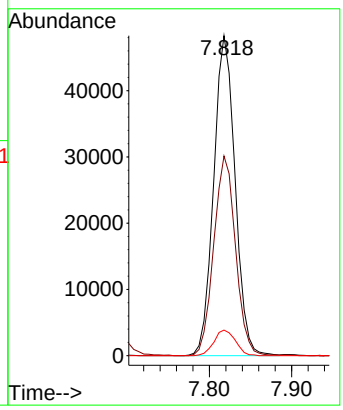




#47
Bromodichloromethane
Concen: 54.637 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 83 Resp: 8745

Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.5	75.7
127	8.0	6.5	9.7



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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Reviewed By :John Carlone 05/22/2025
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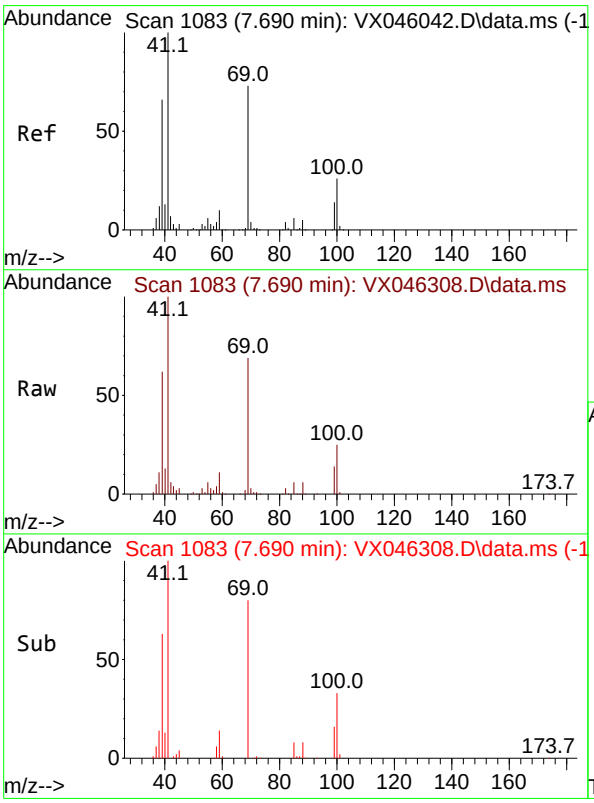
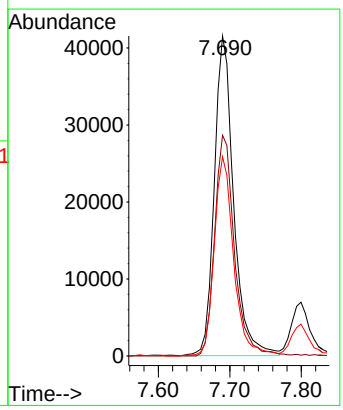
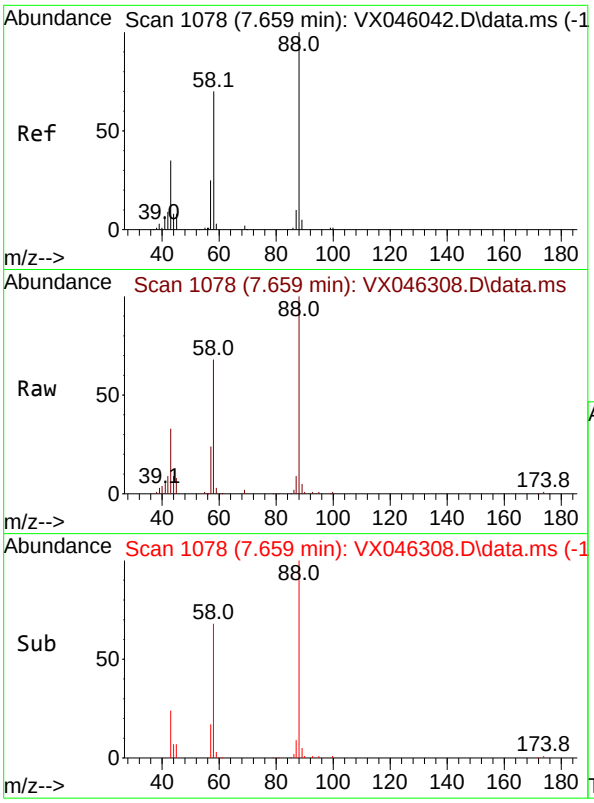


#48
Methyl methacrylate
Concen: 57.222 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 41 Resp: 77929

Ion	Ratio	Lower	Upper
41	100		
69	70.9	58.5	87.7
39	63.0	51.7	77.5

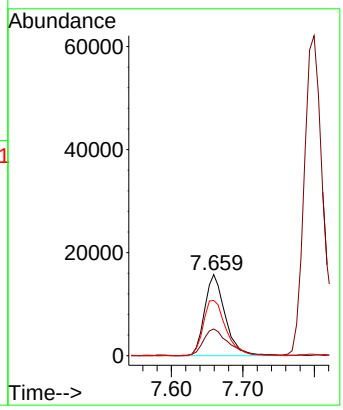




#49
1,4-Dioxane
Concen: 1210.825 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 88 Resp: 3131

Ion	Ratio	Lower	Upper
88	100		
43	41.3	33.4	50.2
58	75.3	58.6	88.0



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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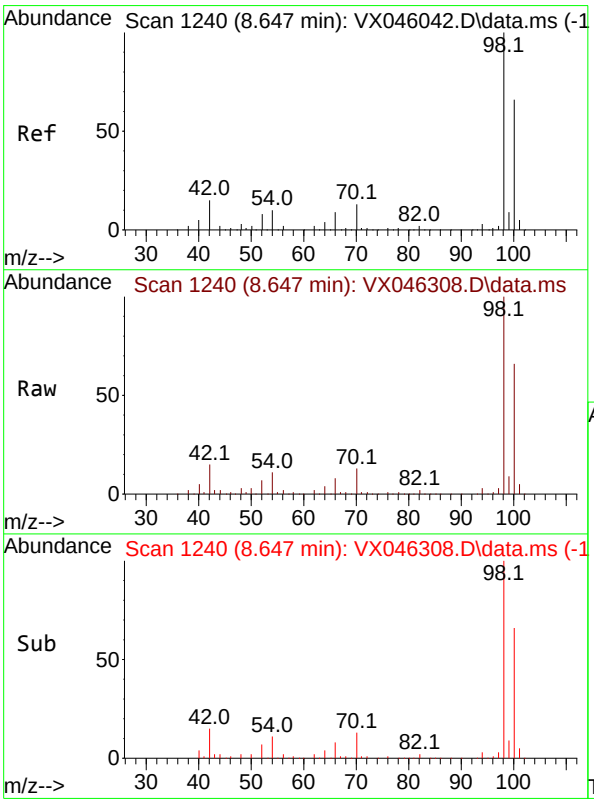
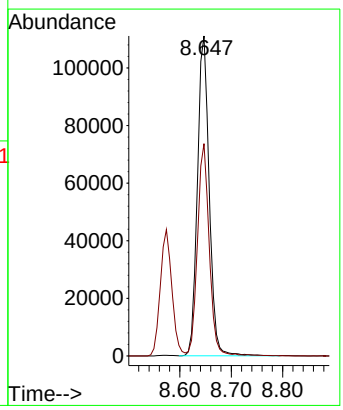
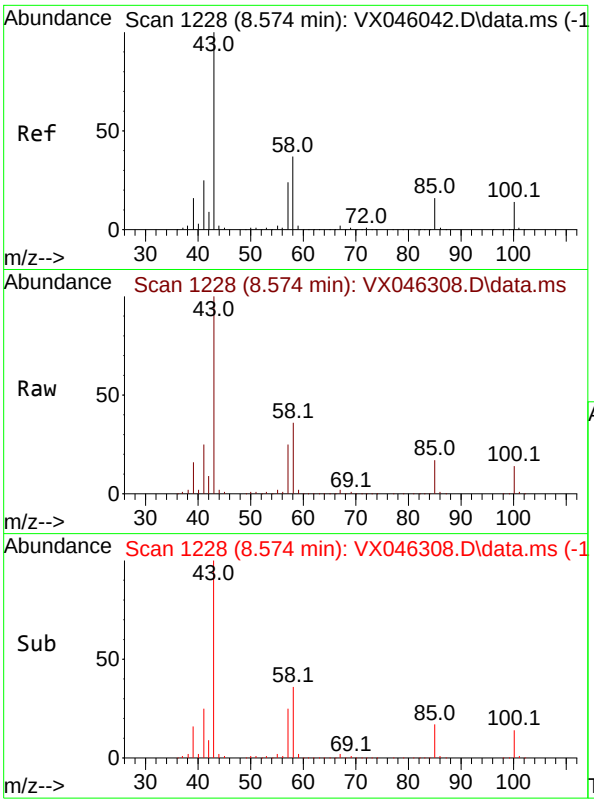


#50
Toluene-d8
Concen: 48.662 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 98 Resp: 177350

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.5	80.3

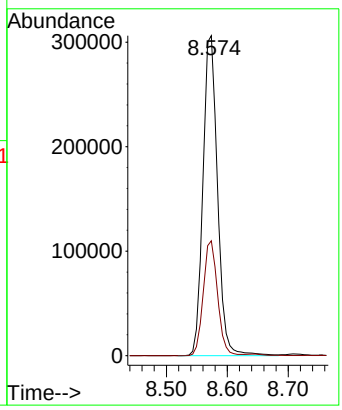




#51
4-Methyl-2-Pentanone
Concen: 287.904 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 43 Resp: 50961

Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.9	43.3



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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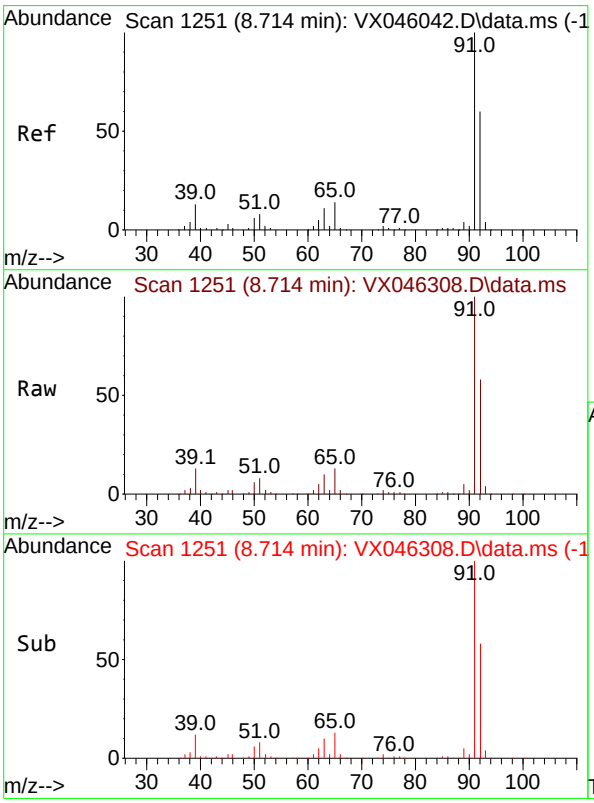
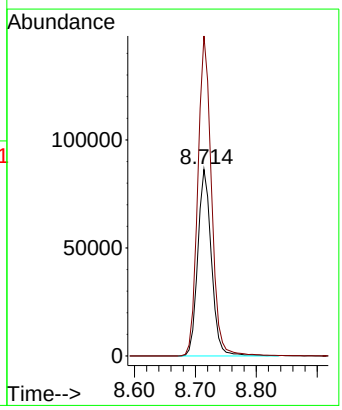
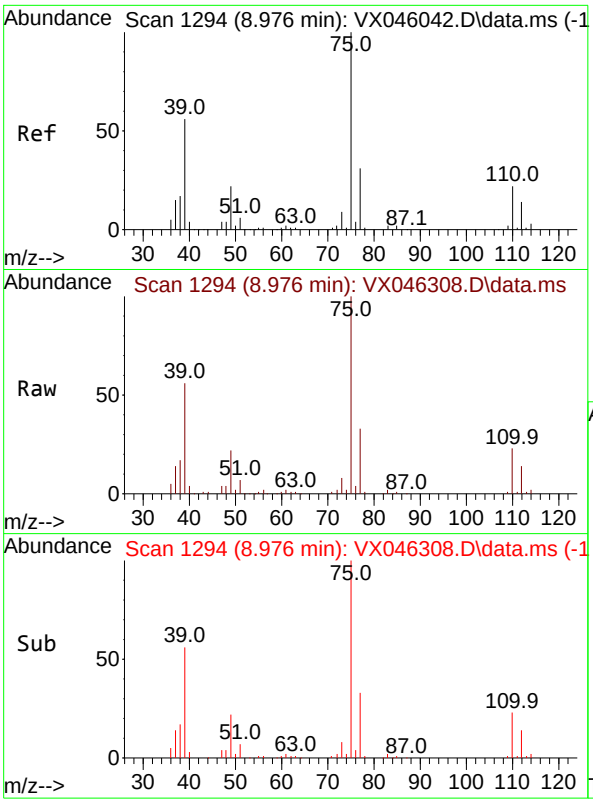


#52
Toluene
Concen: 52.817 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 92 Resp: 134212

Ion	Ratio	Lower	Upper
92	100		
91	171.7	136.6	205.0

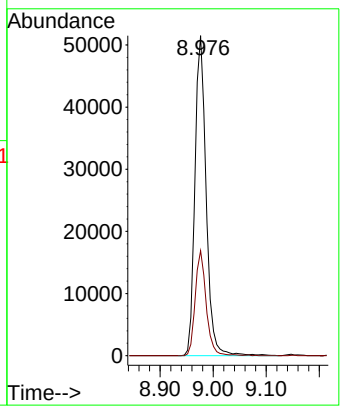




#53
t-1,3-Dichloropropene
Concen: 53.005 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 75 Resp: 7541

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.0	37.6



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Manual Integrations
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Reviewed By :John Carlone 05/22/2025
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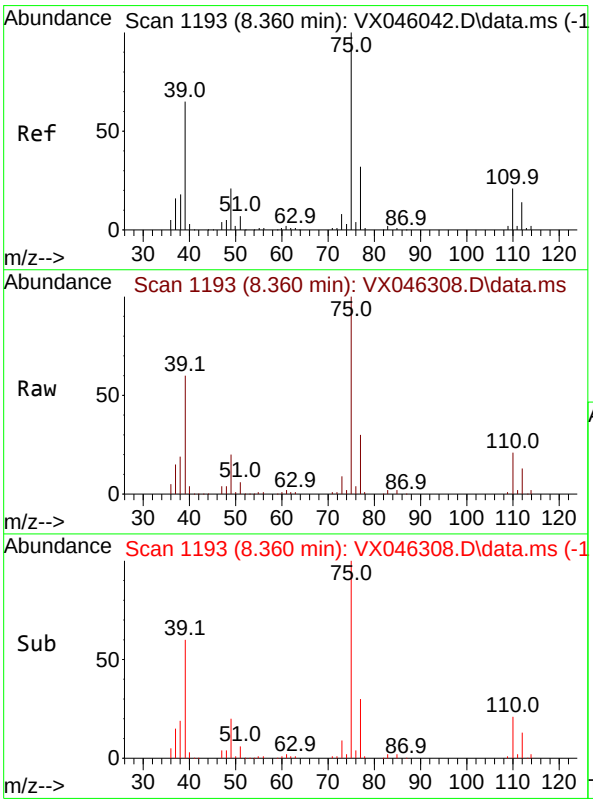
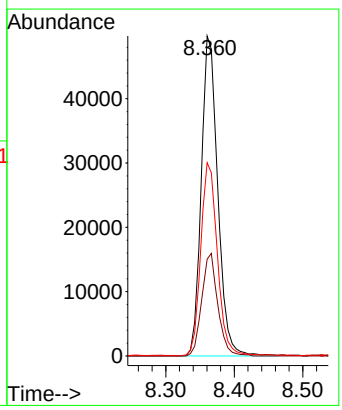
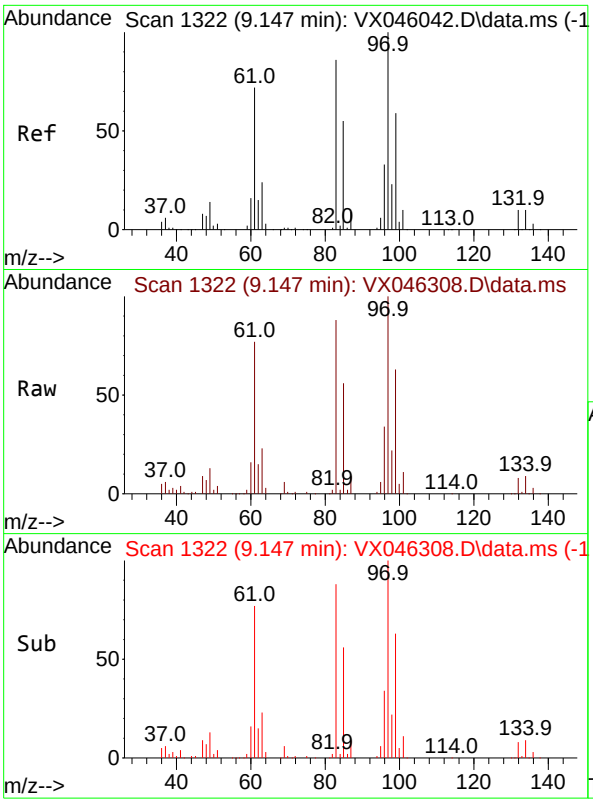


#54
cis-1,3-Dichloropropene
Concen: 53.119 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 75 Resp: 83532

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.4	38.0
39	60.4	52.2	78.4

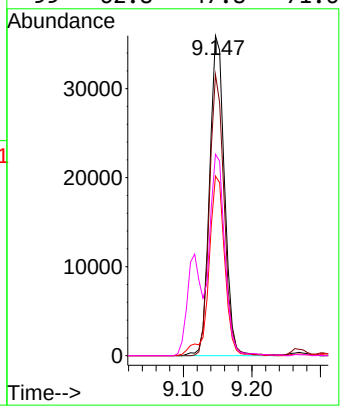




#55
1,1,2-Trichloroethane
Concen: 54.415 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 97 Resp: 5452

Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.0	103.6
85	56.1	44.3	66.5
99	62.8	47.8	71.6



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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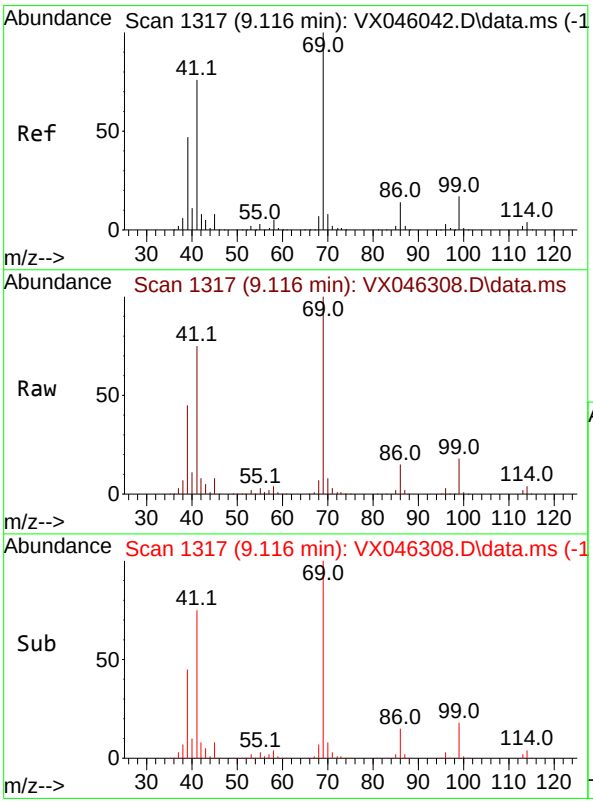
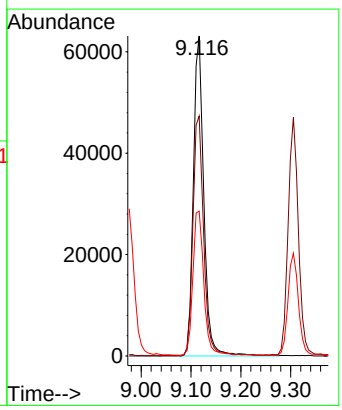
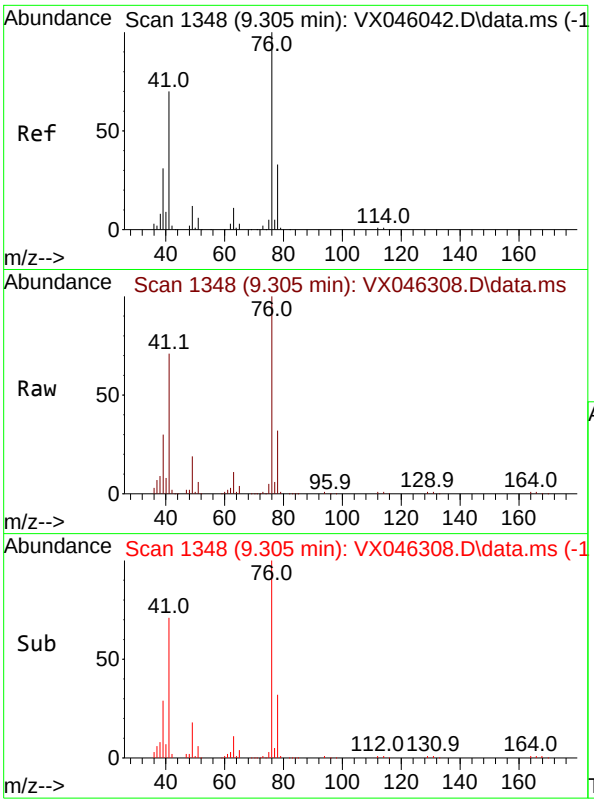


#56
Ethyl methacrylate
Concen: 57.344 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 69 Resp: 91572

Ion	Ratio	Lower	Upper
69	100		
41	76.9	60.8	91.2
39	47.0	39.0	58.6

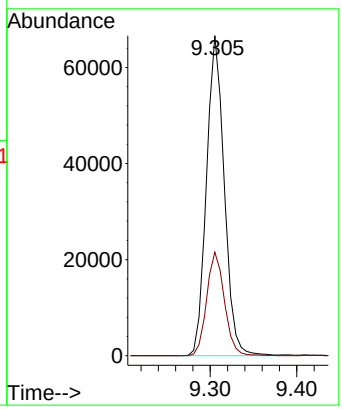




#57
1,3-Dichloropropane
Concen: 52.744 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 76 Resp: 9490

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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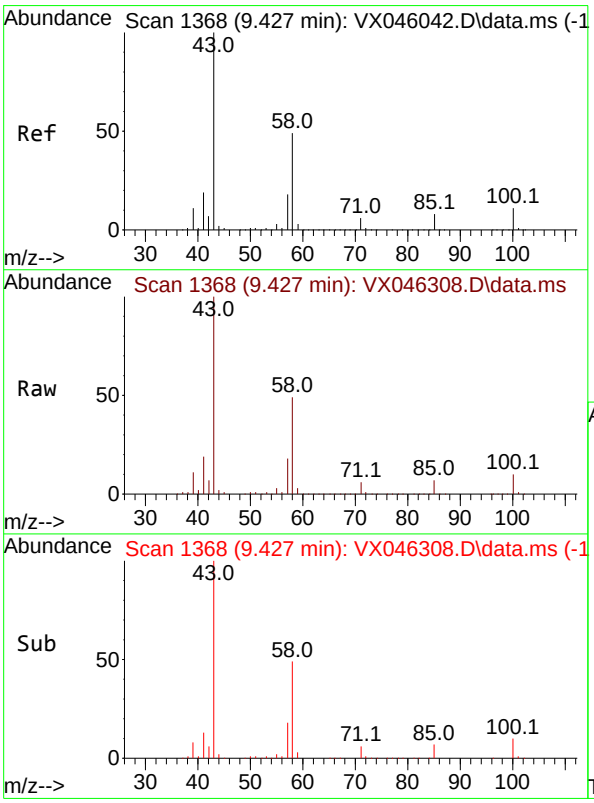
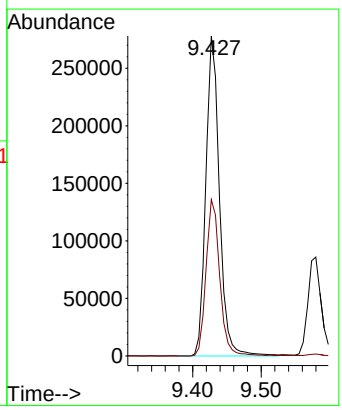
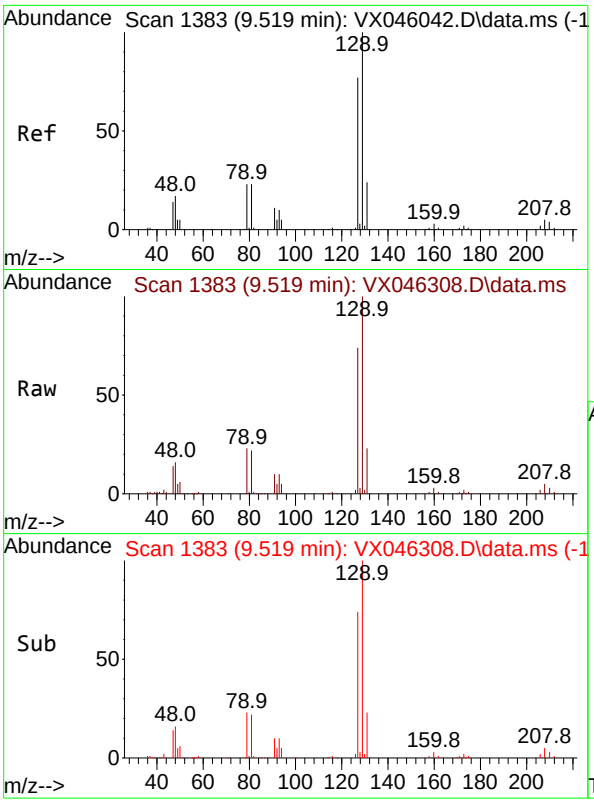


#59
2-Hexanone
Concen: 293.071 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 43 Resp: 383797

Ion	Ratio	Lower	Upper
43	100		
58	49.4	24.9	74.6

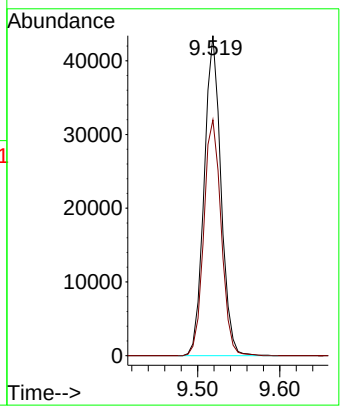




#60
Dibromochloromethane
Concen: 55.926 ug/l
RT: 9.519 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:129 Resp: 6153

Ion	Ratio	Lower	Upper
129	100		
127	76.1	39.3	117.8



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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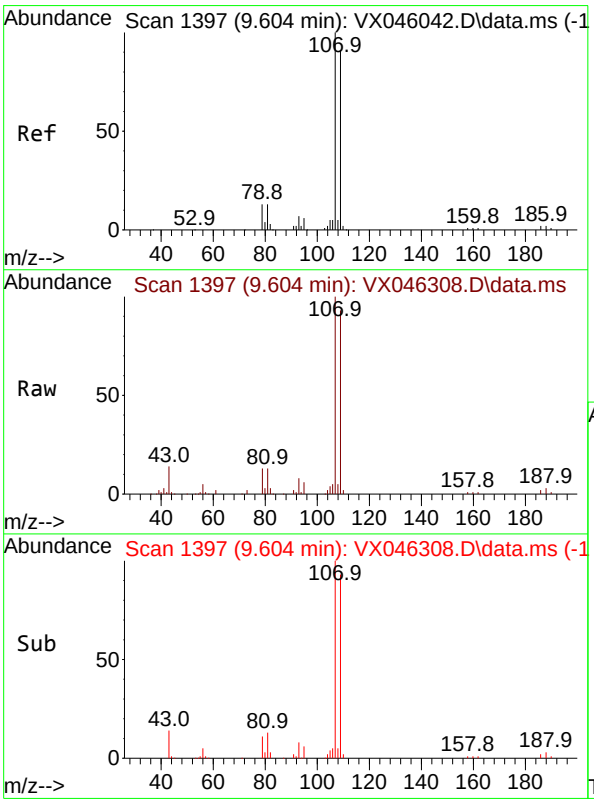
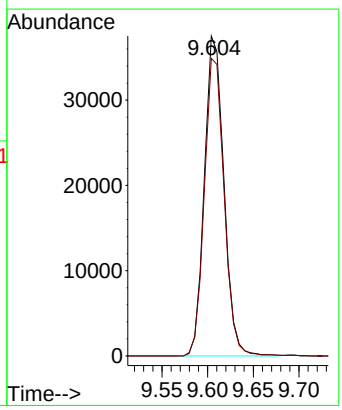
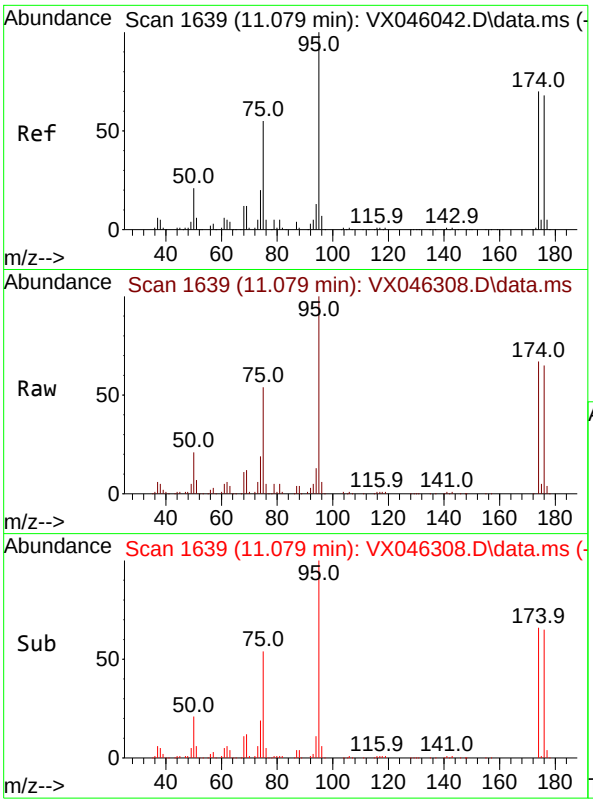


#61
1,2-Dibromoethane
Concen: 53.390 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:107 Resp: 55600

Ion	Ratio	Lower	Upper
107	100		
109	94.5	73.3	109.9

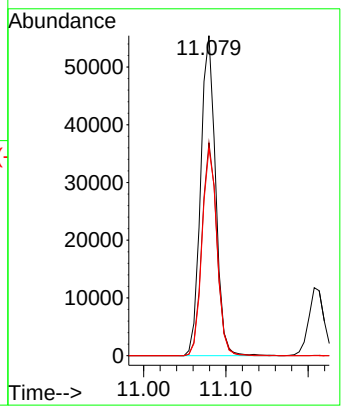




#62
4-Bromofluorobenzene
Concen: 49.926 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 95 Resp: 6979

Ion	Ratio	Lower	Upper
95	100		
174	66.2	0.0	135.8
176	64.7	0.0	131.4



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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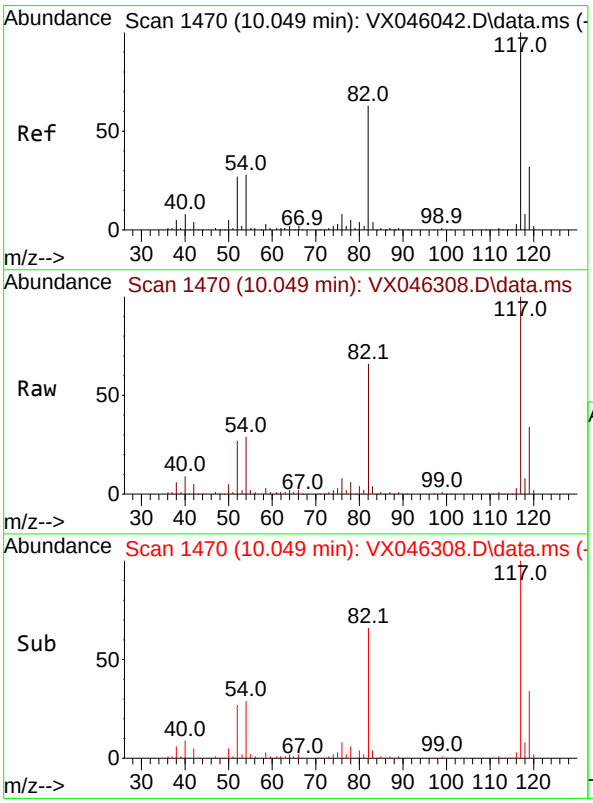
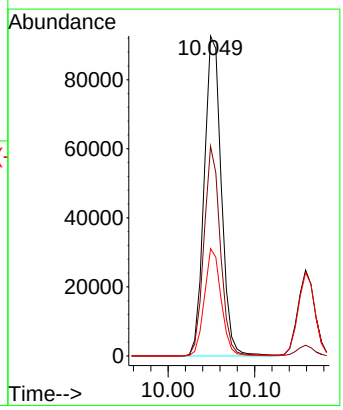
Supervised By :Mahesh Dadoda 05/22/2025

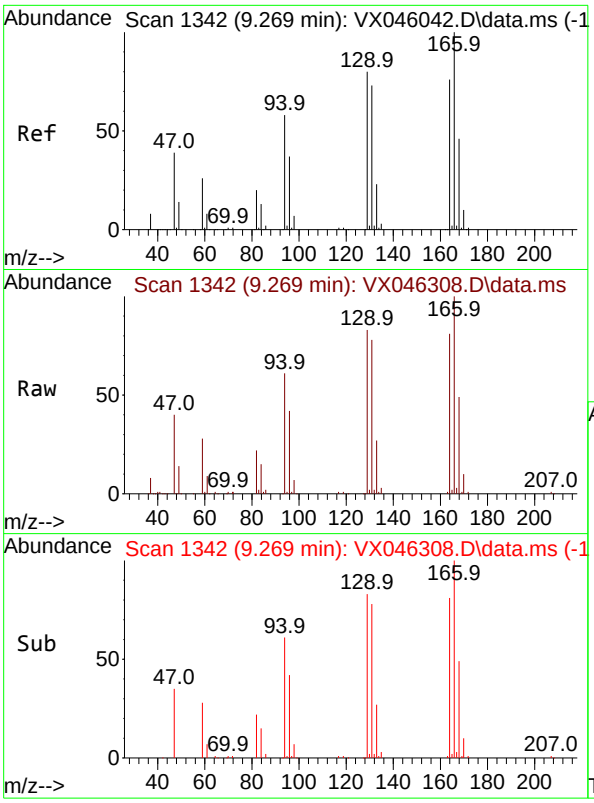


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:117 Resp: 127394

Ion	Ratio	Lower	Upper
117	100		
82	65.6	50.6	76.0
119	33.5	25.8	38.6

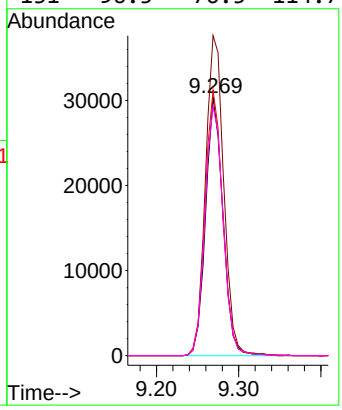




#64
Tetrachloroethene
Concen: 49.494 ug/l
RT: 9.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:164 Resp: 4461

Ion	Ratio	Lower	Upper
164	100		
166	124.0	105.0	157.6
129	102.8	83.5	125.3
131	96.5	76.5	114.7



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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Reviewed By :John Carlone 05/22/2025
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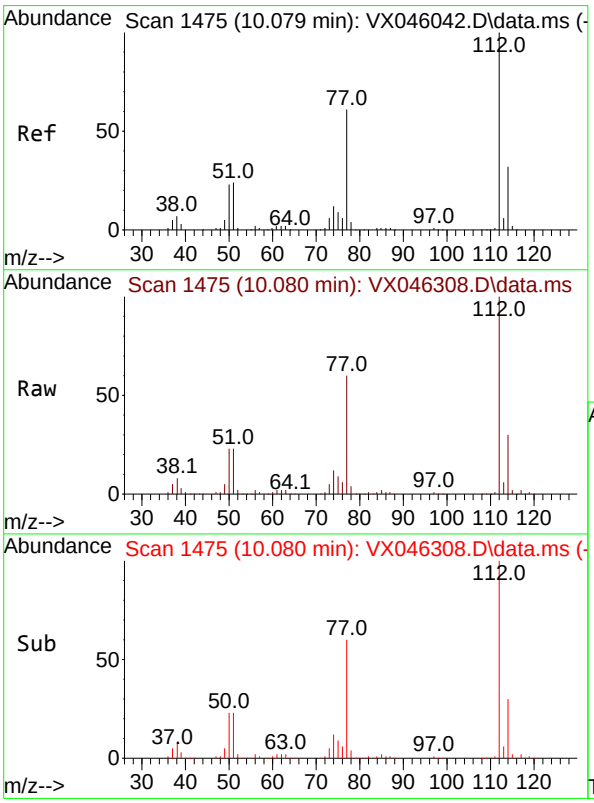
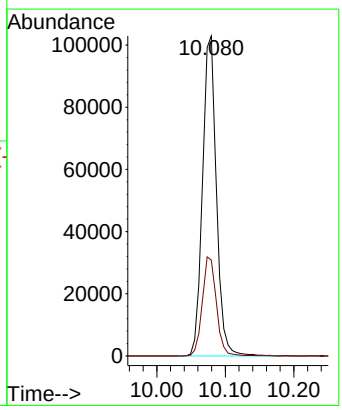
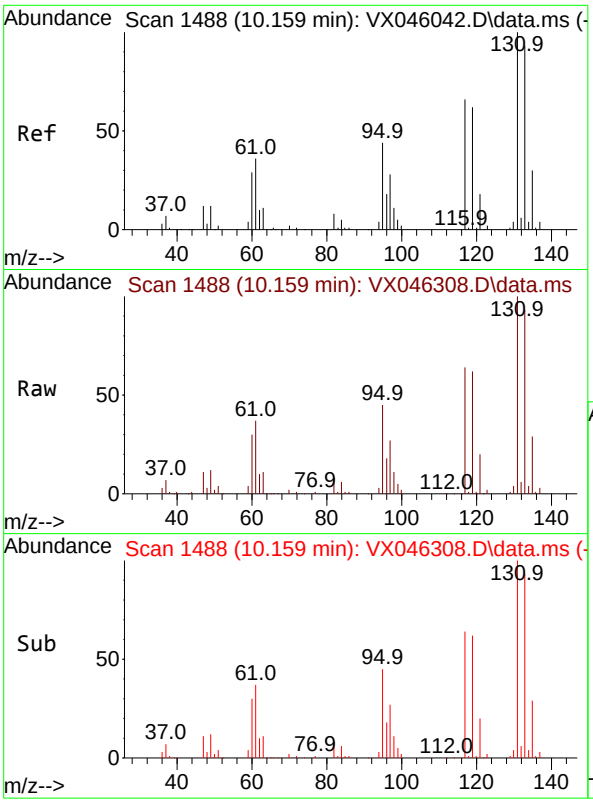


#65
Chlorobenzene
Concen: 52.183 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:112 Resp: 145504

Ion	Ratio	Lower	Upper
112	100		
114	29.9	25.4	38.2





#66
1,1,1,2-Tetrachloroethane
Concen: 54.164 ug/l
RT: 10.159 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:131 Resp: 5157

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	141.9
119	63.3	31.6	95.0

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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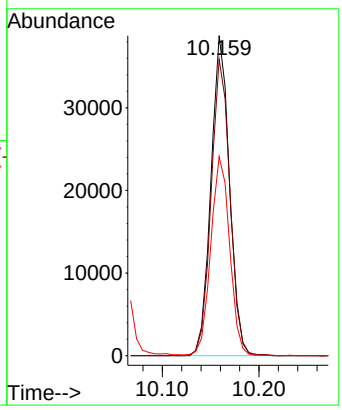
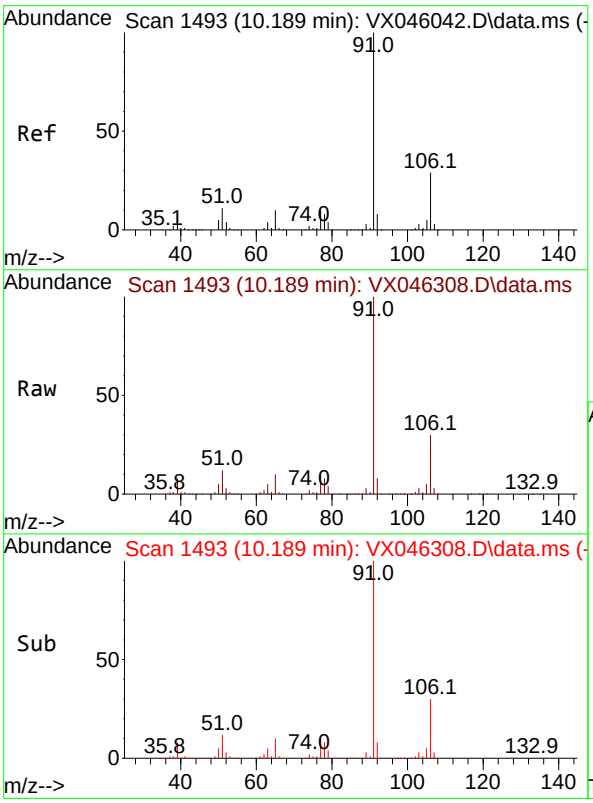
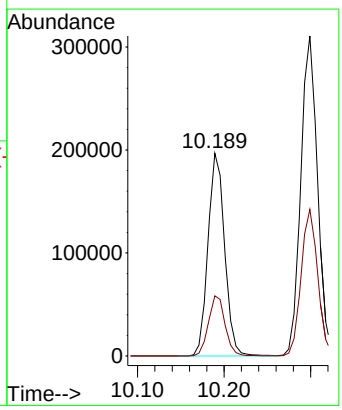


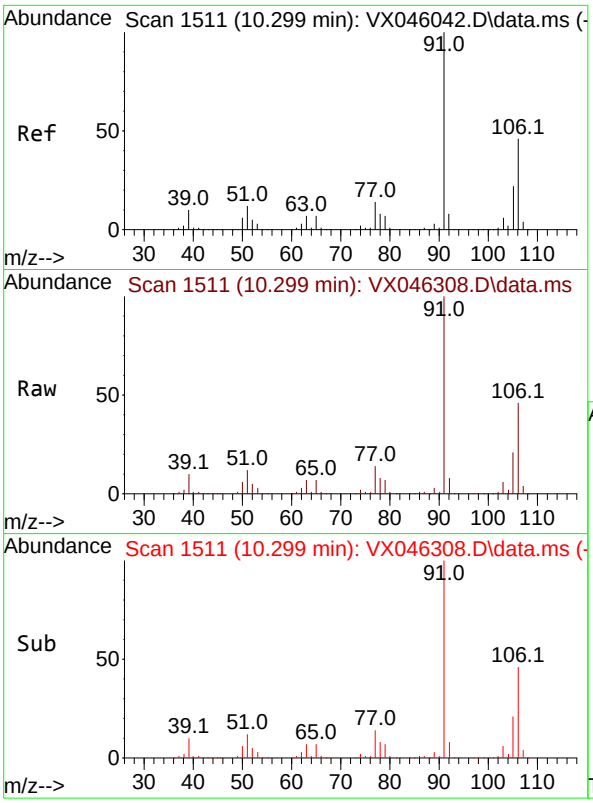


#67
Ethyl Benzene
Concen: 53.467 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 91 Resp: 262796

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.4	35.2

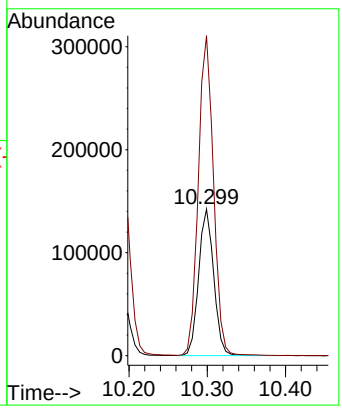




#68
m/p-Xylenes
Concen: 105.672 ug/l
RT: 10.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:106 Resp: 18996

Ion	Ratio	Lower	Upper
106	100		
91	220.3	171.2	256.8



Instrument :
MSVOA_X
ClientSampleId :
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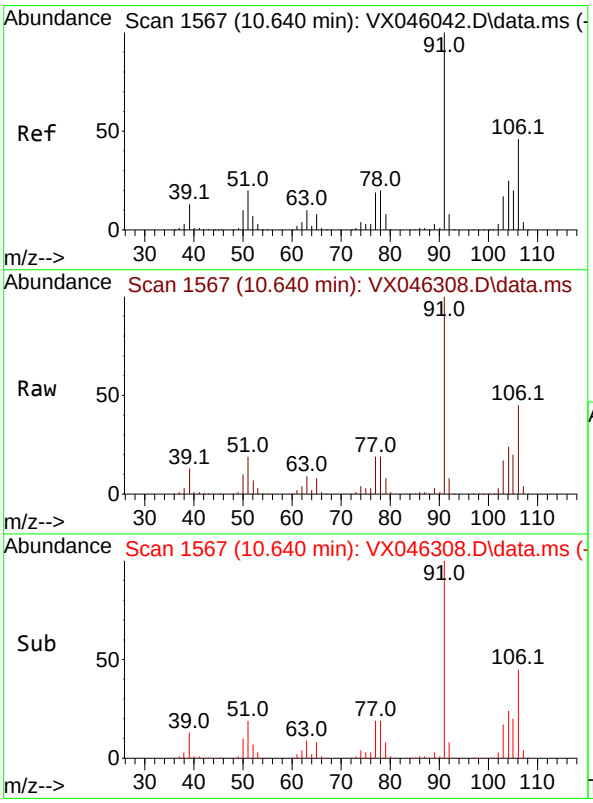
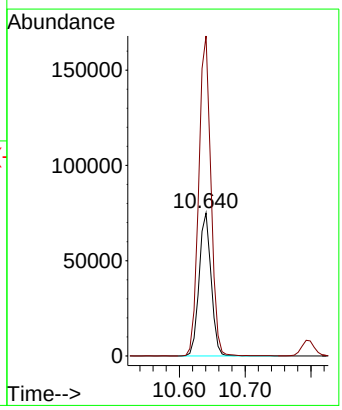
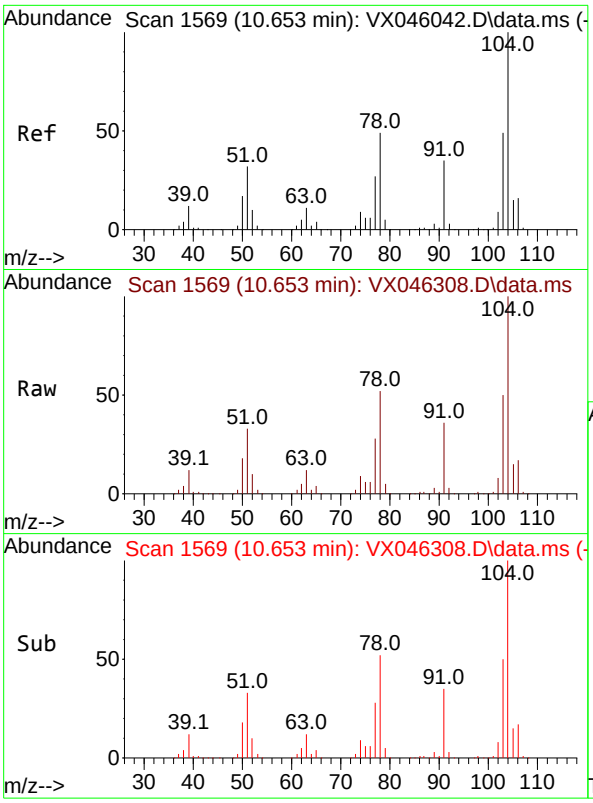


#69
o-Xylene
Concen: 54.305 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:106 Resp: 95172

Ion	Ratio	Lower	Upper
106	100		
91	226.7	112.7	338.1

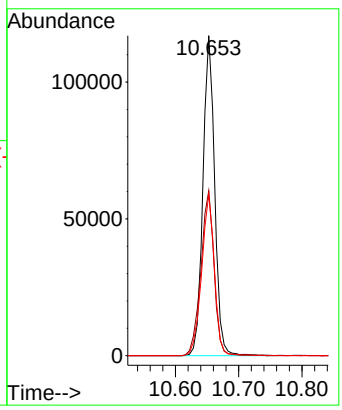




#70
Styrene
Concen: 52.763 ug/l
RT: 10.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:104 Resp: 15147

Ion	Ratio	Lower	Upper
104	100		
78	58.0	45.7	68.5
103	54.9	43.7	65.5



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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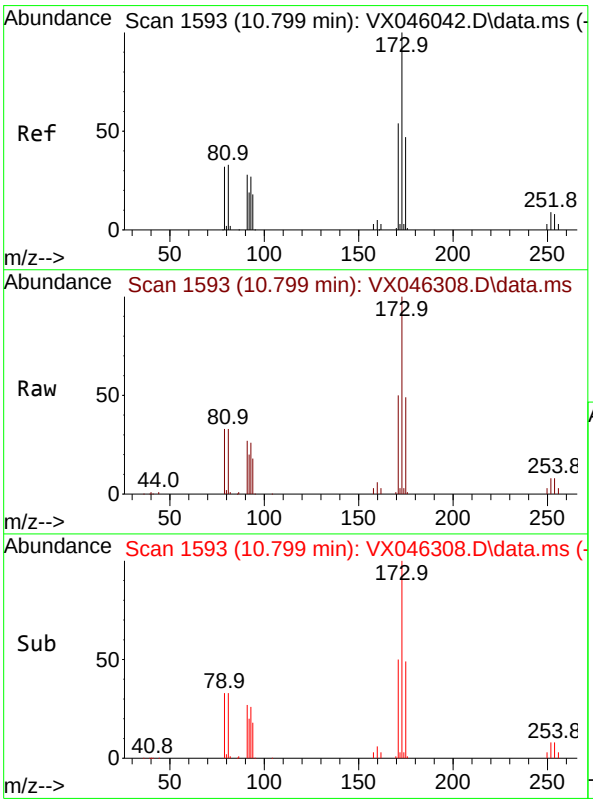
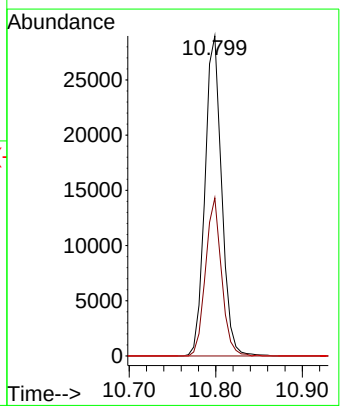
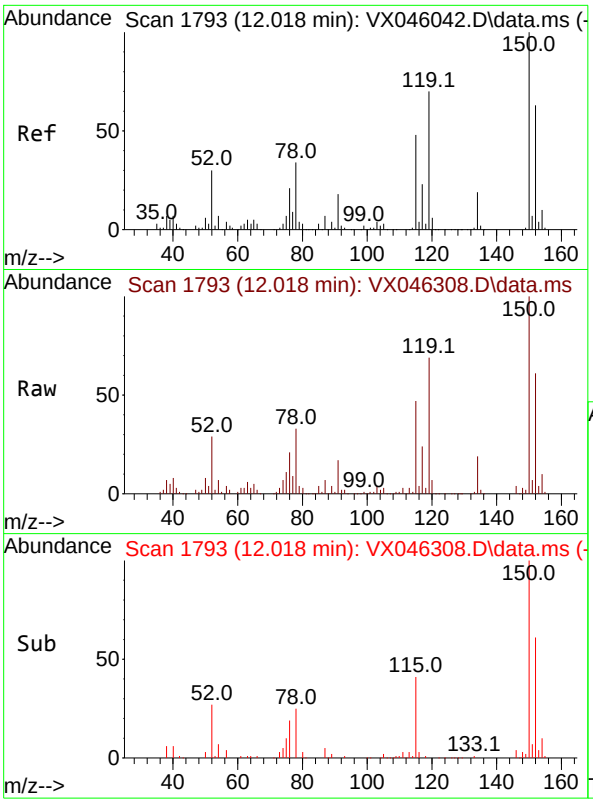


#71
Bromoform
Concen: 54.145 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:173 Resp: 38705

Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.4	70.0
254	0.0	0.0	0.0

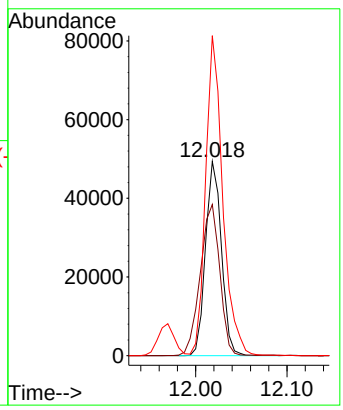




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:152 Resp: 5957

Ion	Ratio	Lower	Upper
152	100		
115	95.6	46.9	140.7
150	177.3	0.0	351.0



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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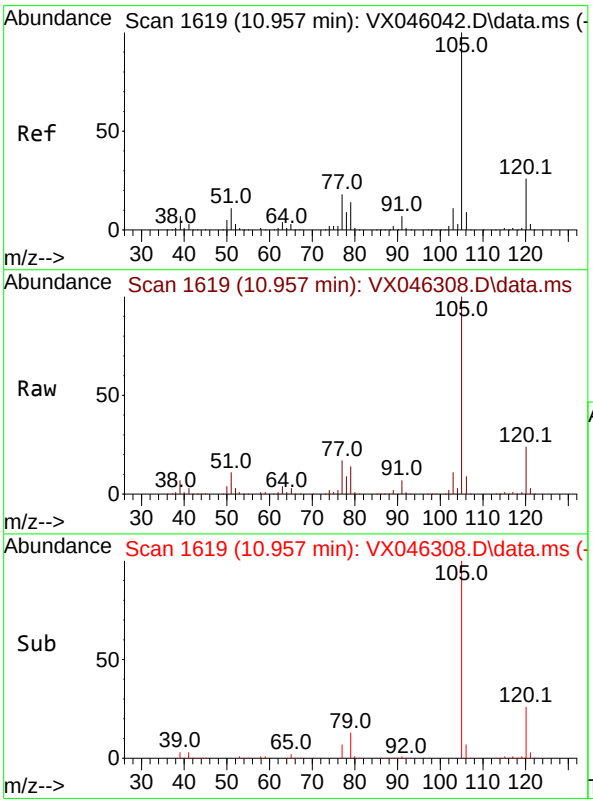
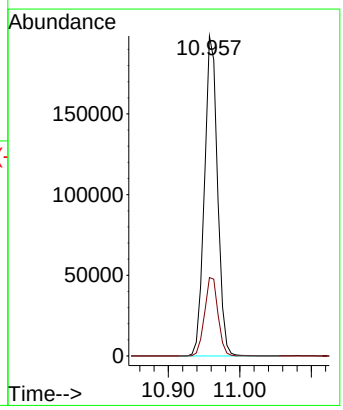
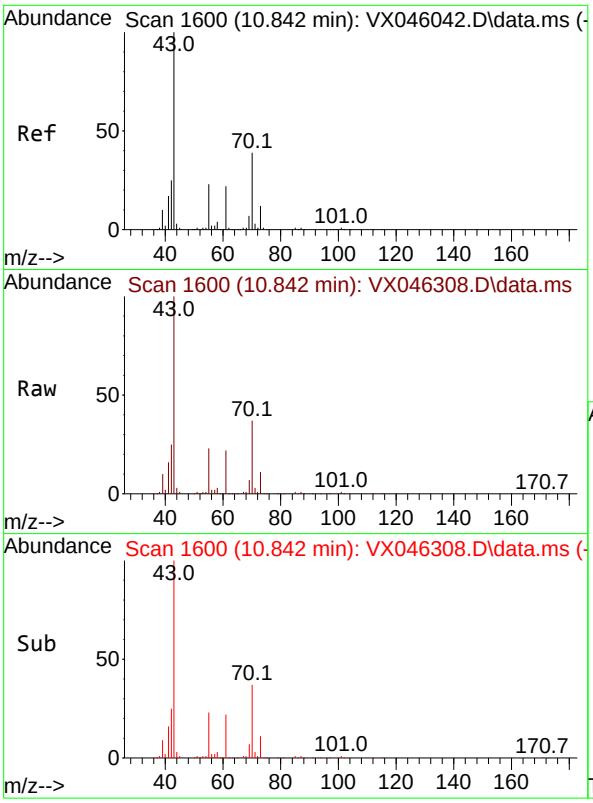


#73
Isopropylbenzene
Concen: 54.364 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:105 Resp: 252133

Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.8	38.4

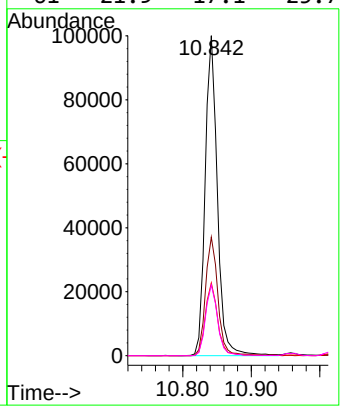




#74
N-amyl acetate
Concen: 54.075 ug/l
RT: 10.842 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 43 Resp: 12392

Ion	Ratio	Lower	Upper
43	100		
70	37.7	30.9	46.3
55	23.3	18.7	28.1
61	21.9	17.1	25.7



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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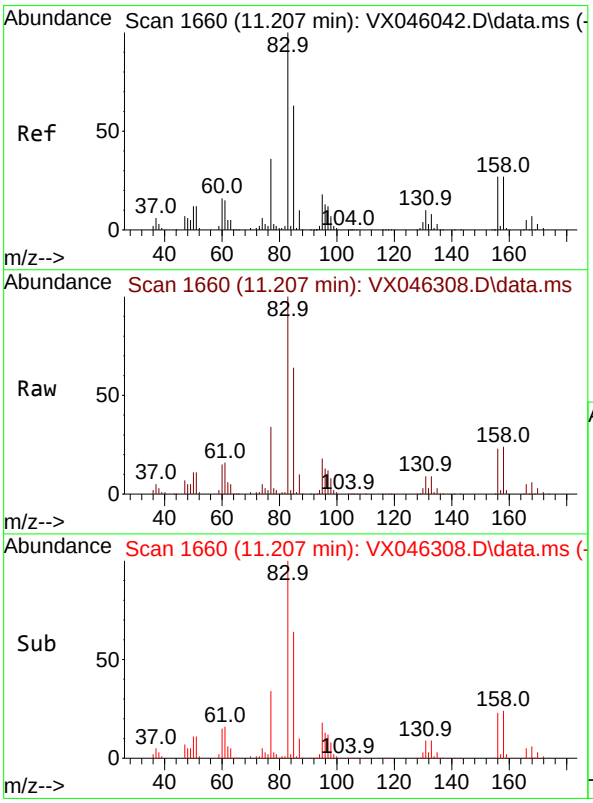
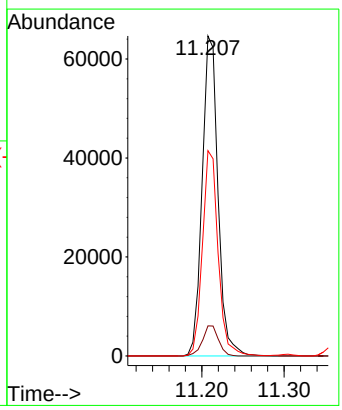
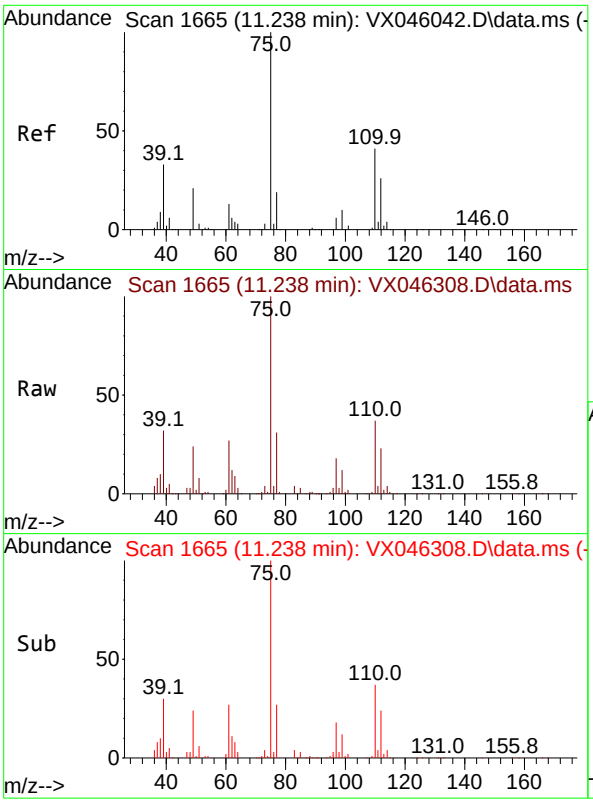


#75
1,1,2,2-Tetrachloroethane
Concen: 53.190 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 83 Resp: 86448

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	63.6	31.9	95.7





#76
1,2,3-Trichloropropane
Concen: 53.872 ug/l m
RT: 11.238 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 75 Resp: 7724

Ion	Ratio	Lower	Upper
75	100		
77	39.0	20.5	61.5

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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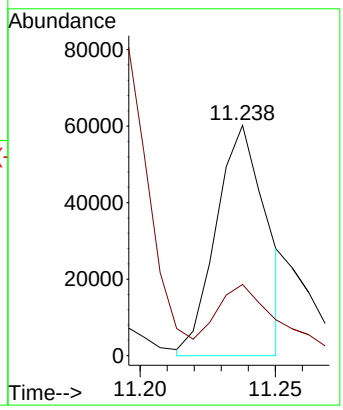
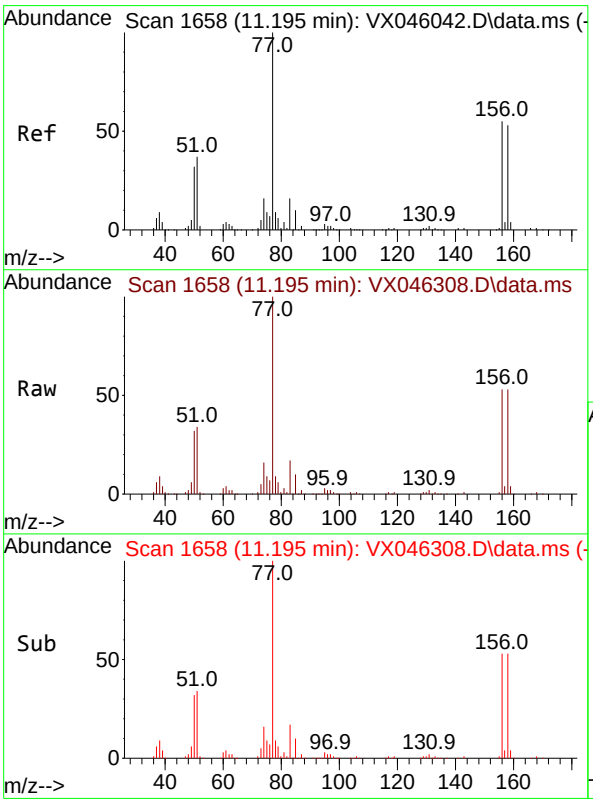
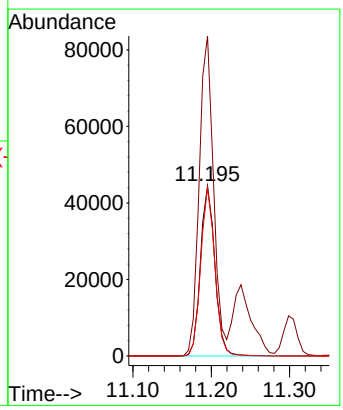


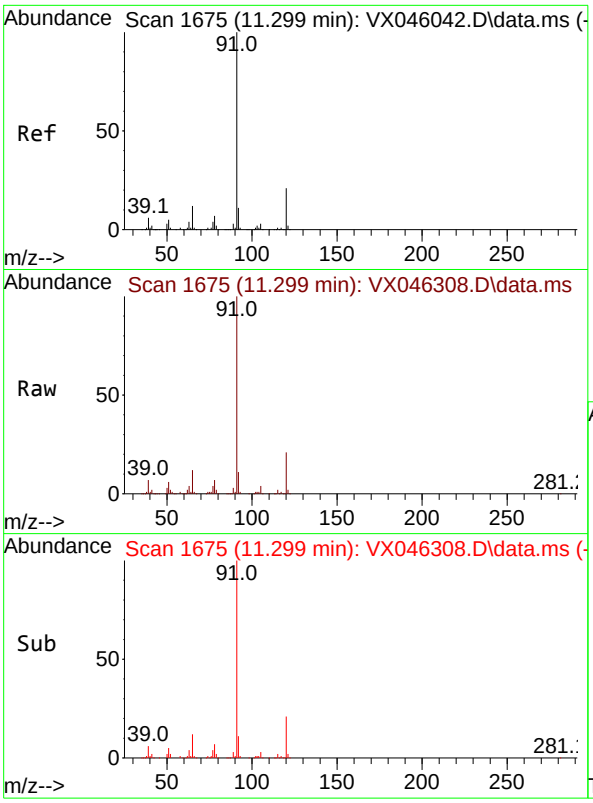


#77
Bromobenzene
Concen: 52.834 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:156 Resp: 56888

Ion	Ratio	Lower	Upper
156	100		
77	187.9	92.8	278.3
158	96.9	48.8	146.3





#78
n-propylbenzene
Concen: 54.229 ug/l
RT: 11.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 91 Resp: 29243

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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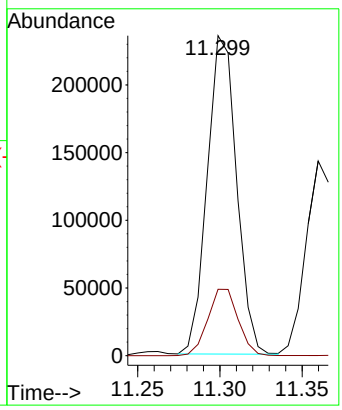
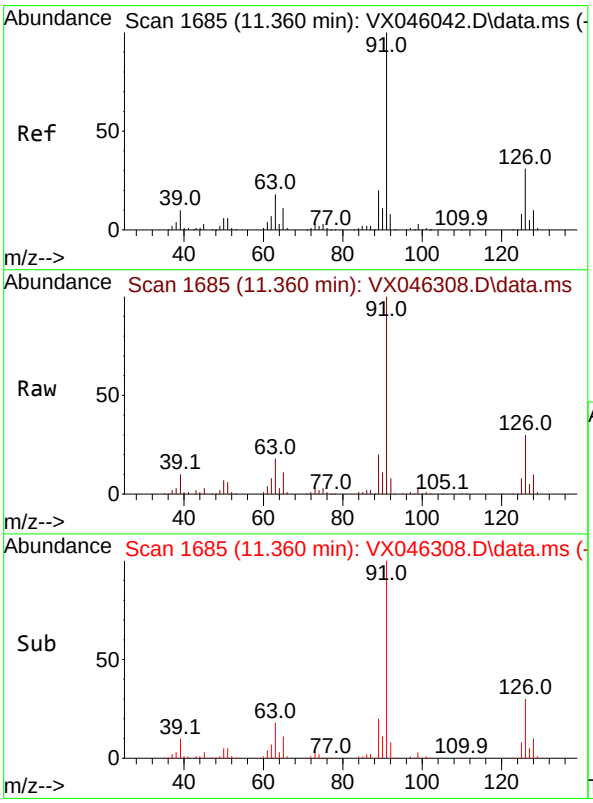
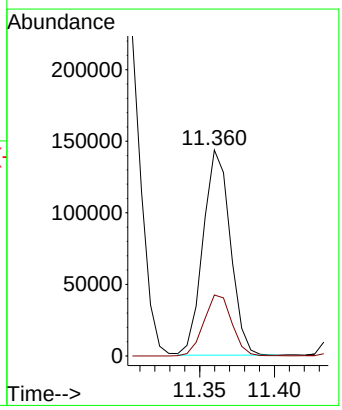


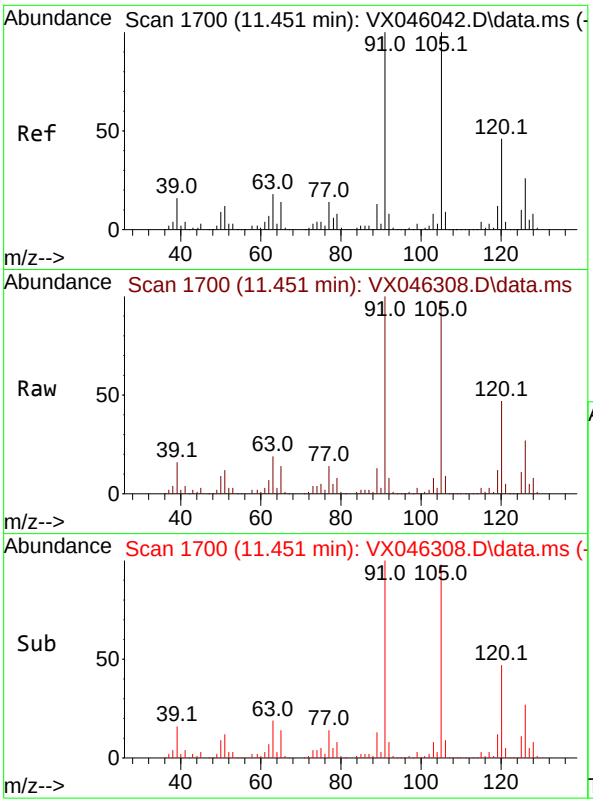


#79
2-Chlorotoluene
Concen: 52.131 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 91 Resp: 181325

Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.6	46.7





#80
1,3,5-Trimethylbenzene
Concen: 54.135 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

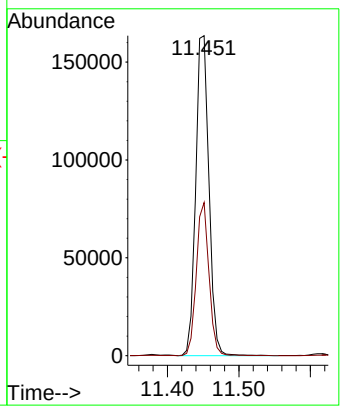
Tgt Ion:105 Resp: 20975

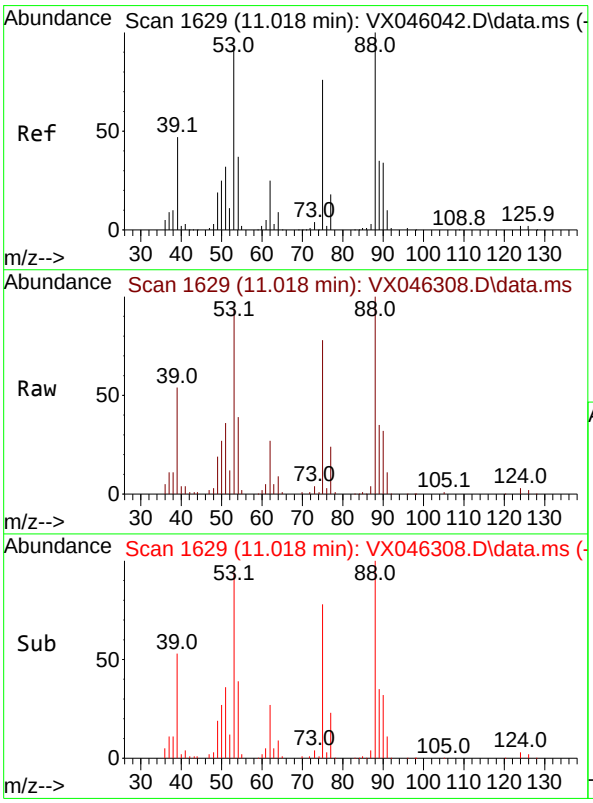
Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.1	69.2

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

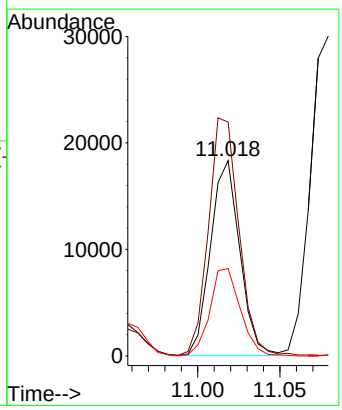


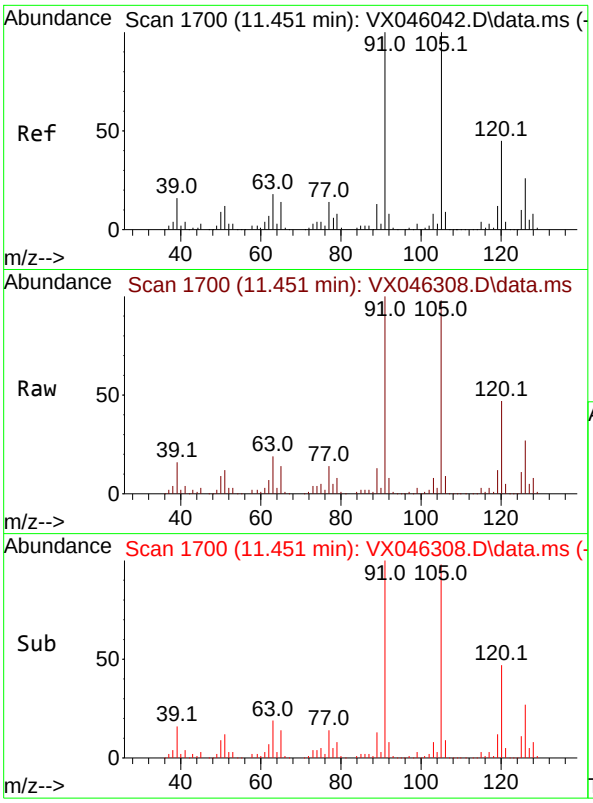


#81
trans-1,4-Dichloro-2-butene
Concen: 51.378 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 75 Resp: 22629

Ion	Ratio	Lower	Upper
75	100		
53	127.9	100.5	150.7
89	46.8	37.0	55.6

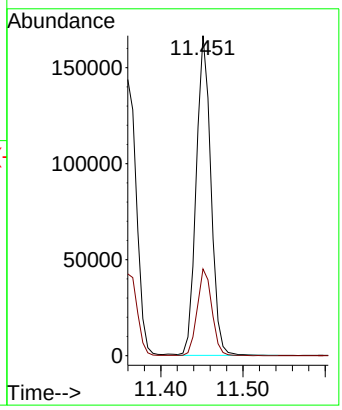




#82
4-Chlorotoluene
Concen: 53.548 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 91 Resp: 20655

Ion	Ratio	Lower	Upper
91	100		
126	27.2	13.3	39.8



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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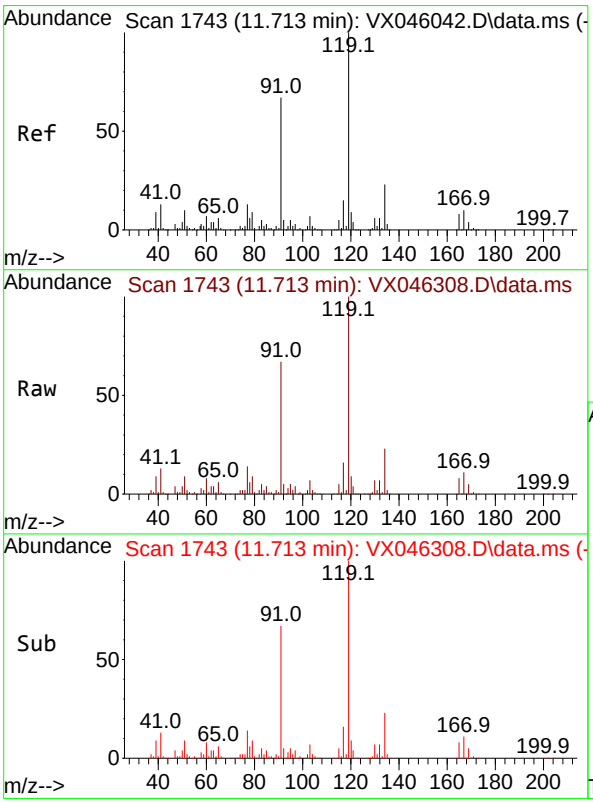
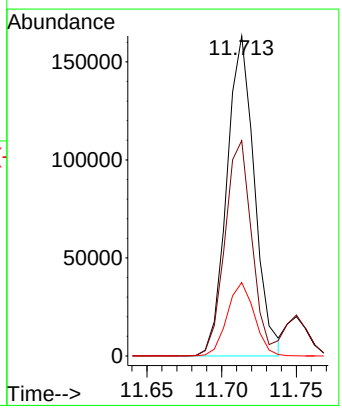
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

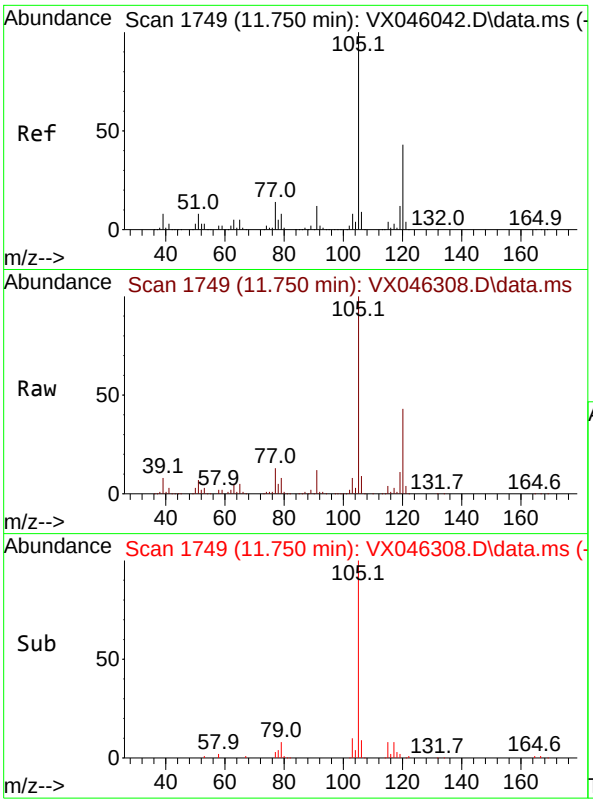


#83
tert-Butylbenzene
Concen: 53.645 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:119 Resp: 209369

Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.9	98.7
134	22.6	11.4	34.1

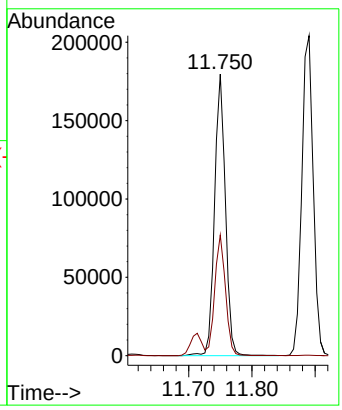




#84
1,2,4-Trimethylbenzene
Concen: 54.297 ug/l
RT: 11.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:105 Resp: 21304

Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.2	63.6



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Manual Integrations
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Reviewed By :John Carlone 05/22/2025
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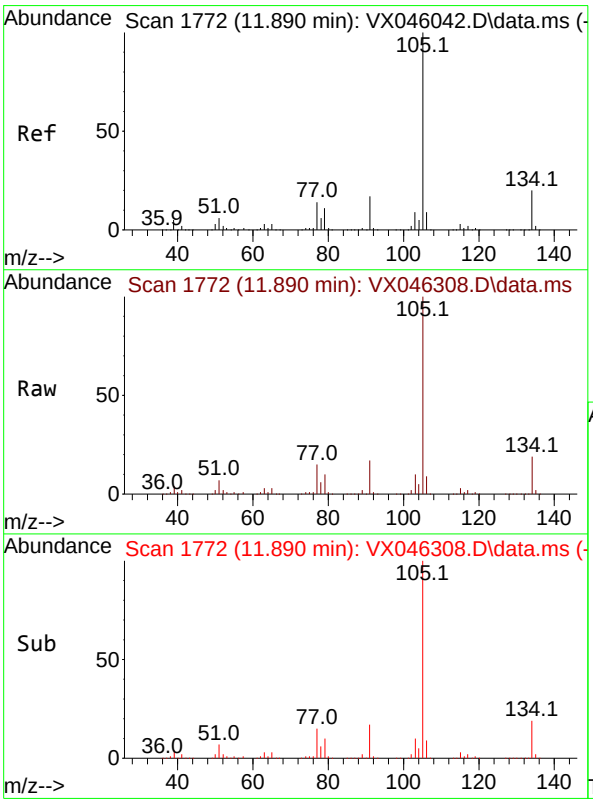
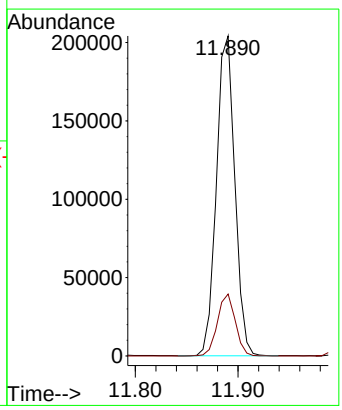
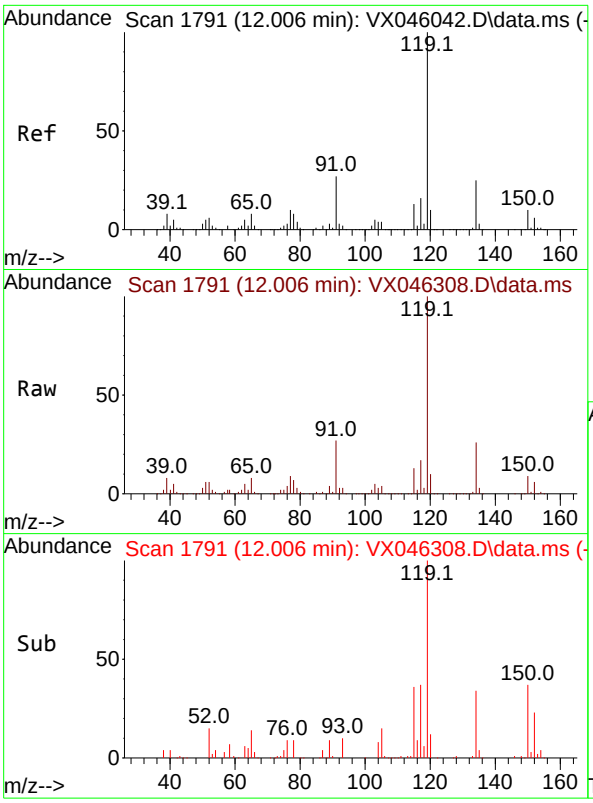


#85
sec-Butylbenzene
Concen: 52.812 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:105 Resp: 253076

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	29.1





#86
p-Isopropyltoluene
Concen: 53.227 ug/l
RT: 12.006 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:119 Resp: 21053

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.5	37.5
91	27.5	13.8	41.4

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Manual Integrations
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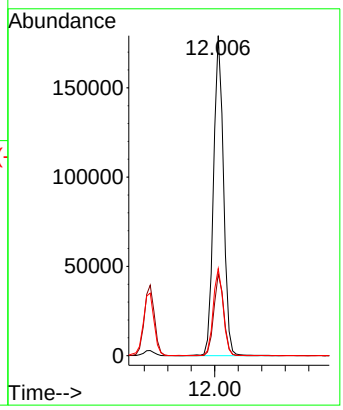
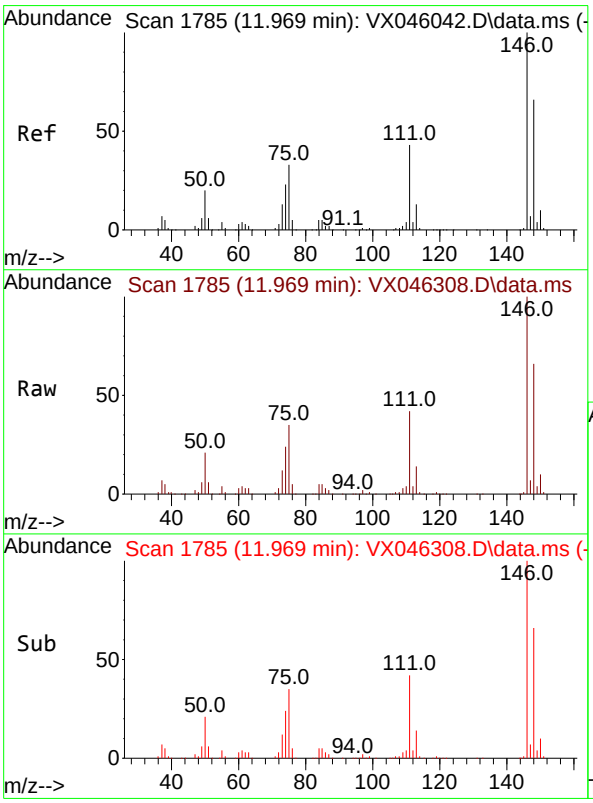
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

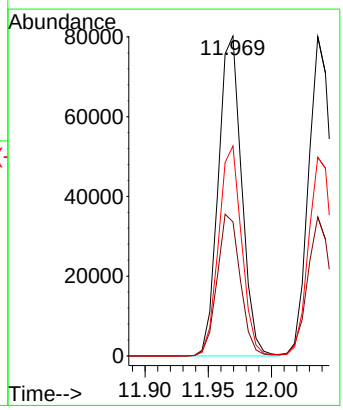


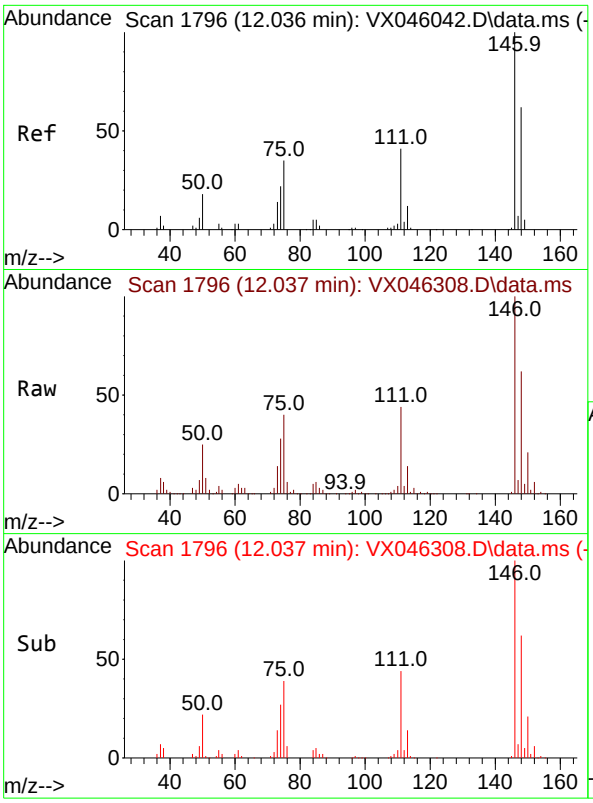


#87
1,3-Dichlorobenzene
Concen: 52.302 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:146 Resp: 102778

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.1	66.3
148	64.8	32.1	96.5





#88
1,4-Dichlorobenzene
Concen: 51.104 ug/l
RT: 12.037 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:146 Resp: 10255

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	63.9
148	63.2	31.9	95.5

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Manual Integrations
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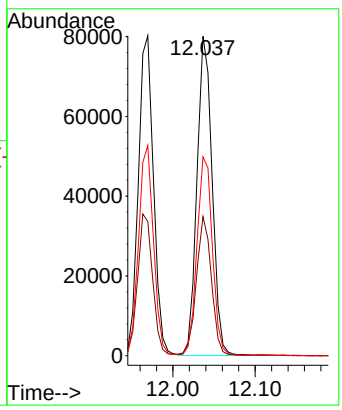
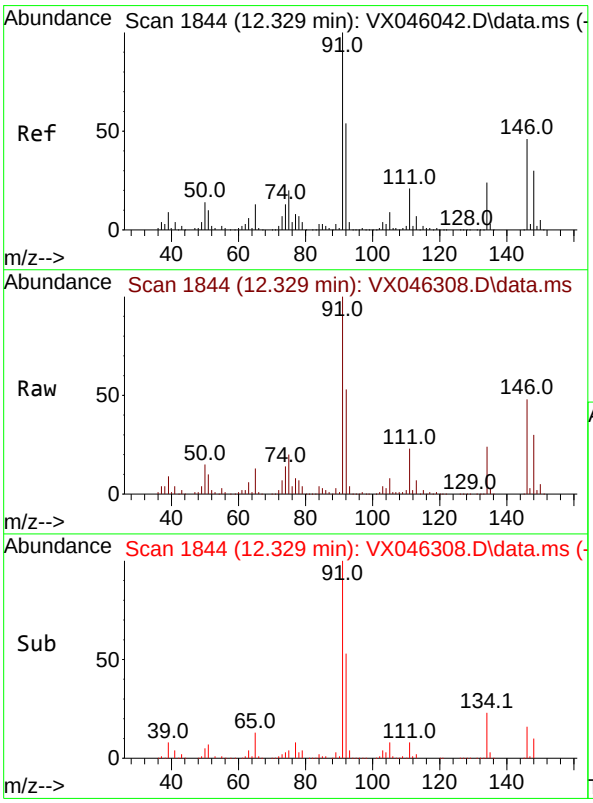
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

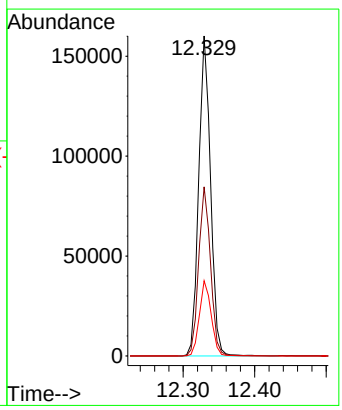


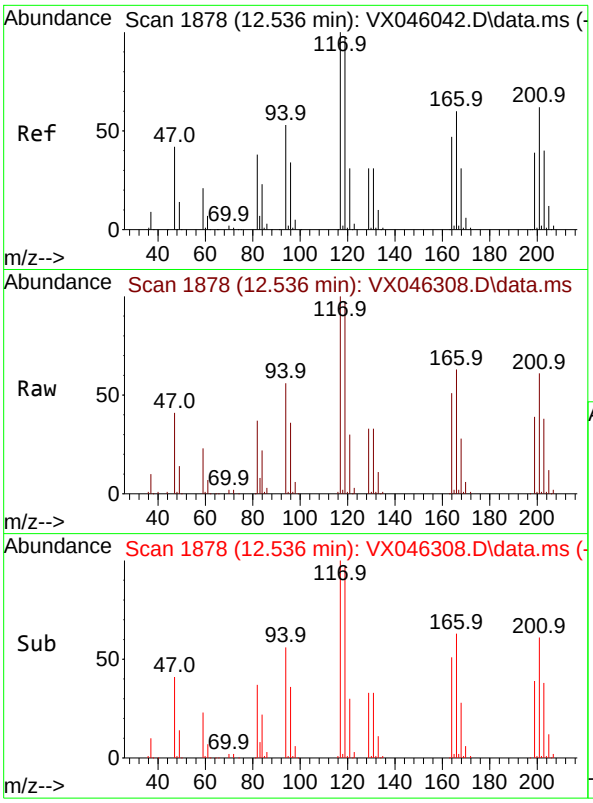


#89
n-Butylbenzene
Concen: 52.901 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 91 Resp: 183546

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.7
134	23.5	11.8	35.3

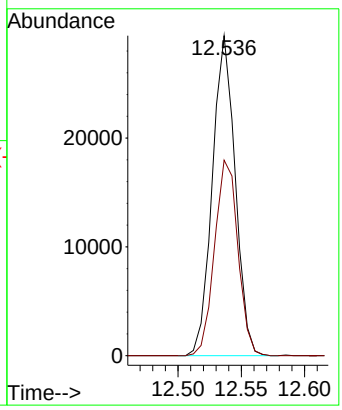




#90
Hexachloroethane
Concen: 52.993 ug/l
RT: 12.536 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:117 Resp: 3692

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.6	94.7



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Manual Integrations
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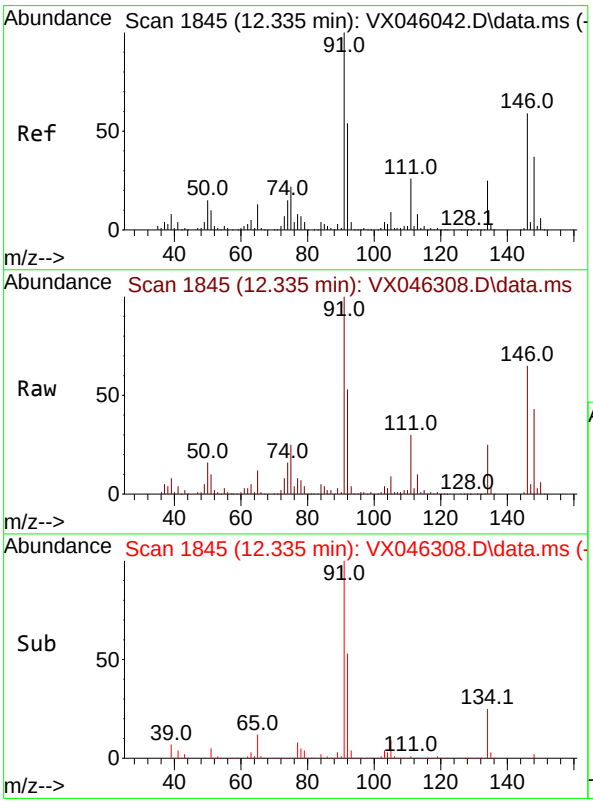
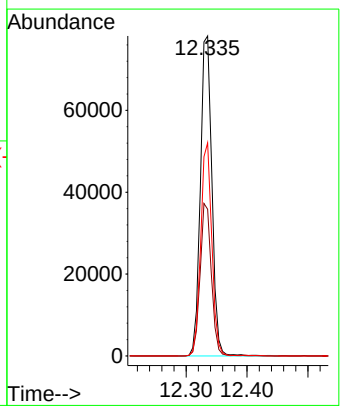
Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

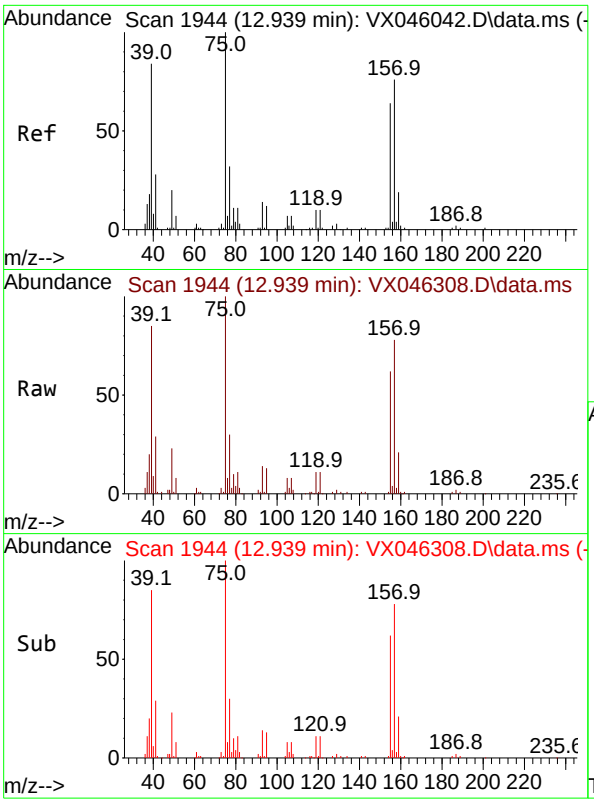


#91
1,2-Dichlorobenzene
Concen: 52.146 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:146 Resp: 102829

Ion	Ratio	Lower	Upper
146	100		
111	46.7	22.4	67.3
148	64.2	31.6	94.8





#92
1,2-Dibromo-3-Chloropropane
Concen: 56.870 ug/l
RT: 12.939 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 75 Resp: 2047

Ion	Ratio	Lower	Upper
75	100		
155	68.7	34.9	104.8
157	86.8	43.8	131.4

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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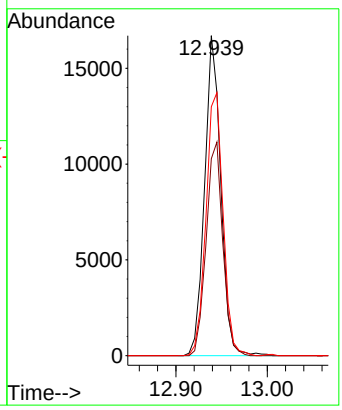
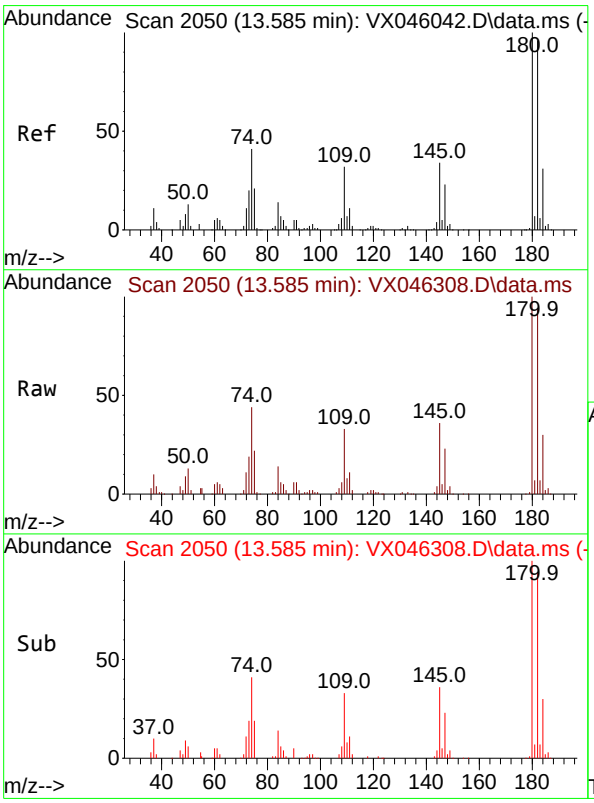
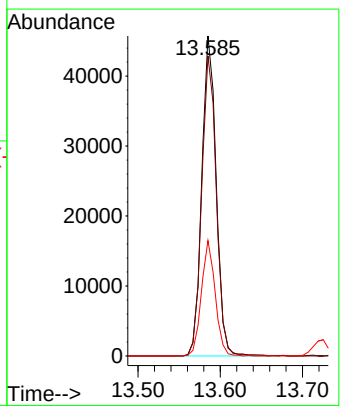


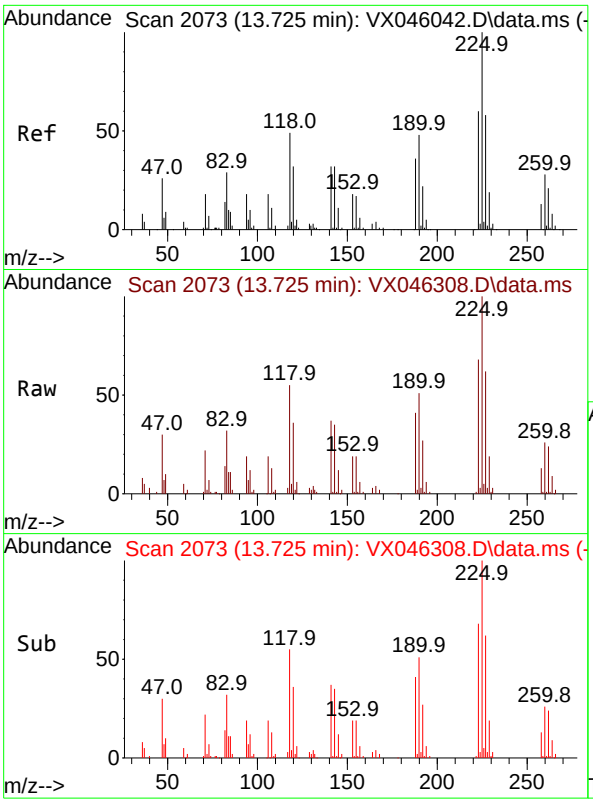


#93
1,2,4-Trichlorobenzene
Concen: 48.956 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:180 Resp: 55448

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.8
145	34.6	17.1	51.2

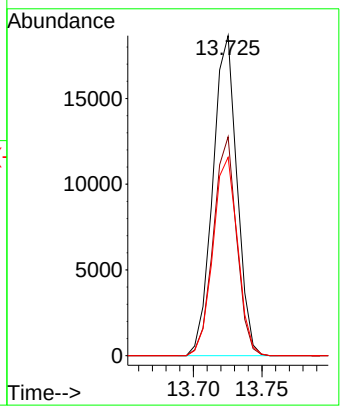




#94
Hexachlorobutadiene
Concen: 46.289 ug/l
RT: 13.725 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:225 Resp: 2289

Ion	Ratio	Lower	Upper
225	100		
223	65.7	30.8	92.4
227	63.1	30.9	92.7



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

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Reviewed By :John Carlone 05/22/2025
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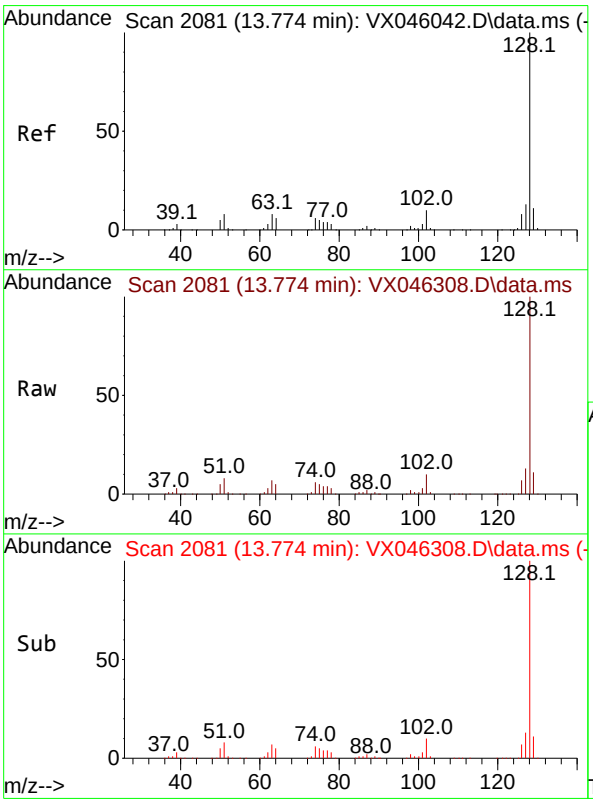
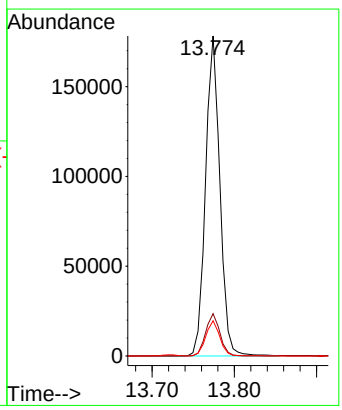
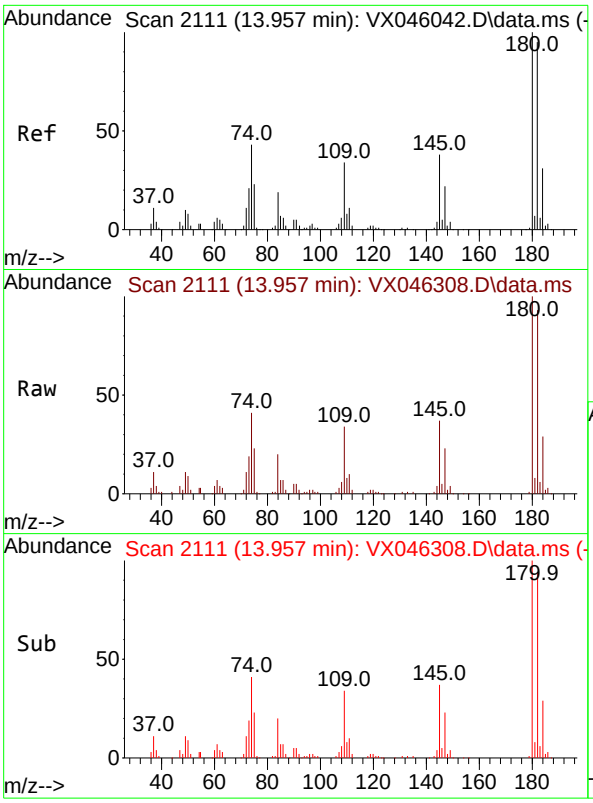


#95
Naphthalene
Concen: 51.914 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:128 Resp: 215650

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

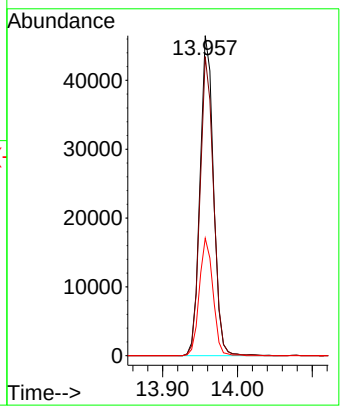




#96
1,2,3-Trichlorobenzene
Concen: 49.669 ug/l
RT: 13.957 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:180 Resp: 5804

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.8	143.3
145	37.1	18.1	54.3



Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Manual Integrations
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Reviewed By :John Carlone 05/22/2025
Supervised By :Mahesh Dadoda 05/22/2025

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

Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX046041.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:13 AM	MMDadoda	5/6/2025 12:42:46 PM	Peak Integrated by Software
VSTDICCC050	VX046042.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:18 AM	MMDadoda	5/6/2025 12:42:48 PM	Peak Integrated by Software
VSTDICC100	VX046043.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:22 AM	MMDadoda	5/6/2025 12:42:50 PM	Peak Integrated by Software
VSTDICC150	VX046044.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:27 AM	MMDadoda	5/6/2025 12:42:53 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	Ethyl Acetate	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,4-Dichlorobenzene	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Bromochloromethane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Ethyl Acetate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Methyl methacrylate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICV050	VX046048.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:45 AM	MMDadoda	5/6/2025 12:41:37 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	VX052125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046284.D	1,2,3-Trichloropropane	JOHN	5/22/2025 7:40:14 AM	MMDadoda	5/22/2025 8:23:27 AM	Peak Integrated by Software
VX0521WBS01	VX046287.D	1,2,3-Trichloropropane	JOHN	5/22/2025 7:40:19 AM	MMDadoda	5/22/2025 8:23:29 AM	Peak Integrated by Software
Q2082-10MS	VX046307.D	1,2,3-Trichloropropane	JOHN	5/22/2025 7:40:36 AM	MMDadoda	5/22/2025 8:23:32 AM	Peak Integrated by Software
Q2082-11MSD	VX046308.D	1,2,3-Trichloropropane	JOHN	5/22/2025 7:40:40 AM	MMDadoda	5/22/2025 8:23:33 AM	Peak Integrated by Software
VSTDCCC050	VX046309.D	1,2,3-Trichloropropane	JOHN	5/22/2025 7:40:45 AM	MMDadoda	5/22/2025 8:23:35 AM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046038.D	05 May 2025 09:37	JC/MD	Ok
2	VSTDICC001	VX046039.D	05 May 2025 10:49	JC/MD	Not Ok
3	VSTDICC005	VX046040.D	05 May 2025 11:12	JC/MD	Not Ok
4	VSTDICC020	VX046041.D	05 May 2025 11:35	JC/MD	Ok,M
5	VSTDICCC050	VX046042.D	05 May 2025 11:58	JC/MD	Ok,M
6	VSTDICC100	VX046043.D	05 May 2025 12:21	JC/MD	Ok,M
7	VSTDICC150	VX046044.D	05 May 2025 12:45	JC/MD	Ok,M
8	IBLK	VX046045.D	05 May 2025 13:08	JC/MD	Ok
9	VSTDICC005	VX046046.D	05 May 2025 16:04	JC/MD	Ok,M
10	VSTDICC001	VX046047.D	05 May 2025 16:27	JC/MD	Ok,M
11	VSTDICV050	VX046048.D	05 May 2025 16:50	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX052125

Review By	John Carlone	Review On	5/22/2025 7:44:17 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/22/2025 8:23:40 AM		
SubDirectory	VX052125	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133985
Initial Calibration Stds	
CCC	VP133986,VP133987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046283.D	21 May 2025 09:13	JC/MD	Ok
2	VSTDCCC050	VX046284.D	21 May 2025 09:55	JC/MD	Ok,M
3	VX0521MBL01	VX046285.D	21 May 2025 10:22	JC/MD	Ok
4	VX0521WBL01	VX046286.D	21 May 2025 10:46	JC/MD	Ok
5	VX0521WBS01	VX046287.D	21 May 2025 11:09	JC/MD	Ok,M
6	VX0521WBSD01	VX046288.D	21 May 2025 11:36	JC/MD	Ok,M
7	Q2065-01	VX046289.D	21 May 2025 11:59	JC/MD	Ok
8	Q2068-03	VX046290.D	21 May 2025 12:23	JC/MD	Ok
9	Q2093-14	VX046291.D	21 May 2025 12:46	JC/MD	Ok
10	Q2075-07	VX046292.D	21 May 2025 13:09	JC/MD	Ok
11	Q2075-08	VX046293.D	21 May 2025 13:32	JC/MD	Ok
12	Q2082-01	VX046294.D	21 May 2025 13:56	JC/MD	Ok
13	Q2082-04	VX046295.D	21 May 2025 14:19	JC/MD	Ok
14	Q2082-12	VX046296.D	21 May 2025 14:42	JC/MD	Ok
15	Q2082-02	VX046297.D	21 May 2025 15:05	JC/MD	Ok
16	Q2082-03	VX046298.D	21 May 2025 15:29	JC/MD	Ok
17	Q2082-05	VX046299.D	21 May 2025 15:52	JC/MD	Ok
18	Q2082-07	VX046300.D	21 May 2025 16:15	JC/MD	Ok
19	Q2082-08	VX046301.D	21 May 2025 16:39	JC/MD	Ok
20	Q2088-01	VX046302.D	21 May 2025 17:02	JC/MD	Ok
21	Q2096-01	VX046303.D	21 May 2025 17:25	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX052125

Review By	John Carlone	Review On	5/22/2025 7:44:17 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/22/2025 8:23:40 AM		
SubDirectory	VX052125	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133985
Initial Calibration Stds	
CCC	VP133986,VP133987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2102-03	VX046304.D	21 May 2025 17:48	JC/MD	Not Ok
23	IBLK	VX046305.D	21 May 2025 18:12	JC/MD	Ok
24	Q2082-09	VX046306.D	21 May 2025 18:35	JC/MD	Ok
25	Q2082-10MS	VX046307.D	21 May 2025 18:58	JC/MD	Ok,M
26	Q2082-11MSD	VX046308.D	21 May 2025 19:21	JC/MD	Ok,M
27	VSTDCCC050	VX046309.D	21 May 2025 19:44	JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046038.D	05 May 2025 09:37		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046039.D	05 May 2025 10:49	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX046040.D	05 May 2025 11:12	Not used	JC/MD	Not Ok
4	VSTDICC020	VSTDICC020	VX046041.D	05 May 2025 11:35		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX046042.D	05 May 2025 11:58		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX046043.D	05 May 2025 12:21		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX046044.D	05 May 2025 12:45		JC/MD	Ok,M
8	IBLK	IBLK	VX046045.D	05 May 2025 13:08		JC/MD	Ok
9	VSTDICC005	VSTDICC005	VX046046.D	05 May 2025 16:04		JC/MD	Ok,M
10	VSTDICC001	VSTDICC001	VX046047.D	05 May 2025 16:27		JC/MD	Ok,M
11	VSTDICV050	ICVVX050525	VX046048.D	05 May 2025 16:50		JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX052125

Review By	John Carlone	Review On	5/22/2025 7:44:17 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/22/2025 8:23:40 AM		
SubDirectory	VX052125	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133985
Initial Calibration Stds	
CCC	VP133986,VP133987
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	VX046283.D	21 May 2025 09:13		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046284.D	21 May 2025 09:55	pH#Lot#V12668	JC/MD	Ok,M
3	VX0521MBL01	VX0521MBL01	VX046285.D	21 May 2025 10:22		JC/MD	Ok
4	VX0521WBL01	VX0521WBL01	VX046286.D	21 May 2025 10:46		JC/MD	Ok
5	VX0521WBS01	VX0521WBS01	VX046287.D	21 May 2025 11:09		JC/MD	Ok,M
6	VX0521WBSD01	VX0521WBSD01	VX046288.D	21 May 2025 11:36		JC/MD	Ok,M
7	Q2065-01	VACTRUCK-728068	VX046289.D	21 May 2025 11:59	vial A pH<2 oily sample	JC/MD	Ok
8	Q2068-03	LAW-25-0074	VX046290.D	21 May 2025 12:23	vial A pH<2 turbid sample	JC/MD	Ok
9	Q2093-14	WATER-COMP	VX046291.D	21 May 2025 12:46	vial A pH<2	JC/MD	Ok
10	Q2075-07	FB-05152025	VX046292.D	21 May 2025 13:09	vial A pH<2 FB	JC/MD	Ok
11	Q2075-08	FB-05162025	VX046293.D	21 May 2025 13:32	vial A pH<2 FB	JC/MD	Ok
12	Q2082-01	BP-VPB-182-TB-20250	VX046294.D	21 May 2025 13:56	vial A pH<2 TB	JC/MD	Ok
13	Q2082-04	BP-VPB-182-GW-300-3	VX046295.D	21 May 2025 14:19	vial A+B pH<2	JC/MD	Ok
14	Q2082-12	VPB182-HYD-2025051	VX046296.D	21 May 2025 14:42	vial A pH<2	JC/MD	Ok
15	Q2082-02	BP-VPB-182-GW-260-2	VX046297.D	21 May 2025 15:05	vial A pH<2	JC/MD	Ok
16	Q2082-03	BP-VPB-182-GW-280-2	VX046298.D	21 May 2025 15:29	vial A pH<2	JC/MD	Ok
17	Q2082-05	BP-VPB-182-GW-320-3	VX046299.D	21 May 2025 15:52	vial A pH<2	JC/MD	Ok
18	Q2082-07	BP-VPB-182-GW-360-3	VX046300.D	21 May 2025 16:15	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX052125

Review By	John Carlone	Review On	5/22/2025 7:44:17 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/22/2025 8:23:40 AM		
SubDirectory	VX052125	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133985
Initial Calibration Stds	
CCC	VP133986,VP133987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2082-08	BP-VPB-182-GW-390-3	VX046301.D	21 May 2025 16:39	vial A pH<2	JC/MD	Ok
20	Q2088-01	252820	VX046302.D	21 May 2025 17:02	vial A pH<2	JC/MD	Ok
21	Q2096-01	50684	VX046303.D	21 May 2025 17:25	vial A pH<2 Very foamy sample	JC/MD	Ok
22	Q2102-03	LAW-25-0078	VX046304.D	21 May 2025 17:48	Need Straight Run	JC/MD	Not Ok
23	IBLK	IBLK	VX046305.D	21 May 2025 18:12		JC/MD	Ok
24	Q2082-09	BP-VPB-182-GW-400-4	VX046306.D	21 May 2025 18:35	vial A pH<2	JC/MD	Ok
25	Q2082-10MS	BP-VPB-182-GW-400-4	VX046307.D	21 May 2025 18:58	vial A pH<2	JC/MD	Ok,M
26	Q2082-11MSD	BP-VPB-182-GW-400-4	VX046308.D	21 May 2025 19:21	vial A pH<2	JC/MD	Ok,M
27	VSTDCCC050	VSTDCCC050EC	VX046309.D	21 May 2025 19:44		JC/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q2082

Test : VOCMS Group1

Prepbatch ID :

Sequence ID/Qc Batch ID: VX052125,

Standard ID :
VP132035,VP132096,VP133174,VP133758,VP133887,VP133935,VP133953,VP133985,VP133986,VP133987,

Chemical ID :
V13391,V13457,V13460,V13465,V13466,V13706,V14290,V14432,V14435,V14503,V14504,V14525,V14526,V14613,V14614,V14615,V14626,V14630,V14631,V14632,V14633,V14711,V14717,V14718,V14721,V14749,V14750,V14811,V14812,V14843,V14915,V14916,V14917,V14918,V14921,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP132096	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.00000ml of V13465 + 1.00000ml of V13466 + 1.50000ml of V13457 + 1.50000ml of V13460 + 20.00000ml of V14614 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP133174	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.40000ml of V13706 + 24.60000ml of V14613 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133758	04/24/2025	05/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/07/2025

FROM 1.00000ml of V14915 + 1.00000ml of V14916 + 1.00000ml of V14917 + 1.00000ml of V14918 + 21.00000ml of V14615 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP133887	05/12/2025	06/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/14/2025

FROM 0.40000ml of V14843 + 1.00000ml of V14432 + 1.00000ml of V14435 + 1.00000ml of V14503 + 1.00000ml of V14504 + 1.00000ml of V14525 + 1.00000ml of V14526 + 1.00000ml of V14711 + 1.00000ml of V14717 + 1.00000ml of V14718 + 1.00000ml of V14721 + 1.00000ml of V14749 + 1.00000ml of V14750 + 1.00000ml of V14811 + 1.00000ml of V14812 + 10.60000ml of V14921 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP133935	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.25000ml of V14290 + 24.75000ml of V14921 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP133953	05/19/2025	11/09/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.25000ml of V13391 + 24.75000ml of V14626 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP133985	05/21/2025	05/22/2025	John Carlone	None	None	Mahesh Dadoda 05/23/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP133953 = 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	VP133986	05/21/2025	05/22/2025	John Carlone	None	None	Mahesh Dadoda 05/23/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP133935 + 0.01250ml of VP132035 + 0.01250ml of VP133758 + 0.01250ml of VP133887 = 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	VP133987	05/21/2025	05/22/2025	John Carlone	None	None	Mahesh Dadoda 05/23/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP132096 + 0.00500ml of VP133174 + 0.00800ml of VP133935 + 0.01250ml of VP132035 + 0.01250ml of VP133758 + 0.01250ml of VP133887 = 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 #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	05/12/2025 / SAM	08/15/2024 / SAM	V14432

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/20/2025	03/20/2025 / SAM	08/15/2024 / SAM	V14435

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	11/12/2025	05/12/2025 / SAM	09/17/2024 / SAM	V14503

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	11/12/2025	05/12/2025 / SAM	09/17/2024 / SAM	V14504

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	11/12/2025	05/12/2025 / SAM	09/18/2024 / SAM	V14525

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	11/12/2025	05/12/2025 / SAM	09/18/2024 / SAM	V14526

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)	22L0562016	09/19/2025	03/19/2025 / SAM	11/26/2024 / SAM	V14615

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	11/09/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14626

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

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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	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14711

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14717

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14718

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14721

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	11/13/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14749

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14750

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	11/12/2025	05/12/2025 / SAM	01/08/2025 / SAM	V14811

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	06/30/2026	05/12/2025 / SAM	01/08/2025 / SAM	V14812

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	11/12/2025	05/12/2025 / SAM	01/21/2025 / SAM	V14843

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042325	05/23/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14915

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042325	05/23/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14916

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042325	05/23/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14917

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	042325	05/23/2025	04/24/2025 / SAM	04/24/2025 / SAM	V14918

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	11/12/2025	05/12/2025 / SAM	05/09/2025 / SAM	V14921

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	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 Baxter

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Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

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Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

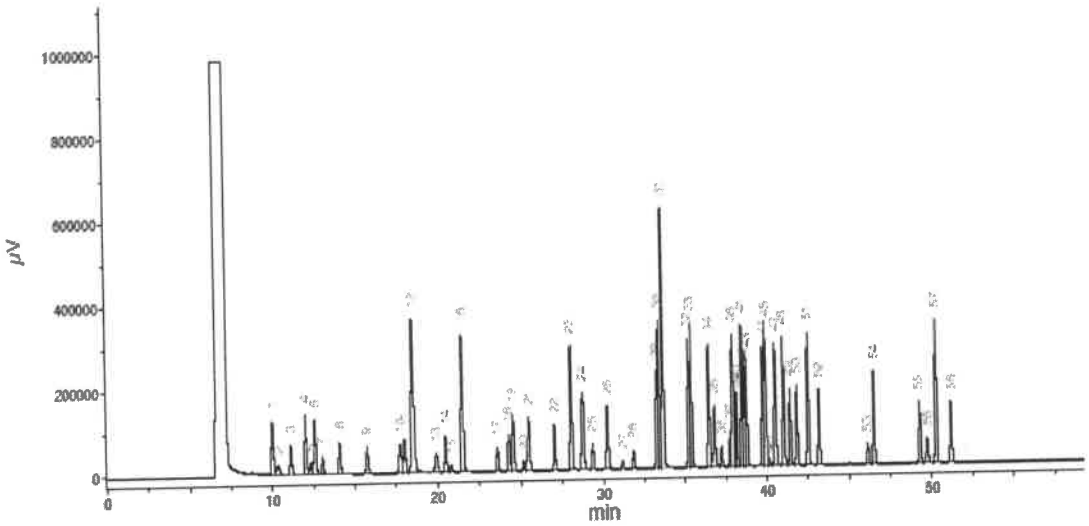
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	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	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	20.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.82
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

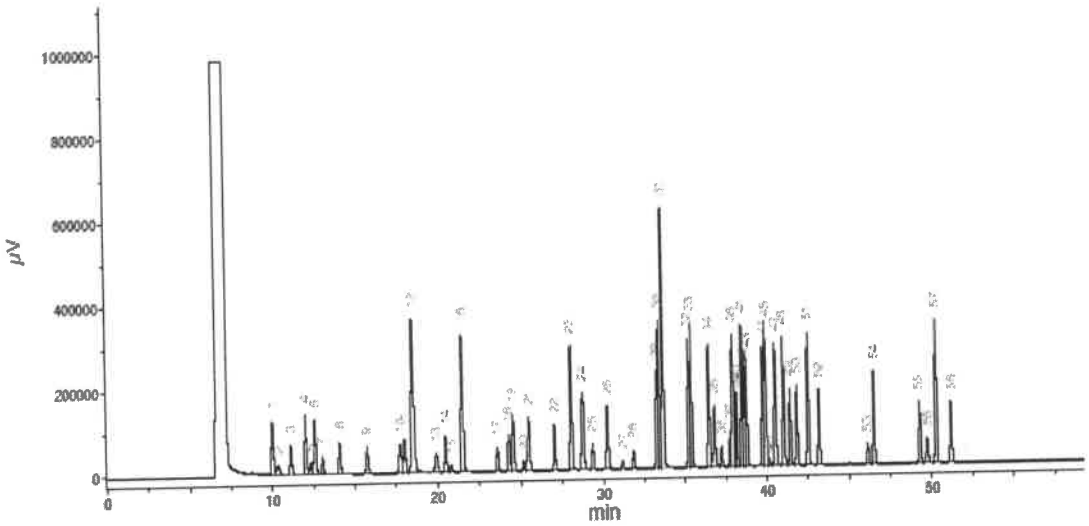
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.6	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	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 [2000µg/mL in MeOH]"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.12
50	1,4-Dichlorobenzene	41.33
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	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, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 04/24/25 5 N 104

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 042325
Description: Acrolein

Expiration Date: 052325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s):	Lot#
Water	072324Q

V14914 10
V14918

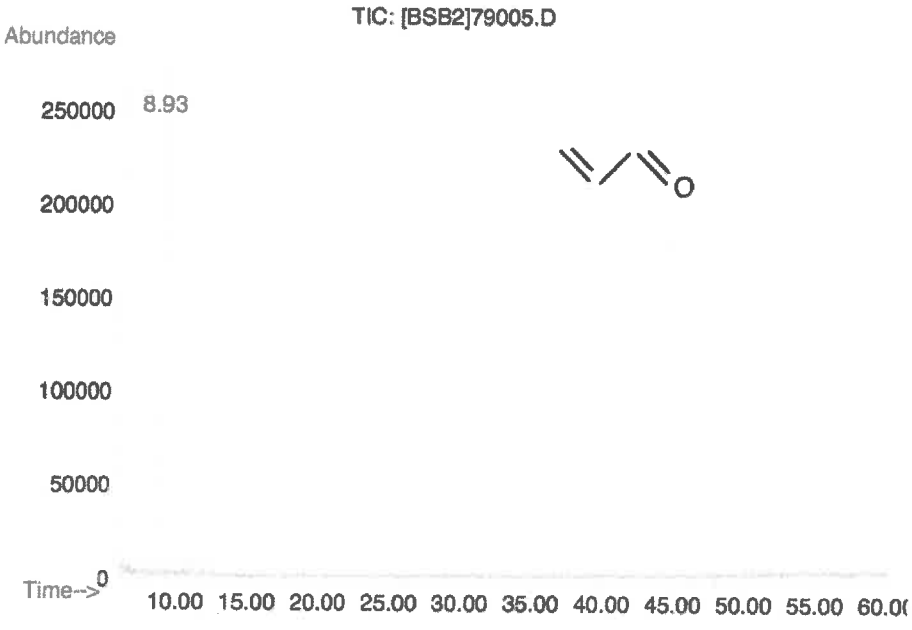
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

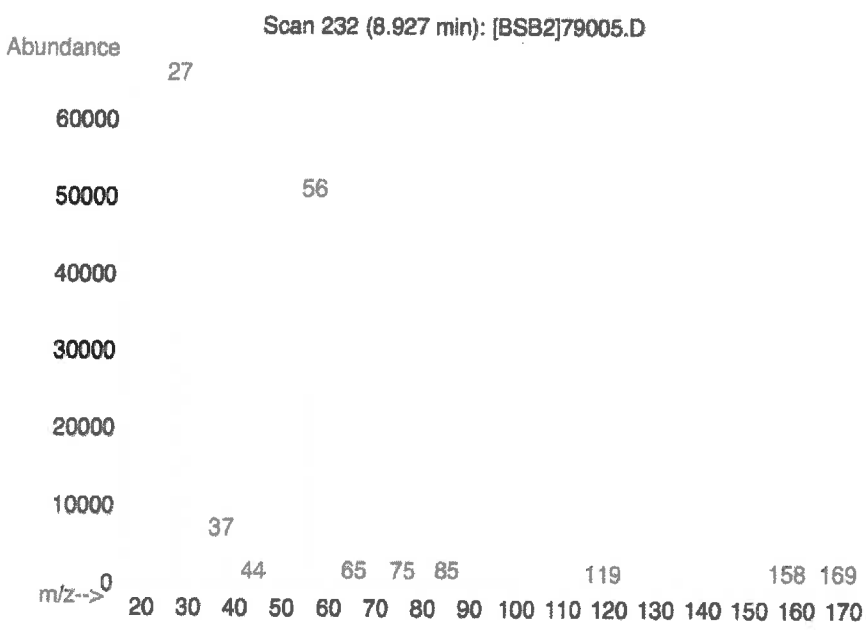
Eli Aliaga 042325
Formulated By: Eli Aliaga DATE

Pedro Rentas 042325
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	0.05178	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 by an ISO 17025 certified organization wtih weights traceable through NIST to the SI kilogram (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Rev 1.0, 2/25/2025

Absolute Standards Inc.

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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
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Certified Reference Material CRM

Rec 04/24/25 5 N 104

ANAB ISO 17034 Accredited
AR-1539 Certificate Numbe
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 042325
Description: Acrolein

Expiration Date: 052325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

V14914 10
V14918

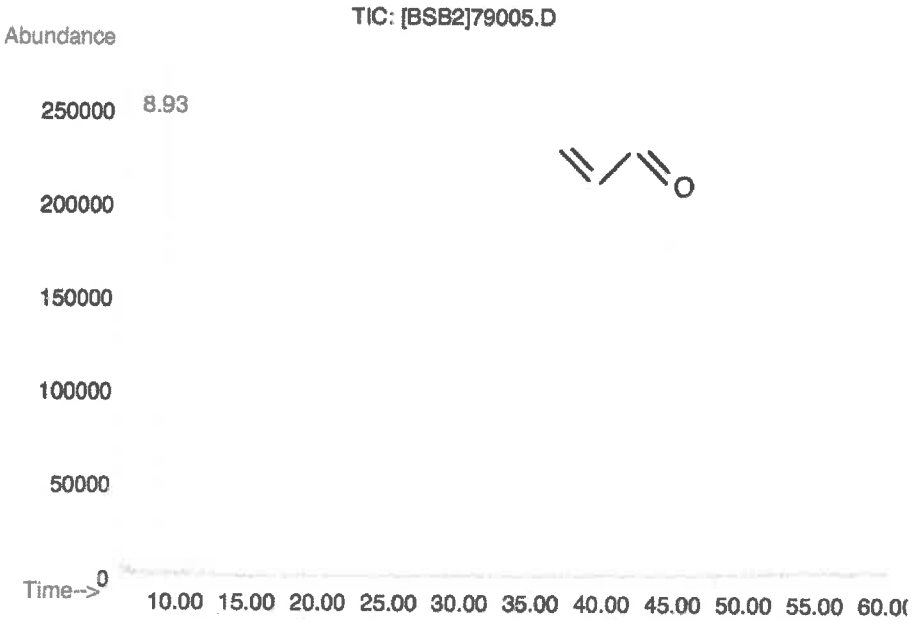
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

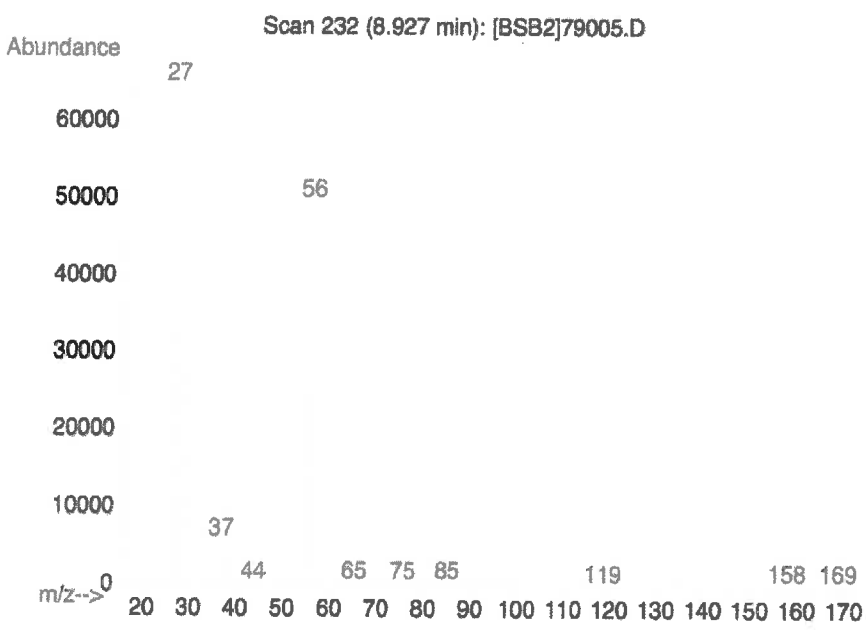
Eli Aliaga 042325
Formulated By: Eli Aliaga DATE

Pedro Rentas 042325
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	0.05178	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 by an ISO 17025 certified organization wtih weights traceable through NIST to the SI kilogram (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Rev 1.0, 2/25/2025

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN WATER**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 042325
Description: Acrolein

Expiration Date: 052325
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s):	Lot#
Water	072324Q

V14914 10
V14918

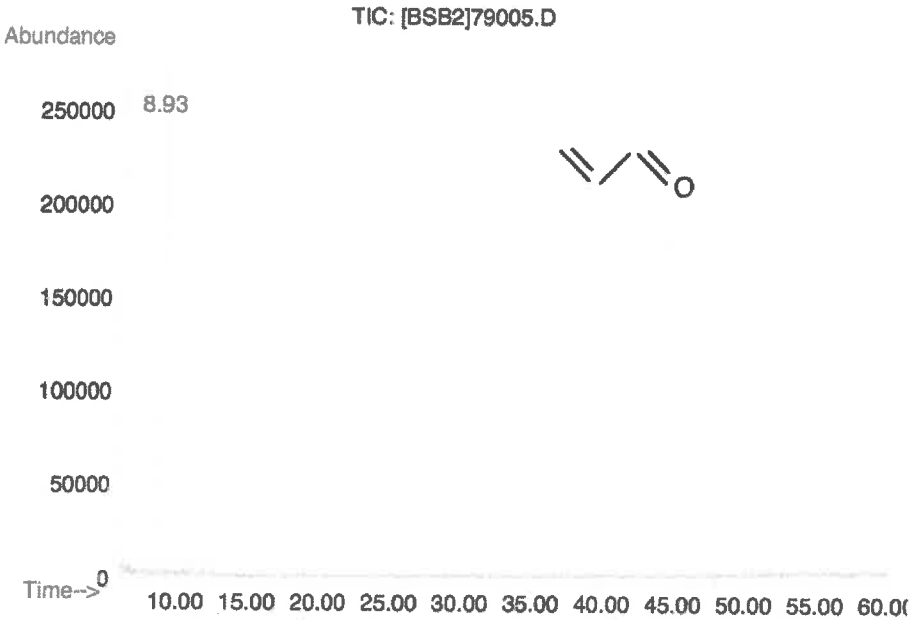
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

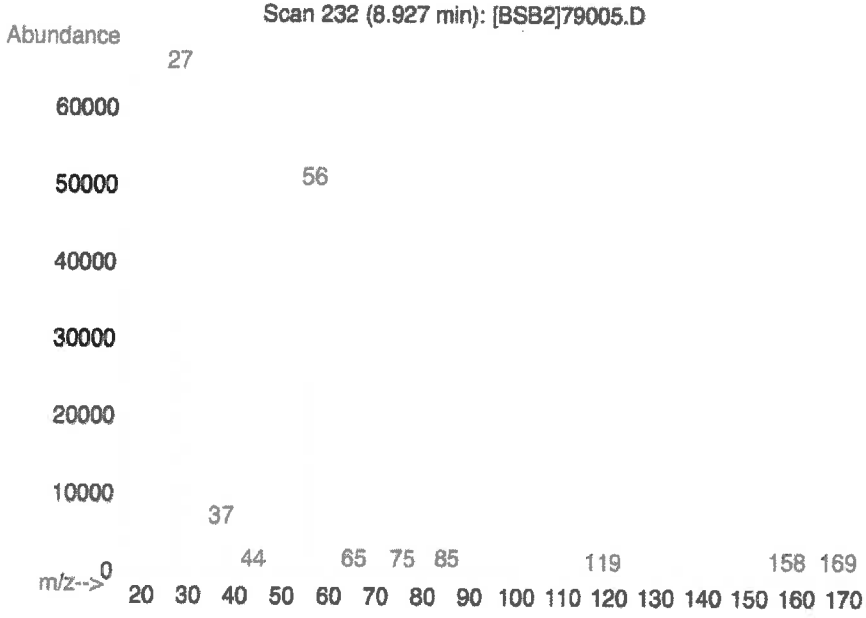
Eli Aliaga 042325
Formulated By: Eli Aliaga DATE

Pedro Rentas 042325
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	0.05178	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, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
		P305,351,338	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Decomposition products	Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Water CAS#: 7732-18-5 TWA: 500 ppm

Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	100°C	Specific Gravity (H2O = 1)	1
Vapor Pressure (mm Hg)		Melting Point	

	NA		0°C
Vapor Density (AIR = 1)	NA	Evaporation rate (Butyl Acetate = 1)	NA

Solubility in Water — Completely miscible

Appearance and Odor — CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — NA
Conditions to avoid — NA
Materials to avoid — NA
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat — NA
LC50 Inhalation - Rat — NA
LD50 Dermal - Guinea pig — NA
Causes skin irritation.
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50 — NA
EC50 — NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods
Proper shipping name: Water

IATA
Not dangerous goods
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 042325
Description: Acrolein

Expiration Date: 052325
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Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): Water **Lot#** 072324Q

V14914 10
V14918

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Eli Aliaga 042325
Formulated By: Eli Aliaga DATE

Pedro Rentas 042325
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Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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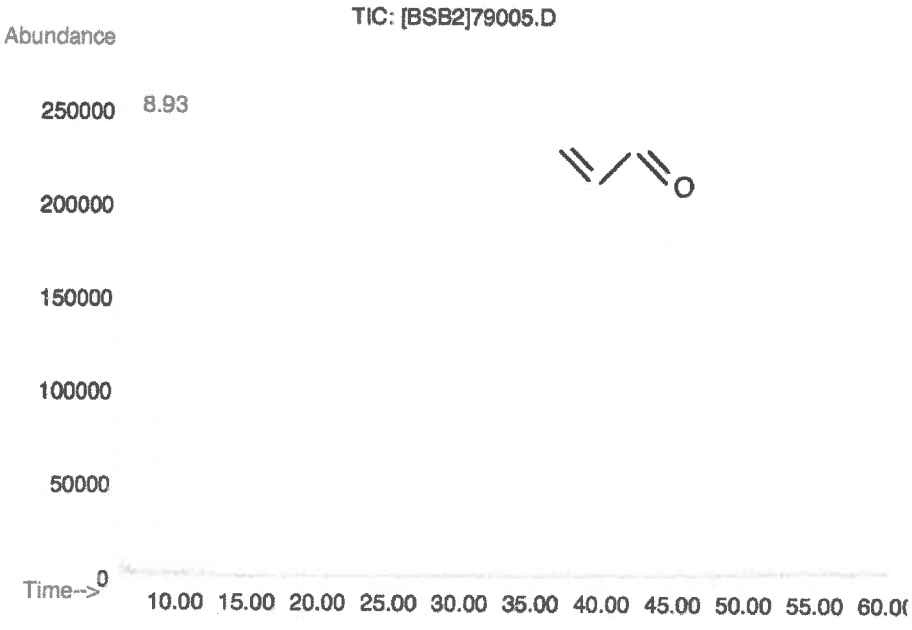

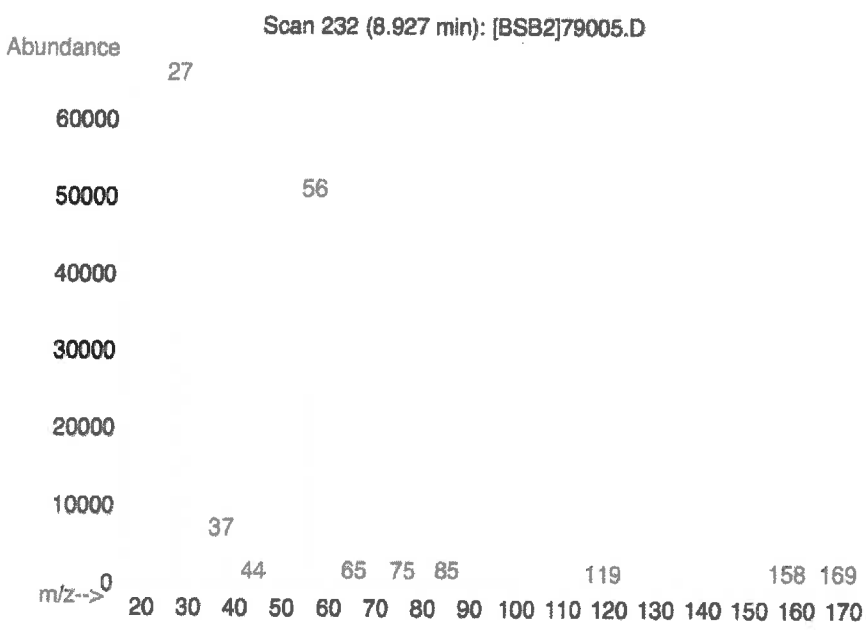

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Safety Data Sheet (SDS) GHS/OSHA Compliant

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	Hamden CT, 06514	Date Prepared/Revised	January 1, 2025

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

P271	**Use in ventilated area**	**H315**	**Causes skin and eye irritation.**
P302,332	**If on skin, wash with soap and water**	**P280**	**Use gloves, eye protection/face sheild**
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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))		% (optional)
Water	CAS#: 7732-18-5	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

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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Section V. FIREFIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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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

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Numb
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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL): 10.0

Solvent(s): **Lot#**
Water 072324Q

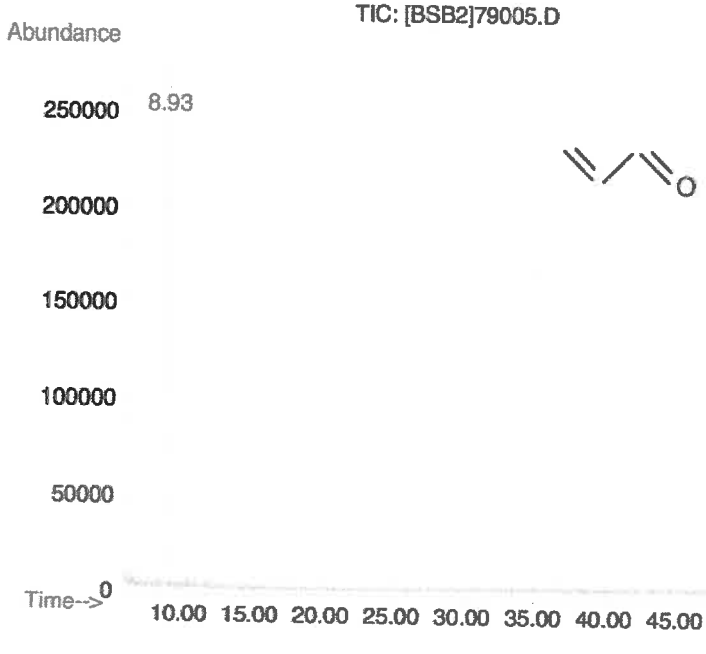
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

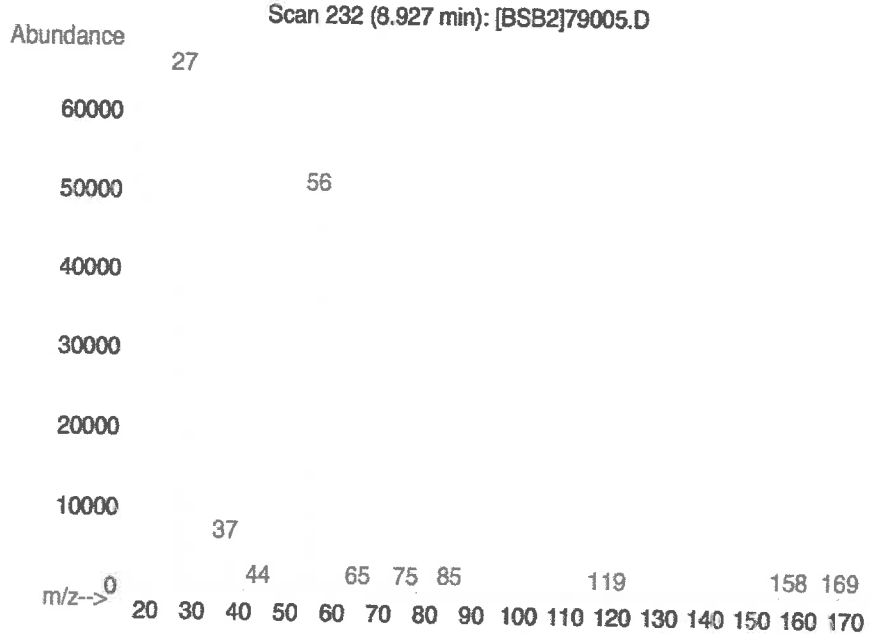
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Certified Reference Material CRM

Rec 09/16/24 2 Vials

ANAB ISO 17034 Accredited
AR-1539 Certificate Numb
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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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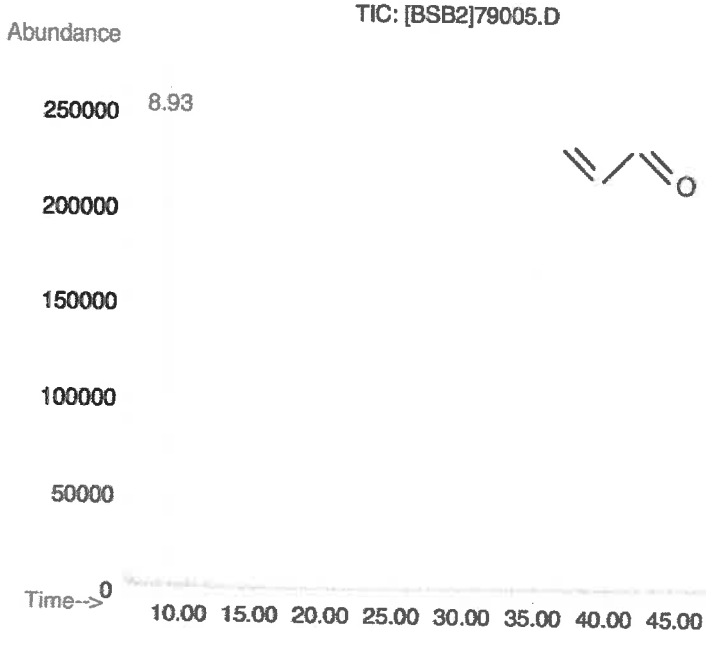

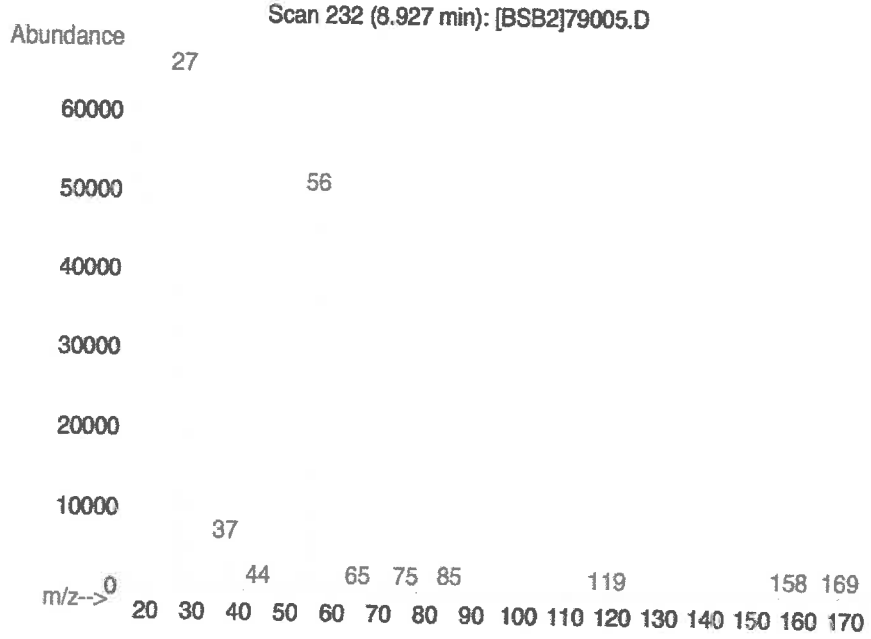

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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

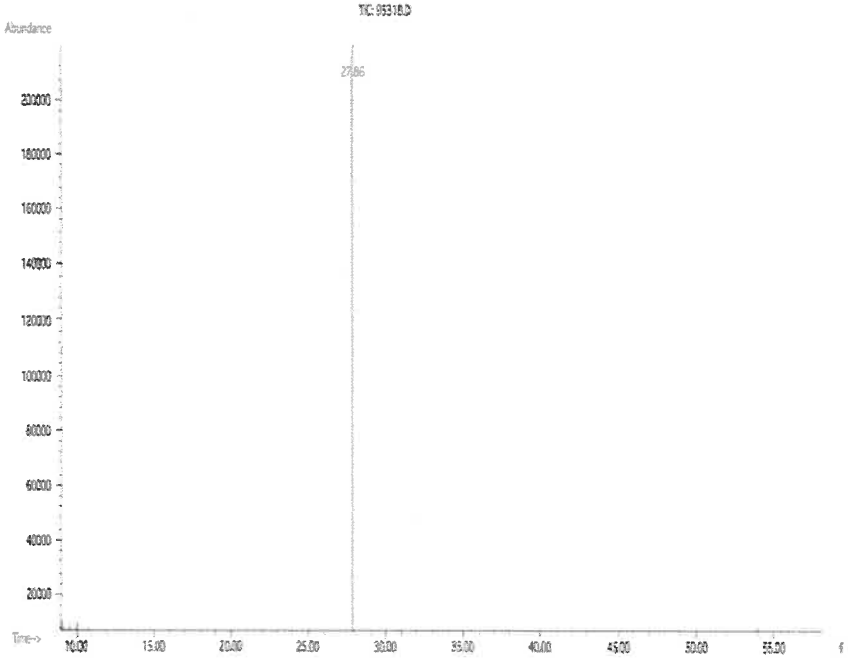
Solvent(s): Methanol **Lot#** EJ143-US

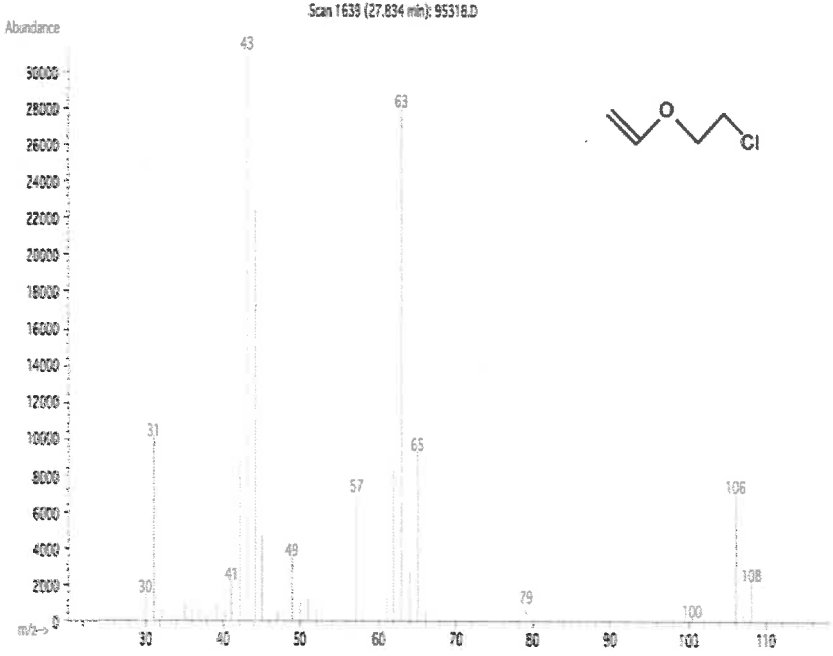
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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CERTIFIED 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

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Formulated By: Prashant Chauhan	DATE
Pedro Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

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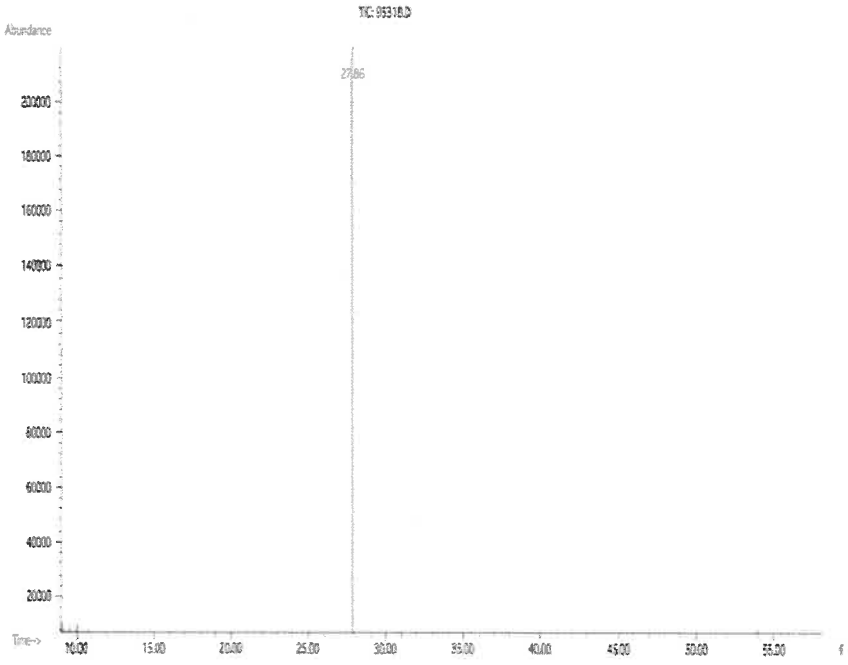

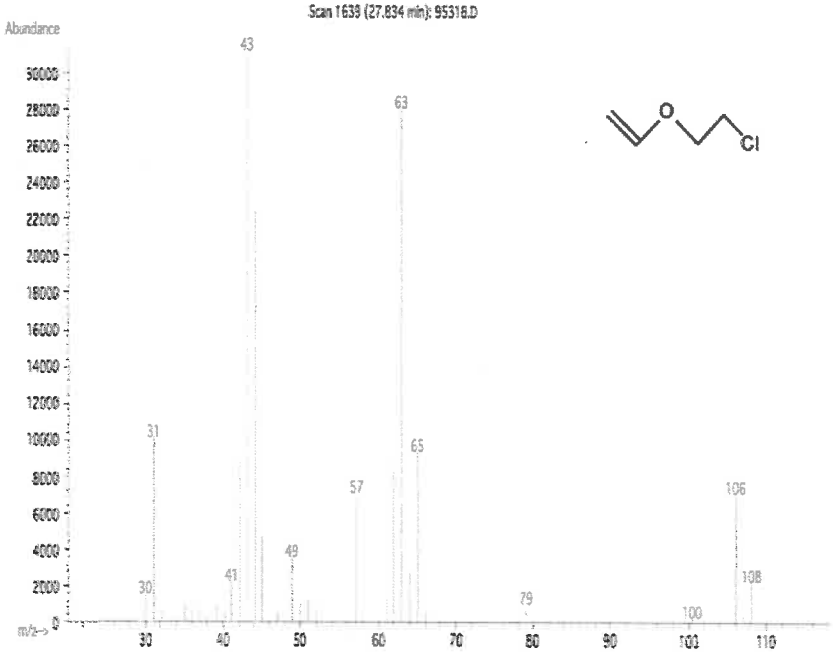

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Skin notation TWA 200 ppm
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Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

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Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

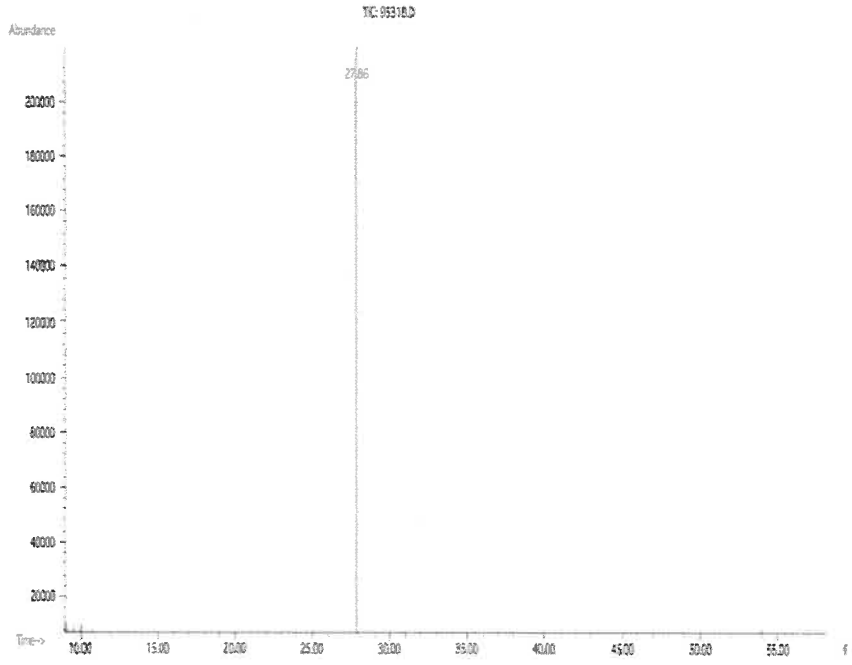
Solvent(s): Methanol **Lot#** EJ143-US

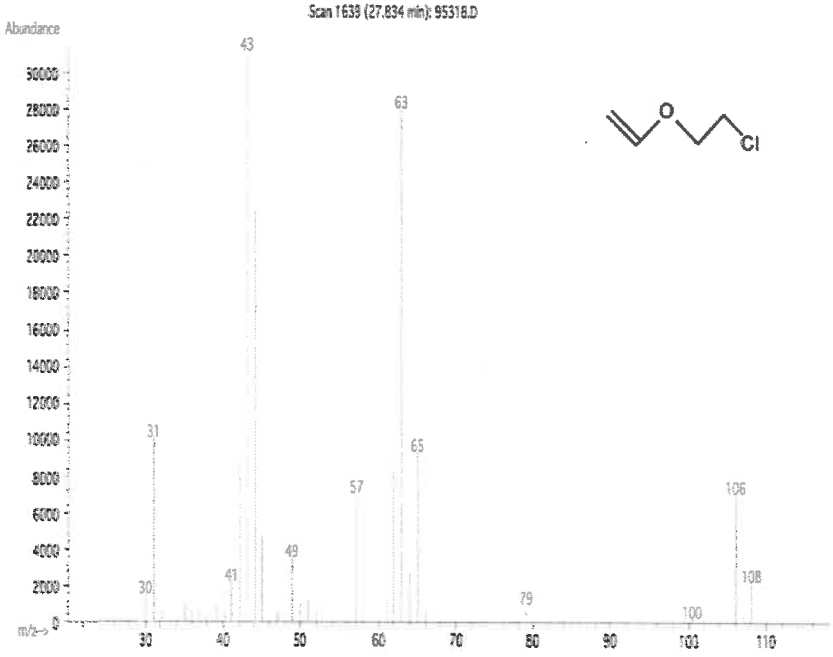
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**

Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EJ143-US

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
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Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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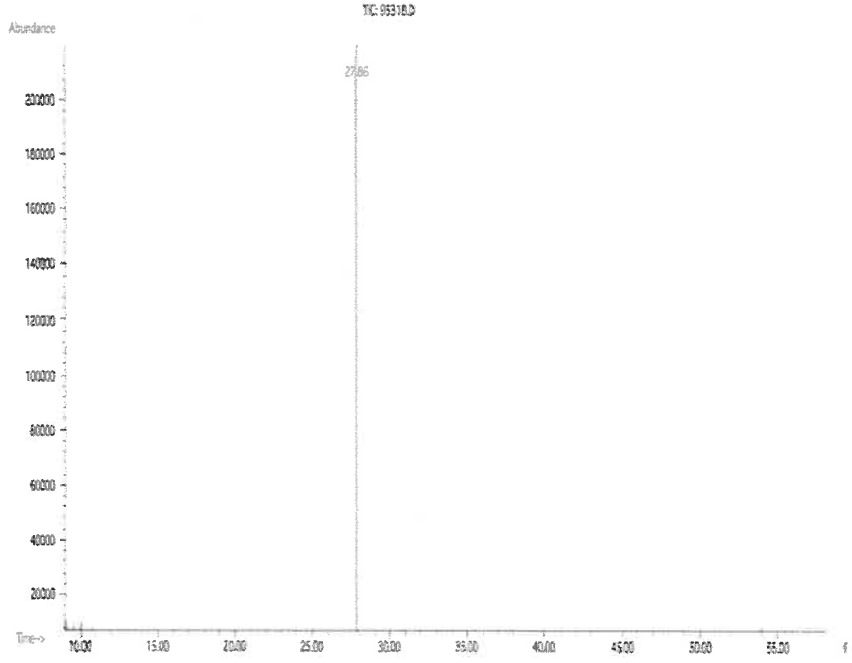
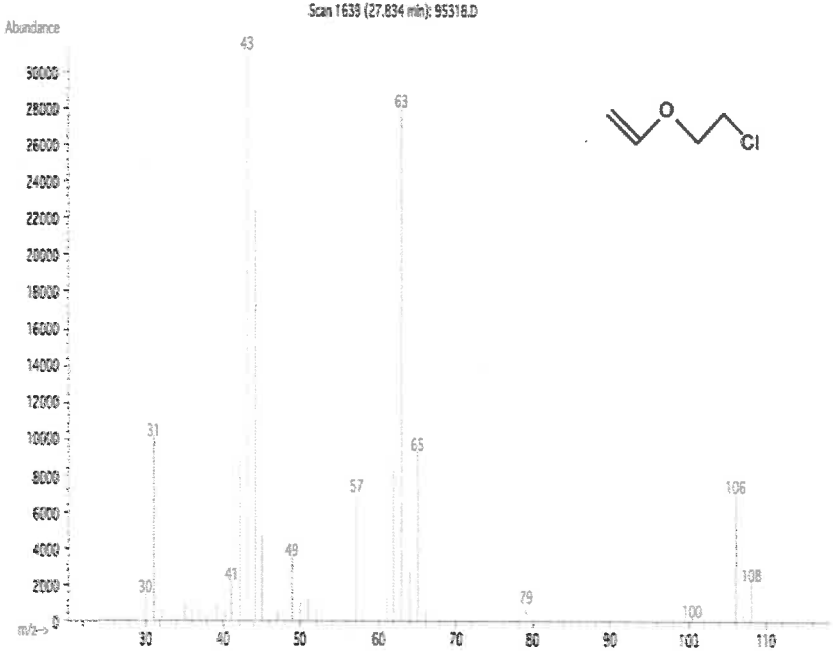
Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Signal Word: DANGER

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Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

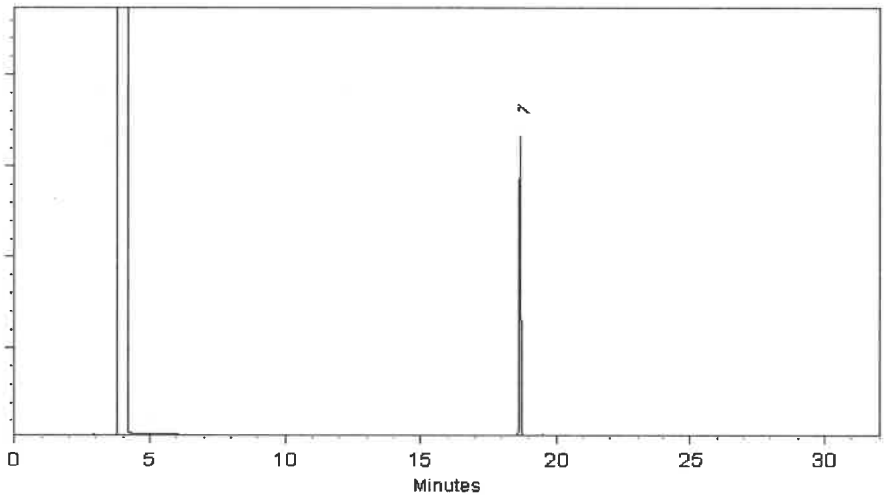
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

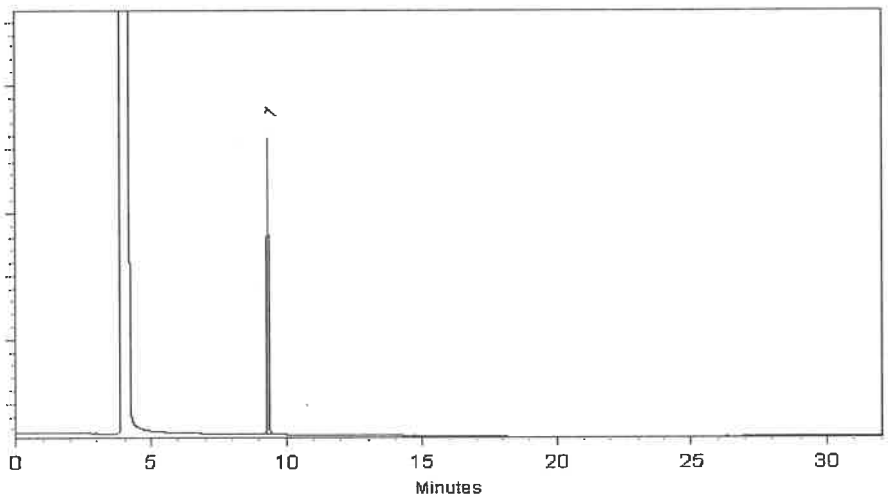
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

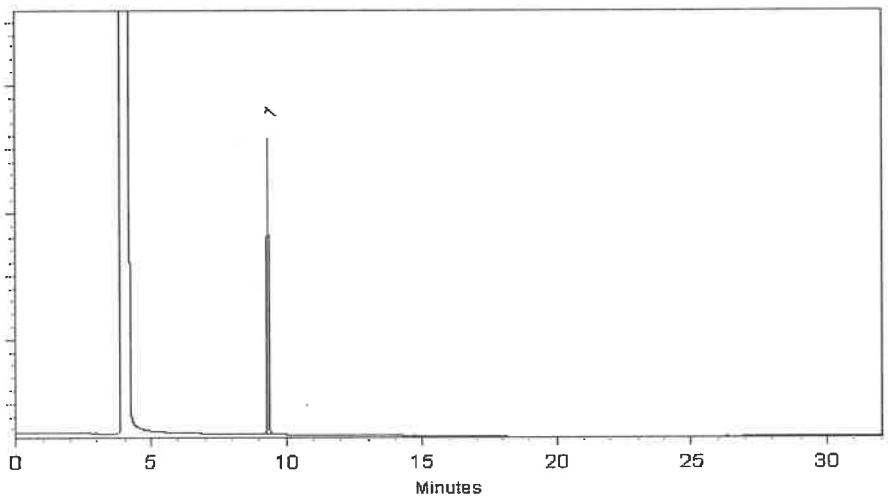
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

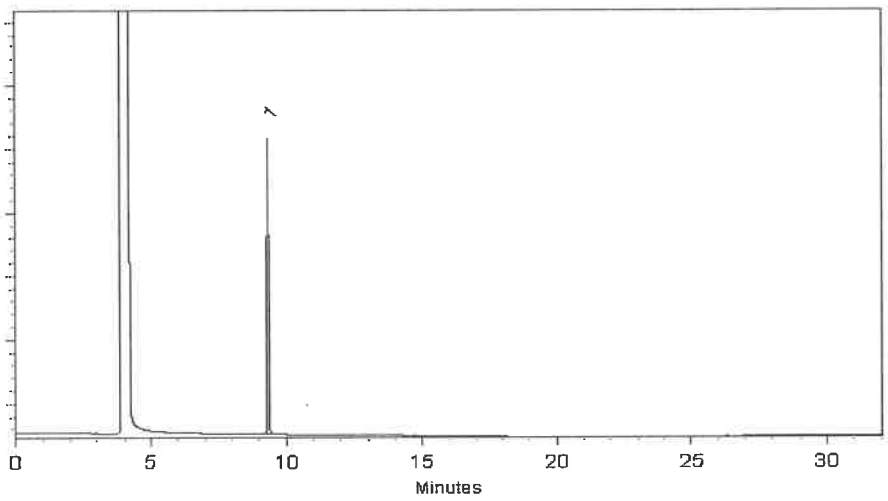
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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Manufacturing Notes:

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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.)

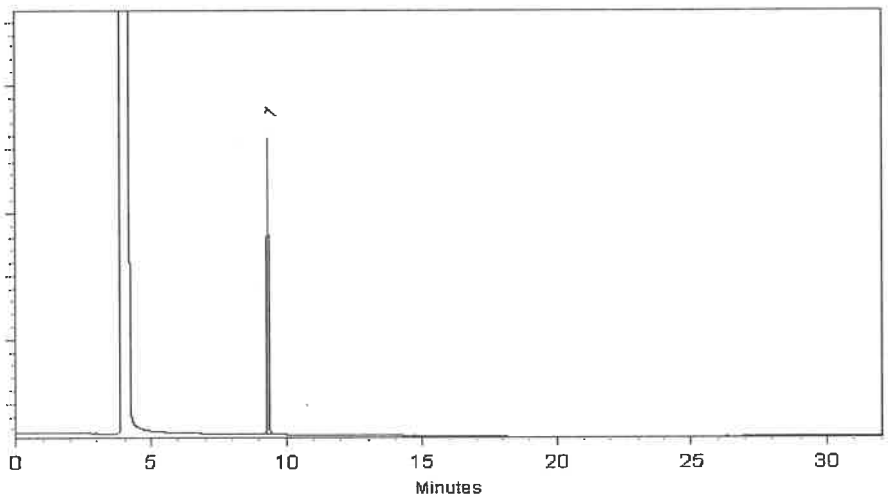
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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Manufacturing Notes:

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Handling Notes:

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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. : 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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Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

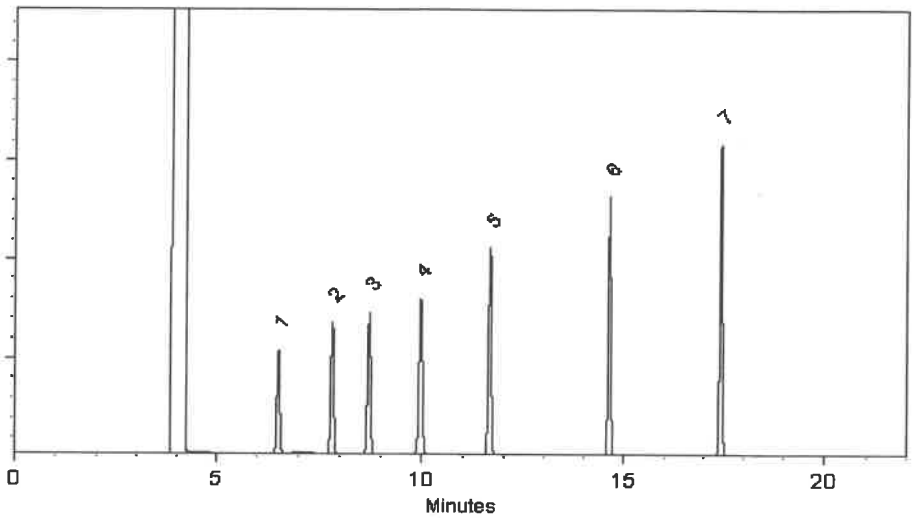
Inj. Temp:
200°C

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:

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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:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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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.)

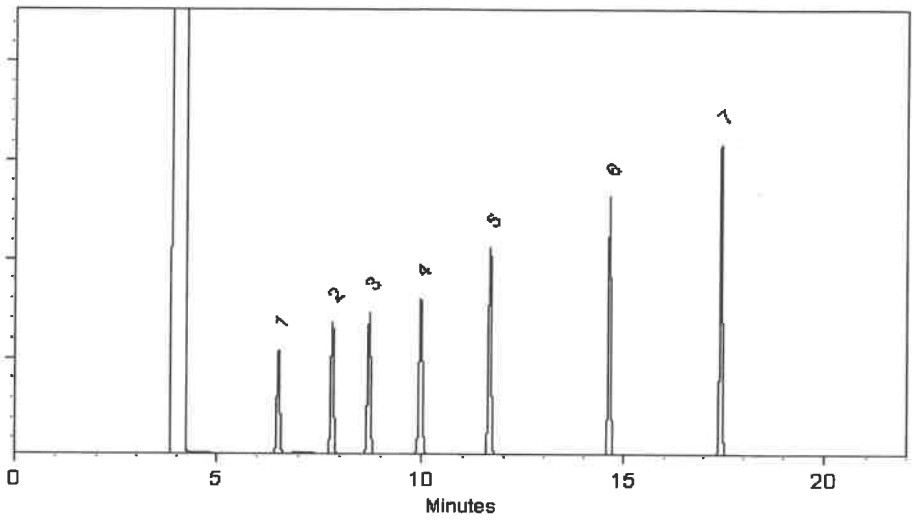
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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ISO/IEC 17025 Accredited
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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

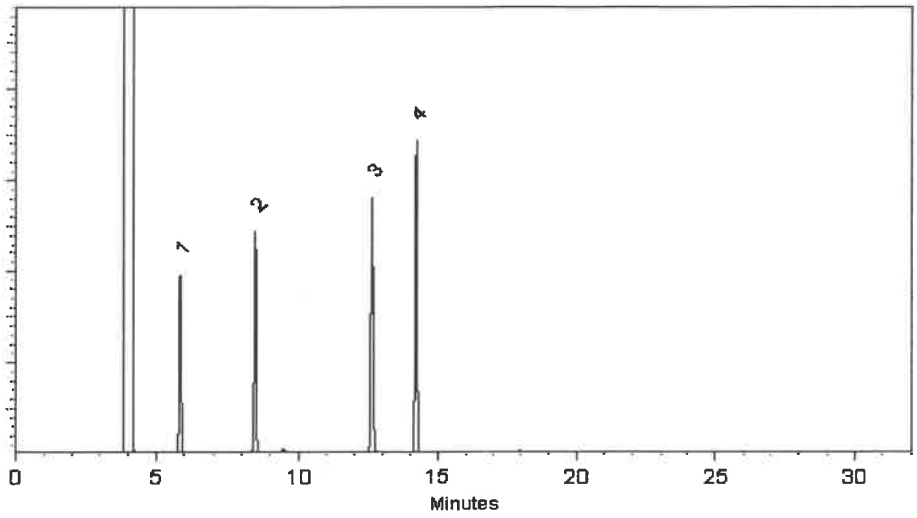
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

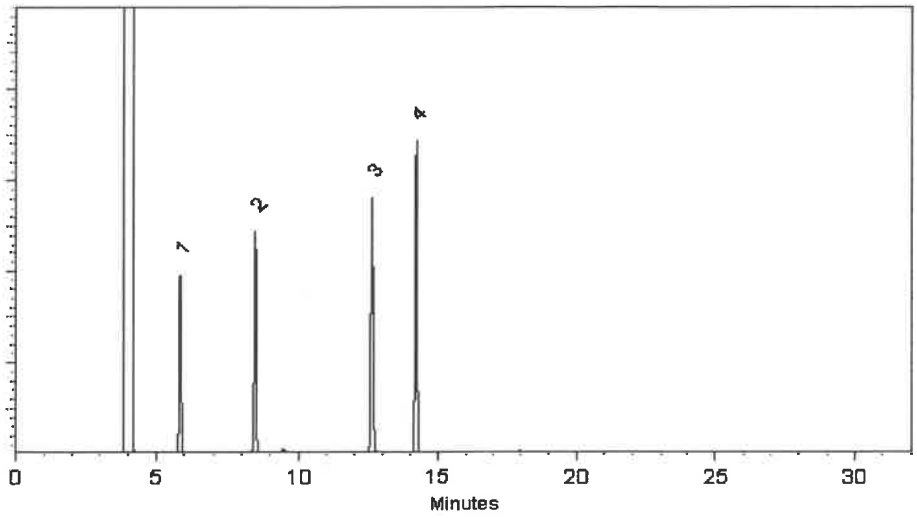
Inj. Temp:
200°C

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:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate of Analysis

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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. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

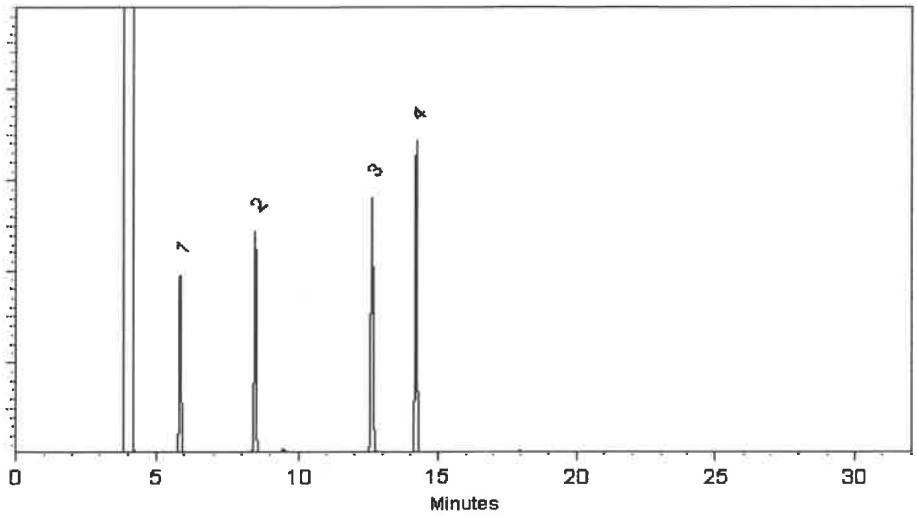
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Certified Uncertainty Value Notes:

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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.)

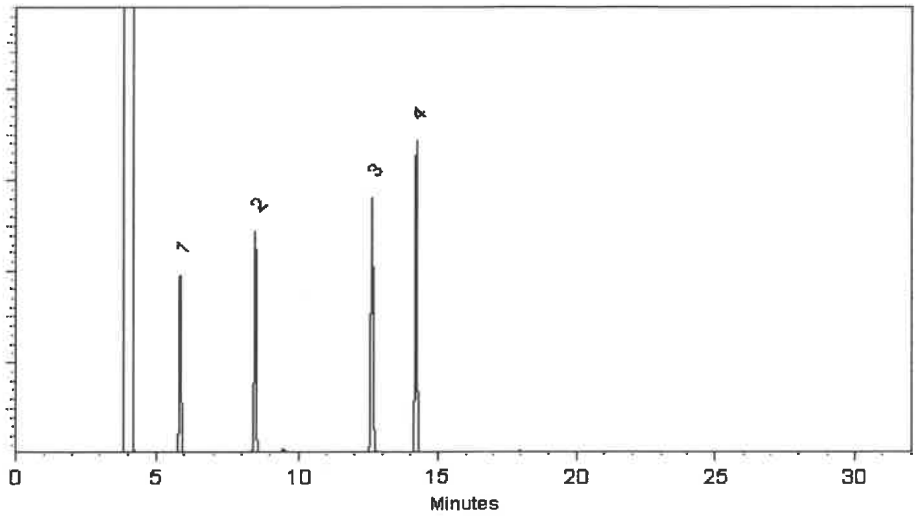
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

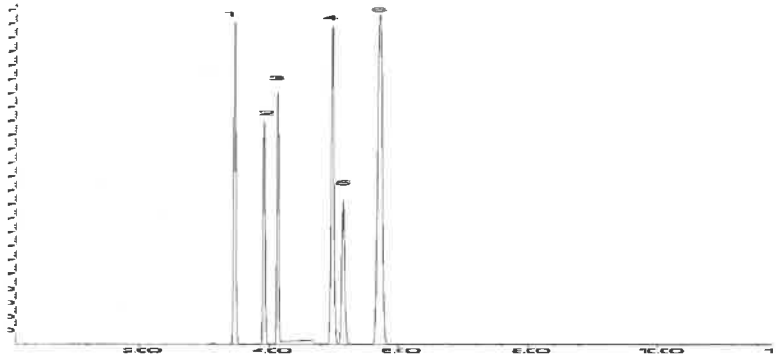
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to V14756

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

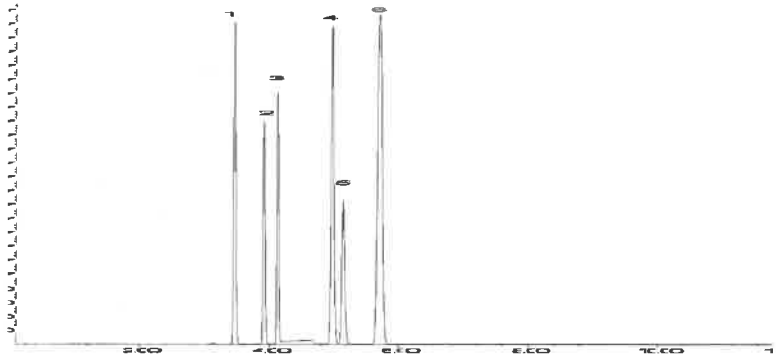
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

J14842 to 14846

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

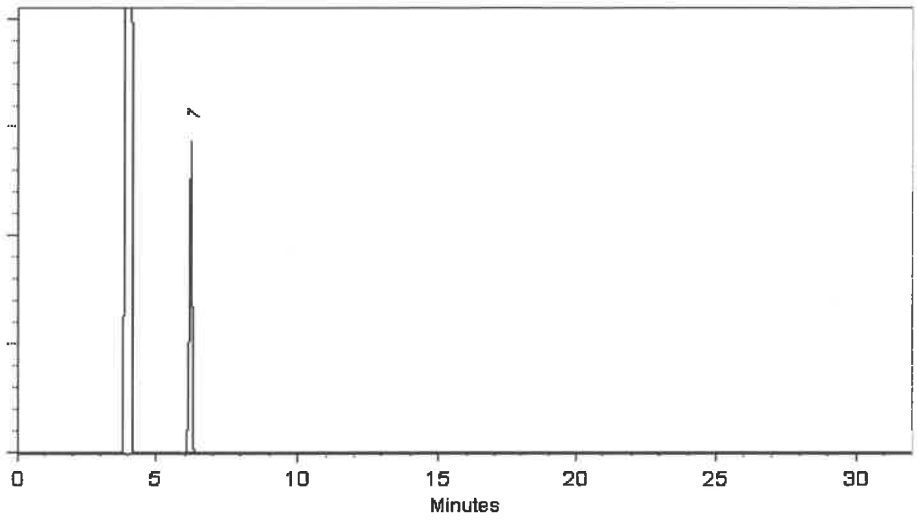
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

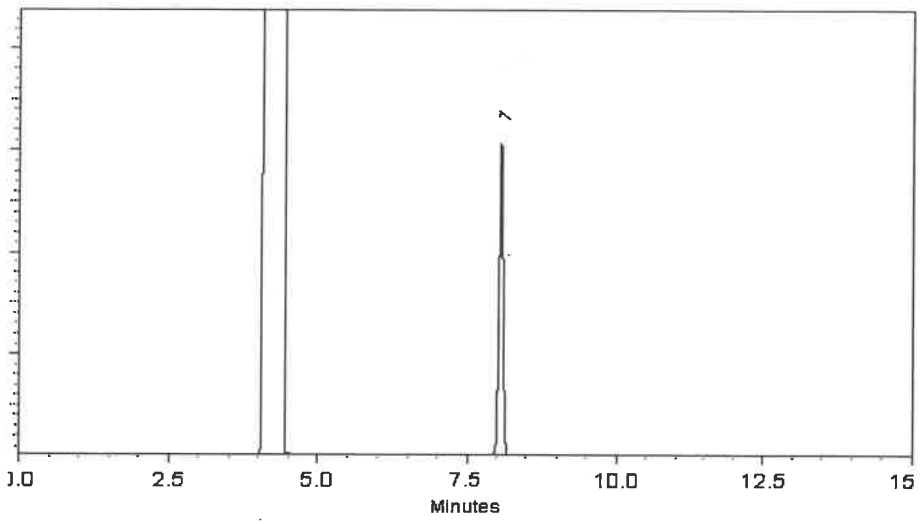
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- 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.
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Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

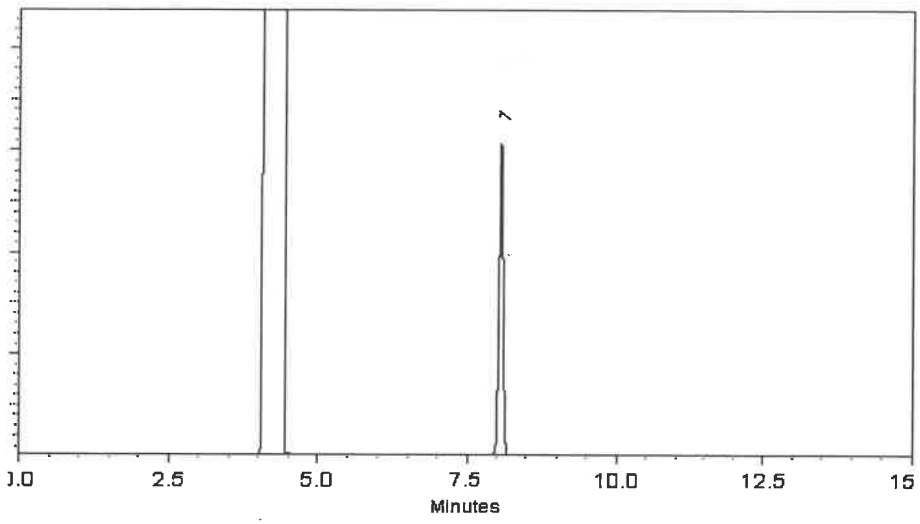
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V 14921 to
V 14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number: Q2082/83

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: SEE CONTRACT PO#
ADDRESS: 4433 Corporation Lane Suite 300	PROJECT #: 112G08005-WE13 LOCATION: VPB-182	ADDRESS:
CITY: Virginia Beach STATE: VA ZIP: 23462	PROJECT MANAGER: Ernie Wu	CITY: STATE: ZIP:
ATTENTION: Ernie Wu	E-MAIL: ernie.wu@tetratech.com	ATTENTION: PHONE:
PHONE: 757-466-4901 FAX: 757-461-4148	PHONE: 757-466-4901 FAX: 757-461-4148	

DATA TURNAROUND INFORMATION

FAX: 2 & 10 DAYS*
HARD COPY: 2 & 10 DAYS*
EDD 2 & 10 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

	1	2	3	4	5	6	7	8	9
	VOC(SW846-8260B)	1,4 Dioxane (8270 SIM)	1,4 Dioxane (522 PREC)						

PRESERVATIVES

	A		F						
	1	2	3	4	5	6	7	8	9

COMMENTS <-- Specify Preservatives: A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	A 1	2	F 3	4	5	6	7	8	9	COMMENTS
1.	BP-VPB-182-TB-20250515	QA		X	5/15/25	8:00	2	2									Trip Blank
2.	BP-VPB-182-GW-260-262	AQ		X	5/15/25	10:27	3	2	1								
3.	BP-VPB-182-GW-280-282	AQ		X	5/15/25	12:36	3	2									
4.	BP-VPB-182-GW-300-302	AQ		X	5/15/25	14:25	3	2	1								
5.	BP-VPB-182-GW-320-322	AQ		X	5/16/25	10:11	3	2									
6.	BP-VPB-182-GW-340-342	AQ		X	5/16/25	12:00	3	2	1								
7.	BP-VPB-182-GW-360-362	AQ		X	5/16/26	14:10	3	2									
8.	BP-VPB-182-GW-390-392	AQ		X	5/19/25	12:15	3	2	1								
9.	BP-VPB-182-GW-400-402	QA		X	5/19/25	14:15	6	6									8260 B MS/MSD
10.	VPB182-HYD-20250516	QA		X	5/16/25	14:30	5	2	1	2							Hydrant Sample

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME		
RELINQUISHED BY SAMPLER 1.	5/19/25 1530	RECEIVED BY 1.	1610 5-19-25
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	
RELINQUISHED BY 3.	DATE/TIME 5-19-25 1830	RECEIVED FOR LAB BY 3.	

Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp 2.2 C
MeOH extraction requires an additional 4oz. Jar for percent solid q Ice in
Cooler?:
Comments: 48hr TAT - For VOC's see worksheet #15 of SAP 2018 for VPB program VOC list
10-DAY TAT - For 1,4 Dioxane (8270 SIM)

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPYFOR 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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2082 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 5/19/2025 4:13:00 PM
Project Name : NWIRP Bethpage 112G080
Receive DateTime : 5/19/2025 ~~12:00:00~~ AM
Purchase Order : 18:30

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
Q2082-01	~~BP-TB-20250515~~ BP-VPB-182-TB-20250515	Water	05/15/2025	08:00	VOCMS Group1		8260-Low	~~10~~ Bus. Days	2 day tat	
Q2082-02	BP-VPB-182-GW-260-262	Water	05/15/2025	10:27	VOCMS Group1		8260-Low	10 Bus. Days		
Q2082-03	BP-VPB-182-GW-280-282	Water	05/15/2025	12:36	VOCMS Group1		8260-Low	~~1~~0 Bus. Days		
Q2082-04	BP-VPB-182-GW-300-302	Water	05/15/2025	14:25	VOCMS Group1		8260-Low	~~10~~ Bus. Days		
Q2082-05	BP-VPB-182-GW-320-322	Water	05/16/2025	10:11	VOCMS Group1		8260-Low	~~10~~ Bus. Days		
Q2082-07	BP-VPB-182-GW-360-362	Water	05/16/2025	14:10	VOCMS Group1		8260-Low	~~10~~ Bus. Days		
Q2082-08	BP-VPB-182-GW-390-392	Water	05/19/2025	12:15	VOCMS Group1		8260-Low	~~10~~ Bus. Days		
Q2082-09	BP-VPB-182-GW-400-402	Water	05/19/2025	14:15						

Alliance TECHNICAL GROUP
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 : Level 4
EDD Type : ADAPT
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	2 day tat	
Q2082-10	Q2082-09MS	Water	05/19/2025	14:15						
					VOCMS Group1		8260-Low	10 Bus. Days		
Q2082-11	Q2082-09MSD	Water	05/19/2025	14:15						
					VOCMS Group1		8260-Low	~~10~~ Bus. Days		
Q2082-12	VPB182-HYD-20250516	Water	05/16/2025	14:30						
					VOCMS Group1		8260-Low	10 Bus. Days		

Relinguished By :
Date / Time : 5/20/25 1147

Received By : Sam
Date / Time : 05/20/25 11:47

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.543	168	83671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147096	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	127829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	31909	12.820	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	25.640%#		
35) Dibromofluoromethane	5.385	113	21112	12.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	25.600%#		
50) Toluene-d8	8.646	98	73333	13.200	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	26.400%#		
62) 4-Bromofluorobenzene	11.079	95	26760	13.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	26.480%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	23341	12.638	ug/l	96
3) Chloromethane	1.306	50	24316	13.371	ug/l	98
4) Vinyl Chloride	1.373	62	22096	13.868	ug/l	94
5) Bromomethane	1.593	94	9920	12.279	ug/l	93
6) Chloroethane	1.666	64	11832	14.414	ug/l	95
7) Trichlorofluoromethane	1.873	101	34636	14.271	ug/l	100
8) Diethyl Ether	2.129	74	11392	14.278	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.324	101	21027	14.499	ug/l	98
10) Methyl Iodide	2.446	142	25661	15.070	ug/l	99
11) Tert butyl alcohol	2.971	59	20370	68.662	ug/l	97
12) 1,1-Dichloroethene	2.312	96	18899	13.385	ug/l	98
13) Acrolein	2.233	56	26427	76.689	ug/l	95
14) Allyl chloride	2.660	41	37708	14.133	ug/l	99
15) Acrylonitrile	3.062	53	63290	71.312	ug/l	98
16) Acetone	2.379	43	60363	70.884	ug/l	99
17) Carbon Disulfide	2.501	76	43348	13.251	ug/l	100
18) Methyl Acetate	2.702	43	27234	13.397	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	68402	13.890	ug/l	100
20) Methylene Chloride	2.782	84	23050	13.362	ug/l	96
21) trans-1,2-Dichloroethene	3.086	96	19161	13.294	ug/l	96
22) Diisopropyl ether	3.763	45	74257	14.896	ug/l	95
23) Vinyl Acetate	3.720	43	322598	73.230	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41257	14.082	ug/l	98
25) 2-Butanone	4.556	43	90331	73.489	ug/l	98
26) 2,2-Dichloropropane	4.470	77	30472	13.729	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	23970	13.791	ug/l	98
28) Bromochloromethane	4.897	49	21028	13.497	ug/l	99
29) Tetrahydrofuran	5.007	42	56819	71.175	ug/l	100
30) Chloroform	5.086	83	43065	14.144	ug/l	95
31) Cyclohexane	5.458	56	36470	14.769	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	37003	14.092	ug/l	98
36) 1,1-Dichloropropene	5.684	75	27242	14.231	ug/l	98
37) Ethyl Acetate	4.720	43	33458	13.931	ug/l	98
38) Carbon Tetrachloride	5.671	117	31091	14.137	ug/l	98
39) Methylcyclohexane	7.372	83	35077	14.623	ug/l	99
40) Benzene	6.031	78	83898	14.140	ug/l	97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.915	41	18732	14.038 ug/l		95
42) 1,2-Dichloroethane	6.080	62	37203	15.165 ug/l		100
43) Isopropyl Acetate	6.342	43	53275	14.512 ug/l		99
44) Trichloroethene	7.116	130	20239	14.429 ug/l		99
45) 1,2-Dichloropropane	7.427	63	20940	14.204 ug/l		98
46) Dibromomethane	7.580	93	16781	14.439 ug/l		99
47) Bromodichloromethane	7.817	83	32762	14.545 ug/l		94
48) Methyl methacrylate	7.689	41	27374	14.521 ug/l		100
49) 1,4-Dioxane	7.659	88	10585	282.442 ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	182455	75.775 ug/l		98
52) Toluene	8.713	92	52030	14.788 ug/l		99
53) t-1,3-Dichloropropene	8.976	75	27549	14.566 ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	31226	14.154 ug/l		98
55) 1,1,2-Trichloroethane	9.152	97	20536	14.442 ug/l		96
56) Ethyl methacrylate	9.116	69	31787	14.425 ug/l		98
57) 1,3-Dichloropropane	9.305	76	36341	14.417 ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	79531	80.312 ug/l		100
59) 2-Hexanone	9.427	43	137054	74.997 ug/l		99
60) Dibromochloromethane	9.518	129	22267	14.387 ug/l		99
61) 1,2-Dibromoethane	9.610	107	21113	14.458 ug/l		96
64) Tetrachloroethene	9.268	164	19924	15.263 ug/l		97
65) Chlorobenzene	10.079	112	55863	14.202 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.158	131	18671	14.231 ug/l		98
67) Ethyl Benzene	10.189	91	98113	14.631 ug/l		100
68) m/p-Xylenes	10.299	106	72202	29.806 ug/l		99
69) o-Xylene	10.640	106	35178	14.408 ug/l		96
70) Styrene	10.652	104	58034	14.853 ug/l		98
71) Bromoform	10.799	173	13825	14.030 ug/l	#	100
73) Isopropylbenzene	10.957	105	93013	14.096 ug/l		99
74) N-amyl acetate	10.841	43	44684	13.581 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	31830	13.560 ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	34837	13.811 ug/l		89
77) Bromobenzene	11.195	156	21695	14.212 ug/l		96
78) n-propylbenzene	11.298	91	106337	14.376 ug/l		99
79) 2-Chlorotoluene	11.359	91	68534	13.748 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	79261	14.468 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	8104	13.371 ug/l		91
82) 4-Chlorotoluene	11.451	91	77338	14.116 ug/l		100
83) tert-Butylbenzene	11.713	119	75382	14.011 ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	79232	14.480 ug/l		99
85) sec-Butylbenzene	11.890	105	95271	14.263 ug/l		100
86) p-Isopropyltoluene	12.006	119	77599	14.387 ug/l		98
87) 1,3-Dichlorobenzene	11.969	146	39520	13.898 ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	39419	14.146 ug/l		99
89) n-Butylbenzene	12.329	91	66506	14.184 ug/l		99
90) Hexachloroethane	12.536	117	13332	13.287 ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	39031	14.092 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	7232	13.535 ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	20846	13.745 ug/l		99
94) Hexachlorobutadiene	13.725	225	9524	13.426 ug/l		97
95) Naphthalene	13.774	128	77542	14.040 ug/l		99
96) 1,2,3-Trichlorobenzene	13.956	180	22301	14.023 ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046041.D
Acq On : 05 May 2025 11:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 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\VX050525\
Data File : VX046041.D
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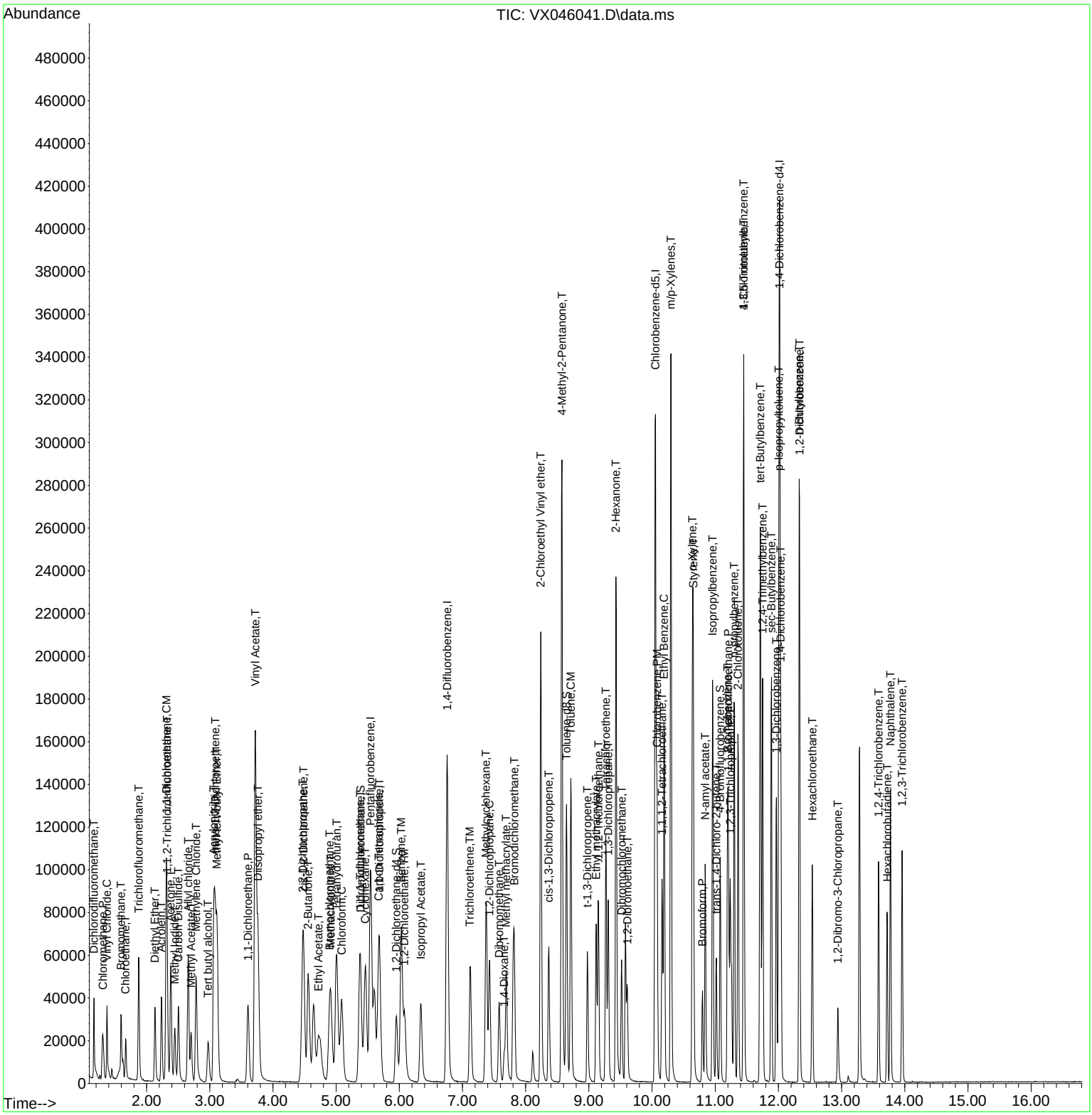
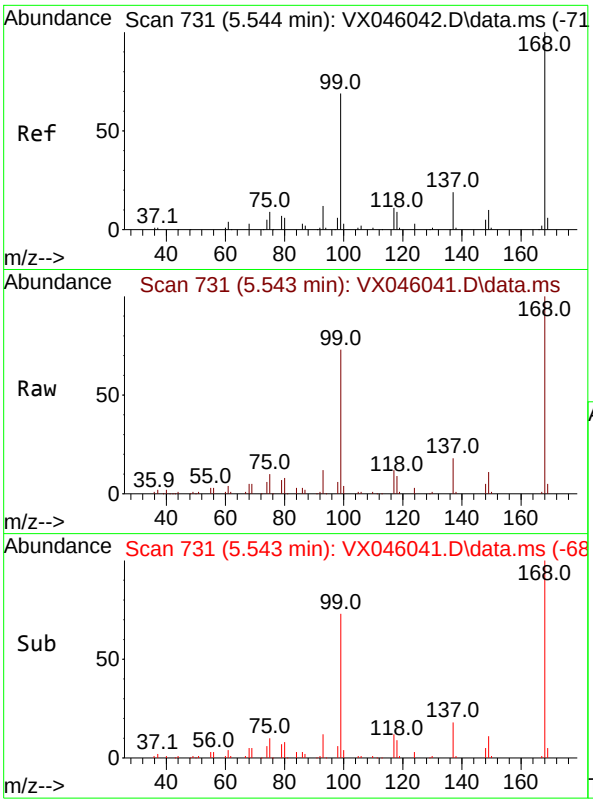
Quant Time: May 06 06:08:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration



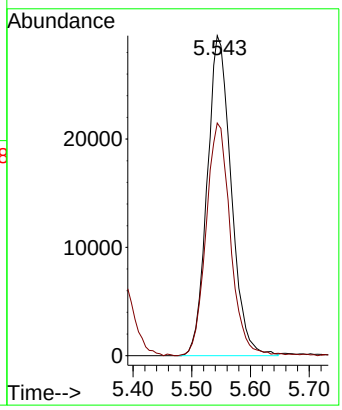


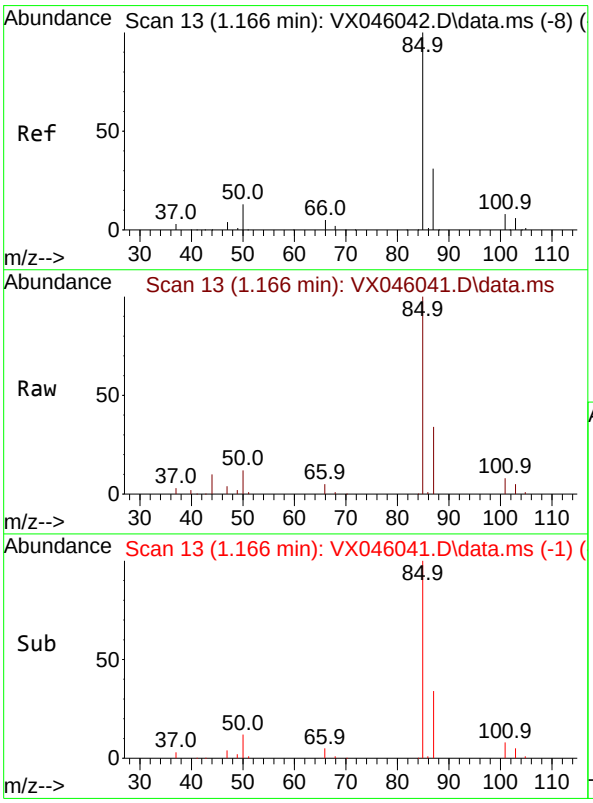
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 7
Delta R.T. -0.001 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 83671

Ion	Ratio	Lower	Upper
168	100		
99	72.7	54.9	82.3

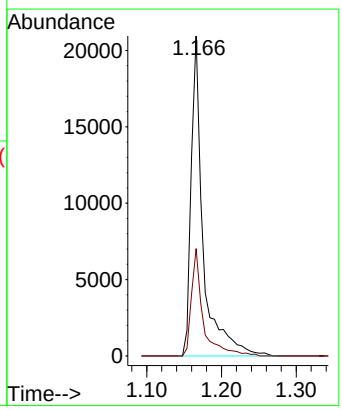


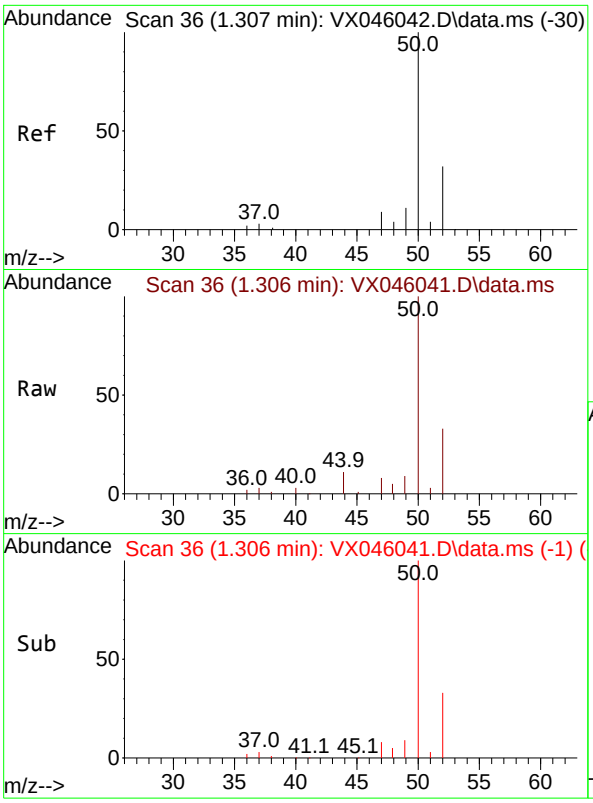


#2
Dichlorodifluoromethane
Concen: 12.638 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 85 Resp: 23341

Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.7	47.1



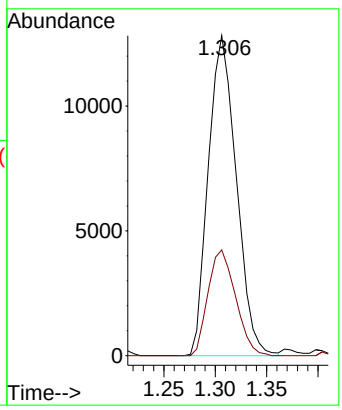


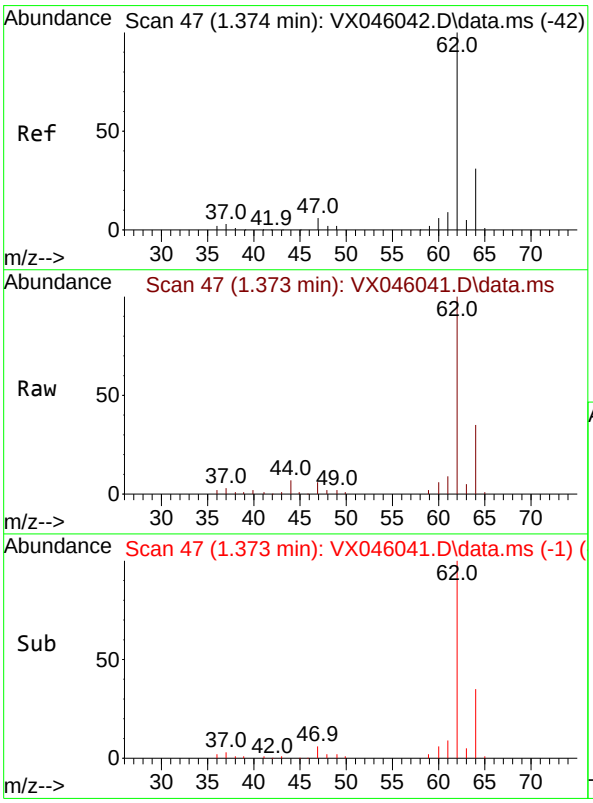
#3
Chloromethane
Concen: 13.371 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 24316

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.4	38.2

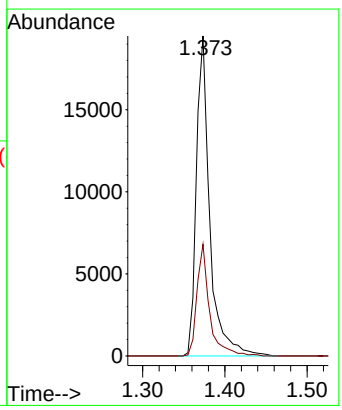


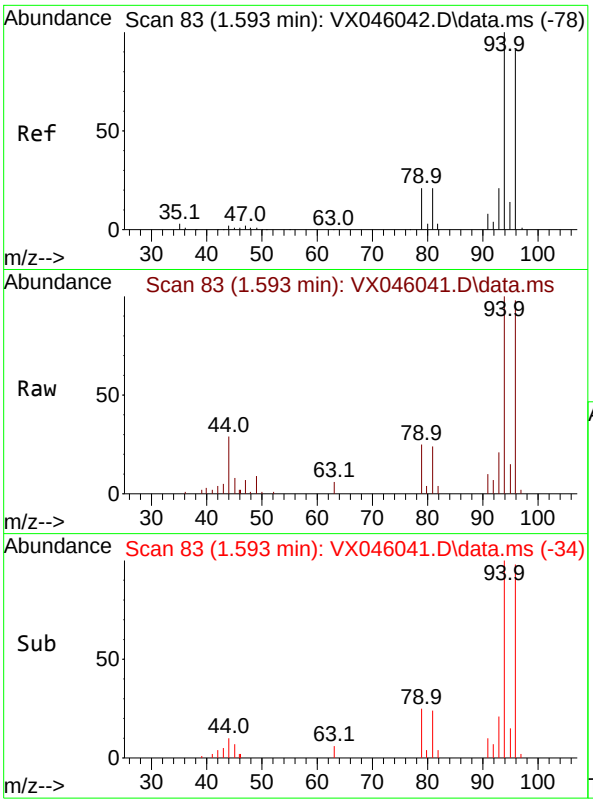


#4
Vinyl Chloride
Concen: 13.868 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 62 Resp: 22096

Ion	Ratio	Lower	Upper
62	100		
64	34.9	25.2	37.8



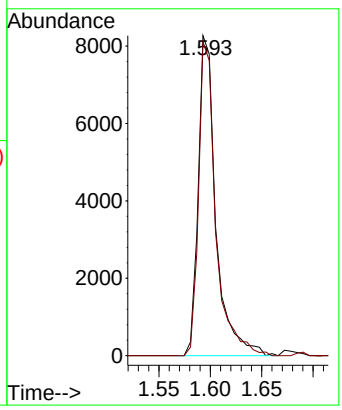


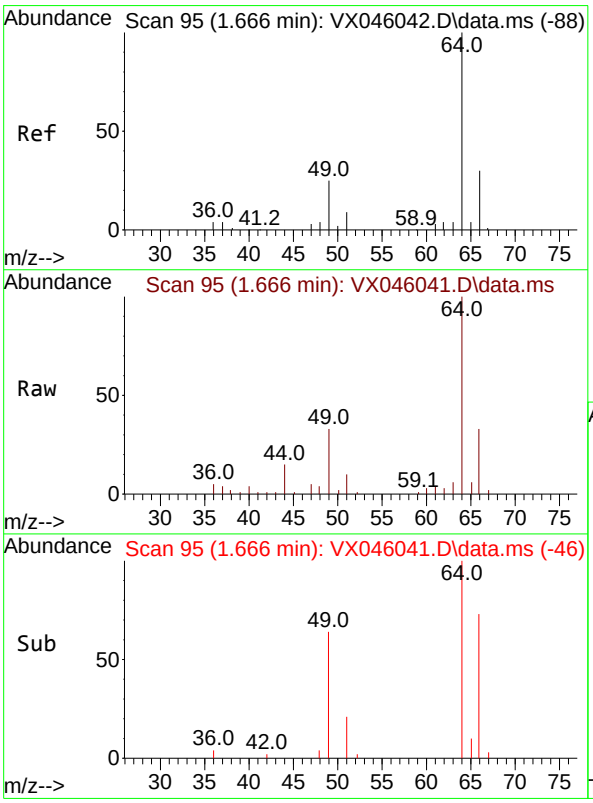
#5
Bromomethane
Concen: 12.279 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 9920

Ion	Ratio	Lower	Upper
94	100		
96	98.1	72.8	109.2

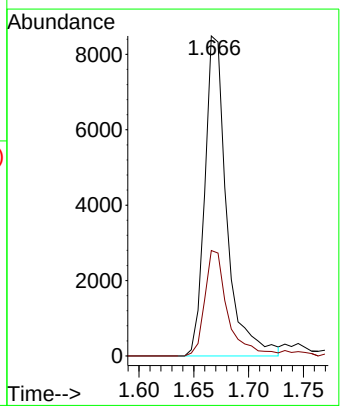


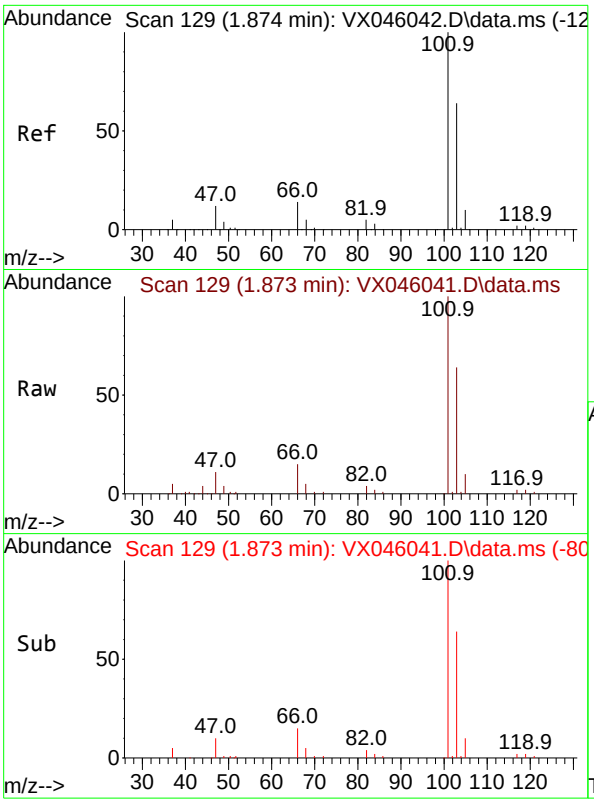


#6
Chloroethane
Concen: 14.414 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 64 Resp: 11832

Ion	Ratio	Lower	Upper
64	100		
66	32.9	24.3	36.5



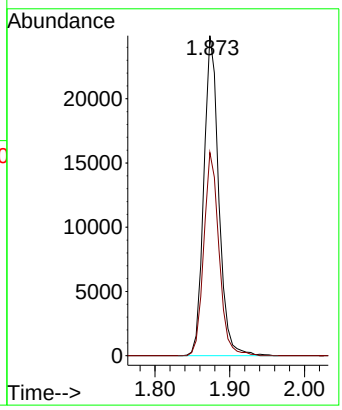


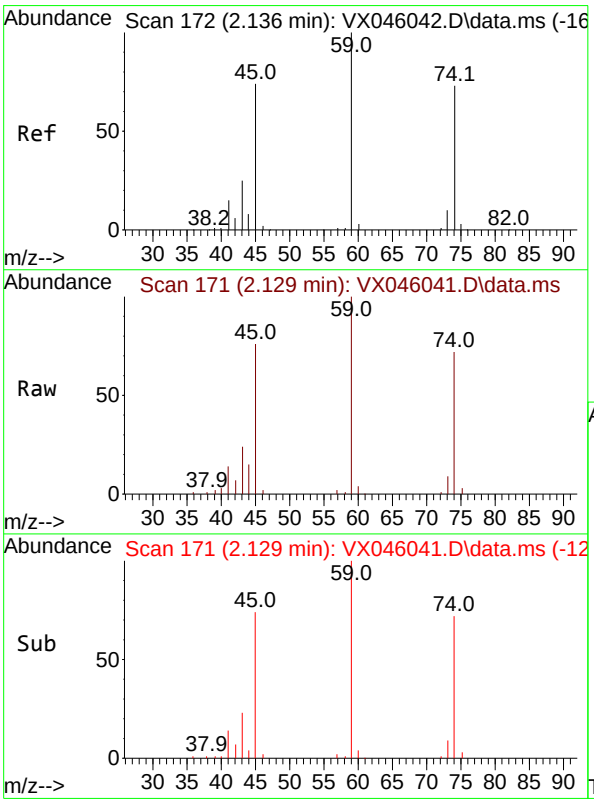
#7
Trichlorofluoromethane
Concen: 14.271 ug/l
RT: 1.873 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 34636

Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.0	76.4

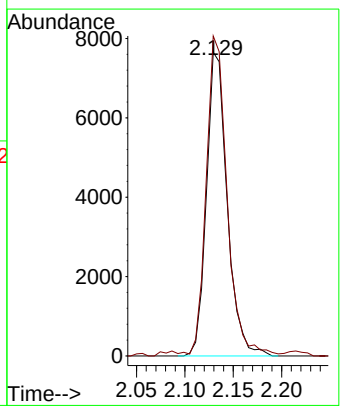


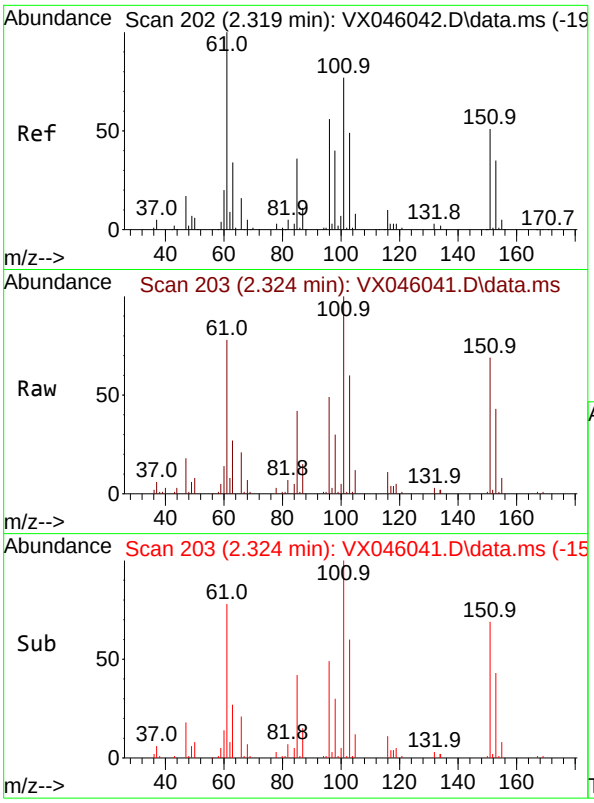


#8
Diethyl Ether
Concen: 14.278 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 74 Resp: 11392

Ion	Ratio	Lower	Upper
74	100		
45	103.7	54.9	164.8



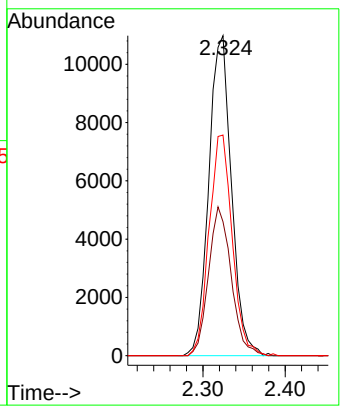


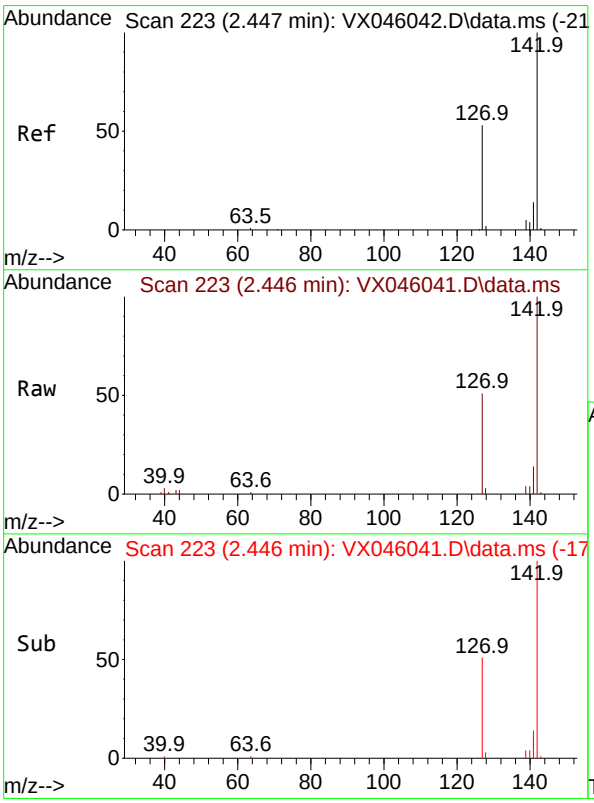
#9
1,1,2-Trichlorotrifluoroethane
Concen: 14.499 ug/l
RT: 2.324 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 21027

Ion	Ratio	Lower	Upper
101	100		
85	46.6	38.6	58.0
151	70.4	55.2	82.8

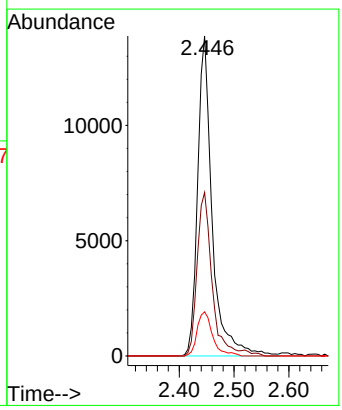


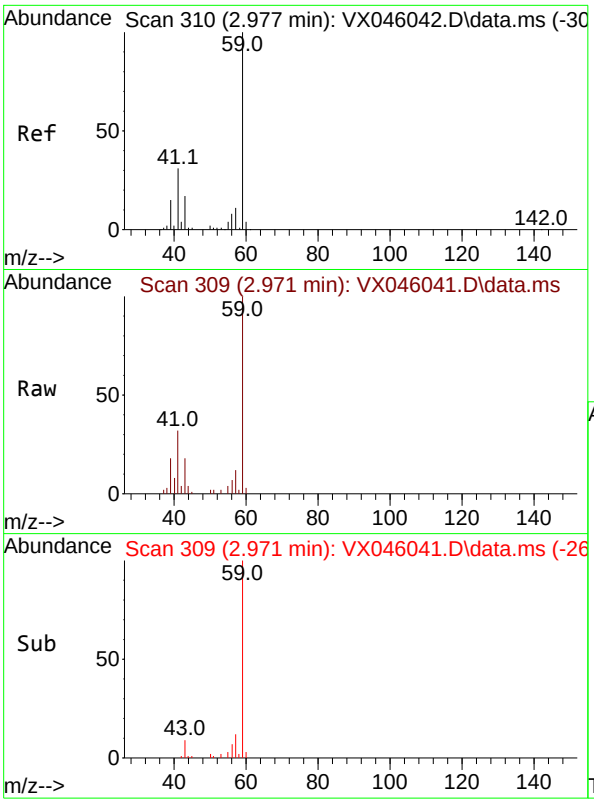


#10
Methyl Iodide
Concen: 15.070 ug/l
RT: 2.446 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:142 Resp: 25661

Ion	Ratio	Lower	Upper
142	100		
127	53.0	41.7	62.5
141	14.7	11.5	17.3



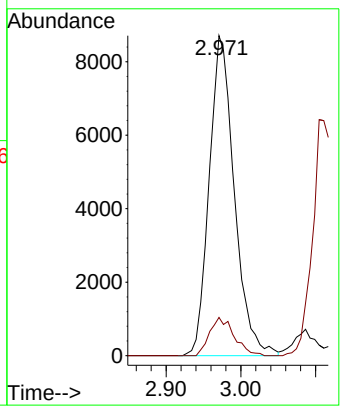


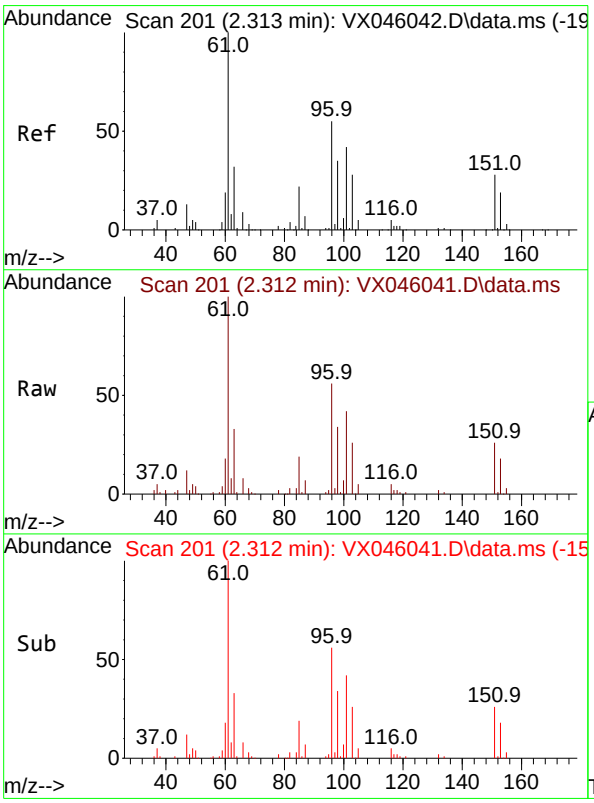
#11
Tert butyl alcohol
Concen: 68.662 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 20370

Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.6	12.8

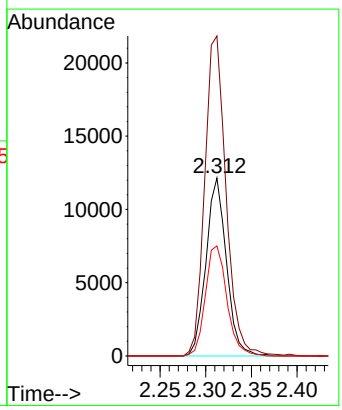


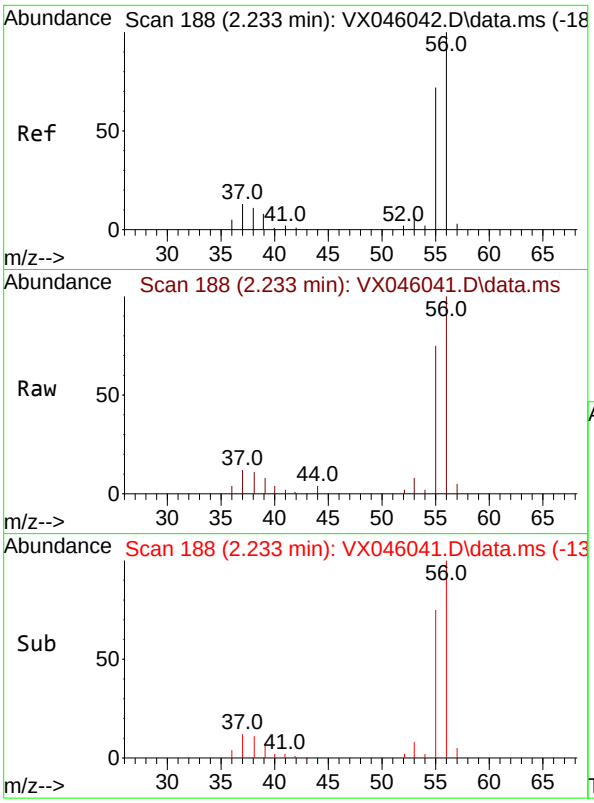


#12
1,1-Dichloroethene
Concen: 13.385 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 96 Resp: 18899

Ion	Ratio	Lower	Upper
96	100		
61	179.8	146.2	219.2
98	61.8	51.0	76.6



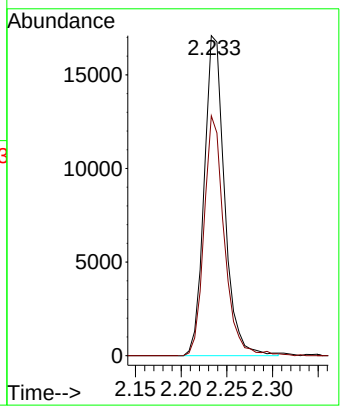


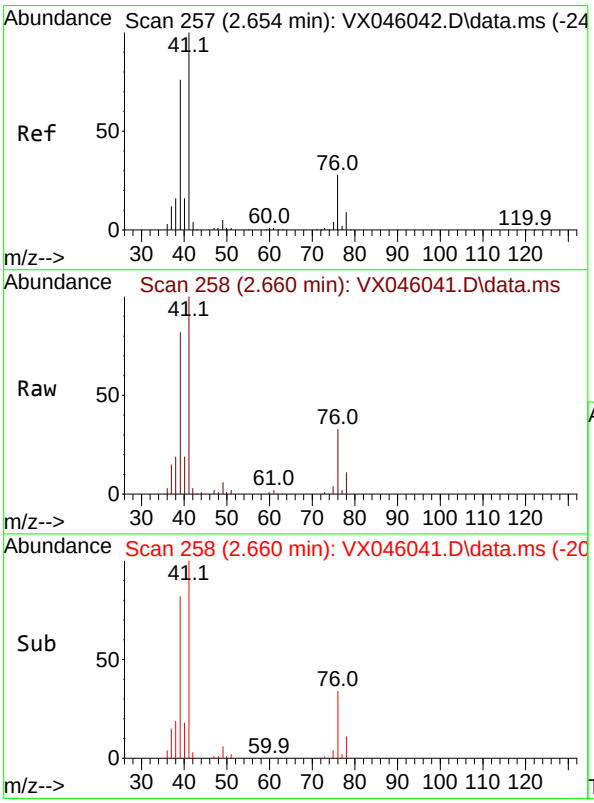
#13
Acrolein
Concen: 76.689 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 26427

Ion	Ratio	Lower	Upper
56	100		
55	74.3	56.2	84.4

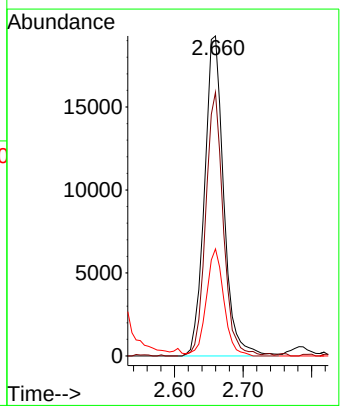


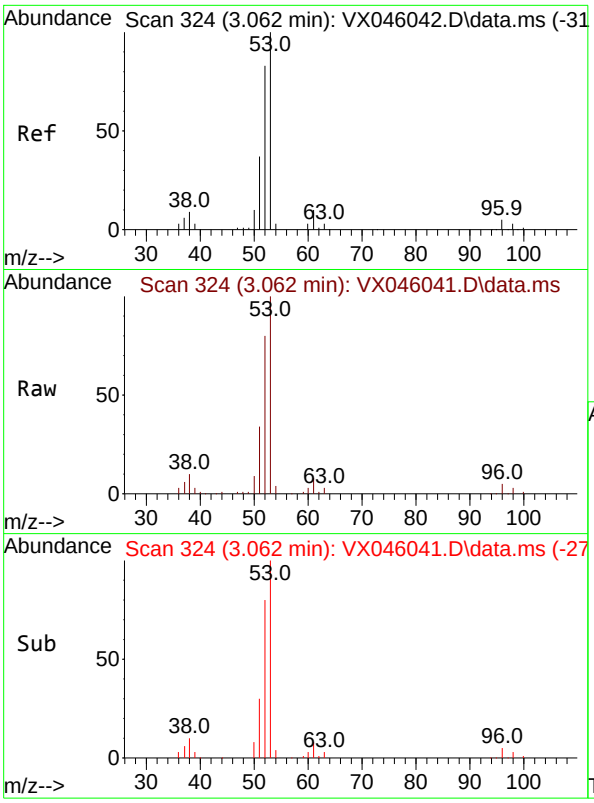


#14
Allyl chloride
Concen: 14.133 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 41 Resp: 37708

Ion	Ratio	Lower	Upper
41	100		
39	75.0	60.6	90.8
76	30.6	24.9	37.3



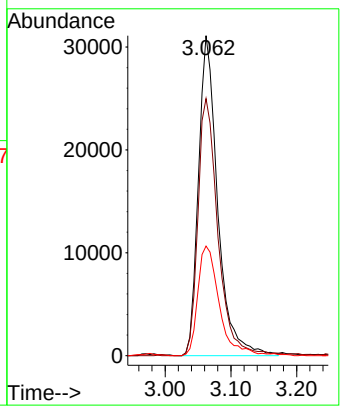


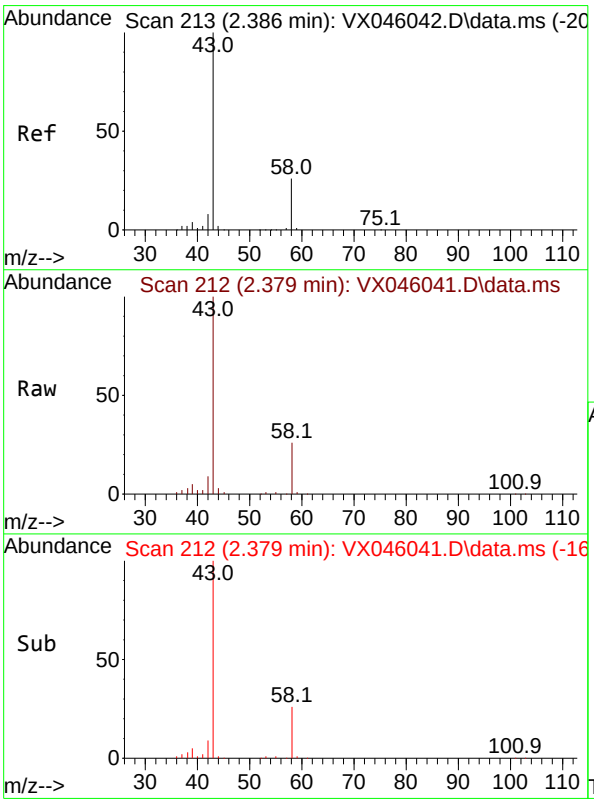
#15
Acrylonitrile
Concen: 71.312 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 63290

Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.3	97.9
51	38.4	29.8	44.8

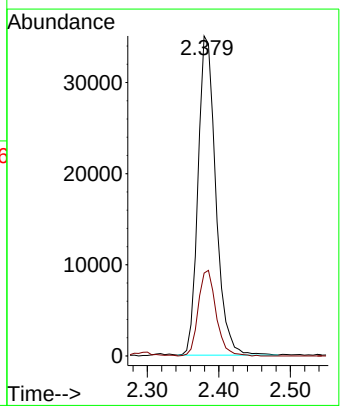


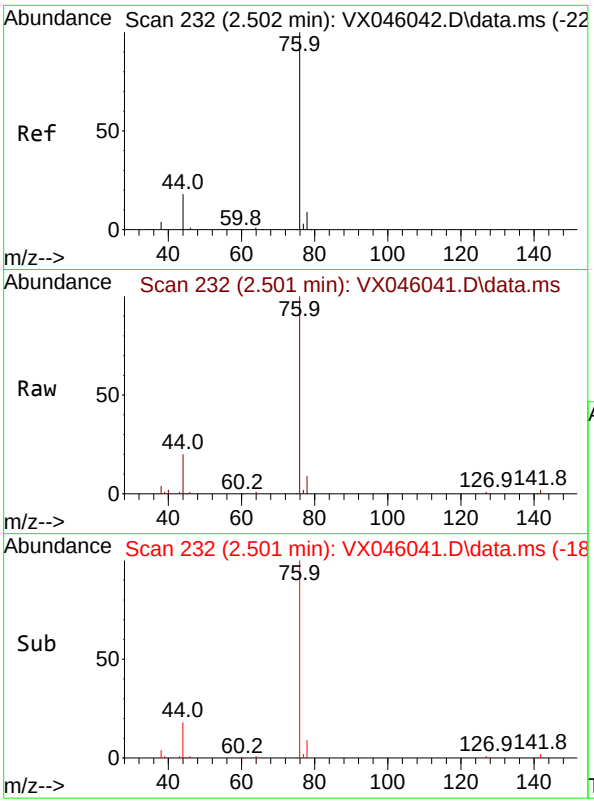


#16
Acetone
Concen: 70.884 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 60363

Ion	Ratio	Lower	Upper
43	100		
58	26.0	21.2	31.8



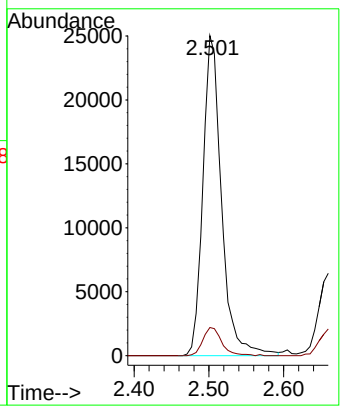


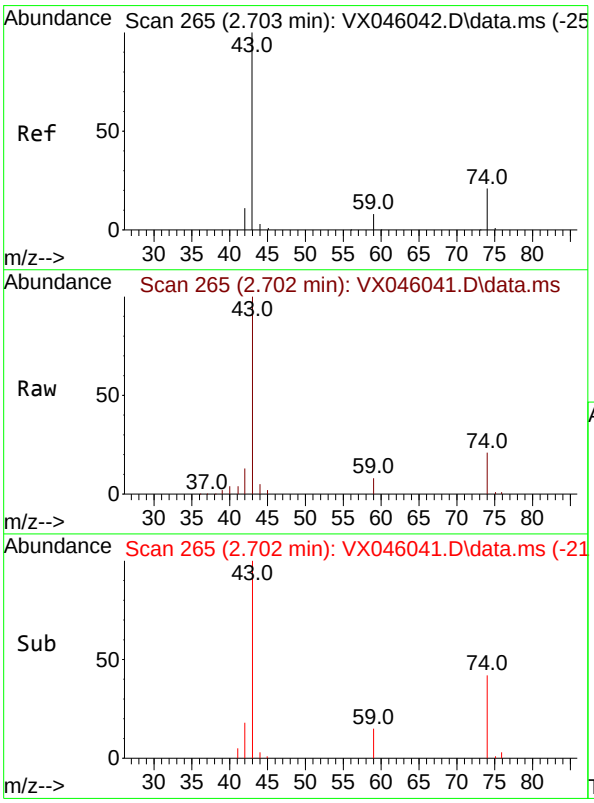
#17
Carbon Disulfide
Concen: 13.251 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 43348

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

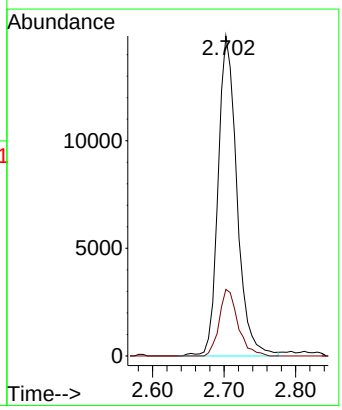


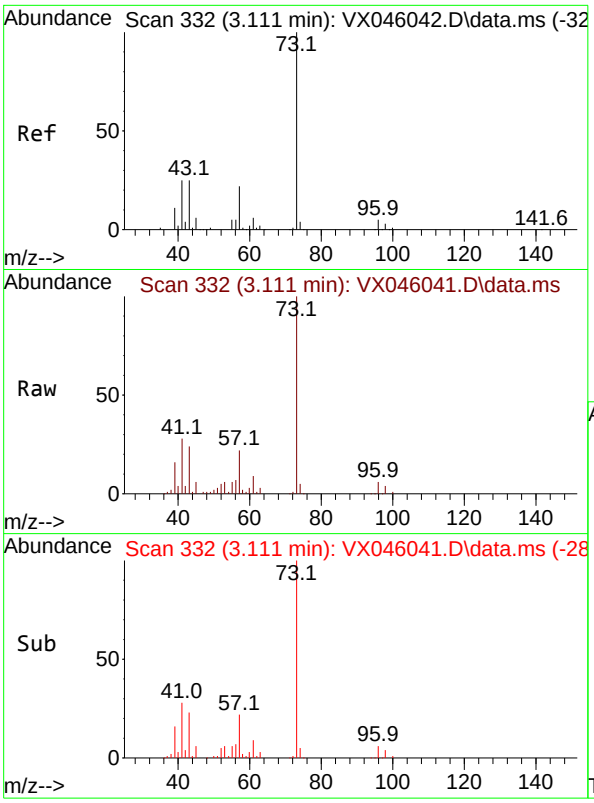


#18
Methyl Acetate
Concen: 13.397 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 27234

Ion	Ratio	Lower	Upper
43	100		
74	20.7	16.7	25.1



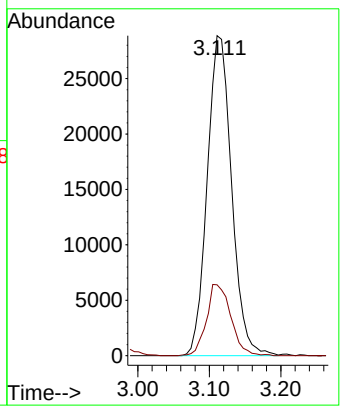


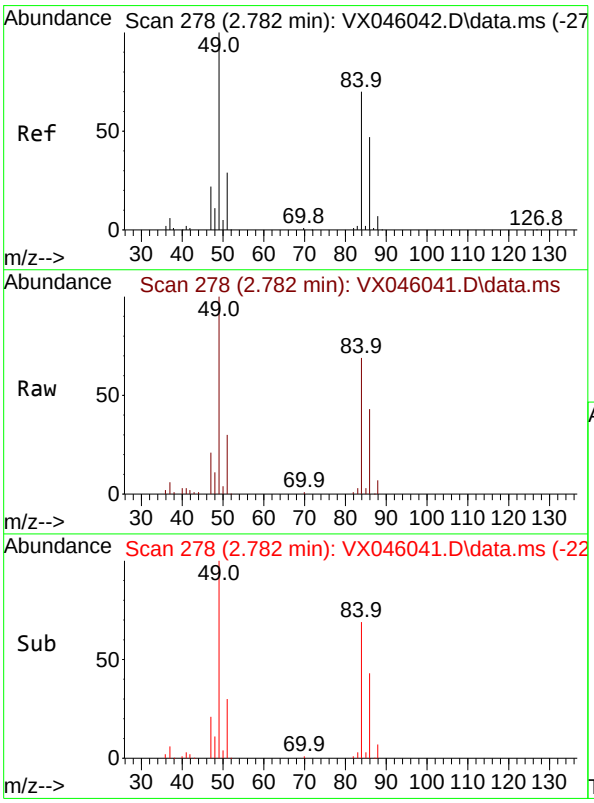
#19
Methyl tert-butyl Ether
Concen: 13.890 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 68402

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.7	26.5

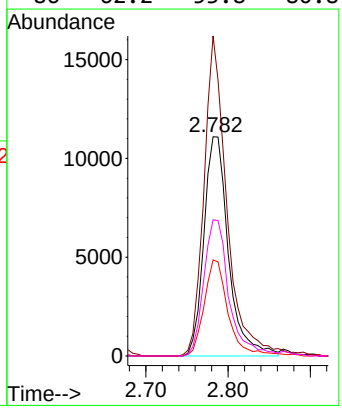


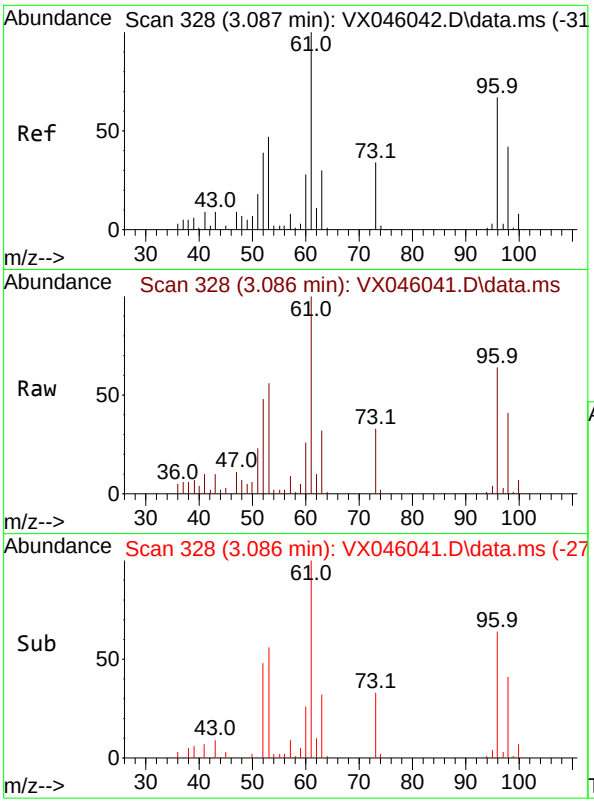


#20
Methylene Chloride
Concen: 13.362 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 84 Resp: 23050

Ion	Ratio	Lower	Upper
84	100		
49	146.0	113.9	170.9
51	43.8	33.5	50.3
86	62.2	53.8	80.8



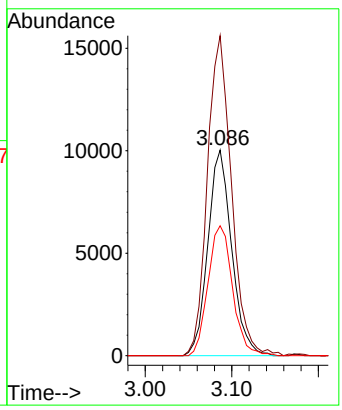


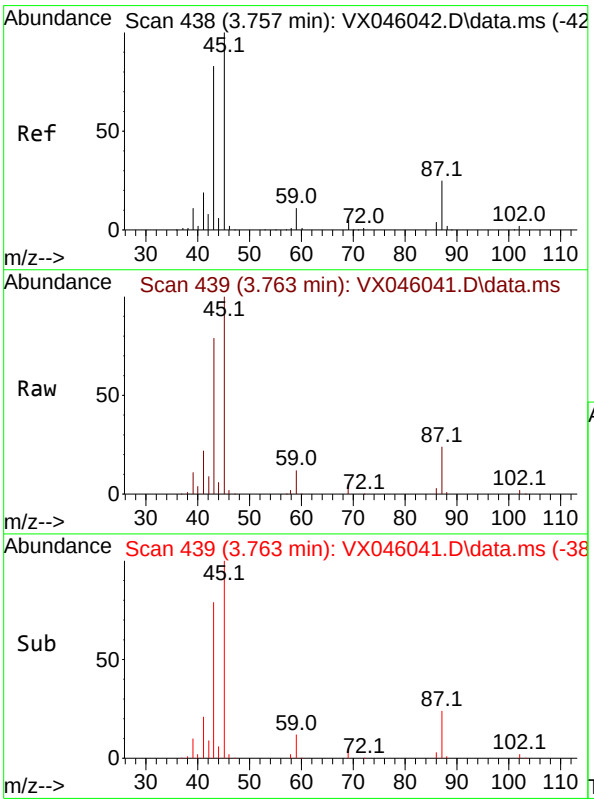
#21
trans-1,2-Dichloroethene
Concen: 13.294 ug/l
RT: 3.086 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 19161

Ion	Ratio	Lower	Upper
96	100		
61	155.6	119.5	179.3
98	63.2	50.0	75.0

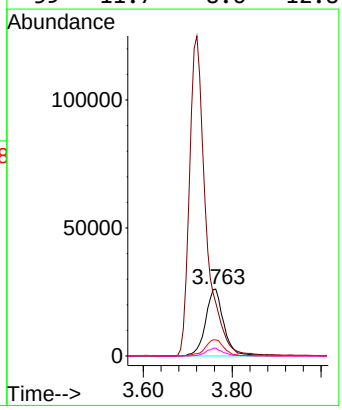


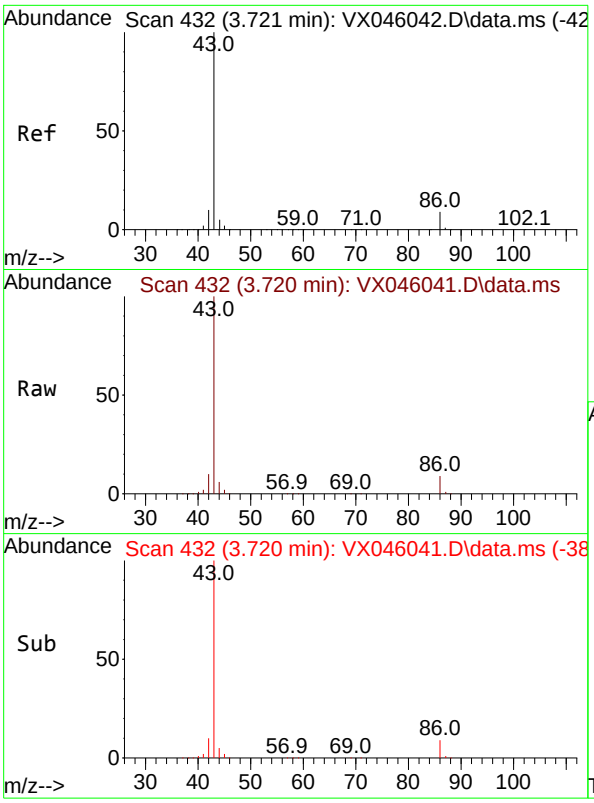


#22
Diisopropyl ether
Concen: 14.896 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 45 Resp: 74257

Ion	Ratio	Lower	Upper
45	100		
43	78.2	66.6	100.0
87	24.0	19.8	29.6
59	11.7	8.6	12.8



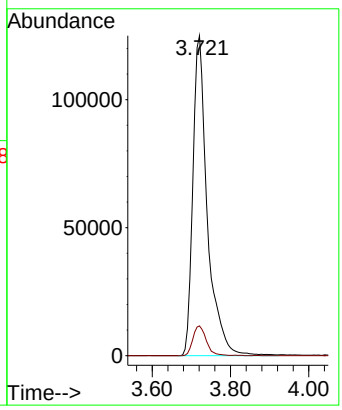


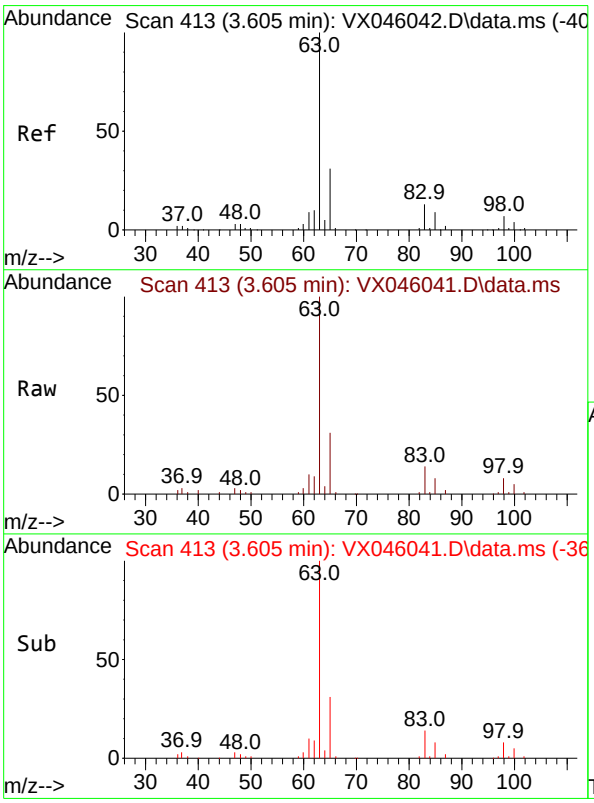
#23
Vinyl Acetate
Concen: 73.230 ug/l
RT: 3.720 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 322598

Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.5	11.3

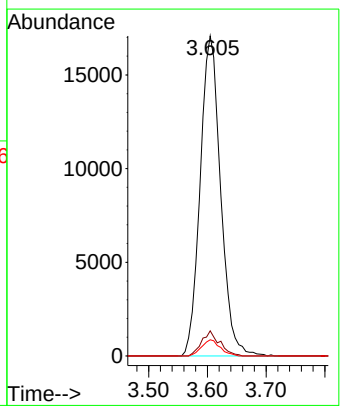


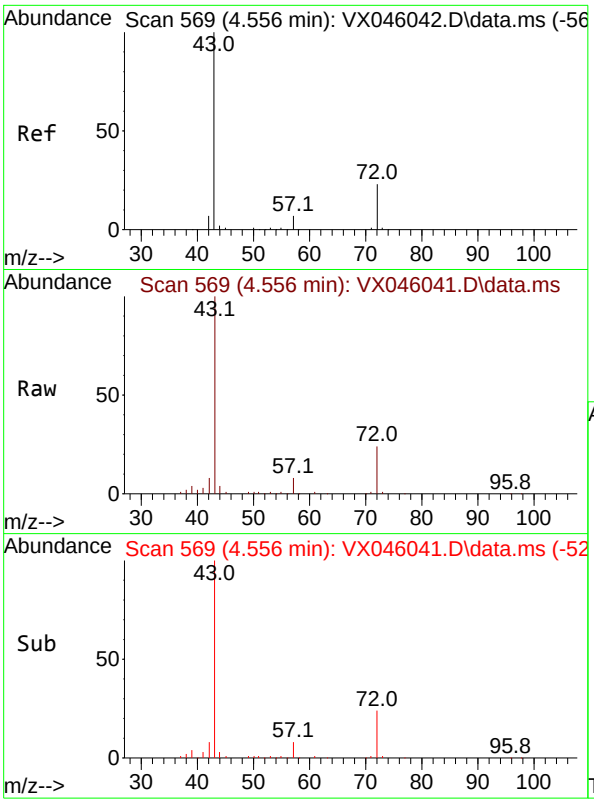


#24
1,1-Dichloroethane
Concen: 14.082 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 41257

Ion	Ratio	Lower	Upper
63	100		
98	7.9	3.6	10.8
100	5.0	2.1	6.3



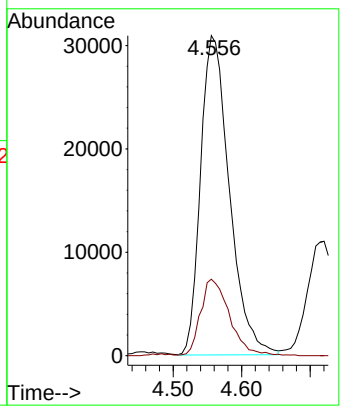


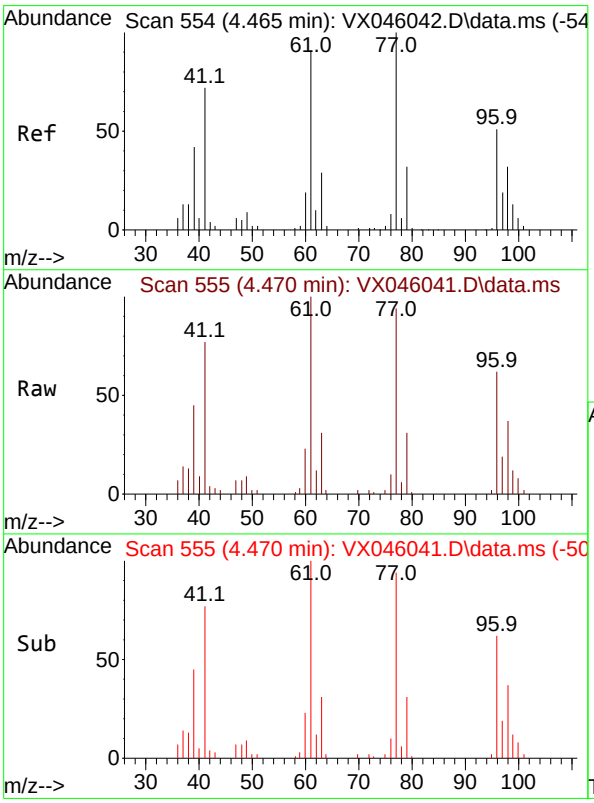
#25
2-Butanone
Concen: 73.489 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 90331

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.4	27.6

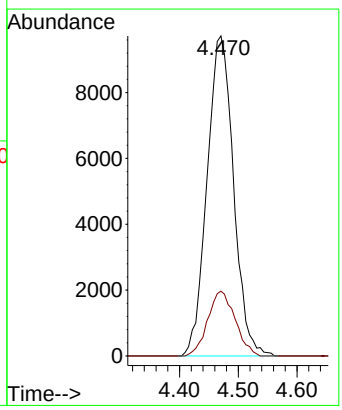


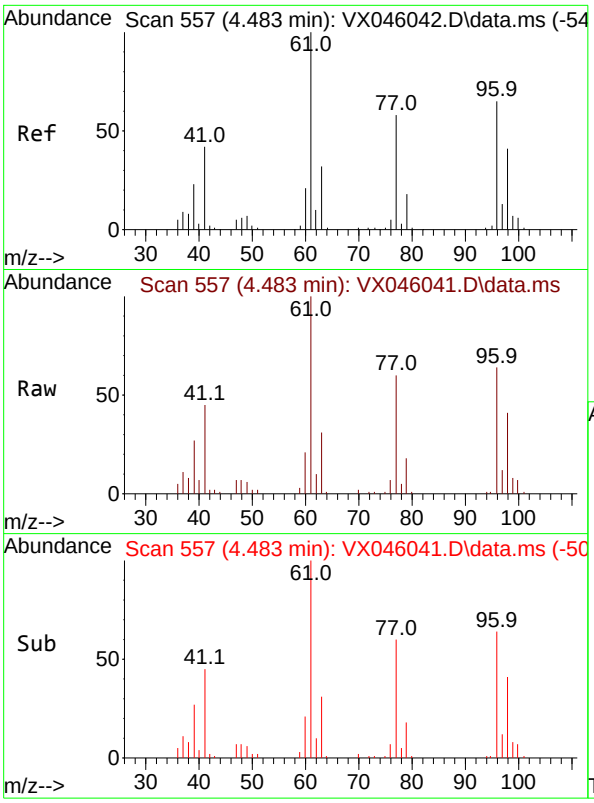


#26
2,2-Dichloropropane
Concen: 13.729 ug/l
RT: 4.470 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 77 Resp: 30472

Ion	Ratio	Lower	Upper
77	100		
97	20.9	10.5	31.5



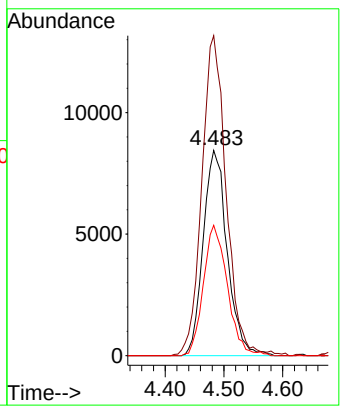


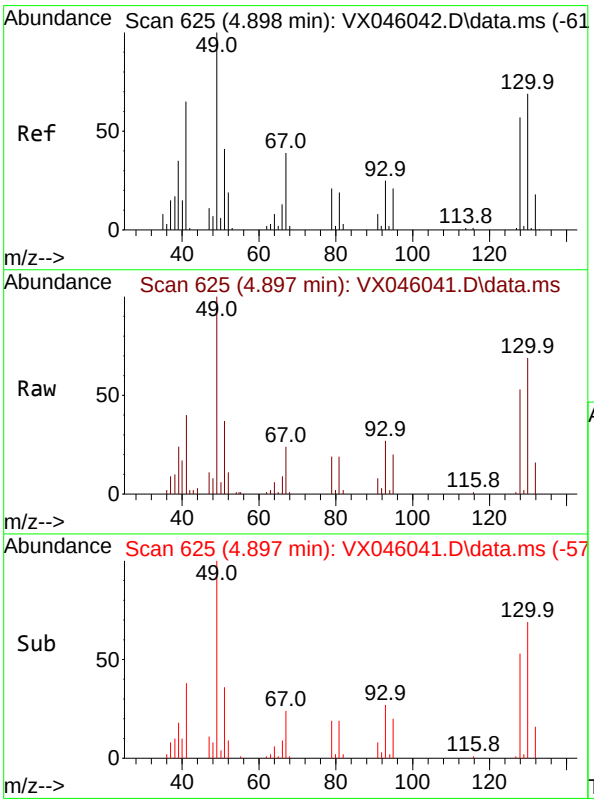
#27
cis-1,2-Dichloroethene
Concen: 13.791 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 23970

Ion	Ratio	Lower	Upper
96	100		
61	158.3	0.0	322.8
98	63.5	0.0	129.0

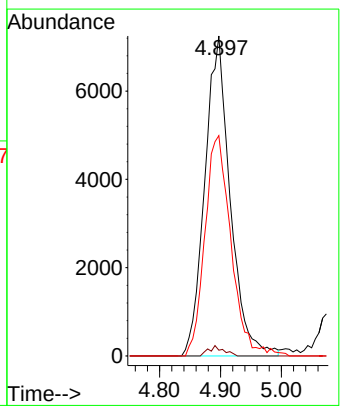


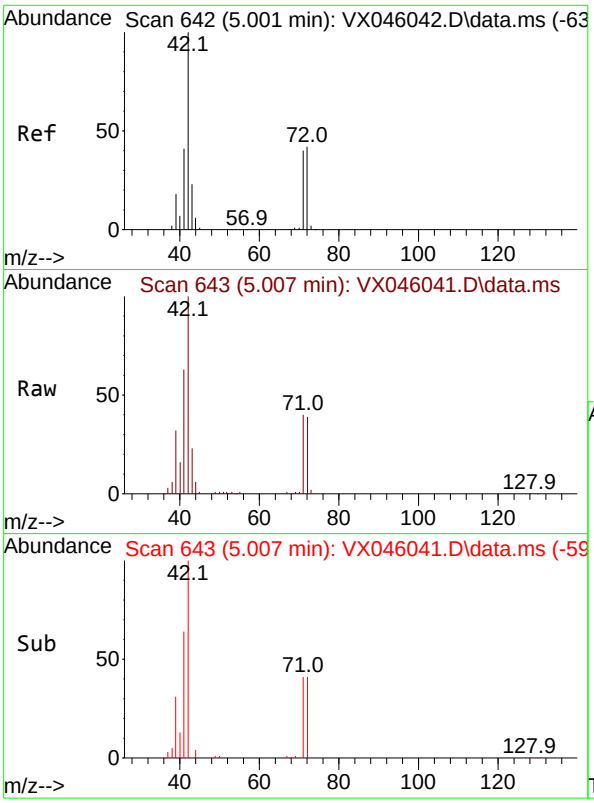


#28
Bromochloromethane
Concen: 13.497 ug/l
RT: 4.897 min Scan# 625
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 49 Resp: 21028

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	70.9	56.2	84.2



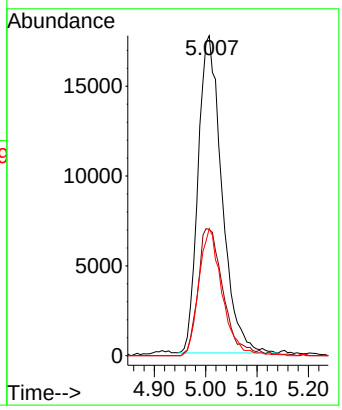


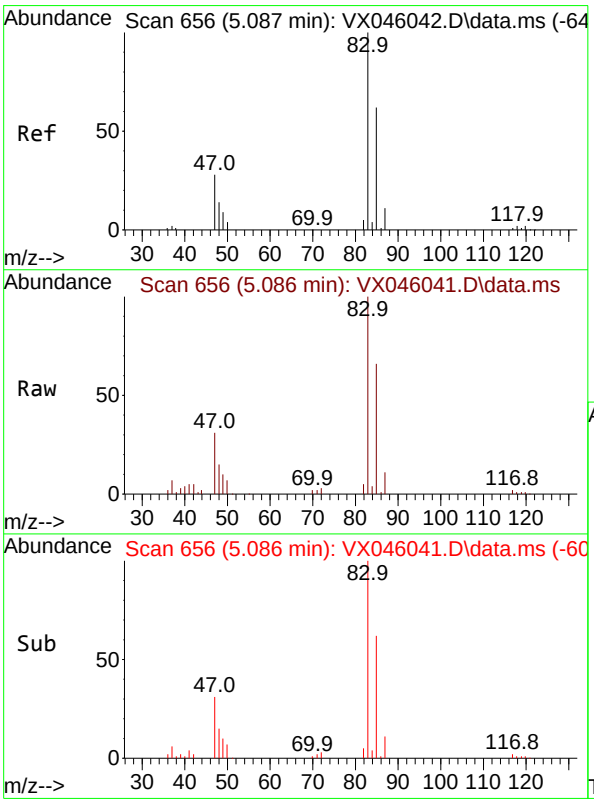
#29
Tetrahydrofuran
Concen: 71.175 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 56819

Ion	Ratio	Lower	Upper
42	100		
72	42.3	33.7	50.5
71	39.2	31.4	47.2

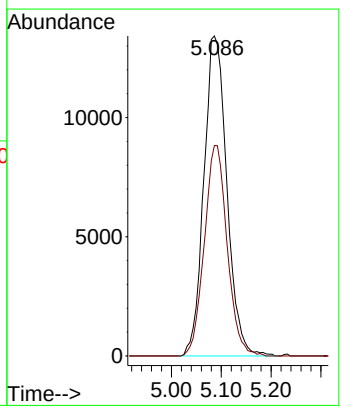


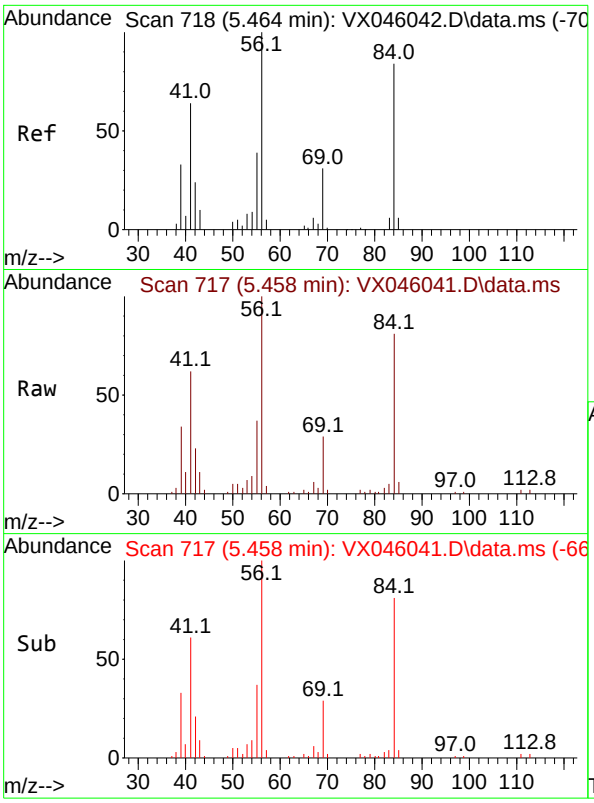


#30
Chloroform
Concen: 14.144 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 83 Resp: 43065

Ion	Ratio	Lower	Upper
83	100		
85	65.7	49.3	73.9



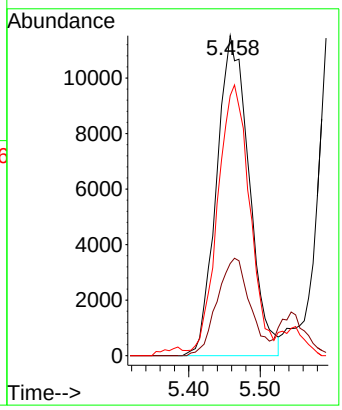


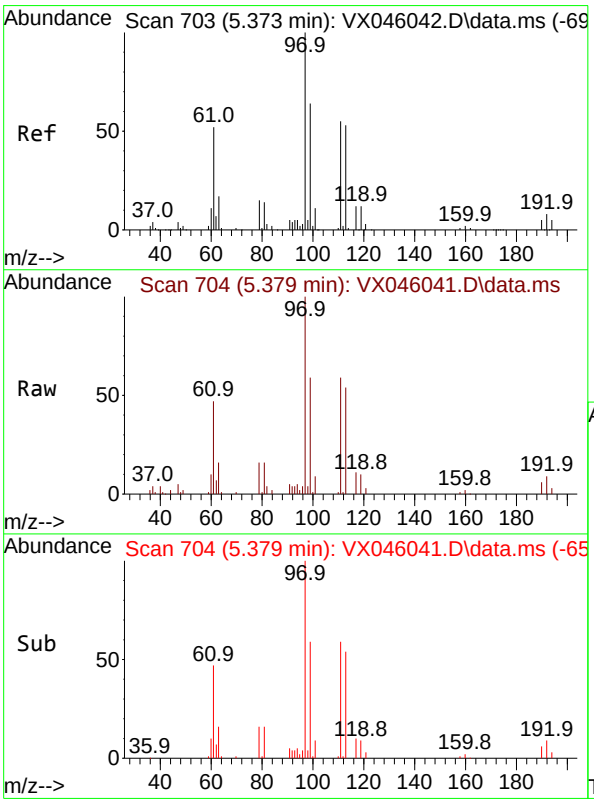
#31
Cyclohexane
Concen: 14.769 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 36470

Ion	Ratio	Lower	Upper
56	100		
69	28.8	24.4	36.6
84	78.5	66.9	100.3

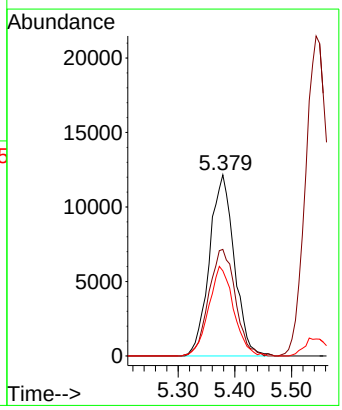


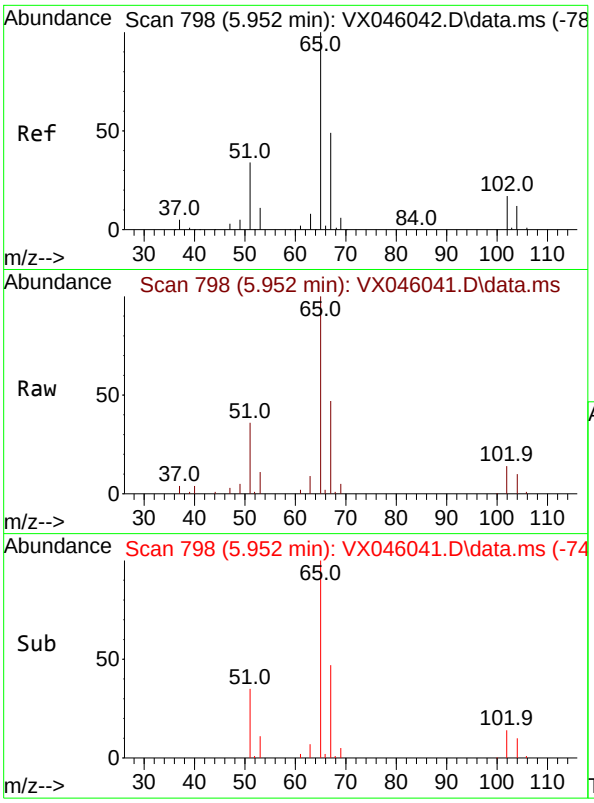


#32
1,1,1-Trichloroethane
Concen: 14.092 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 97 Resp: 37003

Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.8	77.6
61	49.5	40.1	60.1



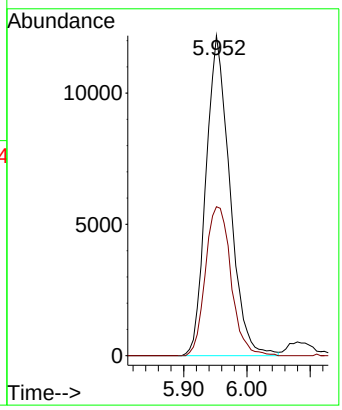


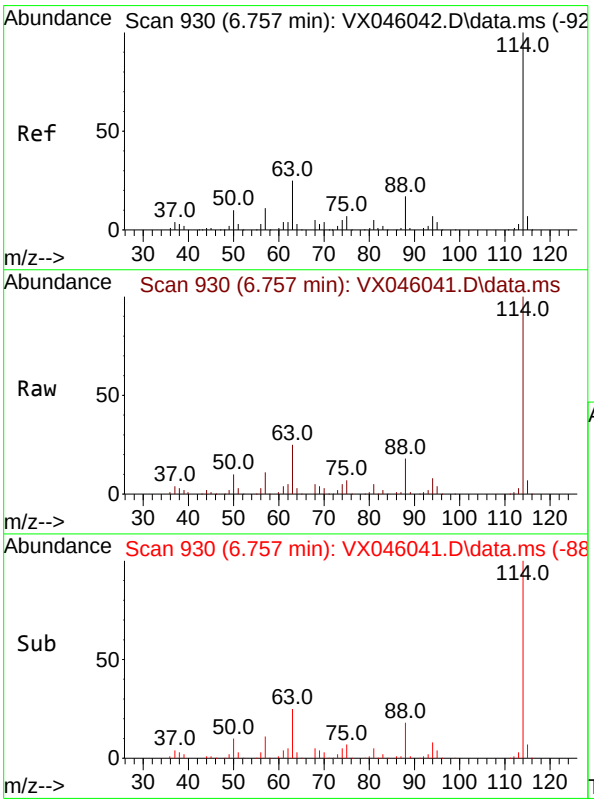
#33
1,2-Dichloroethane-d4
Concen: 12.820 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 31909

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	99.0

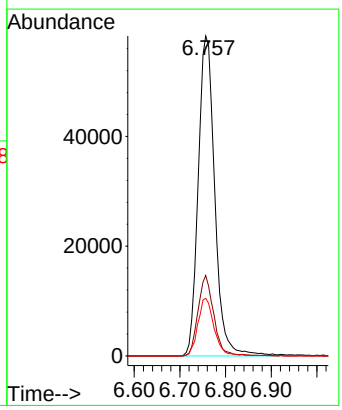


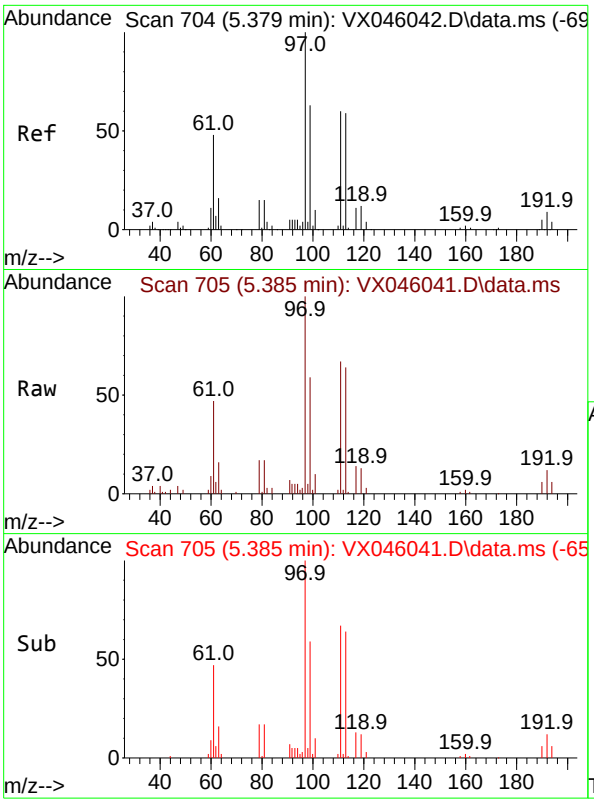


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:114 Resp: 147096

Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.2
88	18.0	0.0	33.6



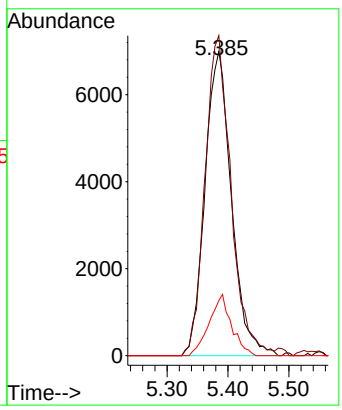


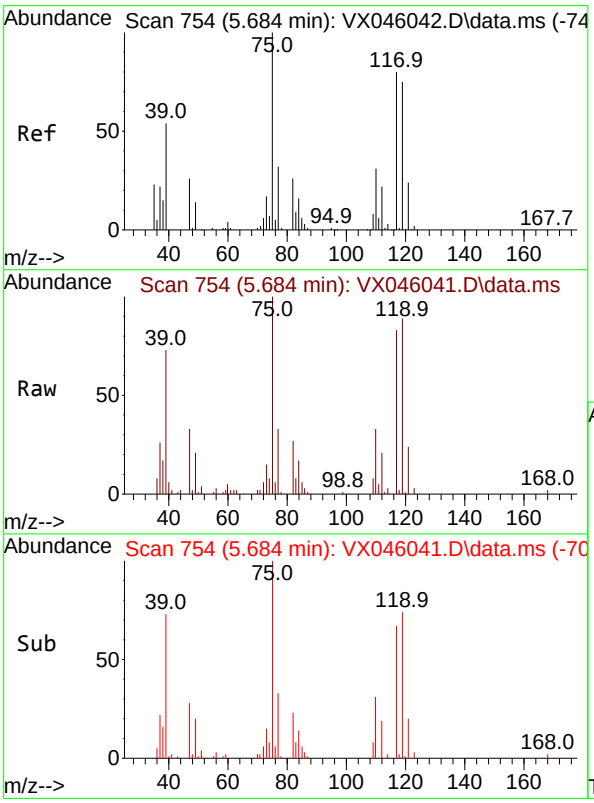
#35
Dibromofluoromethane
Concen: 12.804 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 21112

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	17.0	13.3	19.9

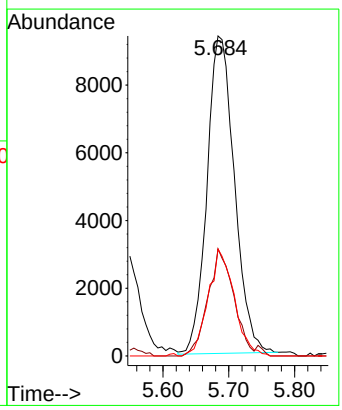


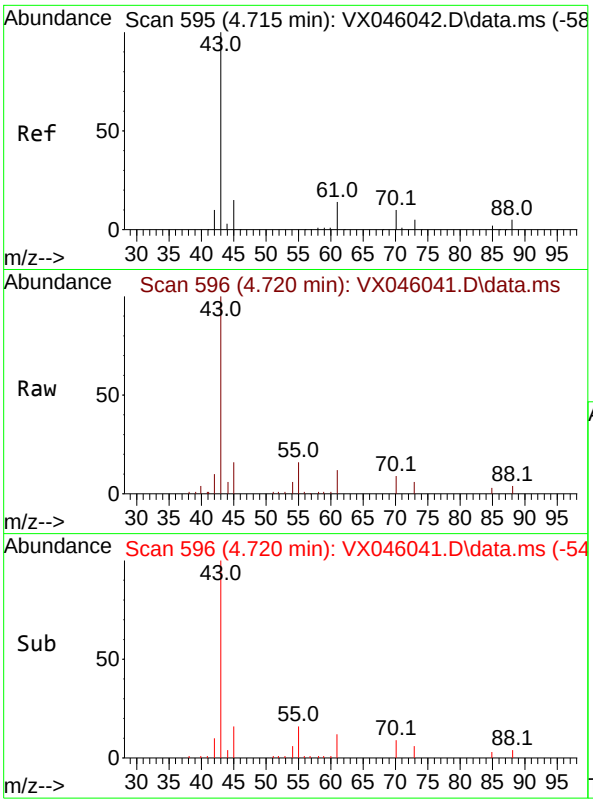


#36
1,1-Dichloropropene
Concen: 14.231 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 27242

Ion	Ratio	Lower	Upper
75	100		
110	31.6	16.3	48.9
77	31.9	24.3	36.5



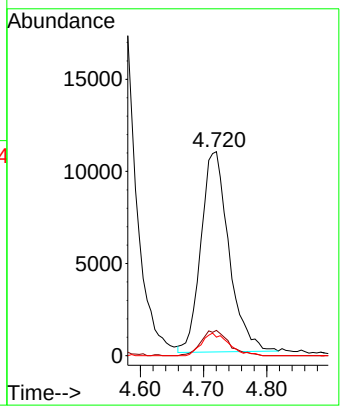


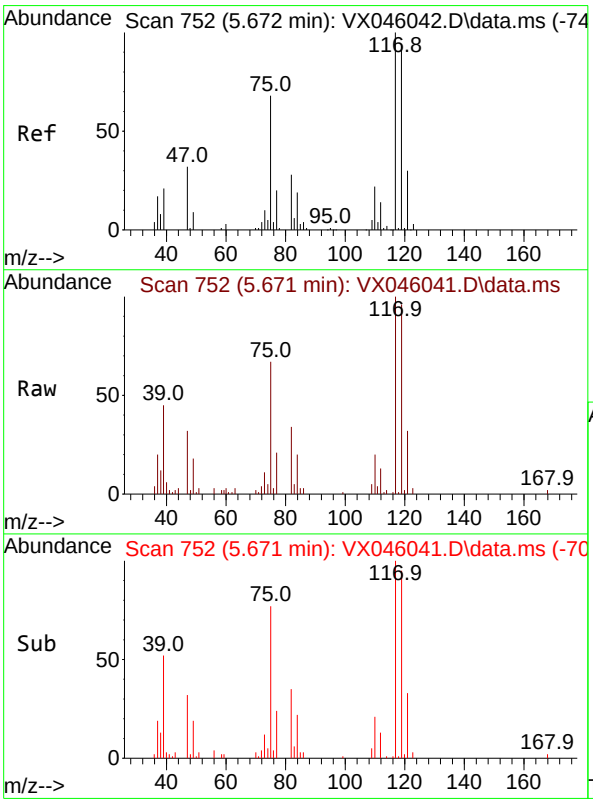
#37
Ethyl Acetate
Concen: 13.931 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 33458

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	10.9	7.9	11.9

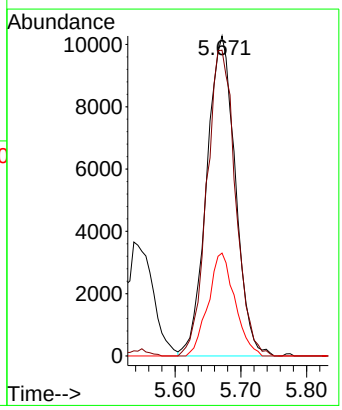


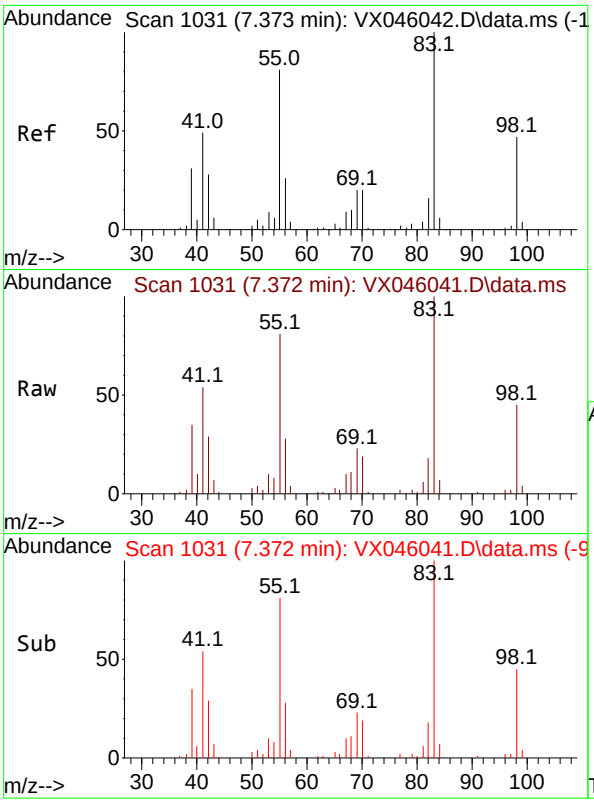


#38
Carbon Tetrachloride
Concen: 14.137 ug/l
RT: 5.671 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 31091

Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.2	112.8
121	32.1	24.2	36.4



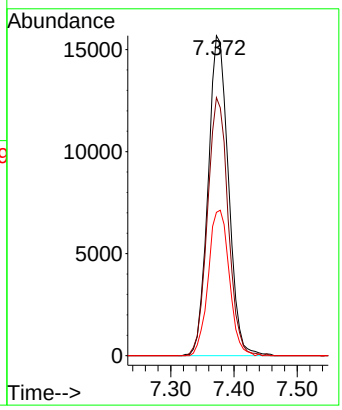


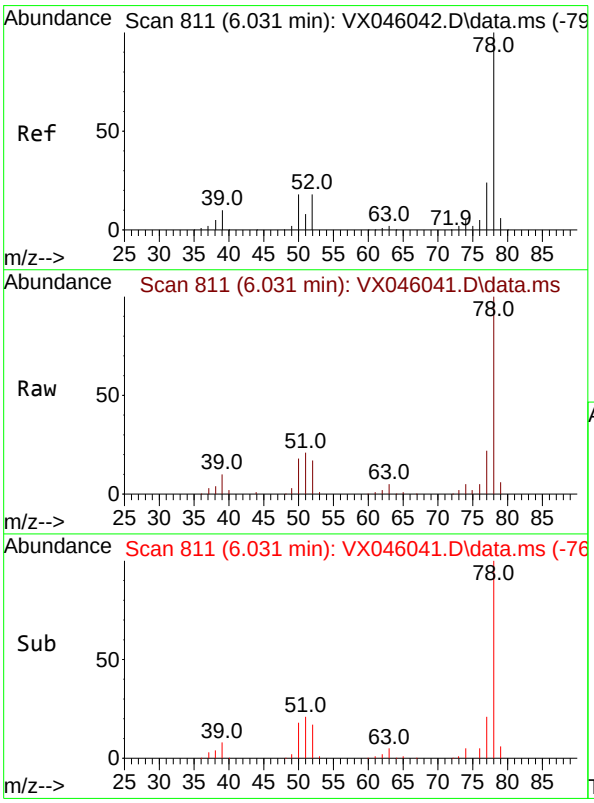
#39
Methylcyclohexane
Concen: 14.623 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 35077

Ion	Ratio	Lower	Upper
83	100		
55	80.7	64.7	97.1
98	44.8	37.4	56.2

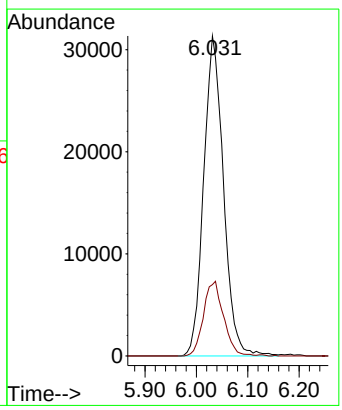


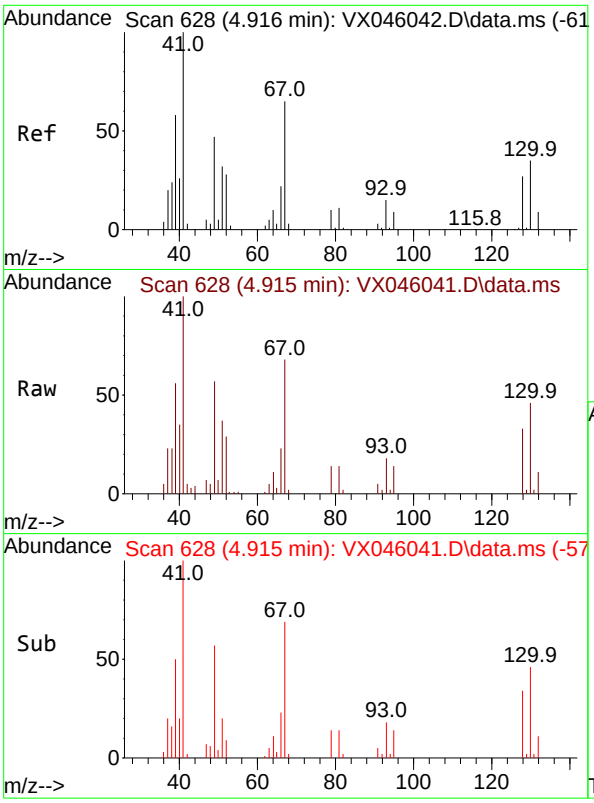


#40
Benzene
Concen: 14.140 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 78 Resp: 83898

Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.0	28.4



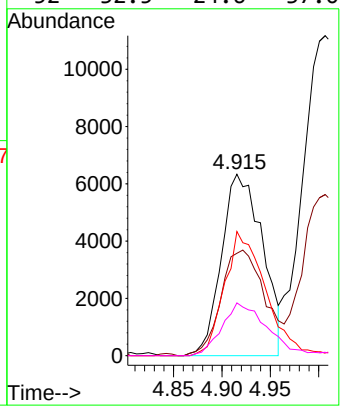


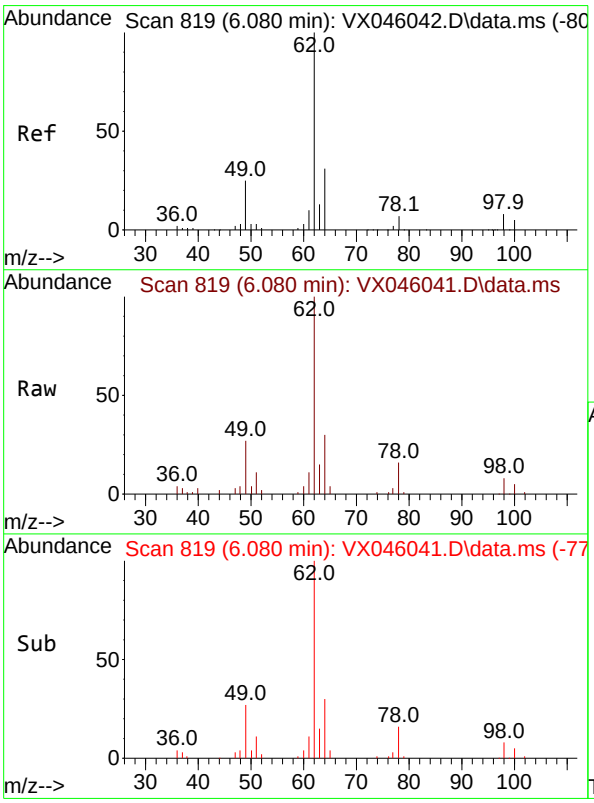
#41
Methacrylonitrile
Concen: 14.038 ug/l
RT: 4.915 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 18732

Ion	Ratio	Lower	Upper
41	100		
39	62.6	47.2	70.8
67	68.3	50.7	76.1
52	32.5	24.6	37.0

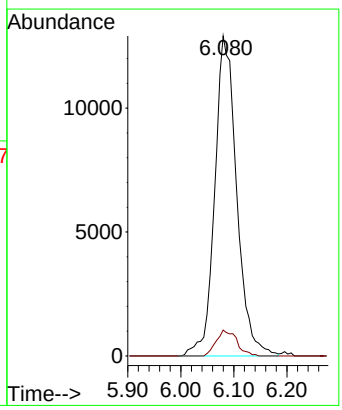


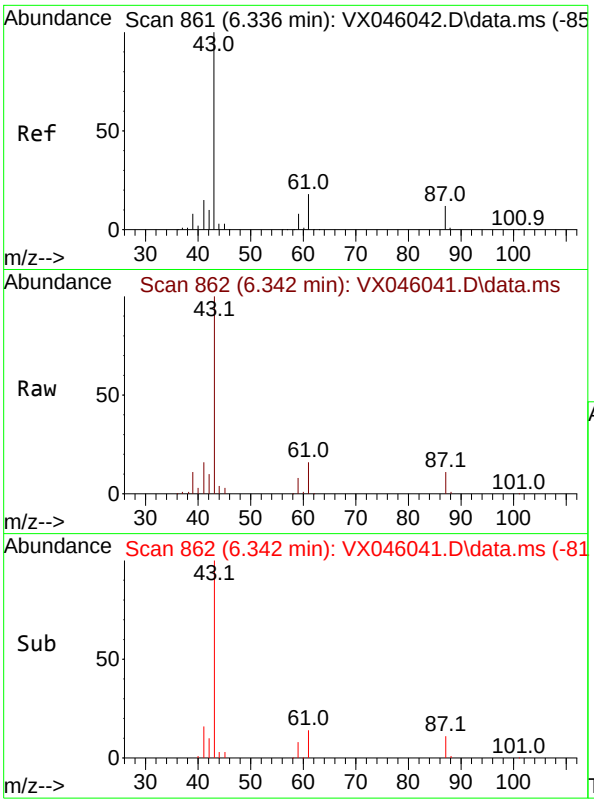


#42
1,2-Dichloroethane
Concen: 15.165 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 62 Resp: 37203

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2



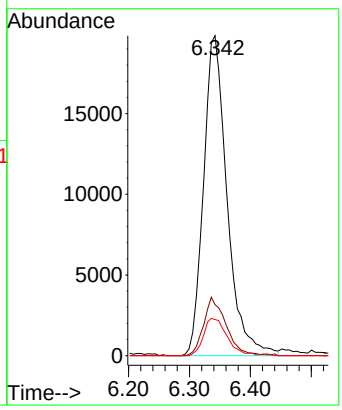


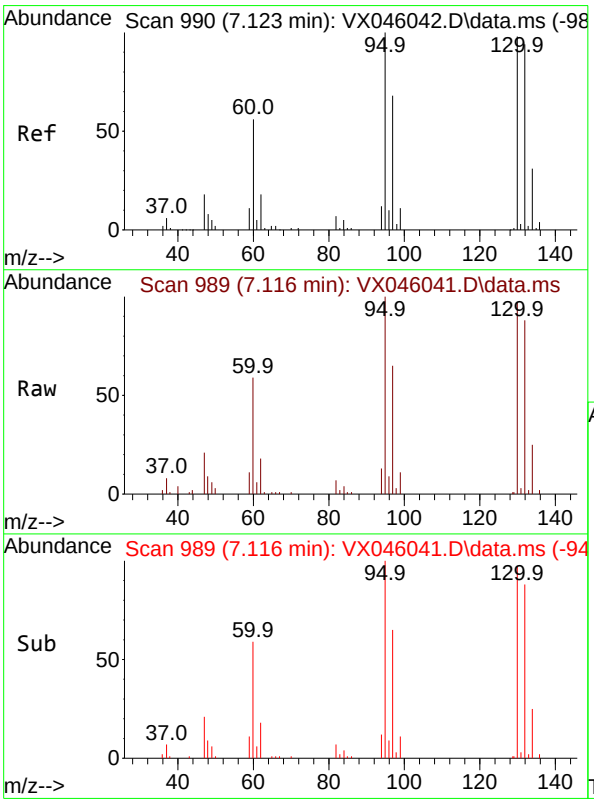
#43
Isopropyl Acetate
Concen: 14.512 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 53275

Ion	Ratio	Lower	Upper
43	100		
61	17.3	14.3	21.5
87	11.6	9.5	14.3

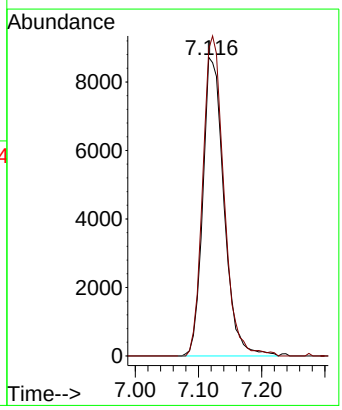


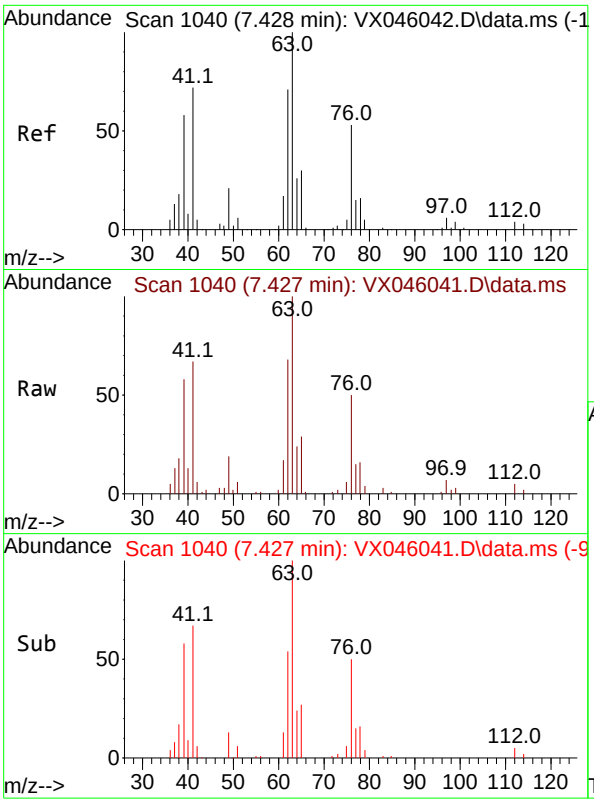


#44
Trichloroethene
Concen: 14.429 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:130 Resp: 20239

Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	204.2



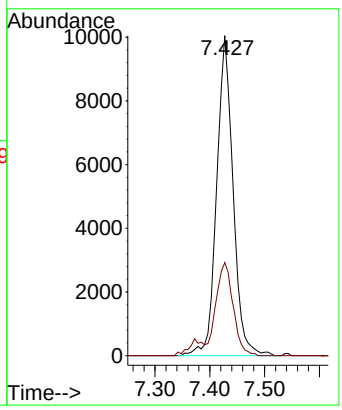


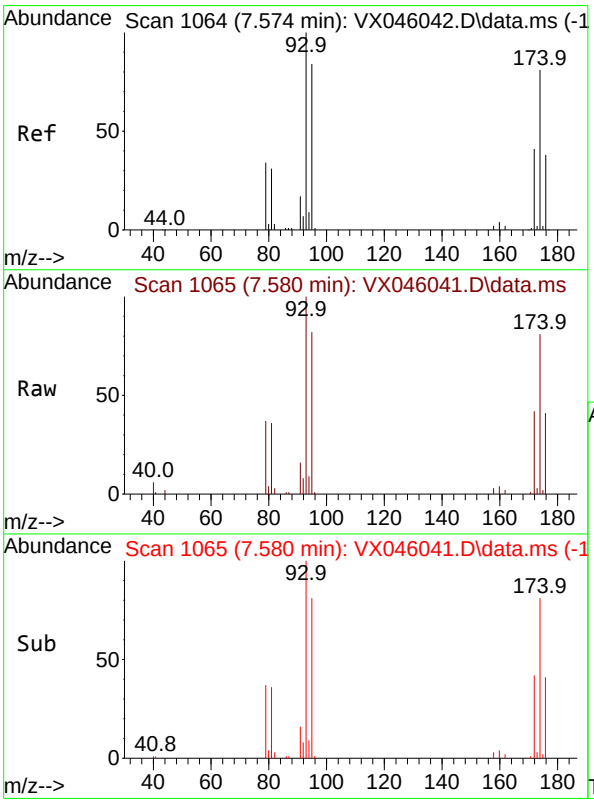
#45
1,2-Dichloropropane
Concen: 14.204 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 20940

Ion	Ratio	Lower	Upper
63	100		
65	29.1	24.1	36.1

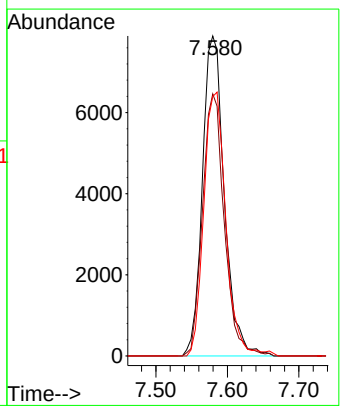


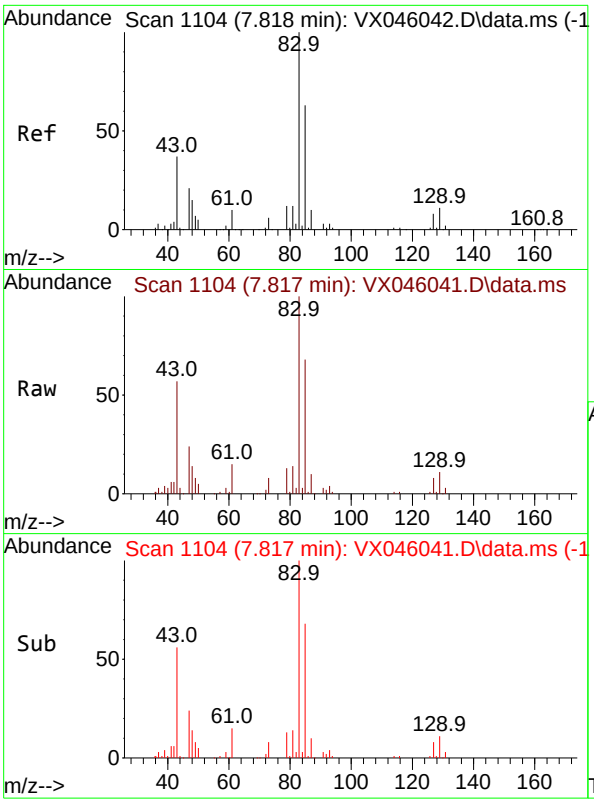


#46
Dibromomethane
Concen: 14.439 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 93 Resp: 16781

Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.6	98.4
174	83.1	68.2	102.2



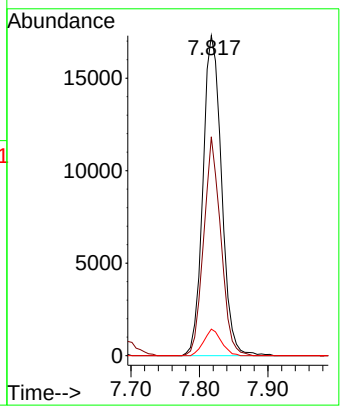


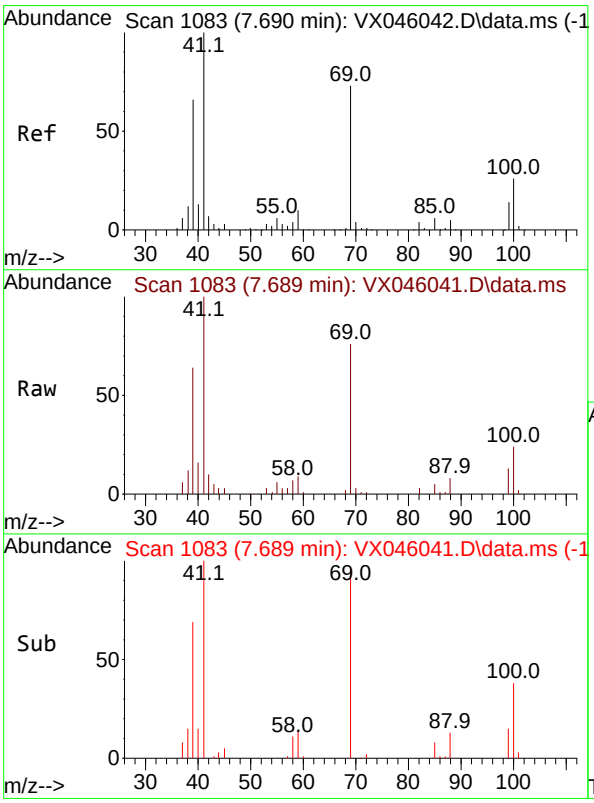
#47
Bromodichloromethane
Concen: 14.545 ug/l
RT: 7.817 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 32762

Ion	Ratio	Lower	Upper
83	100		
85	68.4	50.5	75.7
127	8.3	6.5	9.7

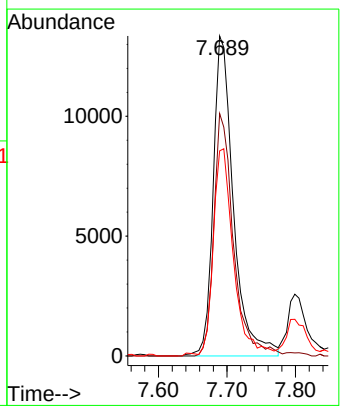


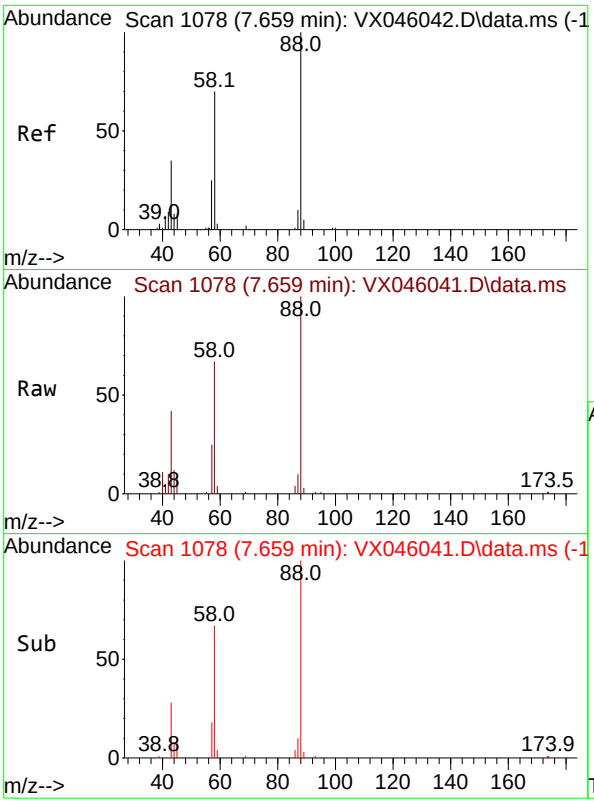


#48
Methyl methacrylate
Concen: 14.521 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 41 Resp: 27374

Ion	Ratio	Lower	Upper
41	100		
69	73.5	58.5	87.7
39	64.9	51.7	77.5



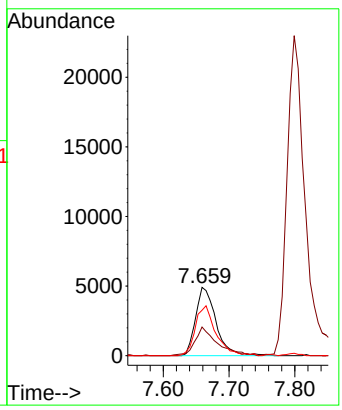


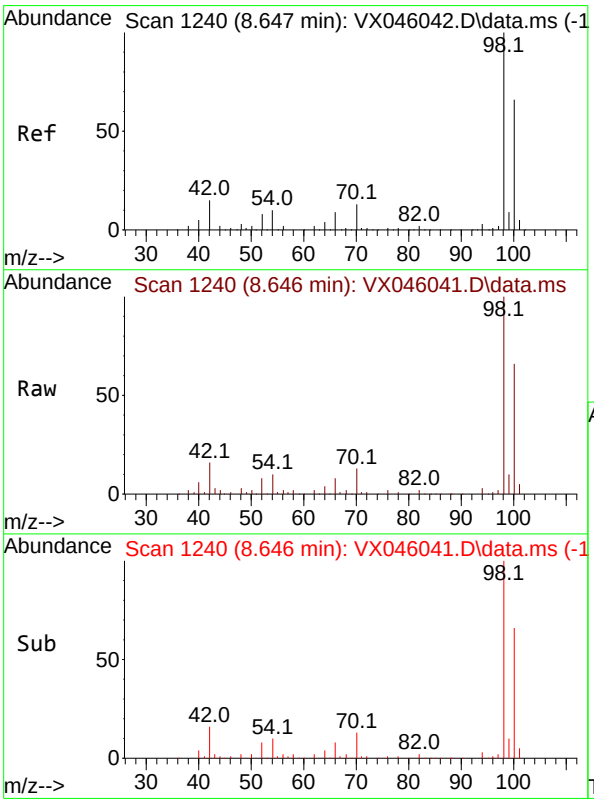
#49
1,4-Dioxane
Concen: 282.442 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 10585

Ion	Ratio	Lower	Upper
88	100		
43	45.5	33.4	50.2
58	73.6	58.6	88.0

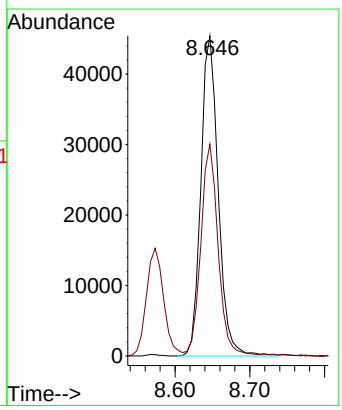


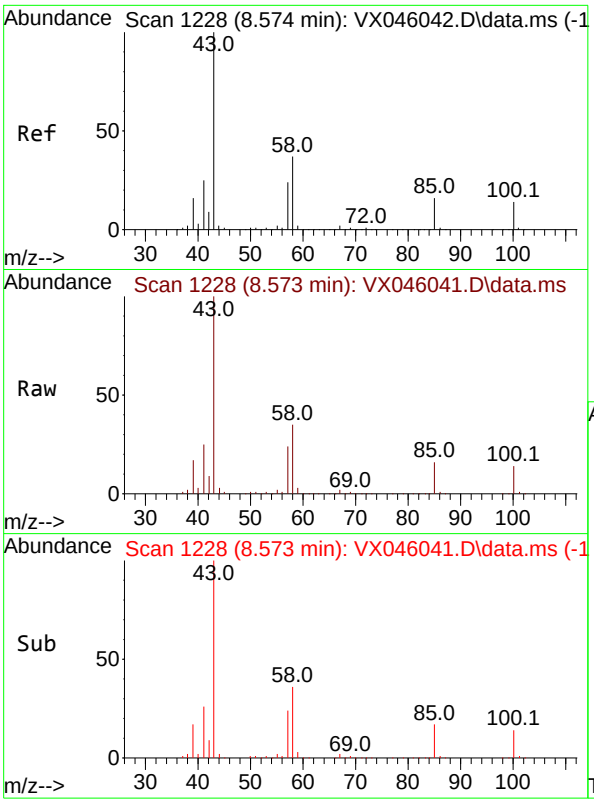


#50
Toluene-d8
Concen: 13.200 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 98 Resp: 73333

Ion	Ratio	Lower	Upper
98	100		
100	64.8	53.5	80.3



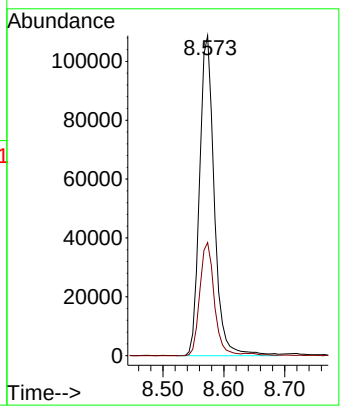


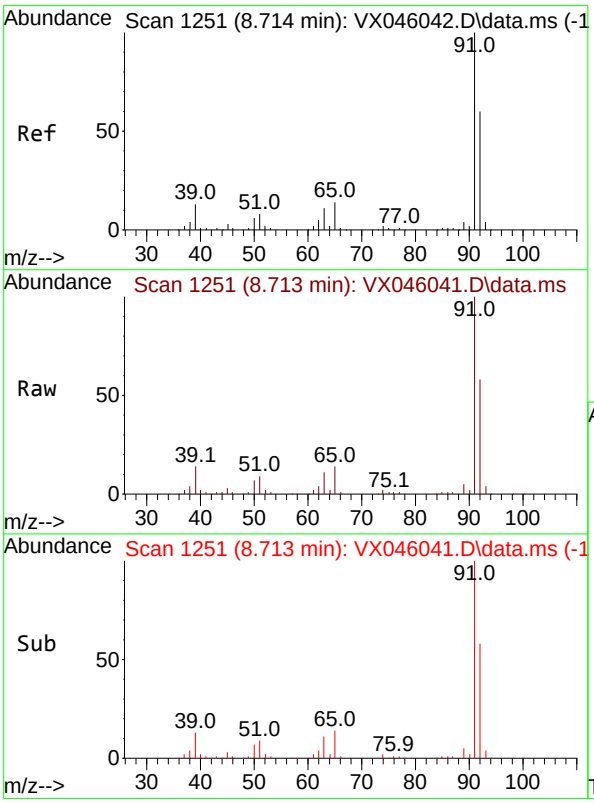
#51
4-Methyl-2-Pentanone
Concen: 75.775 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 182455

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.9	43.3

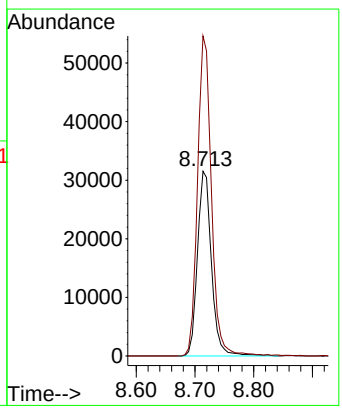


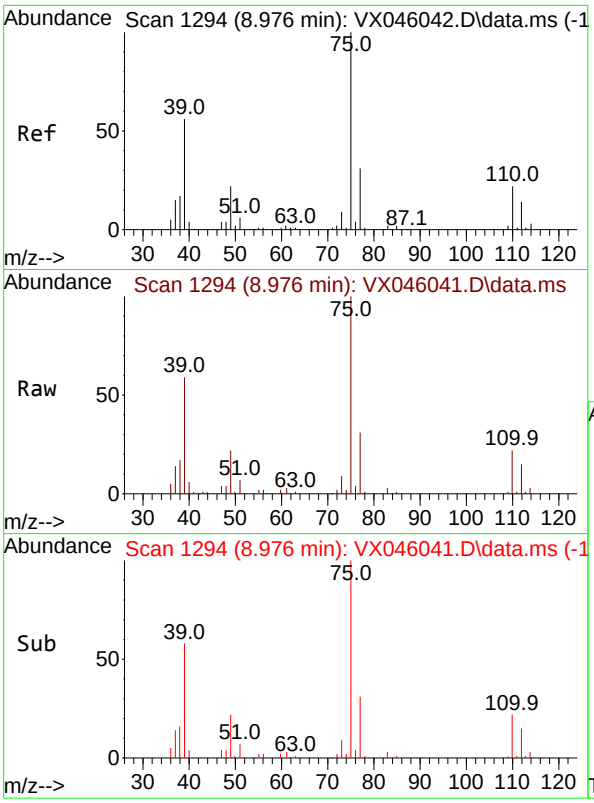


#52
Toluene
Concen: 14.788 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 92 Resp: 52030

Ion	Ratio	Lower	Upper
92	100		
91	172.2	136.6	205.0



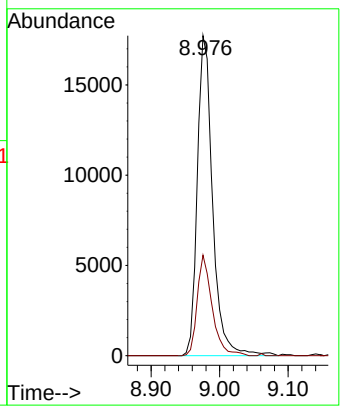


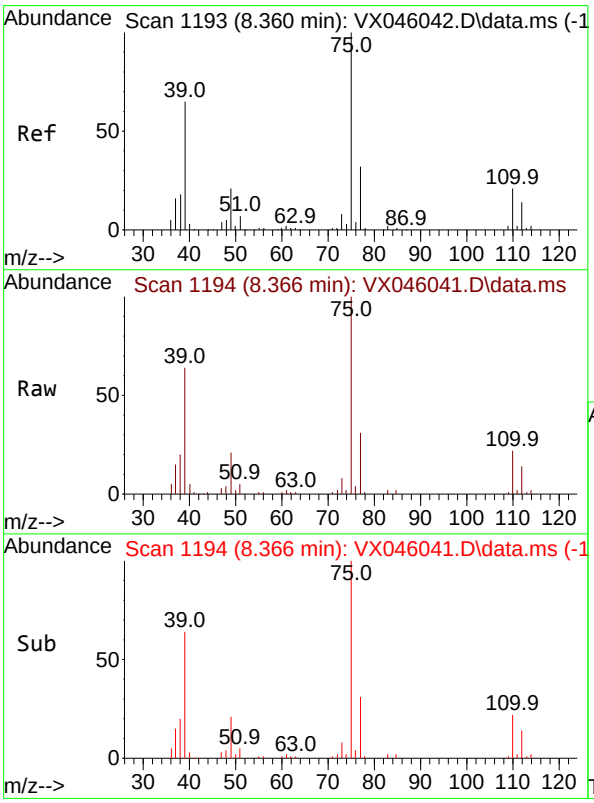
#53
t-1,3-Dichloropropene
Concen: 14.566 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 27549

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.6

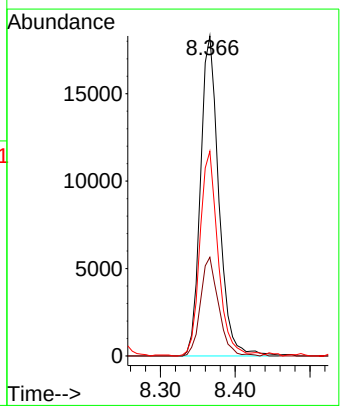


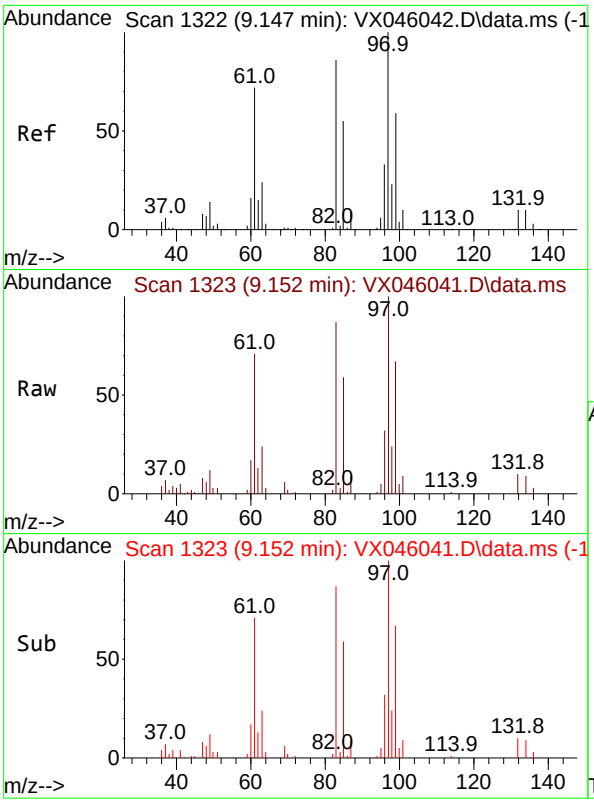


#54
cis-1,3-Dichloropropene
Concen: 14.154 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 31226

Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.4	38.0
39	64.0	52.2	78.4



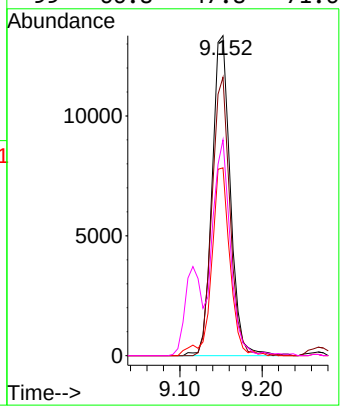


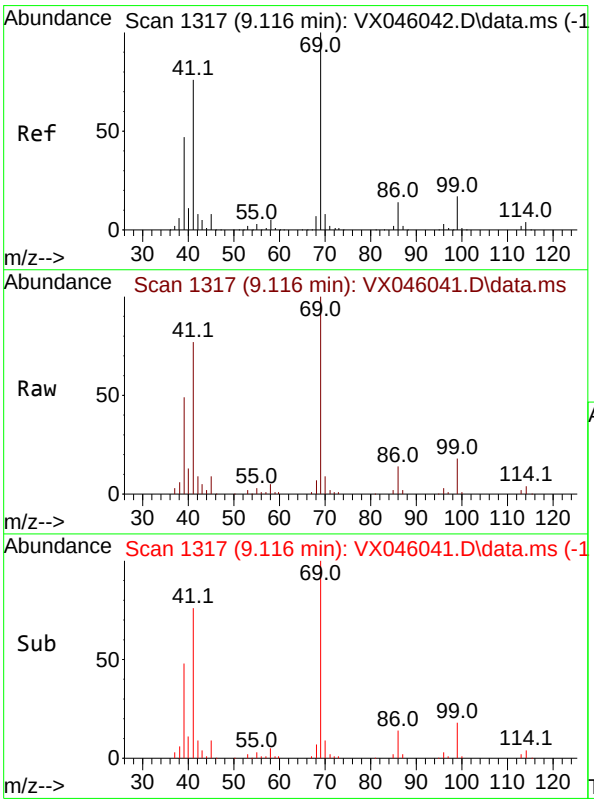
#55
1,1,2-Trichloroethane
Concen: 14.442 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 20536

Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.0	103.6
85	58.7	44.3	66.5
99	66.8	47.8	71.6

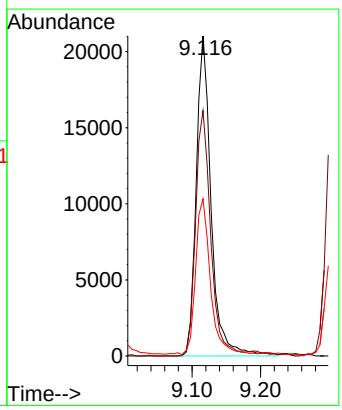


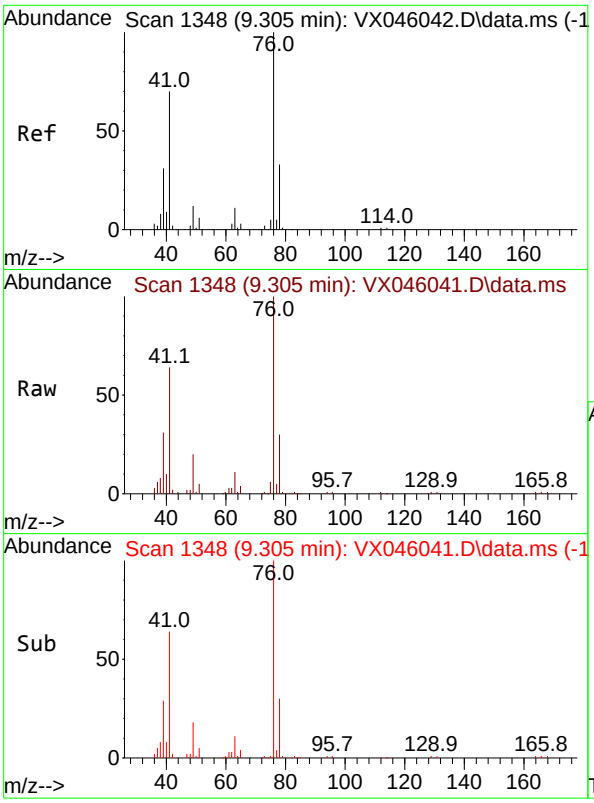


#56
Ethyl methacrylate
Concen: 14.425 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 69 Resp: 31787

Ion	Ratio	Lower	Upper
69	100		
41	78.2	60.8	91.2
39	49.3	39.0	58.6



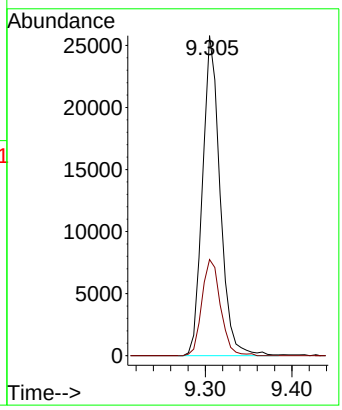


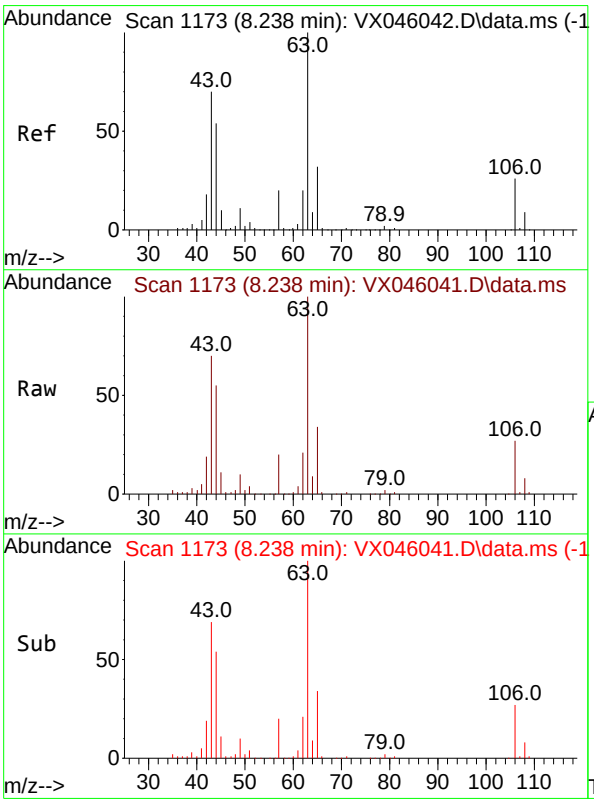
#57
1,3-Dichloropropane
Concen: 14.417 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 36341

Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.3	39.5

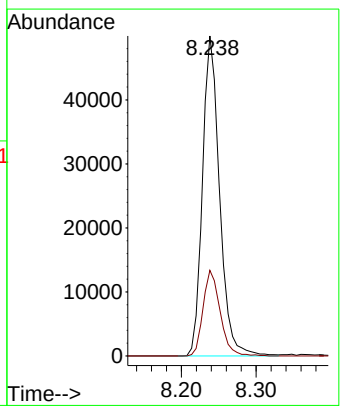


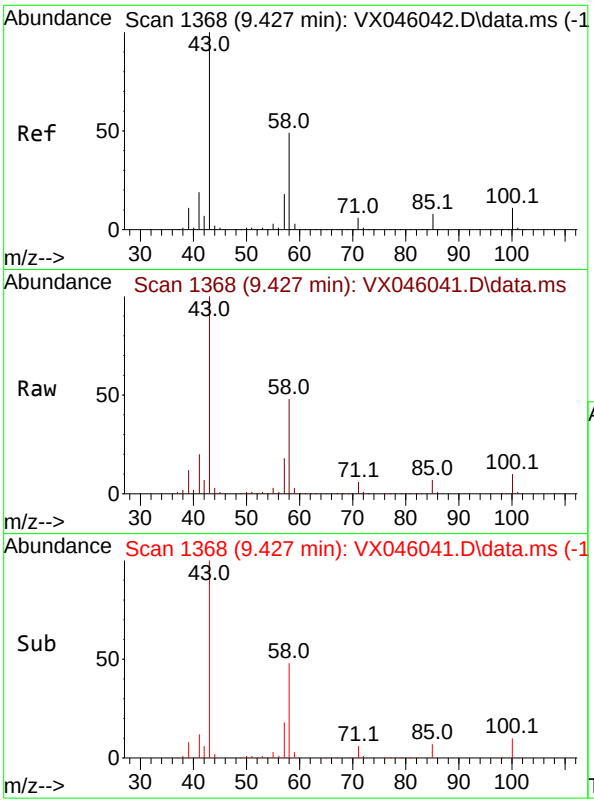


#58
2-Chloroethyl Vinyl ether
Concen: 80.312 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 63 Resp: 79531

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3



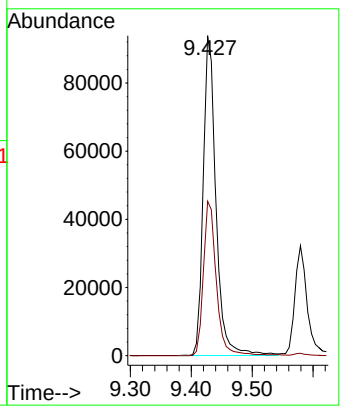


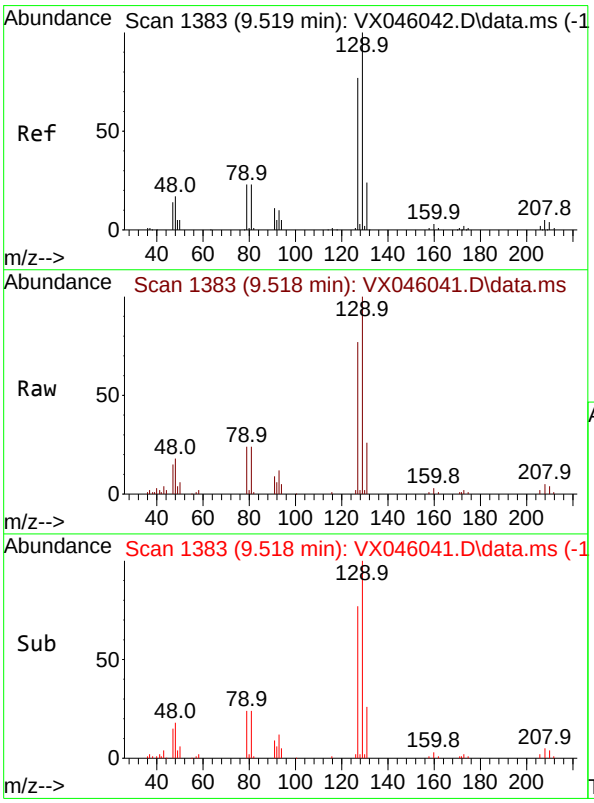
#59
2-Hexanone
Concen: 74.997 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 137054

Ion	Ratio	Lower	Upper
43	100		
58	48.7	24.9	74.6

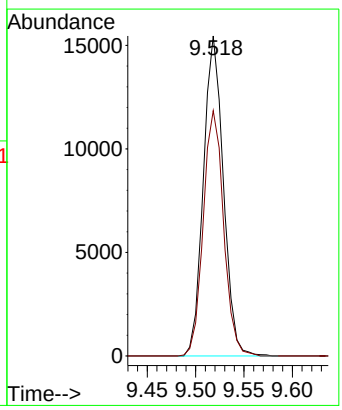


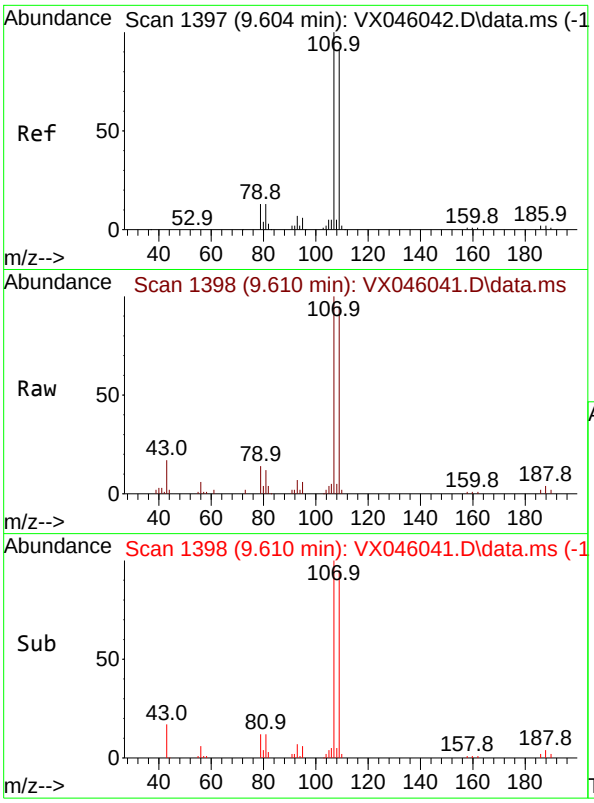


#60
Dibromochloromethane
Concen: 14.387 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:129 Resp: 22267

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.3	117.8



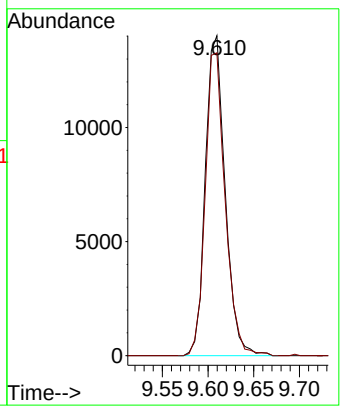


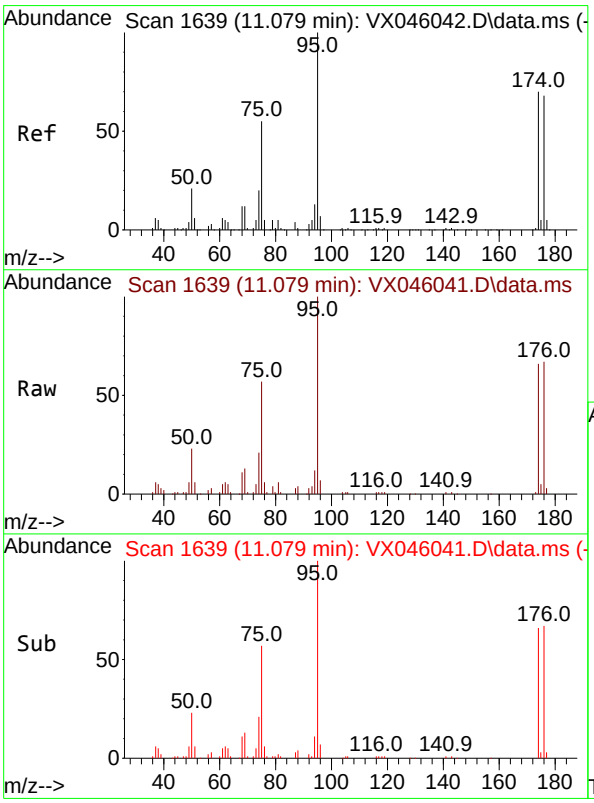
#61
1,2-Dibromoethane
Concen: 14.458 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 21113

Ion	Ratio	Lower	Upper
107	100		
109	95.3	73.3	109.9

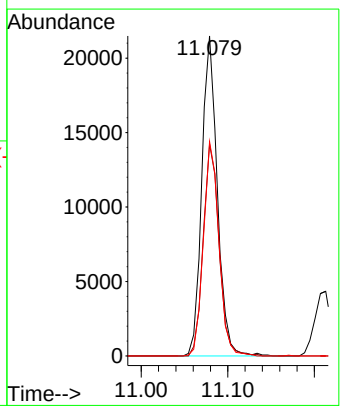


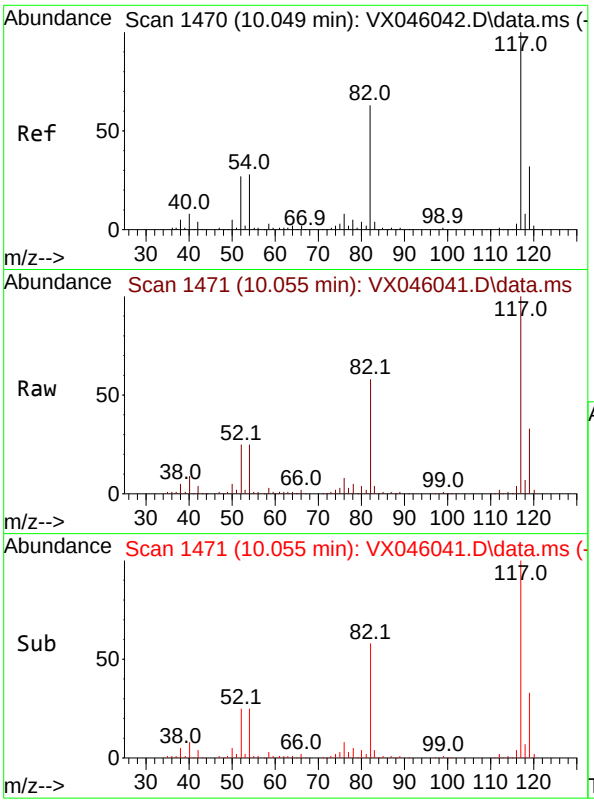


#62
4-Bromofluorobenzene
Concen: 13.236 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 95 Resp: 26760

Ion	Ratio	Lower	Upper
95	100		
174	67.4	0.0	135.8
176	67.0	0.0	131.4



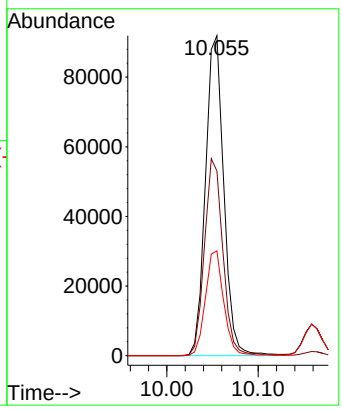


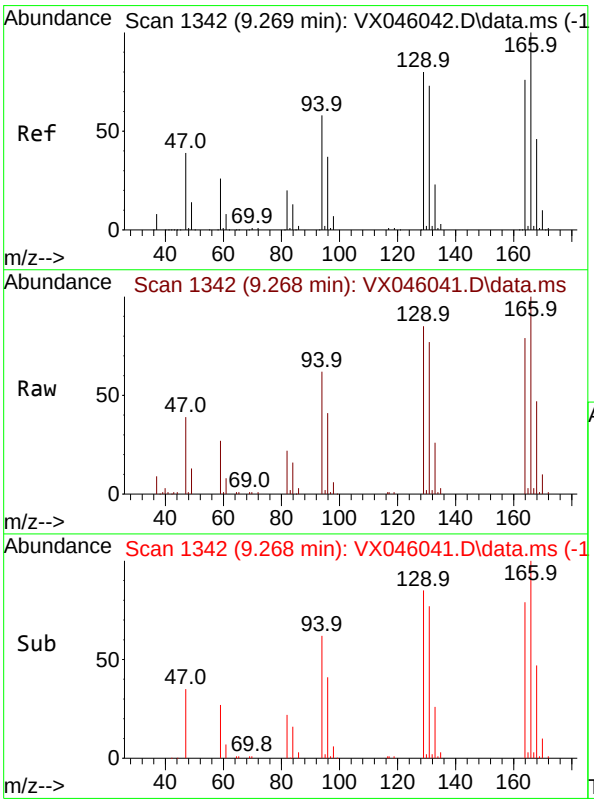
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 127829

Ion	Ratio	Lower	Upper
117	100		
82	57.7	50.6	76.0
119	32.7	25.8	38.6

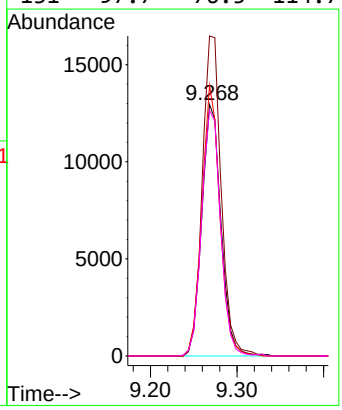


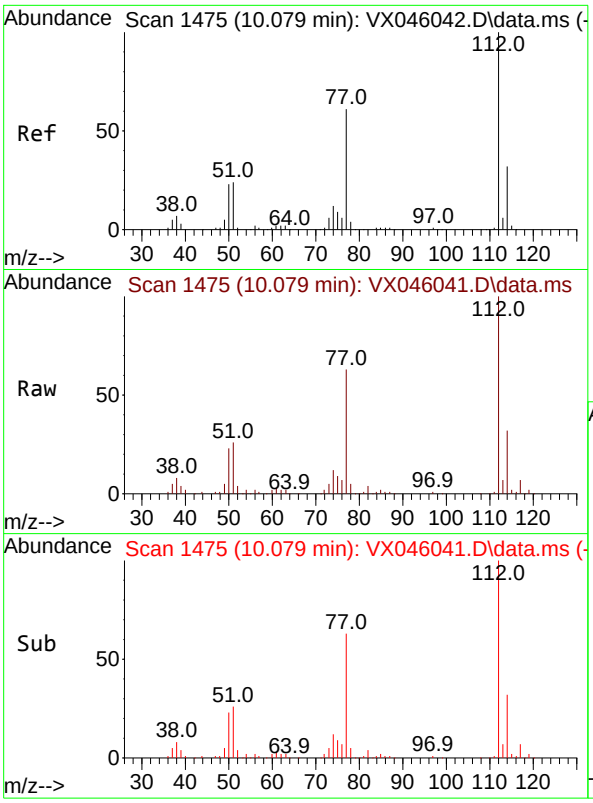


#64
Tetrachloroethene
Concen: 15.263 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:164 Resp: 19924

Ion	Ratio	Lower	Upper
164	100		
166	127.2	105.0	157.6
129	107.6	83.5	125.3
131	97.7	76.5	114.7



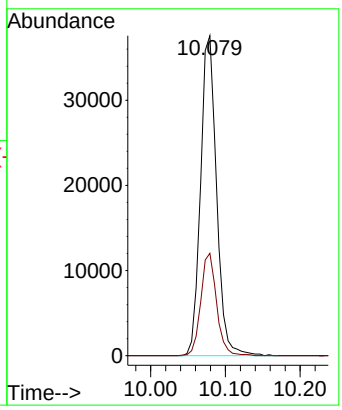


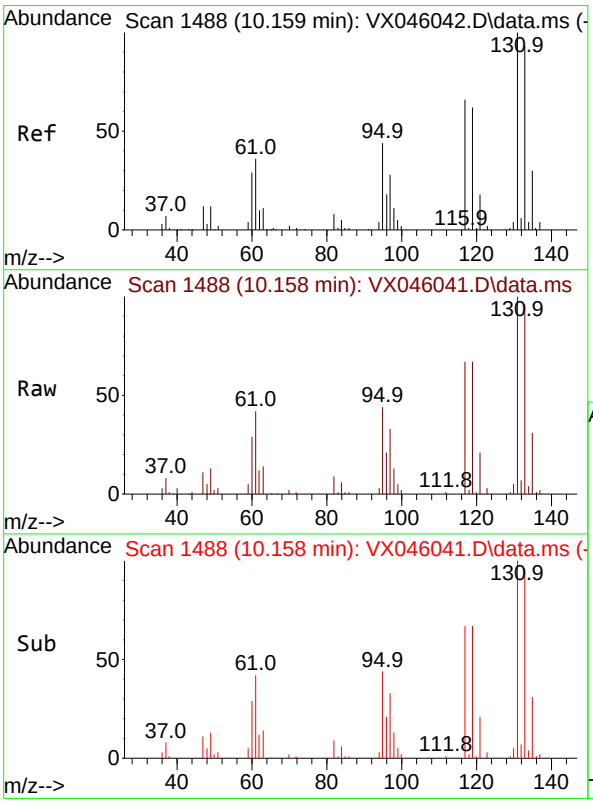
#65
Chlorobenzene
Concen: 14.202 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 55863

Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.2

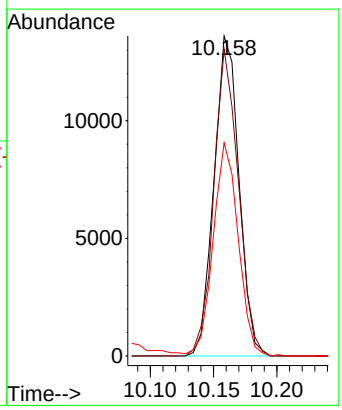


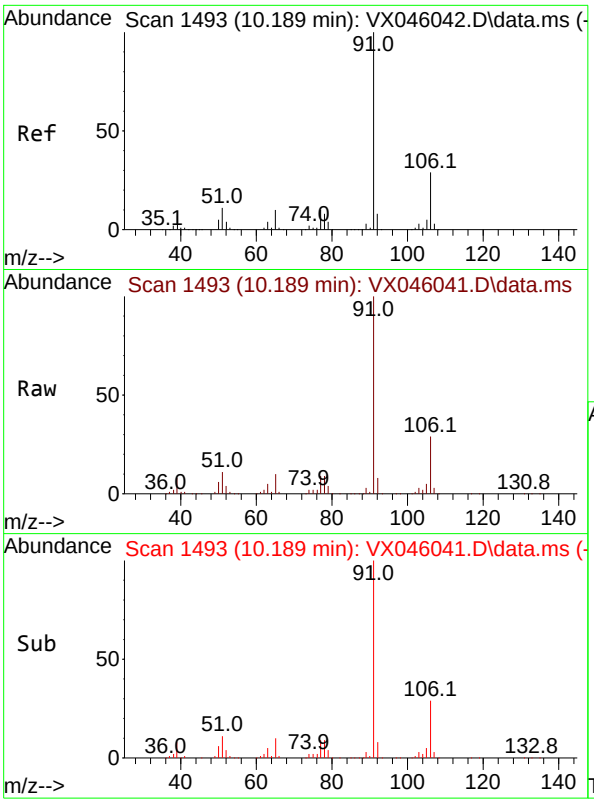


#66
1,1,1,2-Tetrachloroethane
Concen: 14.231 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:131 Resp: 18671

Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.3	141.9
119	66.7	31.6	95.0



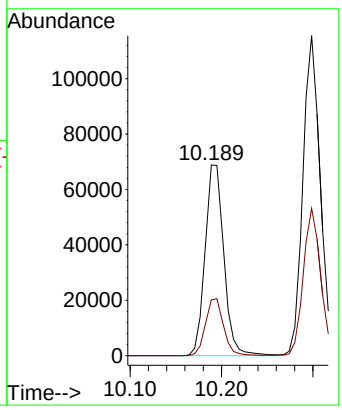


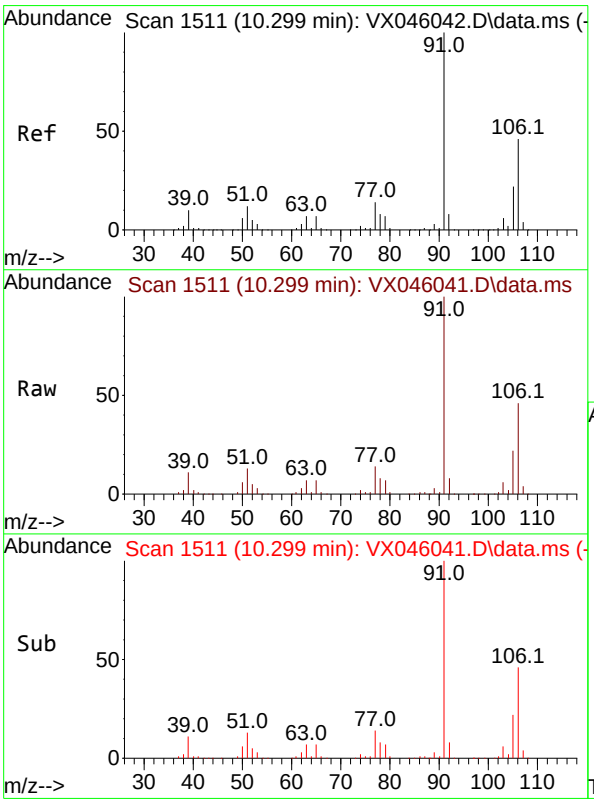
#67
Ethyl Benzene
Concen: 14.631 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 98113

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2

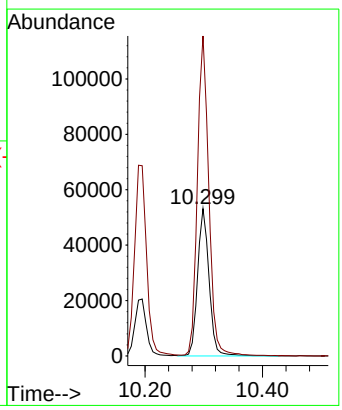


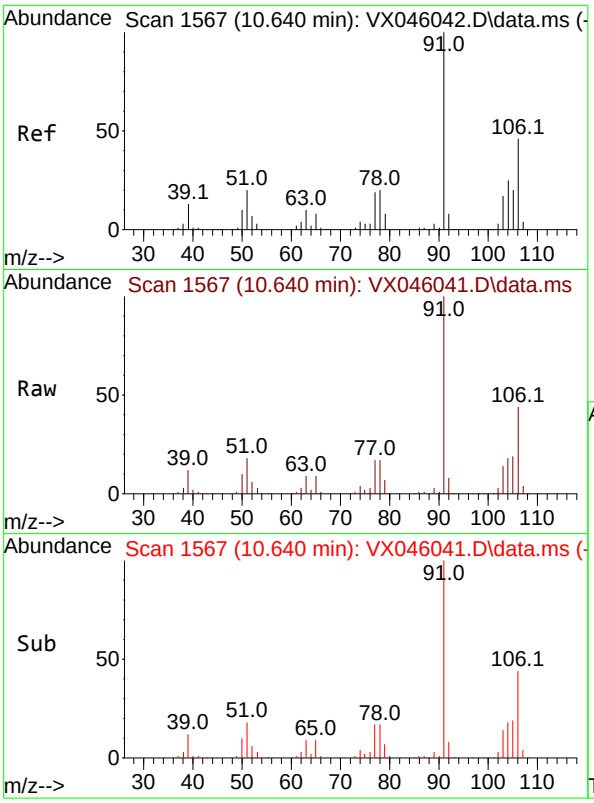


#68
m/p-Xylenes
Concen: 29.806 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:106 Resp: 72202

Ion	Ratio	Lower	Upper
106	100		
91	216.1	171.2	256.8



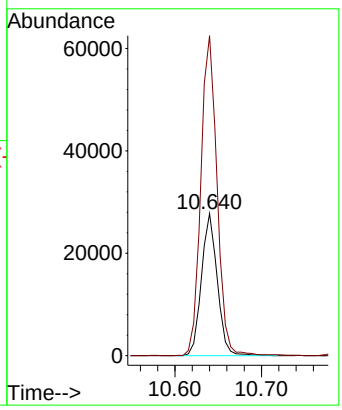


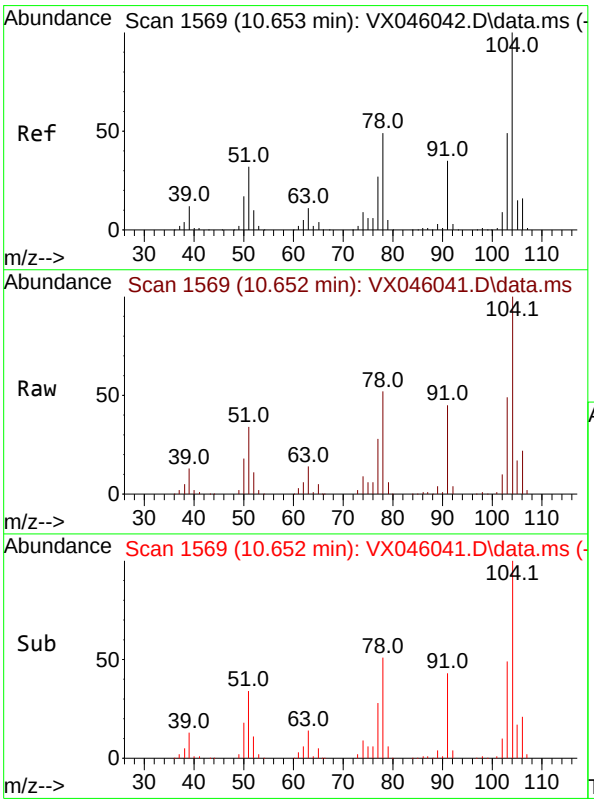
#69
o-Xylene
Concen: 14.408 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 35178

Ion	Ratio	Lower	Upper
106	100		
91	231.7	112.7	338.1

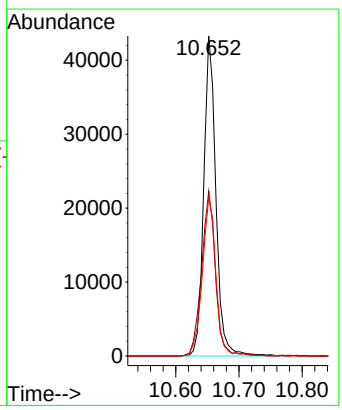


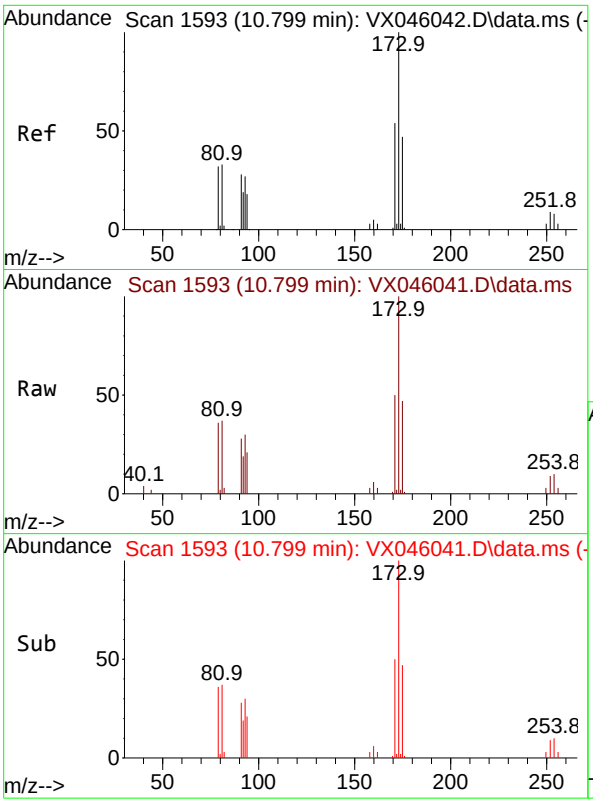


#70
Styrene
Concen: 14.853 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:104 Resp: 58034

Ion	Ratio	Lower	Upper
104	100		
78	58.7	45.7	68.5
103	55.6	43.7	65.5



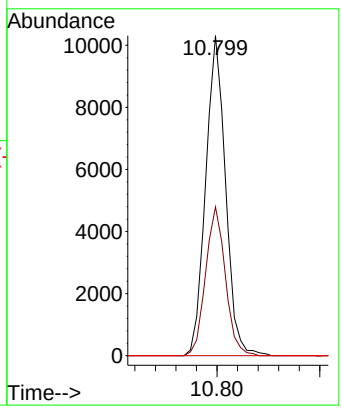


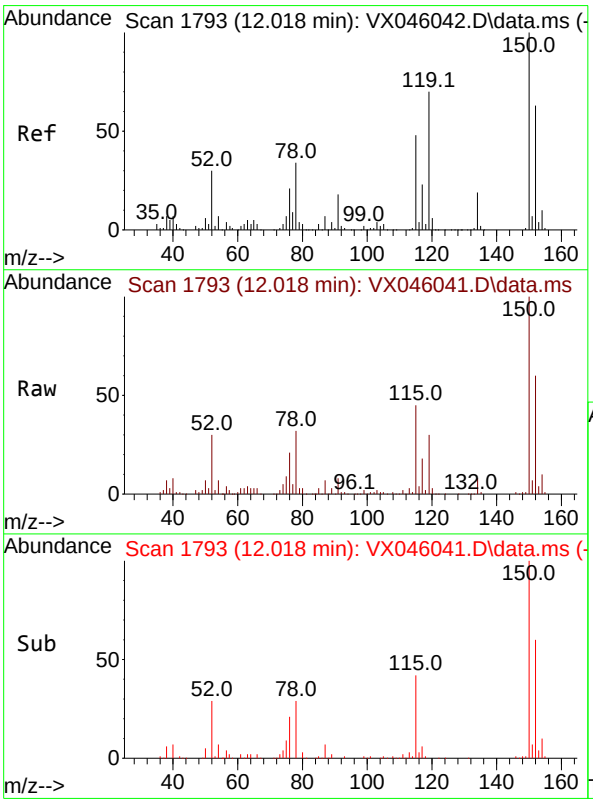
#71
Bromoform
Concen: 14.030 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 13825

Ion	Ratio	Lower	Upper
173	100		
175	46.4	23.4	70.0
254	0.0	0.0	0.0

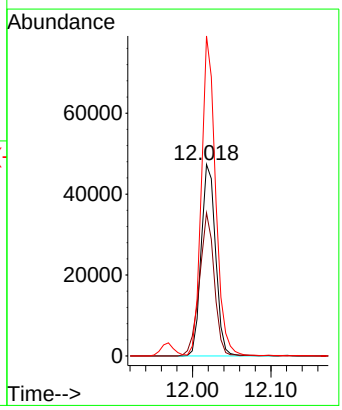


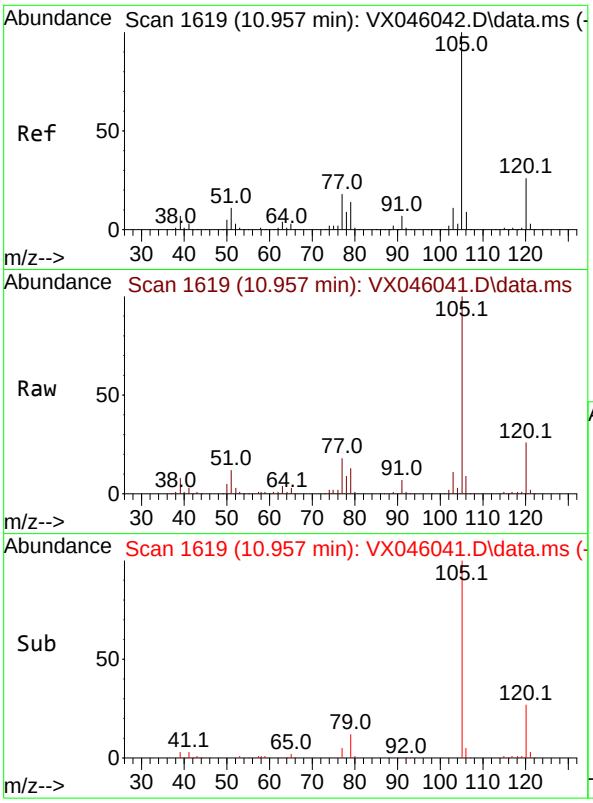


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:152 Resp: 60503

Ion	Ratio	Lower	Upper
152	100		
115	76.6	46.9	140.7
150	163.6	0.0	351.0



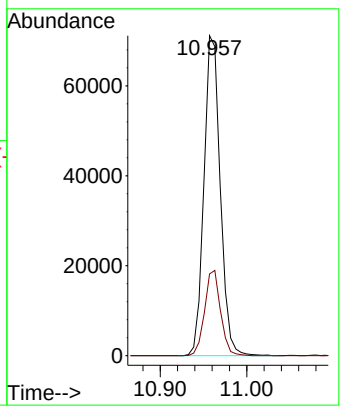


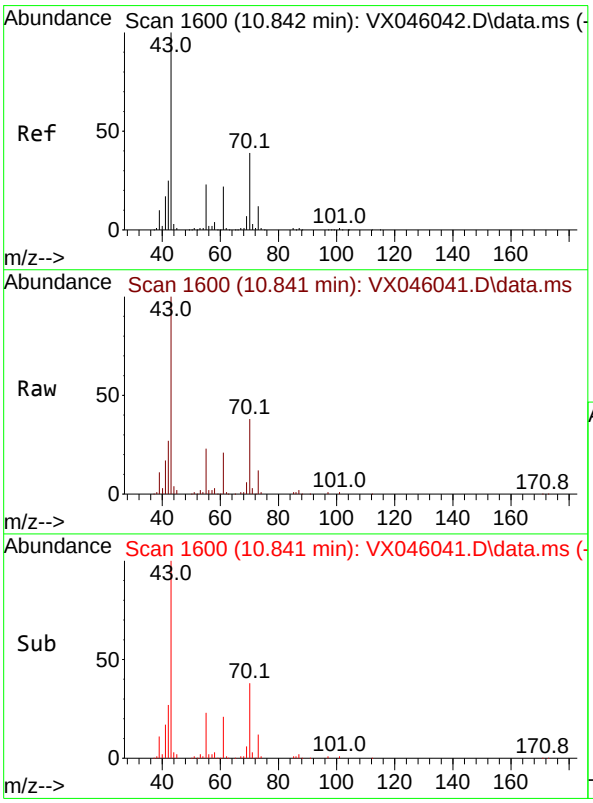
#73
Isopropylbenzene
Concen: 14.096 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 93013

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.4

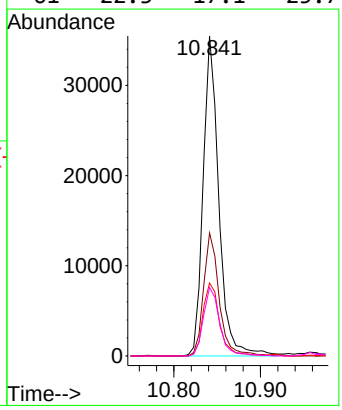


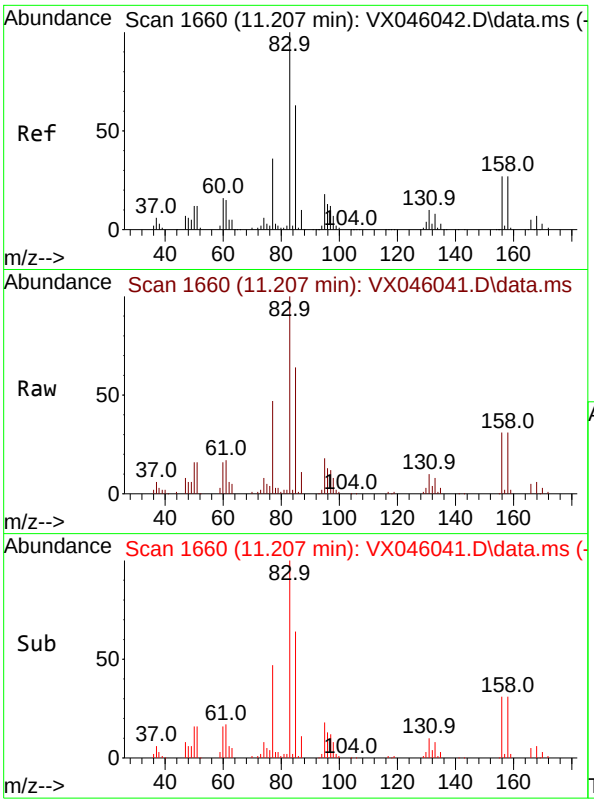


#74
N-amyl acetate
Concen: 13.581 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 43 Resp: 44684

Ion	Ratio	Lower	Upper
43	100		
70	38.5	30.9	46.3
55	24.1	18.7	28.1
61	22.3	17.1	25.7



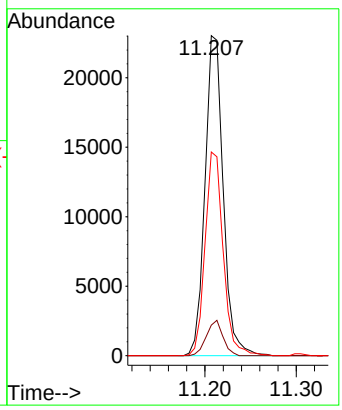


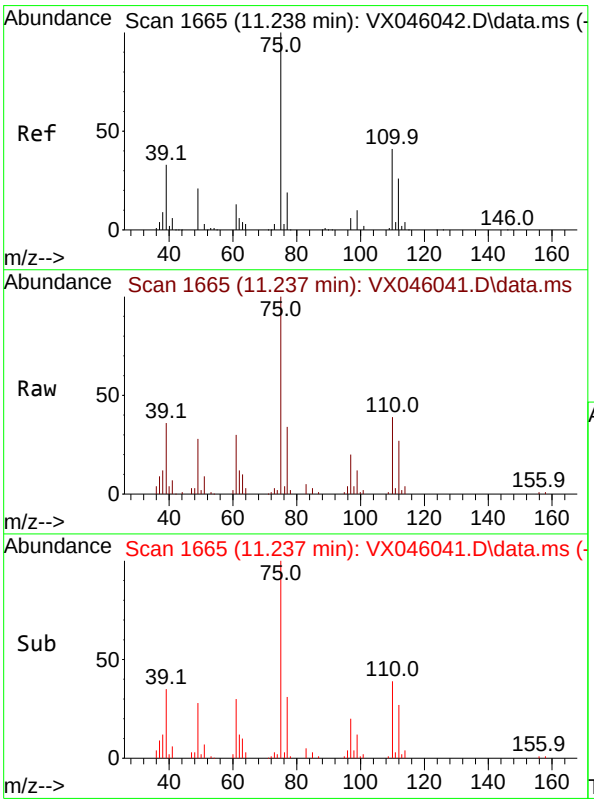
#75
1,1,2,2-Tetrachloroethane
Concen: 13.560 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 31830

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	63.3	31.9	95.7

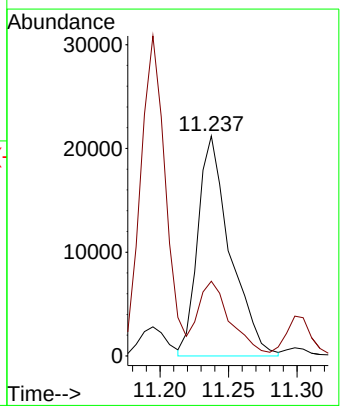


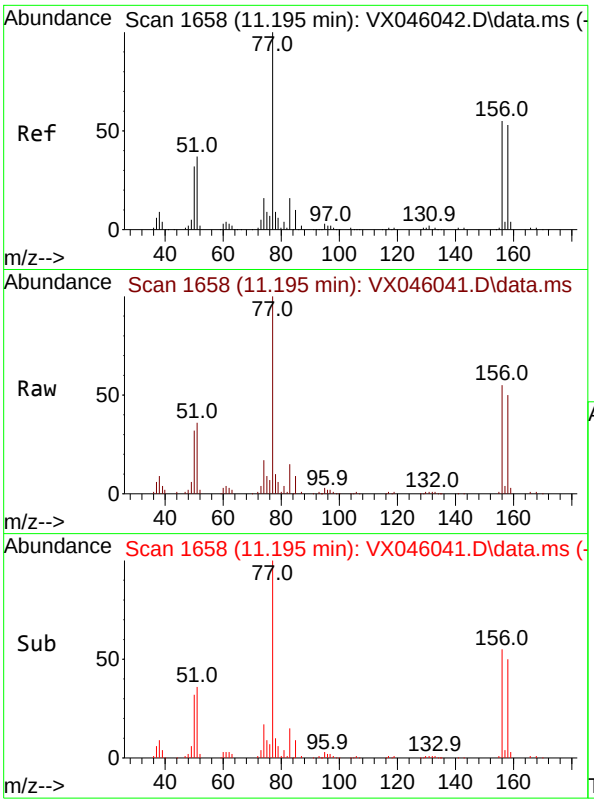


#76
1,2,3-Trichloropropane
Concen: 13.811 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 34837

Ion	Ratio	Lower	Upper
75	100		
77	34.4	20.5	61.5



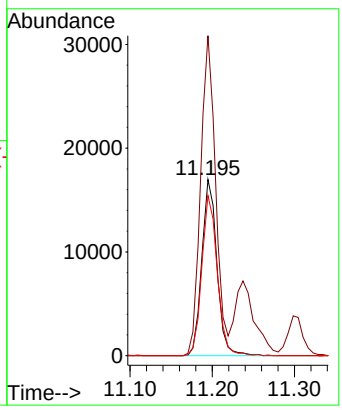


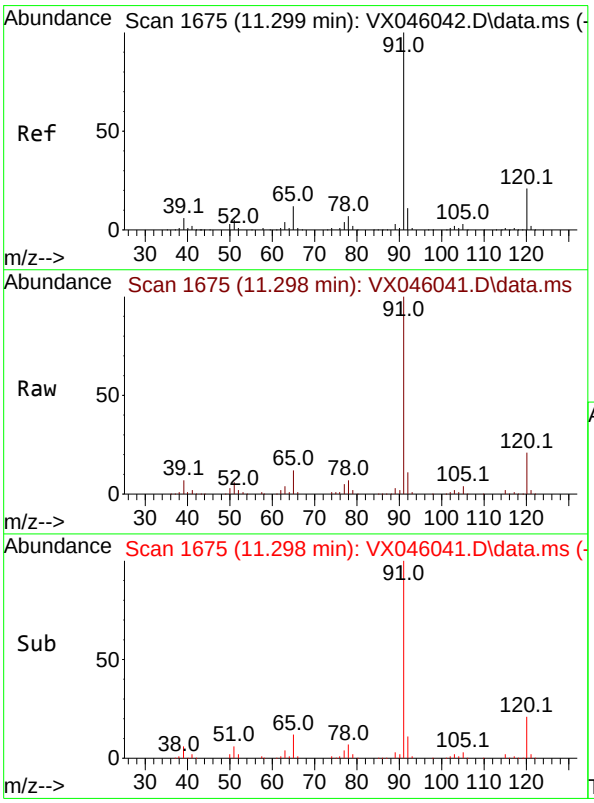
#77
Bromobenzene
Concen: 14.212 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 21695

Ion	Ratio	Lower	Upper
156	100		
77	179.9	92.8	278.3
158	93.1	48.8	146.3

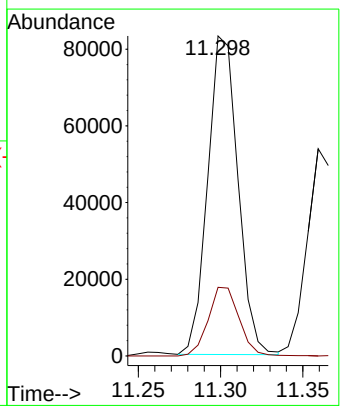


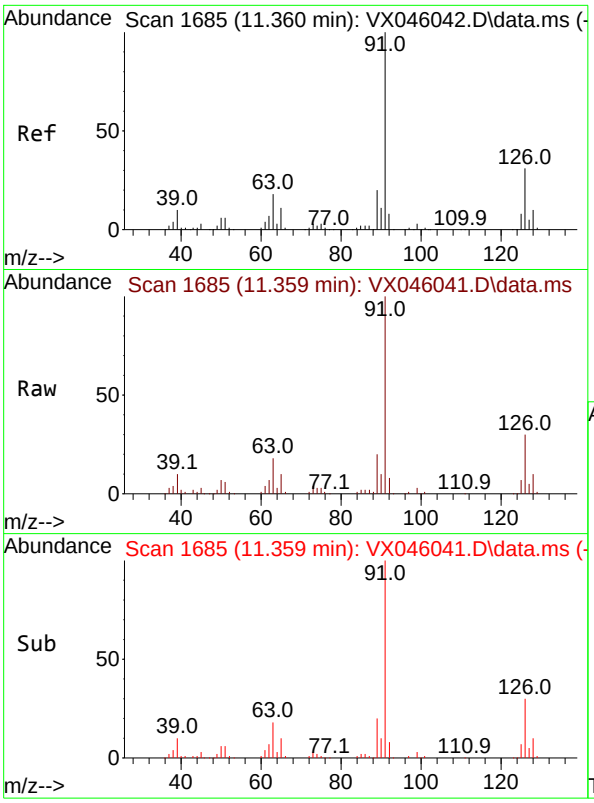


#78
n-propylbenzene
Concen: 14.376 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 106337

Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.4



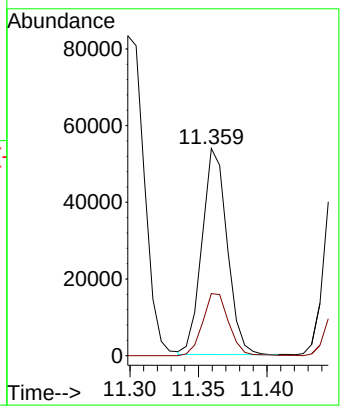


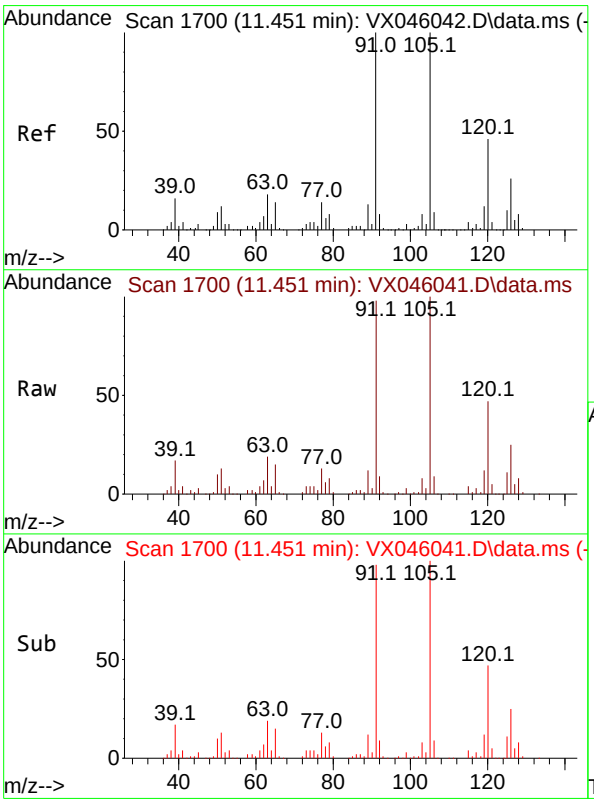
#79
2-Chlorotoluene
Concen: 13.748 ug/l
RT: 11.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 68534

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.7

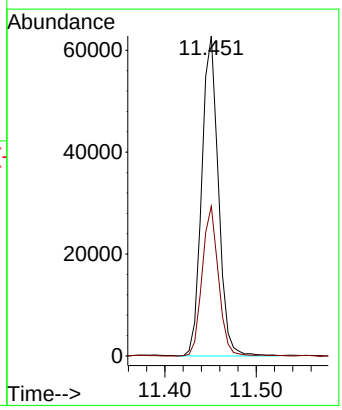


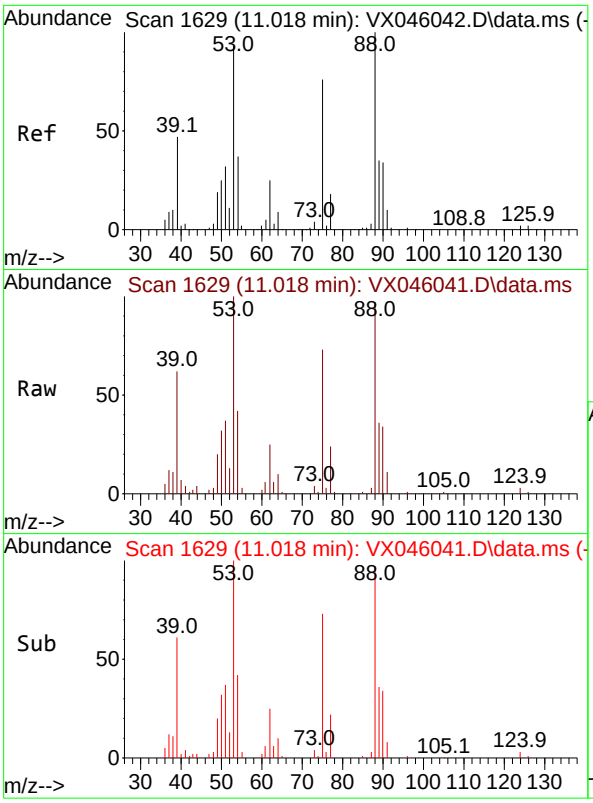


#80
1,3,5-Trimethylbenzene
Concen: 14.468 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 79261

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2



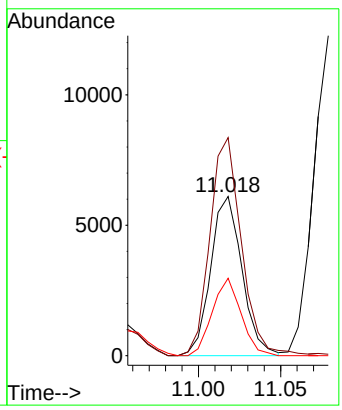


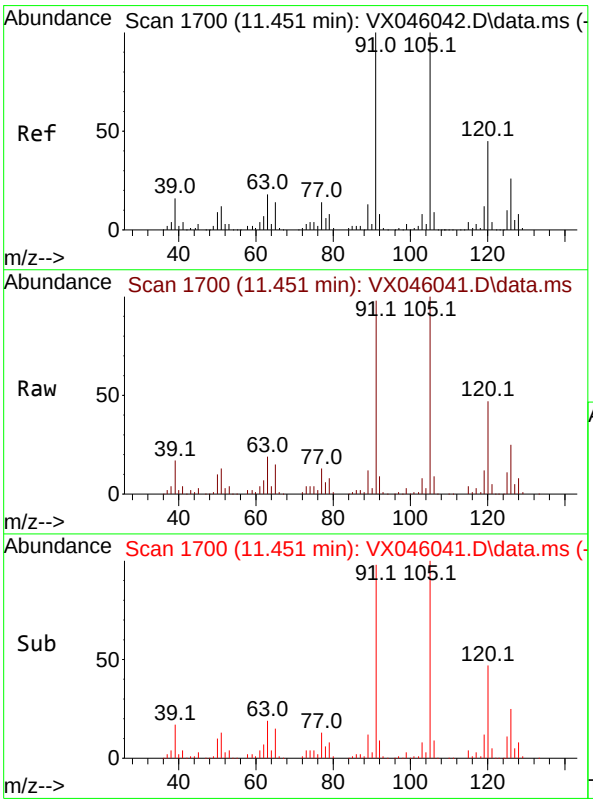
#81
trans-1,4-Dichloro-2-butene
Concen: 13.371 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 8104

Ion	Ratio	Lower	Upper
75	100		
53	138.3	100.5	150.7
89	44.6	37.0	55.6

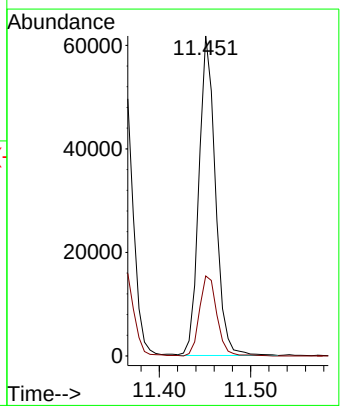


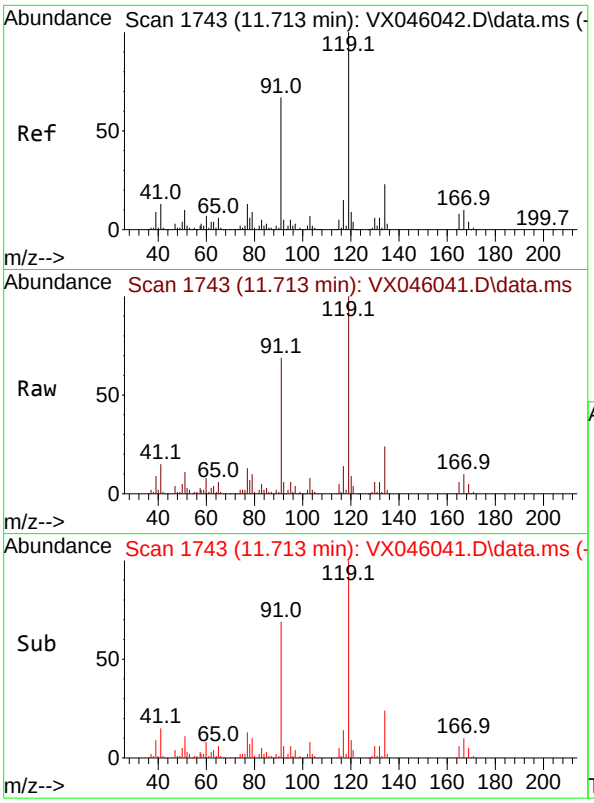


#82
4-Chlorotoluene
Concen: 14.116 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 91 Resp: 77338

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8



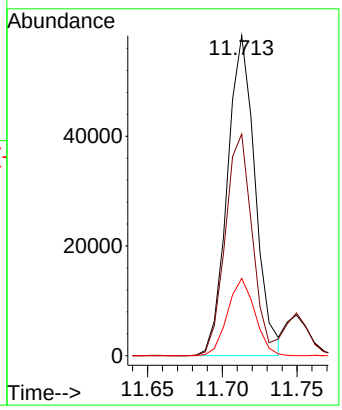


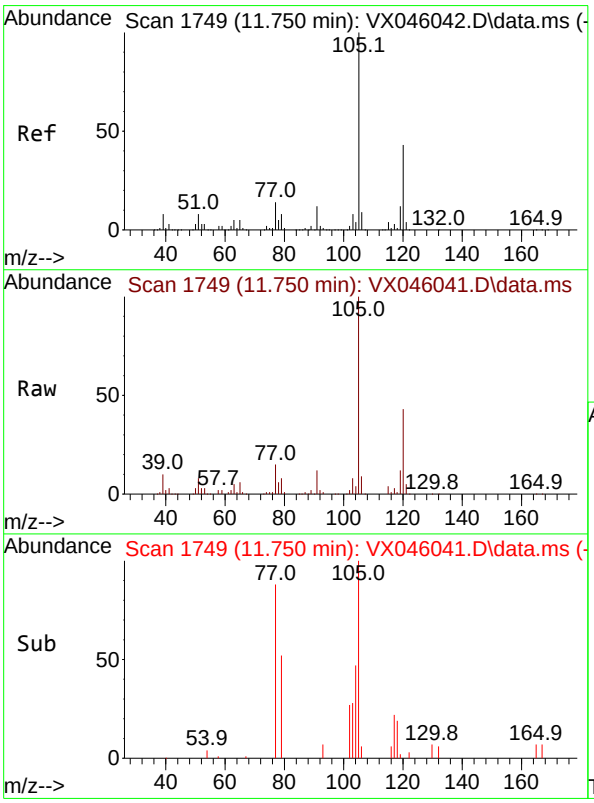
#83
tert-Butylbenzene
Concen: 14.011 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 75382

Ion	Ratio	Lower	Upper
119	100		
91	66.8	32.9	98.7
134	23.7	11.4	34.1

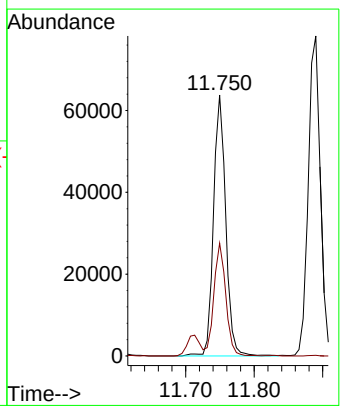


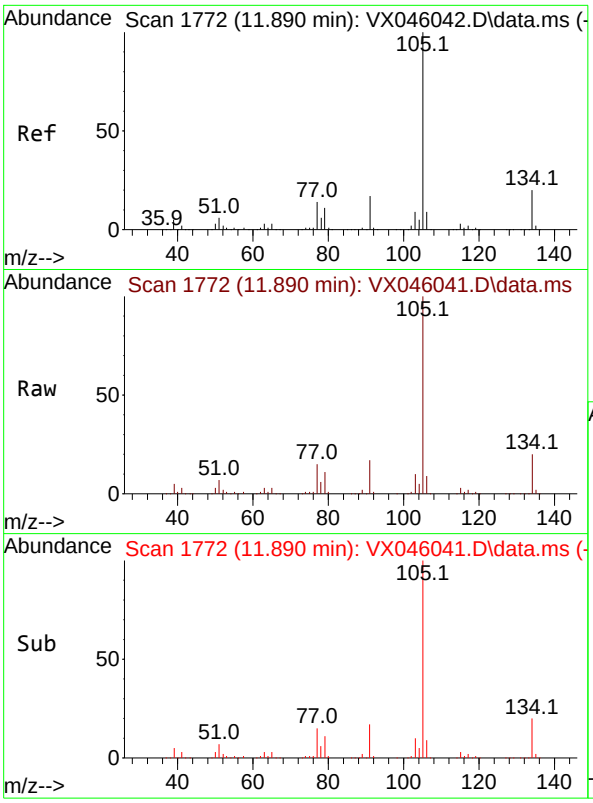


#84
1,2,4-Trimethylbenzene
Concen: 14.480 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:105 Resp: 79232

Ion	Ratio	Lower	Upper
105	100		
120	42.0	21.2	63.6



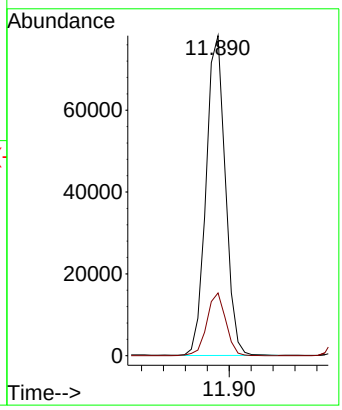


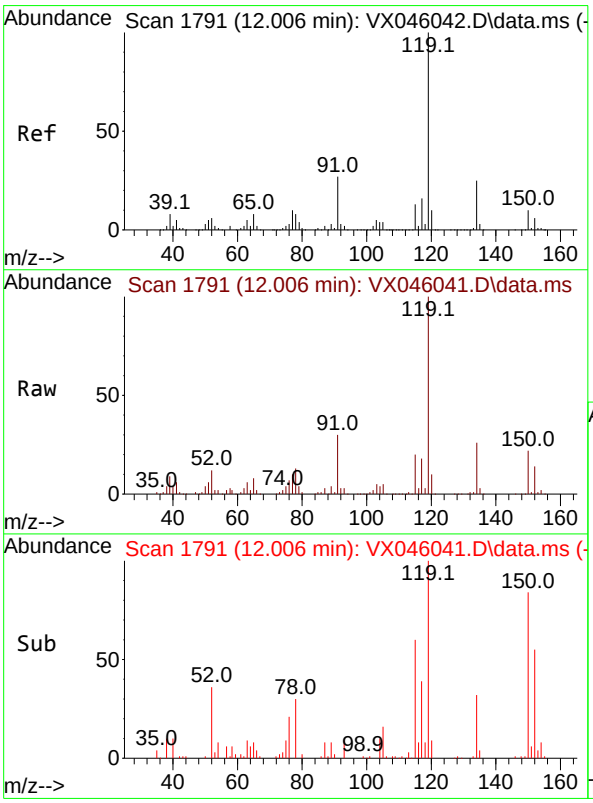
#85
sec-Butylbenzene
Concen: 14.263 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 95271

Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1

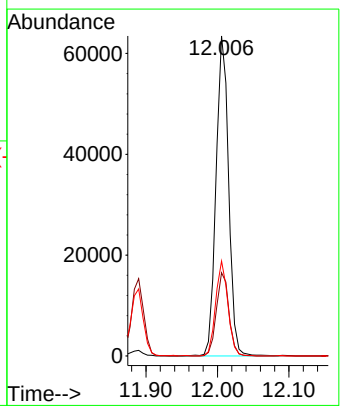


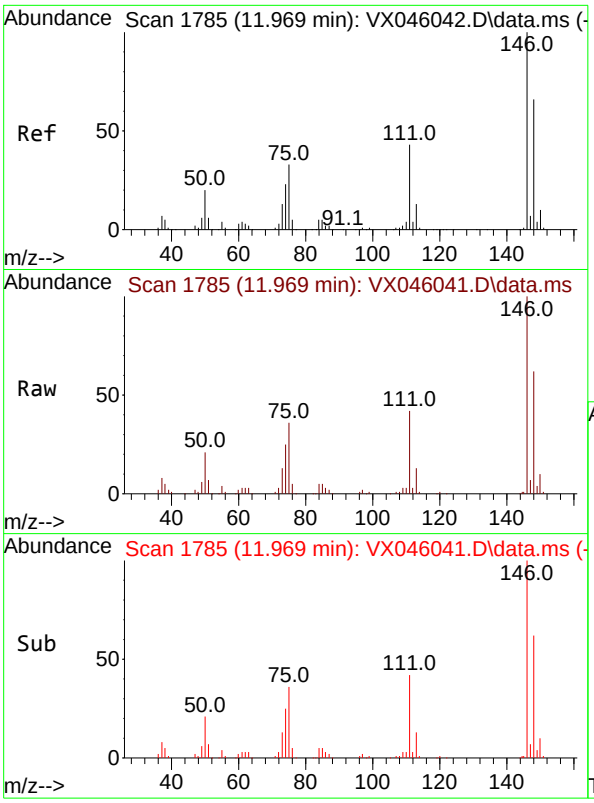


#86
p-Isopropyltoluene
Concen: 14.387 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:119 Resp: 77599

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.5	37.5
91	28.8	13.8	41.4



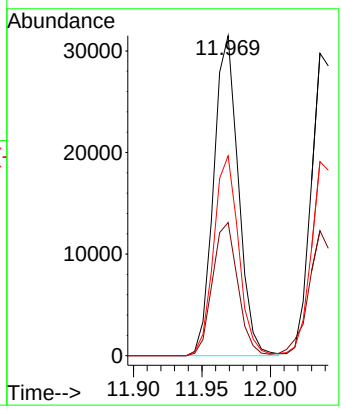


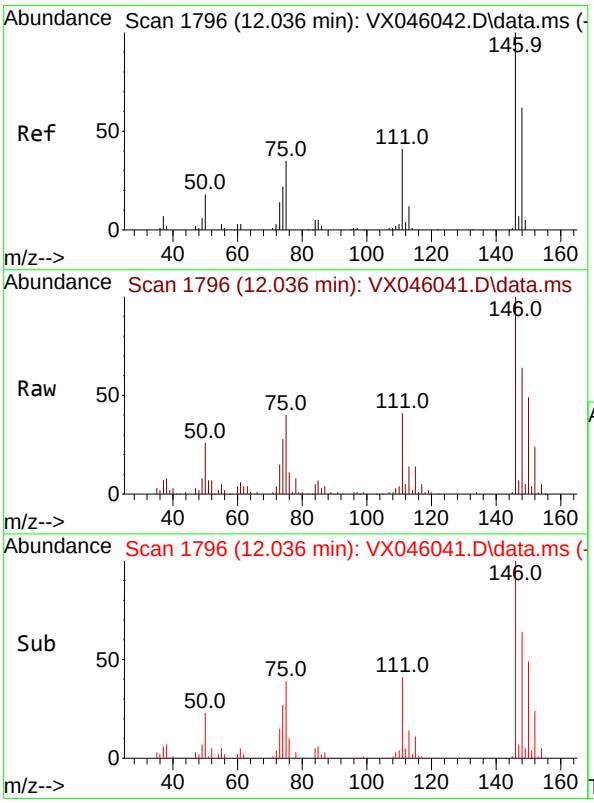
#87
1,3-Dichlorobenzene
Concen: 13.898 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 39520

Ion	Ratio	Lower	Upper
146	100		
111	42.7	22.1	66.3
148	62.9	32.1	96.5

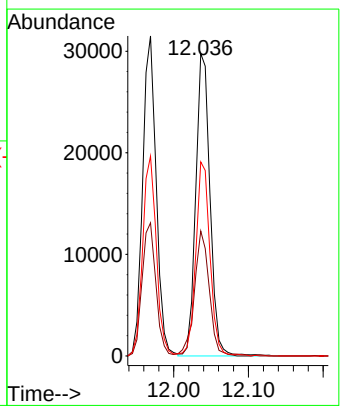


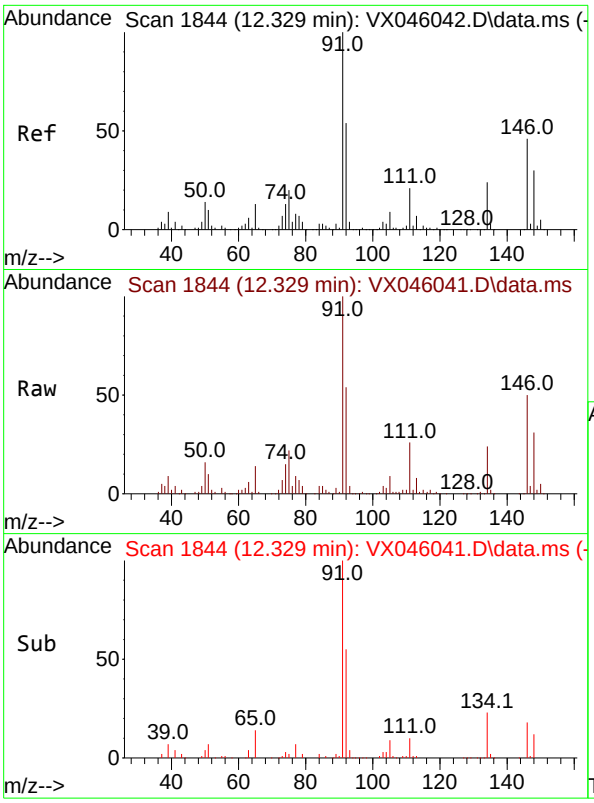


#88
1,4-Dichlorobenzene
Concen: 14.146 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:146 Resp: 39419

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.3	63.9
148	64.2	31.9	95.5



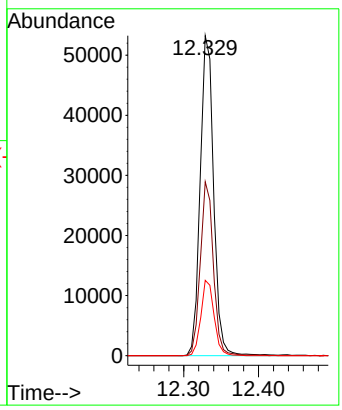


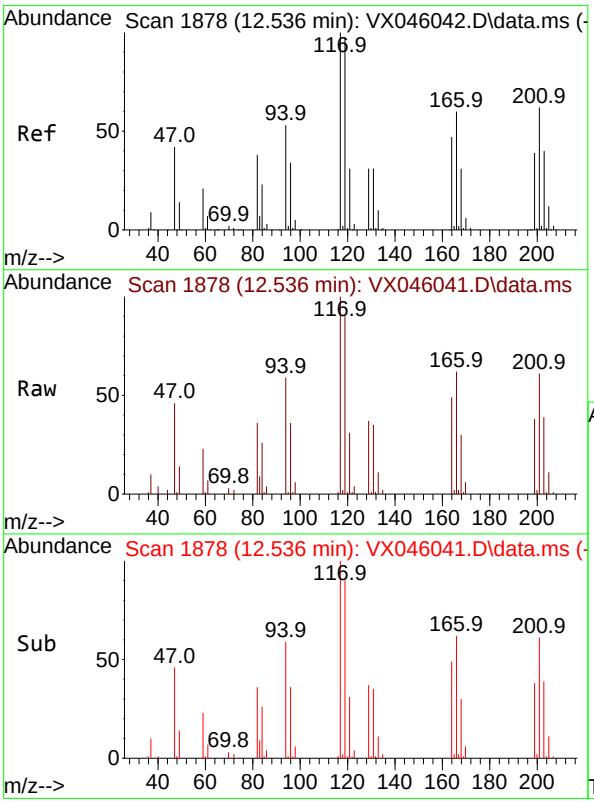
#89
n-Butylbenzene
Concen: 14.184 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 66506

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.9	80.7
134	23.1	11.8	35.3

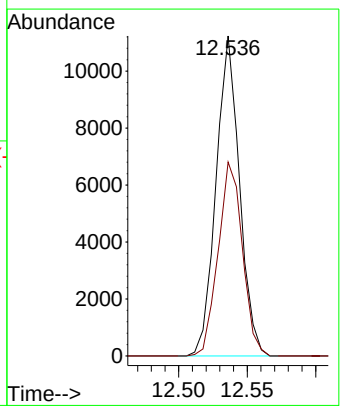


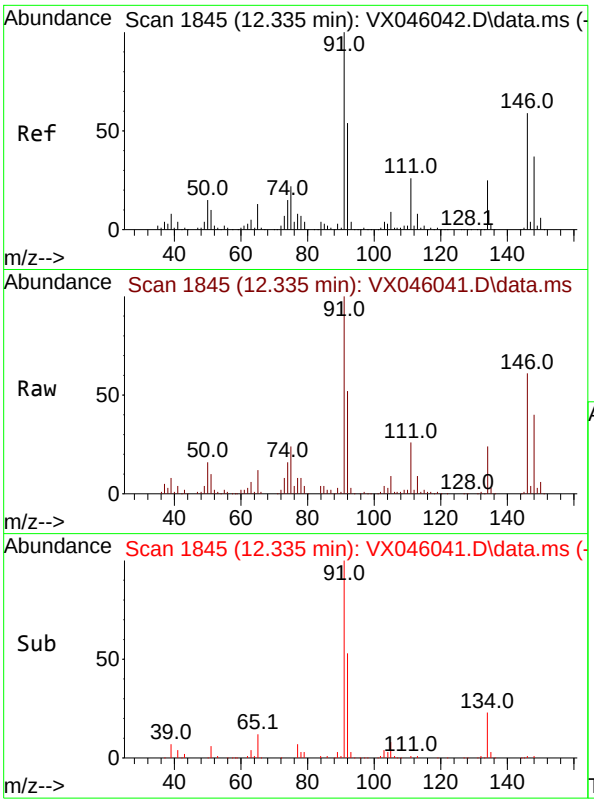


#90
Hexachloroethane
Concen: 13.287 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:117 Resp: 13332

Ion	Ratio	Lower	Upper
117	100		
201	62.9	31.6	94.7



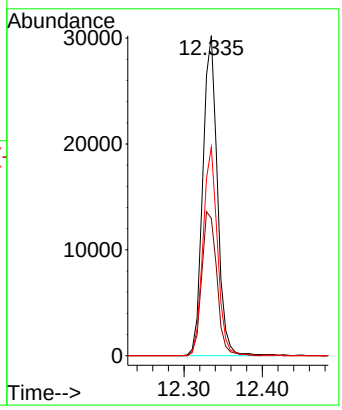


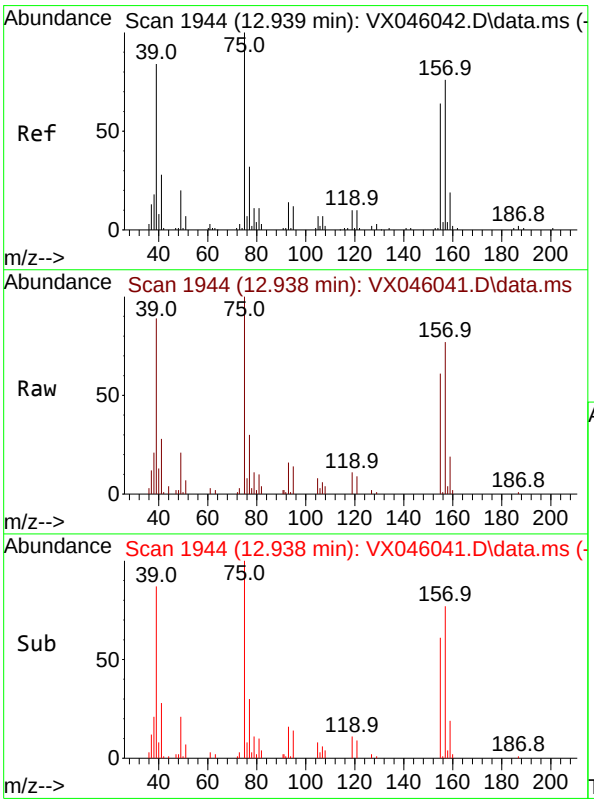
#91
1,2-Dichlorobenzene
Concen: 14.092 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 39031

Ion	Ratio	Lower	Upper
146	100		
111	46.6	22.4	67.3
148	64.2	31.6	94.8

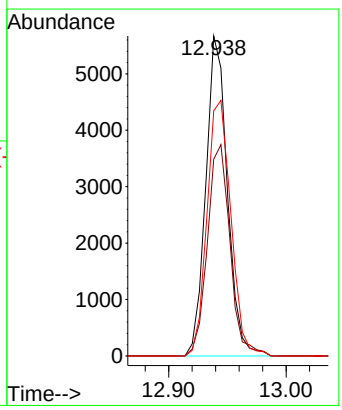


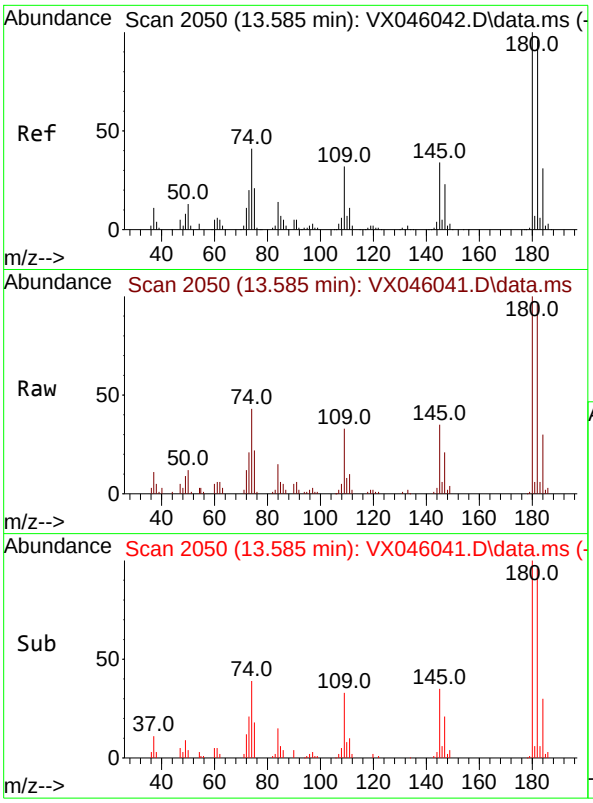


#92
1,2-Dibromo-3-Chloropropane
Concen: 13.535 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion: 75 Resp: 7232

Ion	Ratio	Lower	Upper
75	100		
155	69.4	34.9	104.8
157	88.4	43.8	131.4



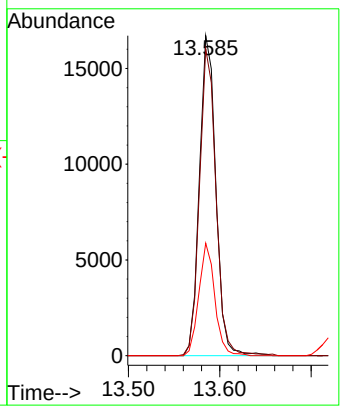


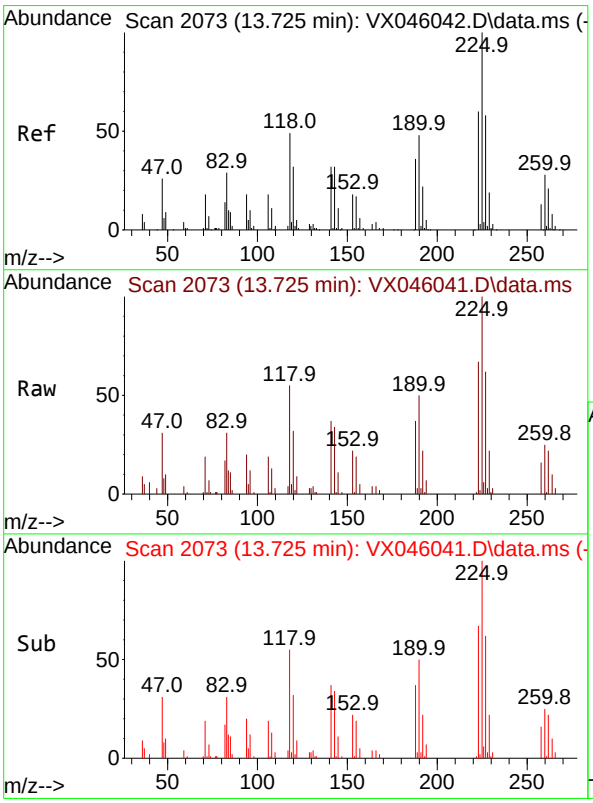
#93
1,2,4-Trichlorobenzene
Concen: 13.745 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 20846

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.8
145	34.1	17.1	51.2

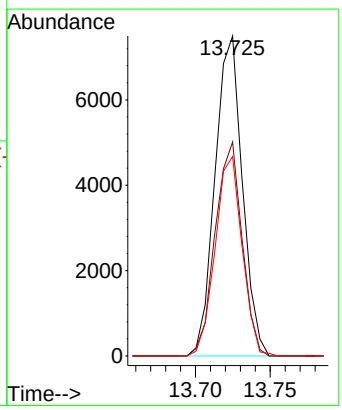


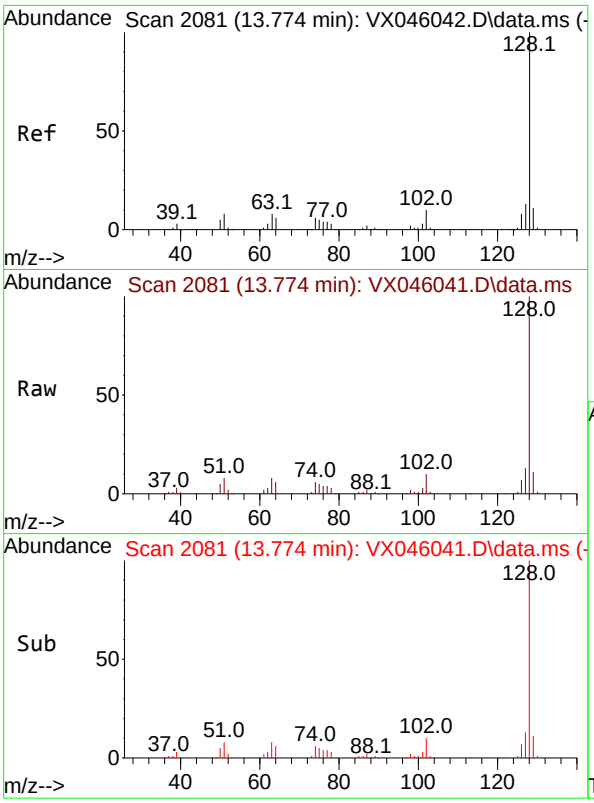


#94
Hexachlorobutadiene
Concen: 13.426 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:225 Resp: 9524

Ion	Ratio	Lower	Upper
225	100		
223	65.6	30.8	92.4
227	61.4	30.9	92.7



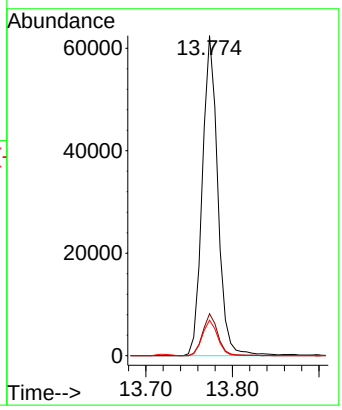


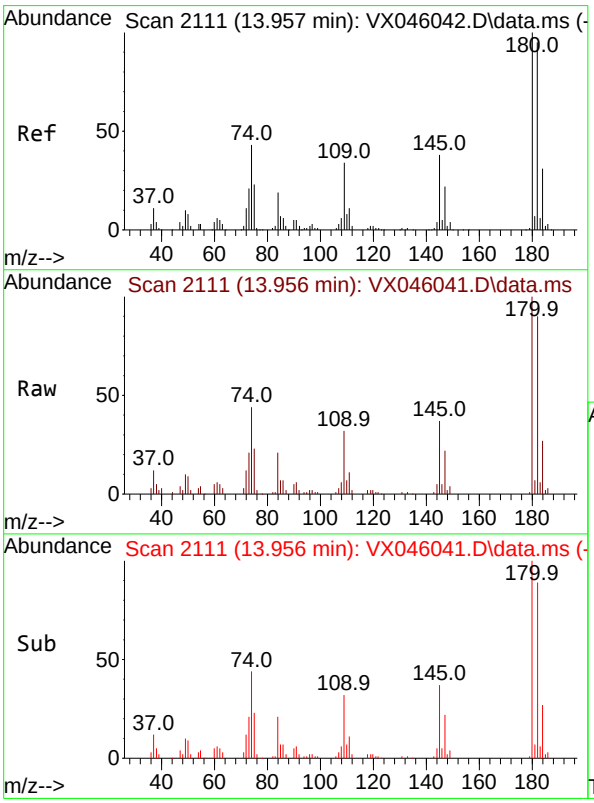
#95
Naphthalene
Concen: 14.040 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 77542

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.1	8.6	13.0

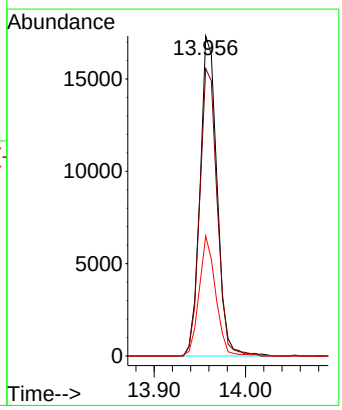




#96
1,2,3-Trichlorobenzene
Concen: 14.023 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046041.D
Acq: 05 May 2025 11:35

Tgt Ion:180 Resp: 22301

Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.8	143.3
145	36.5	18.1	54.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	97076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	146257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88371	30.601	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	61.200%#		
35) Dibromofluoromethane	5.379	113	59550	31.633	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	63.260%#		
50) Toluene-d8	8.647	98	205479	32.395	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	64.780%#		
62) 4-Bromofluorobenzene	11.079	95	79012	34.229	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	68.460%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	83826	39.120	ug/l	100
3) Chloromethane	1.307	50	75238	35.658	ug/l	100
4) Vinyl Chloride	1.374	62	68901	37.273	ug/l	100
5) Bromomethane	1.593	94	31648	33.765	ug/l	100
6) Chloroethane	1.666	64	36722	38.558	ug/l	100
7) Trichlorofluoromethane	1.874	101	103693	36.824	ug/l	100
8) Diethyl Ether	2.136	74	32724	35.350	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	62251	36.997	ug/l	100
10) Methyl Iodide	2.447	142	78277	39.622	ug/l	100
11) Tert butyl alcohol	2.977	59	62557	181.745	ug/l	100
12) 1,1-Dichloroethene	2.313	96	58334	35.610	ug/l	100
13) Acrolein	2.233	56	73927	184.907	ug/l	100
14) Allyl chloride	2.654	41	114445	36.971	ug/l	100
15) Acrylonitrile	3.062	53	188304	182.874	ug/l	100
16) Acetone	2.386	43	175777	177.910	ug/l	100
17) Carbon Disulfide	2.502	76	141281	37.223	ug/l	100
18) Methyl Acetate	2.703	43	82347	34.915	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	209665	36.695	ug/l	100
20) Methylene Chloride	2.782	84	66412	33.182	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	59234	35.421	ug/l	100
22) Diisopropyl ether	3.757	45	221172	38.241	ug/l	100
23) Vinyl Acetate	3.721	43	994236	194.528	ug/l	100
24) 1,1-Dichloroethane	3.605	63	122601	36.067	ug/l	100
25) 2-Butanone	4.556	43	269224	188.783	ug/l	100
26) 2,2-Dichloropropane	4.465	77	92857	36.059	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71518	35.466	ug/l	100
28) Bromochloromethane	4.898	49	56091	31.031	ug/l	100
29) Tetrahydrofuran	5.001	42	170124	183.679	ug/l	100
30) Chloroform	5.087	83	125850	35.626	ug/l	100
31) Cyclohexane	5.464	56	109459	38.205	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	109781	36.034	ug/l	100
36) 1,1-Dichloropropene	5.684	75	83215	38.073	ug/l	100
37) Ethyl Acetate	4.715	43	102537	37.394	ug/l	100
38) Carbon Tetrachloride	5.672	117	93712	37.320	ug/l	100
39) Methylcyclohexane	7.373	83	107651	39.307	ug/l	100
40) Benzene	6.031	78	247476	36.530	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	58082	38.123	ug/l		100
42) 1,2-Dichloroethane	6.080	62	105332	37.605	ug/l		100
43) Isopropyl Acetate	6.336	43	161787	38.598	ug/l		100
44) Trichloroethene	7.123	130	59623	37.230	ug/l		100
45) 1,2-Dichloropropane	7.428	63	62387	37.064	ug/l		100
46) Dibromomethane	7.574	93	48201	36.326	ug/l		100
47) Bromodichloromethane	7.818	83	96916	37.685	ug/l		100
48) Methyl methacrylate	7.690	41	84277	39.157	ug/l		100
49) 1,4-Dioxane	7.659	88	30529	713.477	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	532388	193.653	ug/l		100
52) Toluene	8.714	92	150757	37.530	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	88655	41.056	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	97031	38.521	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	59499	36.648	ug/l		100
56) Ethyl methacrylate	9.116	69	99947	39.726	ug/l		100
57) 1,3-Dichloropropane	9.305	76	104606	36.347	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	257678	227.902	ug/l		100
59) 2-Hexanone	9.427	43	396784	190.168	ug/l		100
60) Dibromochloromethane	9.519	129	67198	38.027	ug/l		100
61) 1,2-Dibromoethane	9.604	107	62633	37.567	ug/l		100
64) Tetrachloroethene	9.269	164	54853	36.726	ug/l		100
65) Chlorobenzene	10.079	112	160600	35.686	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57066	38.017	ug/l		100
67) Ethyl Benzene	10.189	91	295712	38.543	ug/l		100
68) m/p-Xylenes	10.299	106	216578	78.142	ug/l		100
69) o-Xylene	10.640	106	106335	38.064	ug/l		100
70) Styrene	10.653	104	178313	39.888	ug/l		100
71) Bromoform	10.799	173	44486	39.457	ug/l	#	100
73) Isopropylbenzene	10.957	105	280719	37.865	ug/l		100
74) N-amyl acetate	10.842	43	140509	38.012	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	90975	34.495	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	102335	36.110	ug/l		86
77) Bromobenzene	11.195	156	63053	36.763	ug/l		100
78) n-propylbenzene	11.299	91	329981	39.707	ug/l		100
79) 2-Chlorotoluene	11.360	91	203509	36.336	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	237066	38.516	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	26179	38.445	ug/l		100
82) 4-Chlorotoluene	11.451	91	233172	37.880	ug/l		100
83) tert-Butylbenzene	11.713	119	233468	38.622	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	239433	38.946	ug/l		100
85) sec-Butylbenzene	11.890	105	291074	38.786	ug/l		100
86) p-Isopropyltoluene	12.006	119	241658	39.879	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	115651	36.199	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	115097	36.763	ug/l		100
89) n-Butylbenzene	12.329	91	213899	40.603	ug/l		100
90) Hexachloroethane	12.536	117	42314	37.534	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	115286	37.047	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21909	36.496	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	66655	39.117	ug/l		100
94) Hexachlorobutadiene	13.725	225	29007	36.395	ug/l		100
95) Naphthalene	13.774	128	245568	39.575	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	69262	38.765	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

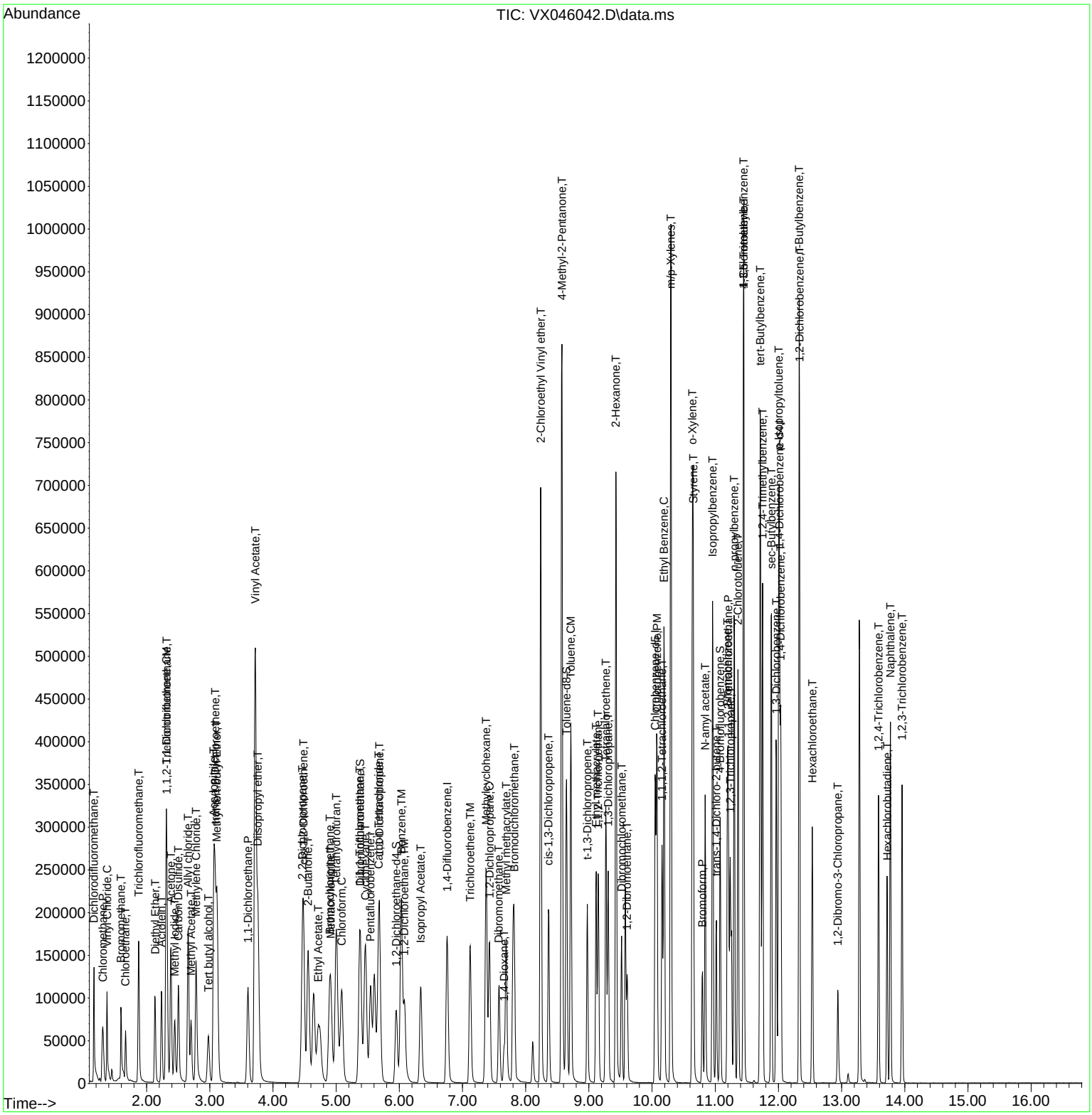
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

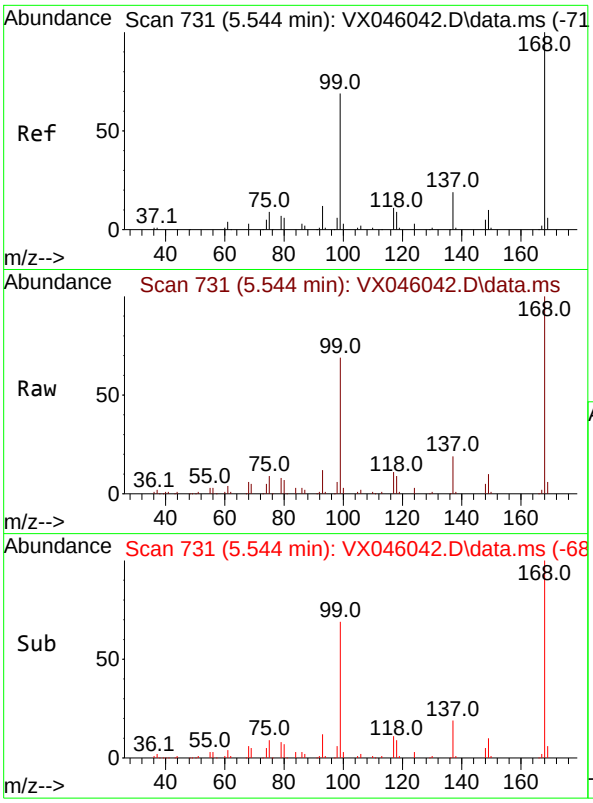
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046042.D
Acq On : 05 May 2025 11:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Quant Time: May 06 06:09:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration



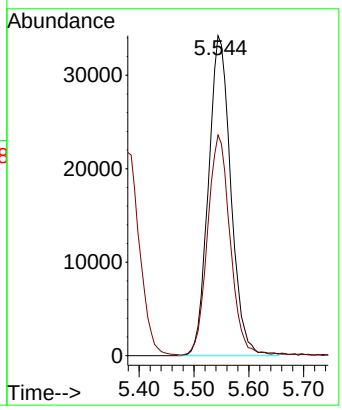


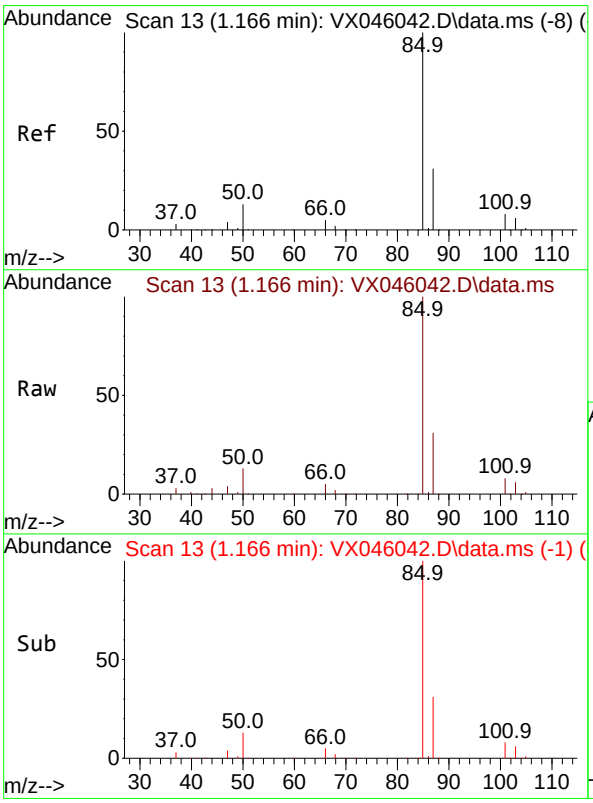
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 97076

Ion	Ratio	Lower	Upper
168	100		
99	68.6	54.9	82.3

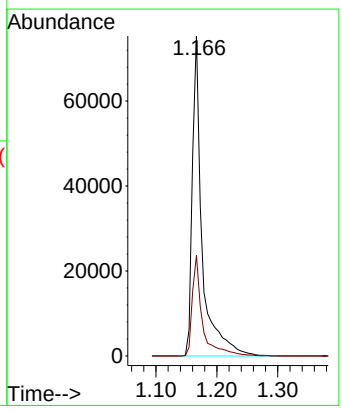


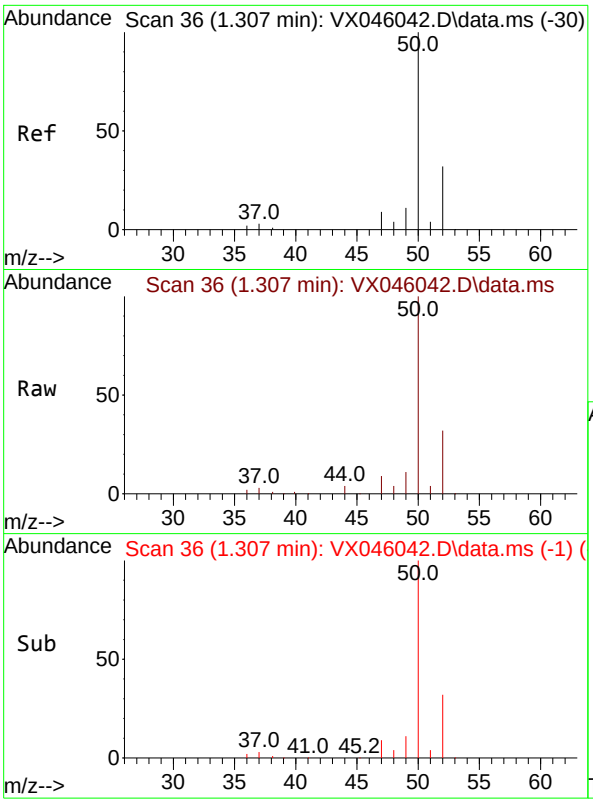


#2
Dichlorodifluoromethane
Concen: 39.120 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 85 Resp: 83826

Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.7	47.1



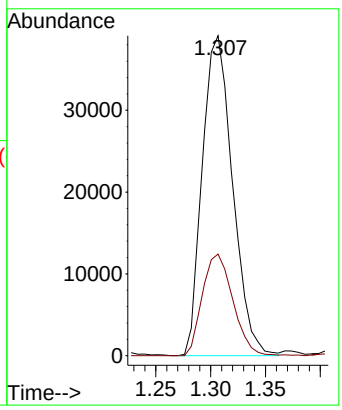


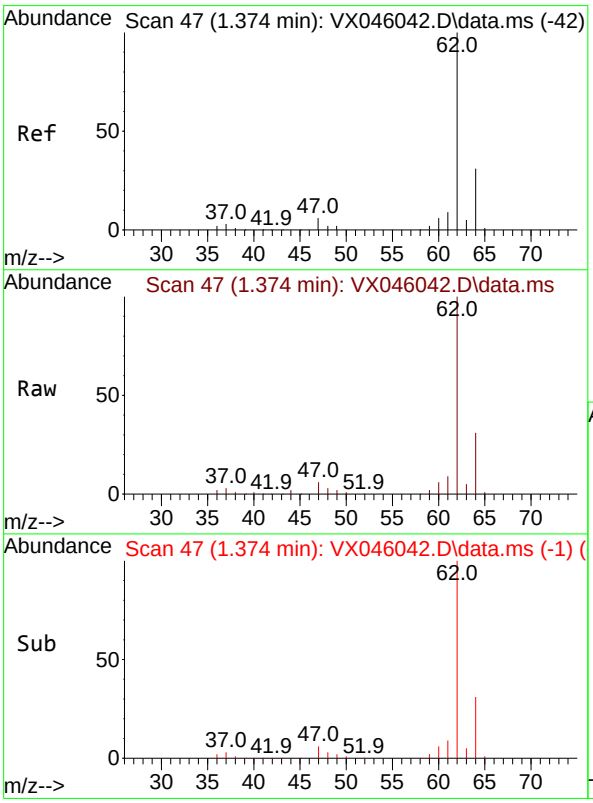
#3
Chloromethane
Concen: 35.658 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 75238

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2

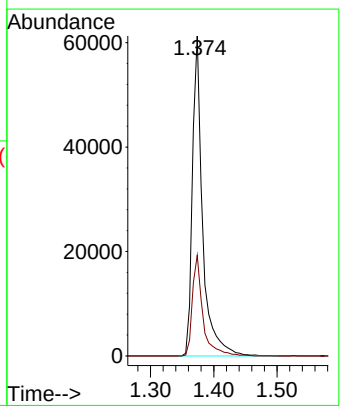


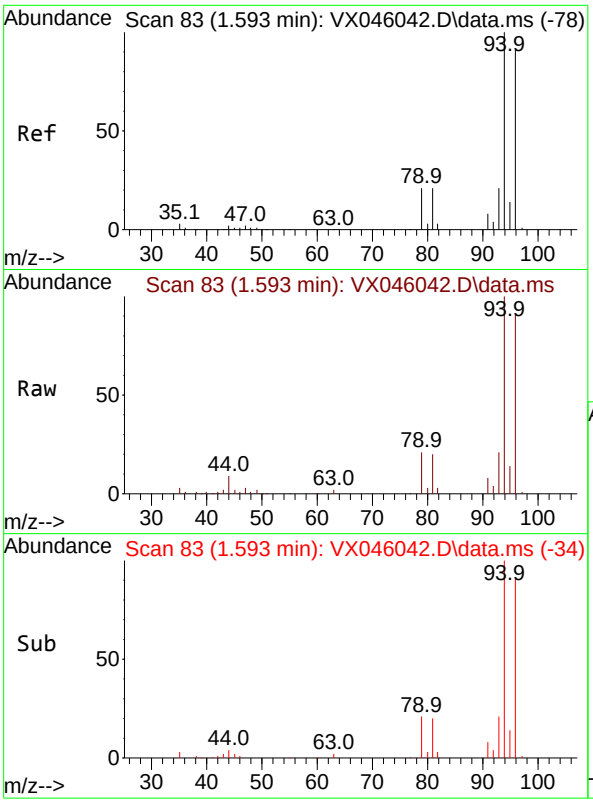


#4
Vinyl Chloride
Concen: 37.273 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 68901

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.2	37.8



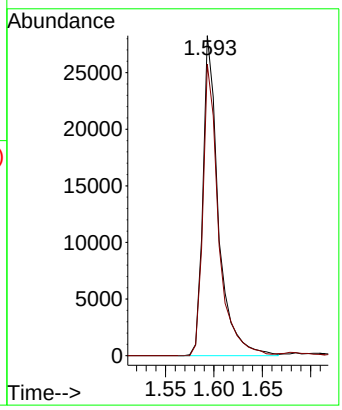


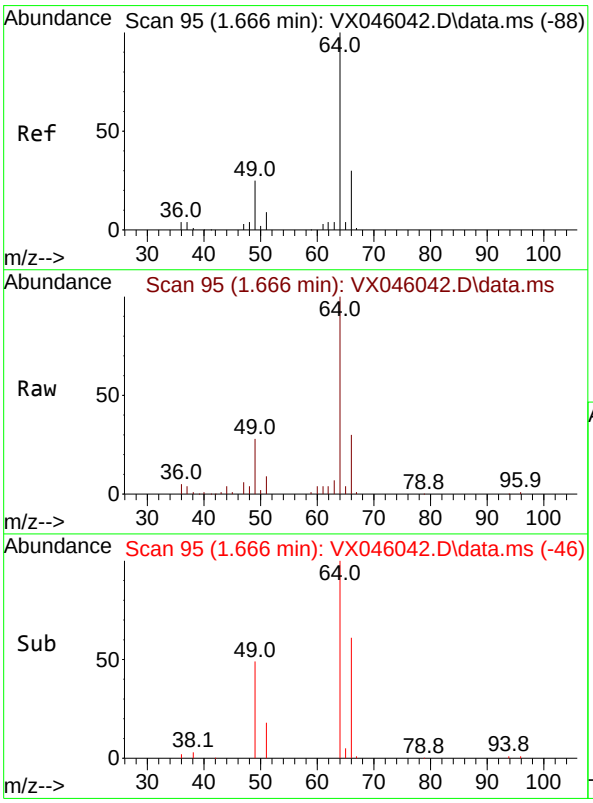
#5
Bromomethane
Concen: 33.765 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 31648

Ion	Ratio	Lower	Upper
94	100		
96	91.0	72.8	109.2

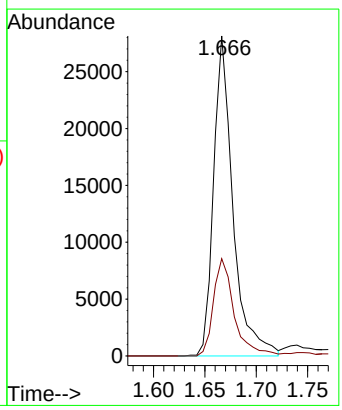


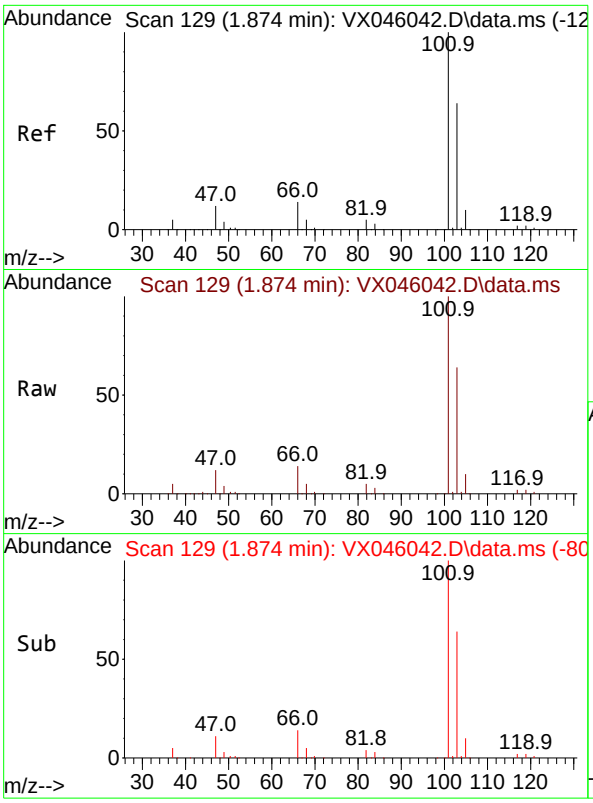


#6
Chloroethane
Concen: 38.558 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 64 Resp: 36722

Ion	Ratio	Lower	Upper
64	100		
66	30.4	24.3	36.5



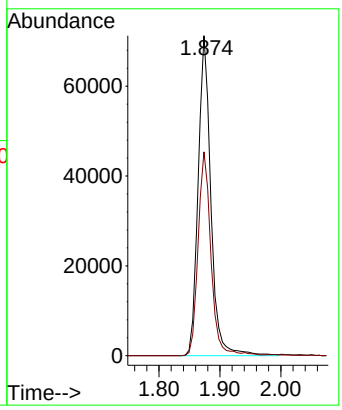


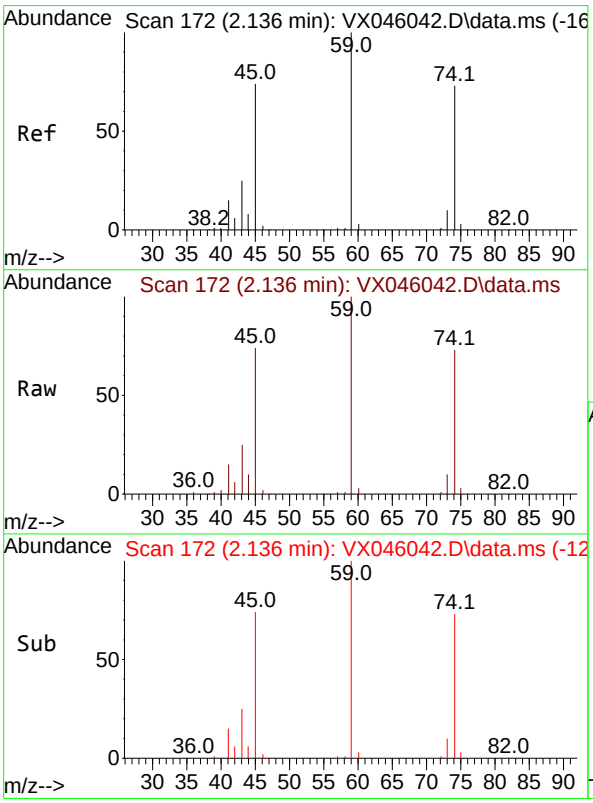
#7
Trichlorofluoromethane
Concen: 36.824 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 103693

Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.0	76.4

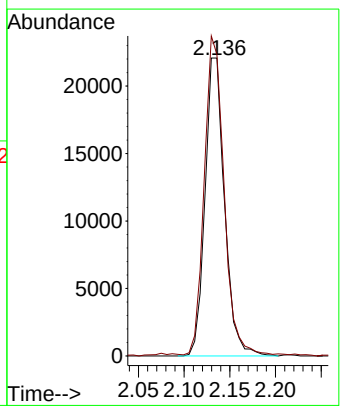


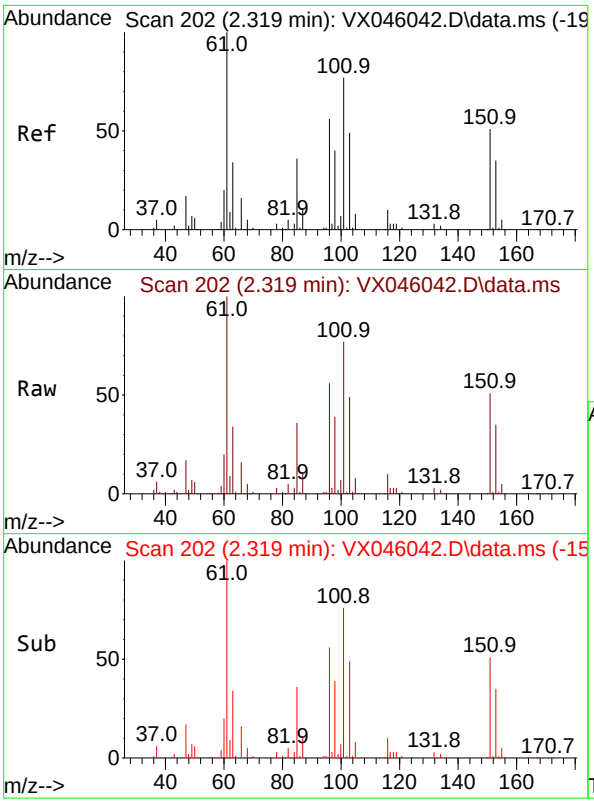


#8
Diethyl Ether
Concen: 35.350 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 74 Resp: 32724

Ion	Ratio	Lower	Upper
74	100		
45	109.9	54.9	164.8



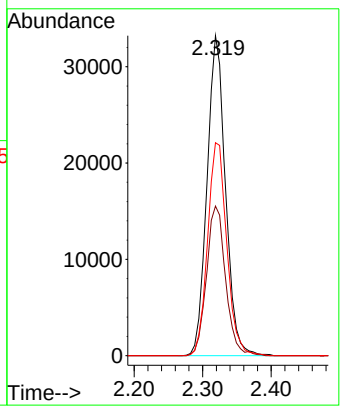


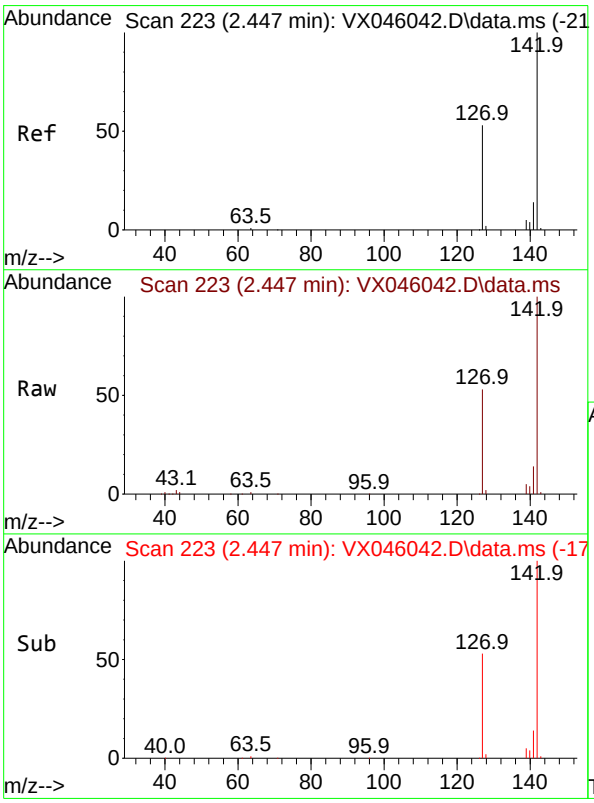
#9
1,1,2-Trichlorotrifluoroethane
Concen: 36.997 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 62251

Ion	Ratio	Lower	Upper
101	100		
85	48.3	38.6	58.0
151	69.0	55.2	82.8

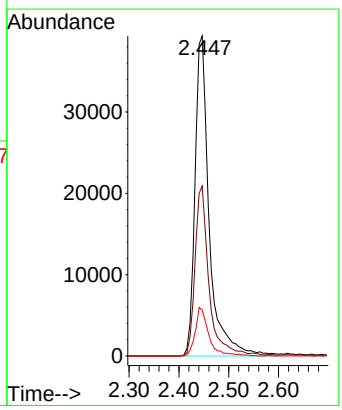


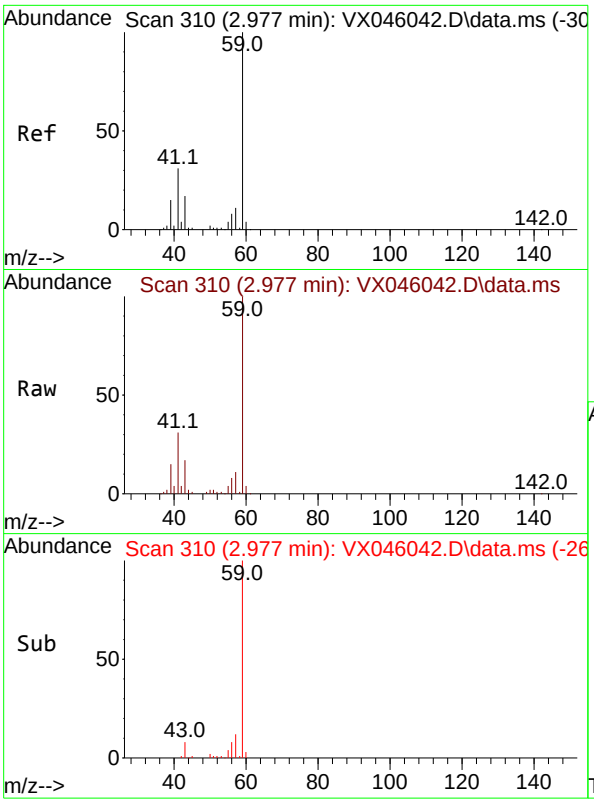


#10
Methyl Iodide
Concen: 39.622 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:142 Resp: 78277

Ion	Ratio	Lower	Upper
142	100		
127	52.1	41.7	62.5
141	14.4	11.5	17.3



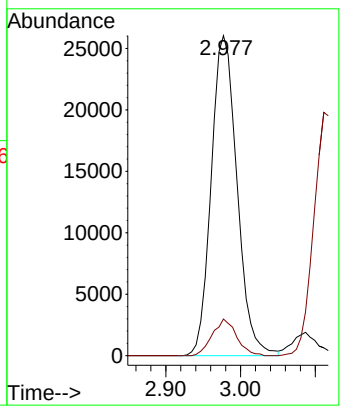


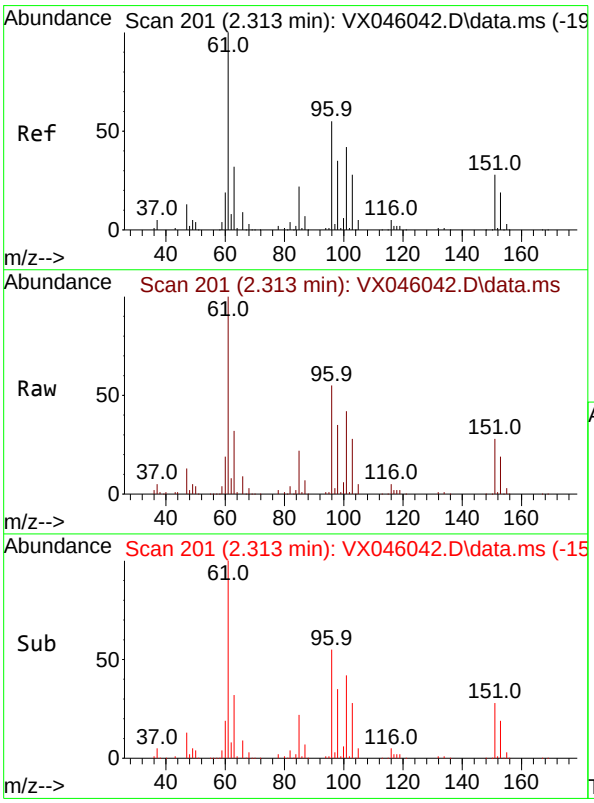
#11
Tert butyl alcohol
Concen: 181.745 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 62557

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

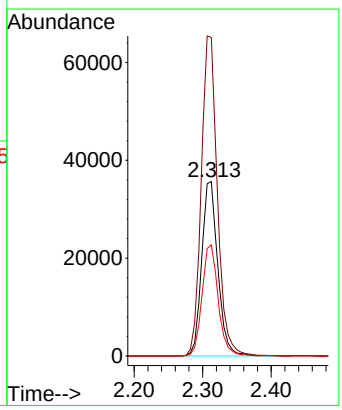


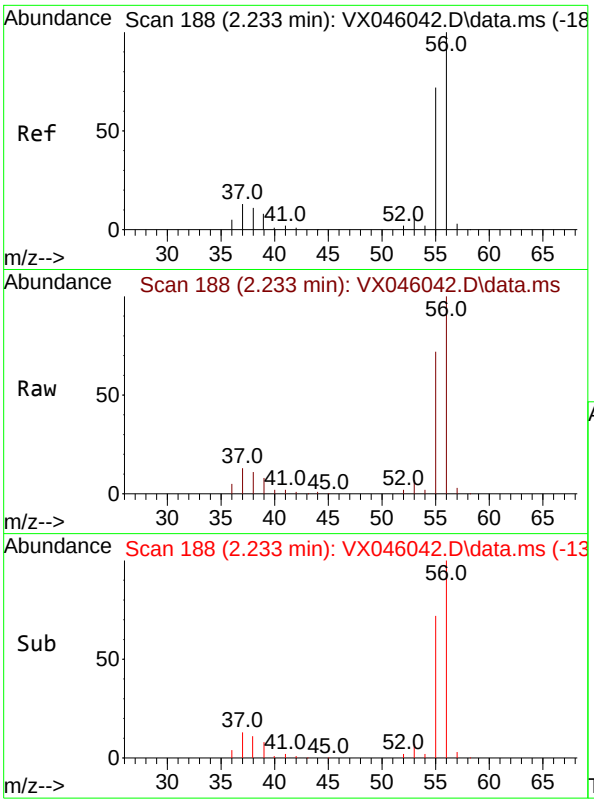


#12
1,1-Dichloroethene
Concen: 35.610 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 96 Resp: 58334

Ion	Ratio	Lower	Upper
96	100		
61	182.7	146.2	219.2
98	63.8	51.0	76.6



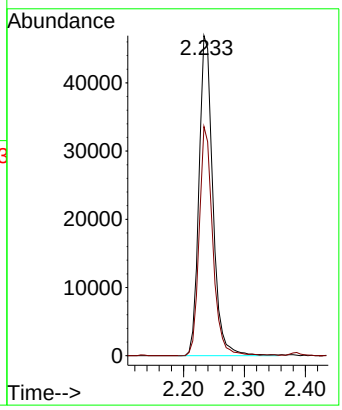


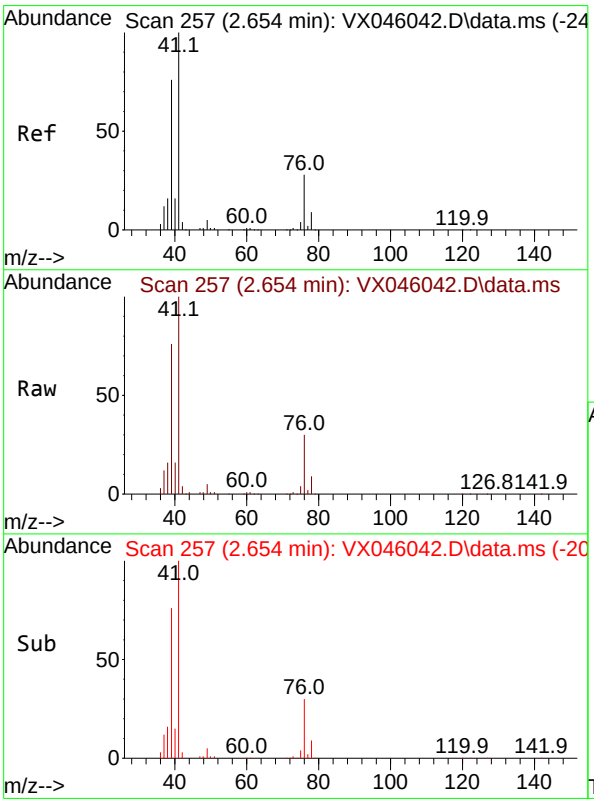
#13
Acrolein
Concen: 184.907 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 73927

Ion	Ratio	Lower	Upper
56	100		
55	70.3	56.2	84.4

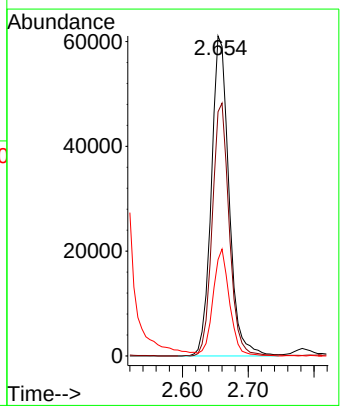


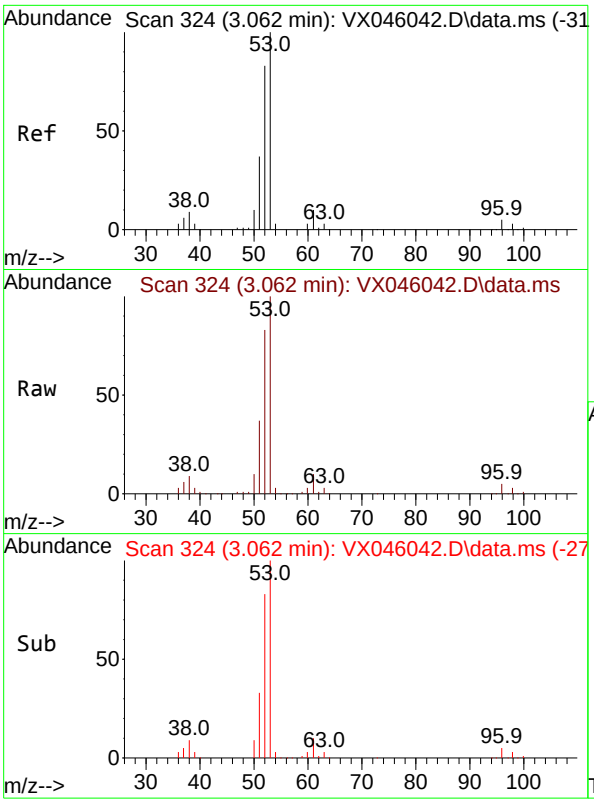


#14
Allyl chloride
Concen: 36.971 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 41 Resp: 114445

Ion	Ratio	Lower	Upper
41	100		
39	75.7	60.6	90.8
76	31.1	24.9	37.3



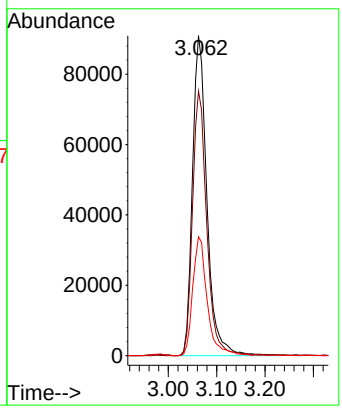


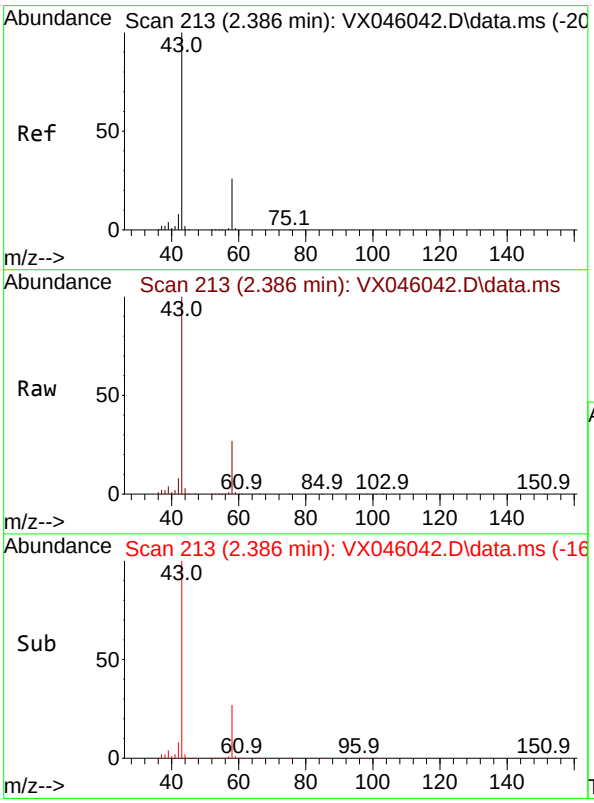
#15
Acrylonitrile
Concen: 182.874 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 188304

Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.3	97.9
51	37.3	29.8	44.8

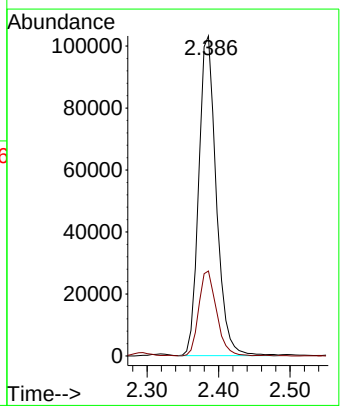


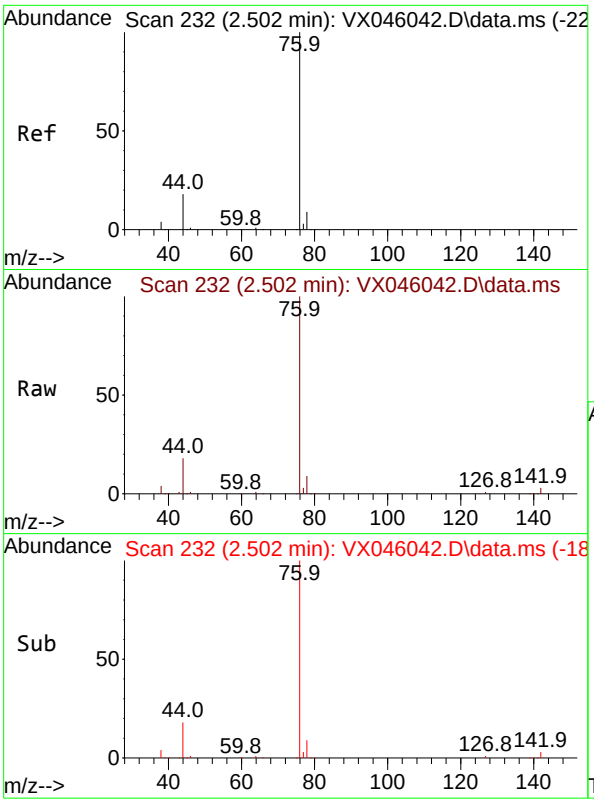


#16
Acetone
Concen: 177.910 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 175777

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8



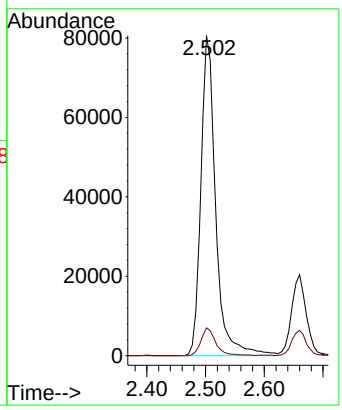


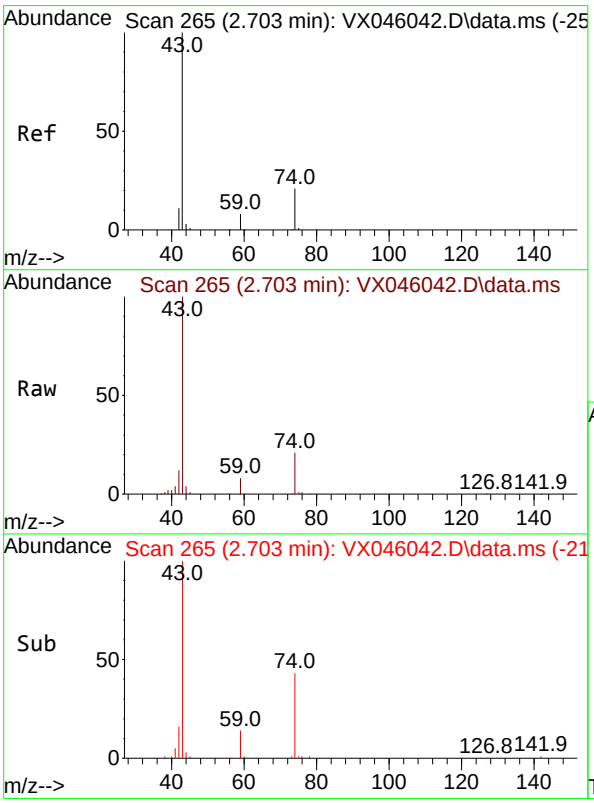
#17
Carbon Disulfide
Concen: 37.223 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 141281

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

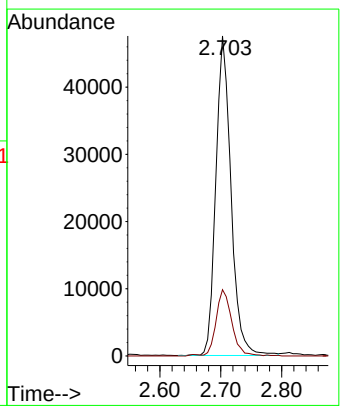


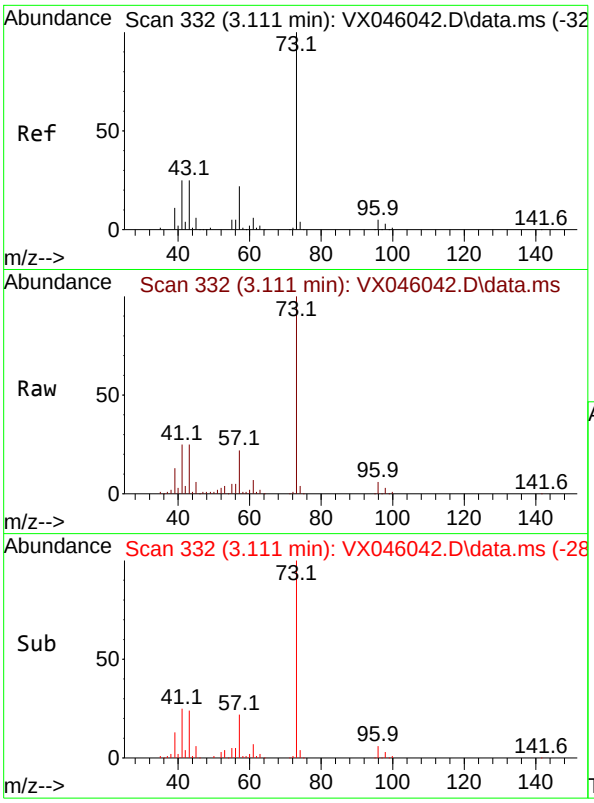


#18
Methyl Acetate
Concen: 34.915 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 82347

Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1



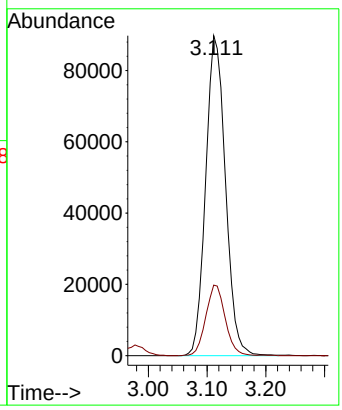


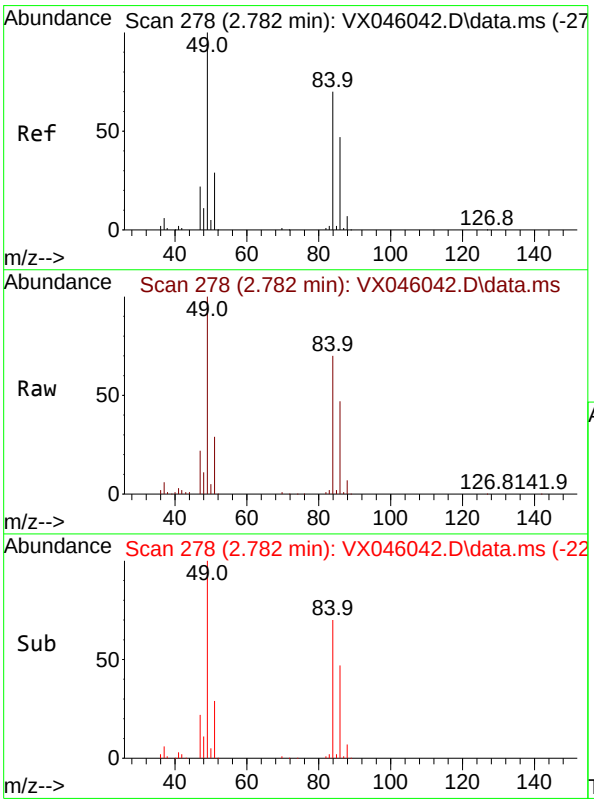
#19
Methyl tert-butyl Ether
Concen: 36.695 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 209665

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

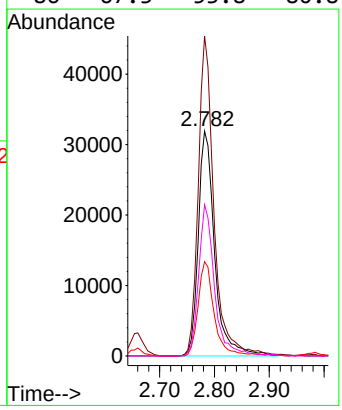


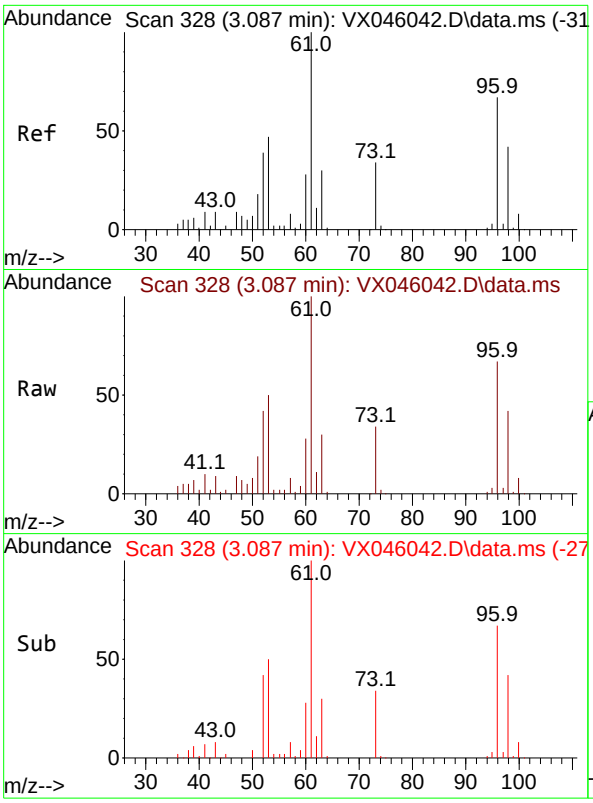


#20
Methylene Chloride
Concen: 33.182 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 84 Resp: 66412

Ion	Ratio	Lower	Upper
84	100		
49	142.4	113.9	170.9
51	41.9	33.5	50.3
86	67.3	53.8	80.8



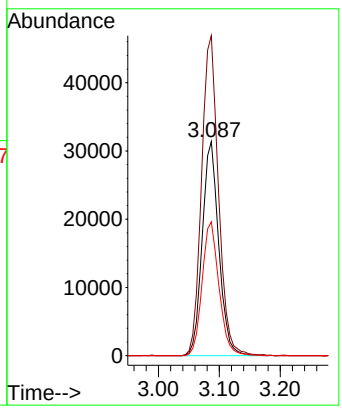


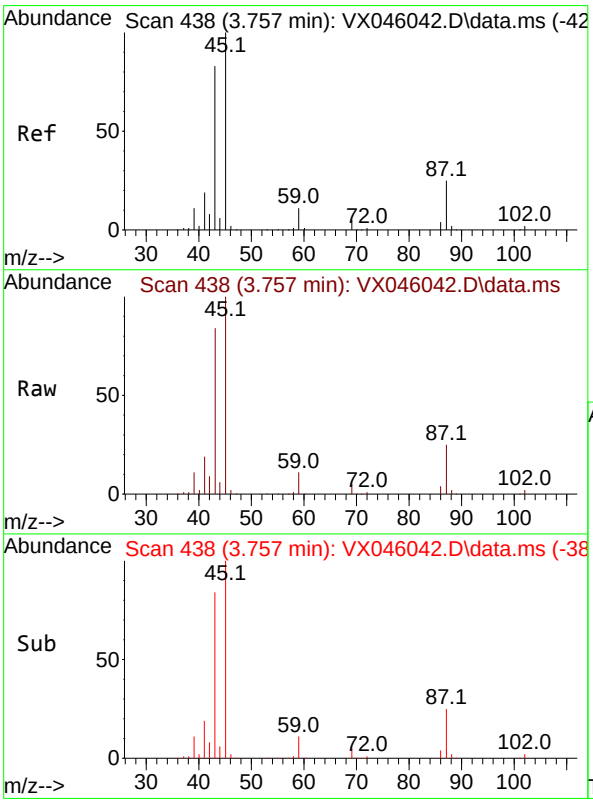
#21
trans-1,2-Dichloroethene
Concen: 35.421 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 59234

Ion	Ratio	Lower	Upper
96	100		
61	149.4	119.5	179.3
98	62.5	50.0	75.0

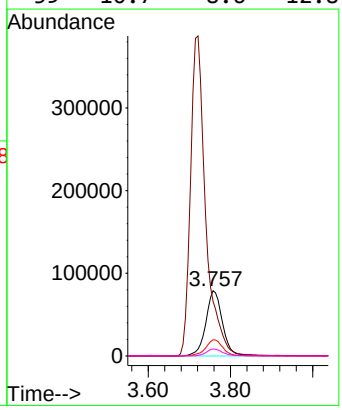


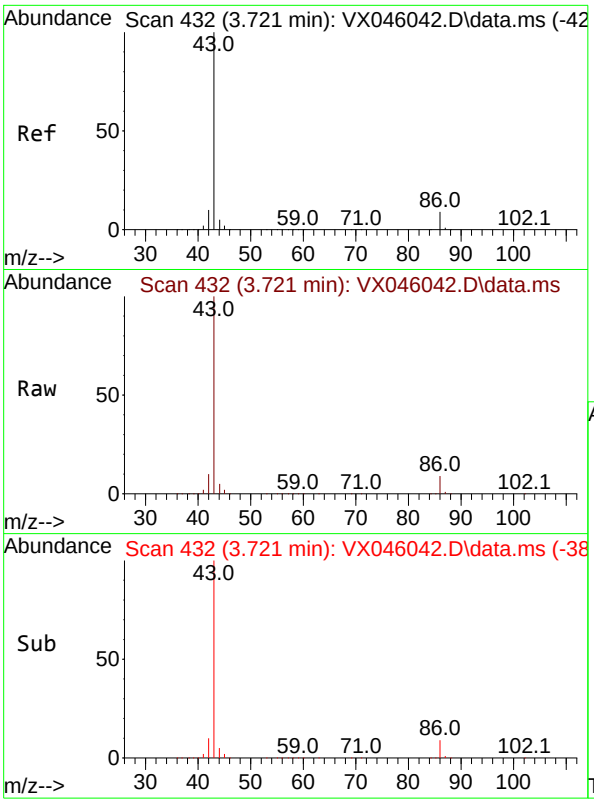


#22
Diisopropyl ether
Concen: 38.241 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 45 Resp: 221172

Ion	Ratio	Lower	Upper
45	100		
43	83.3	66.6	100.0
87	24.7	19.8	29.6
59	10.7	8.6	12.8



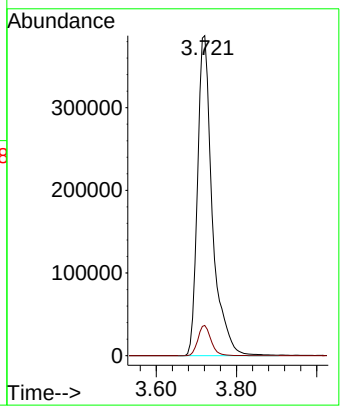


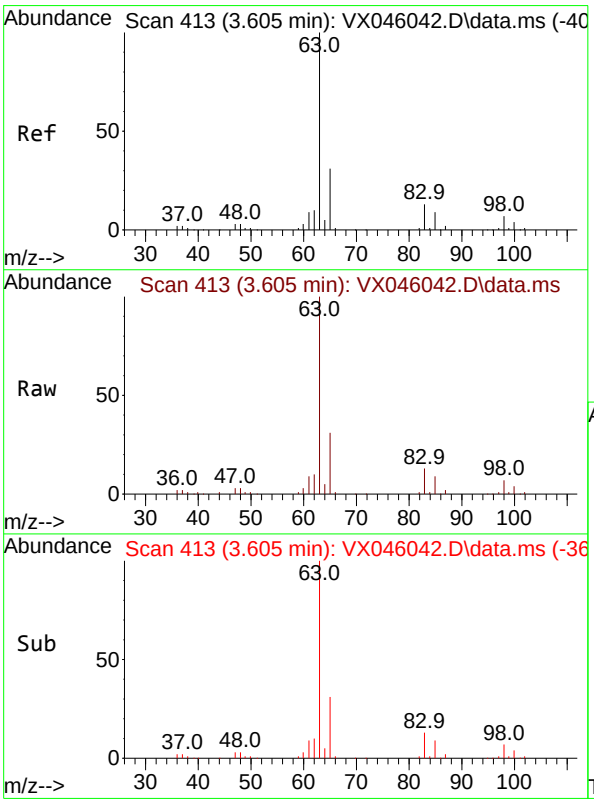
#23
Vinyl Acetate
Concen: 194.528 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 994236

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

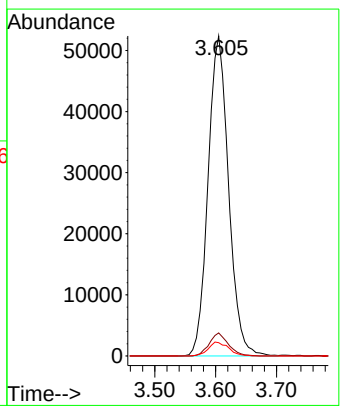


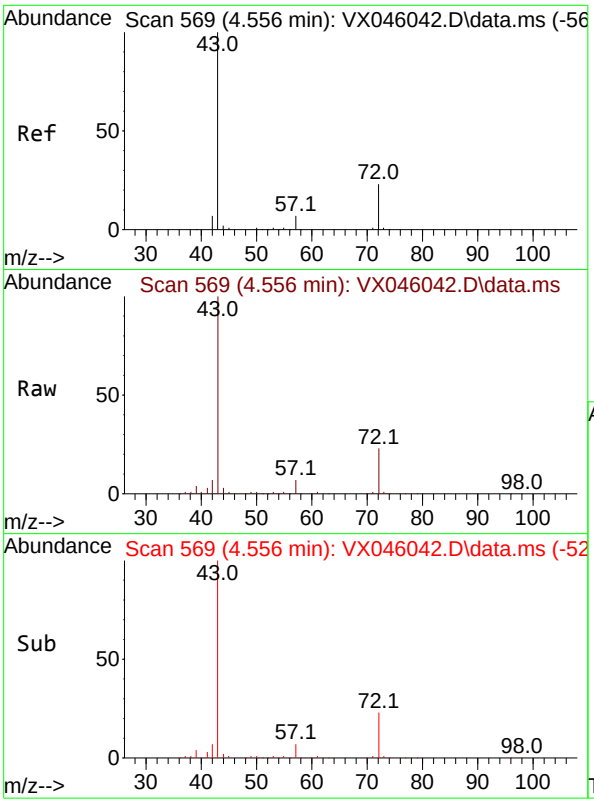


#24
1,1-Dichloroethane
Concen: 36.067 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 63 Resp: 122601

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.8
100	4.2	2.1	6.3



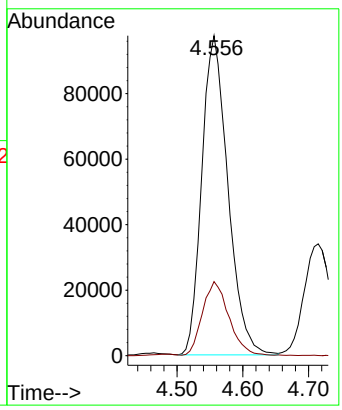


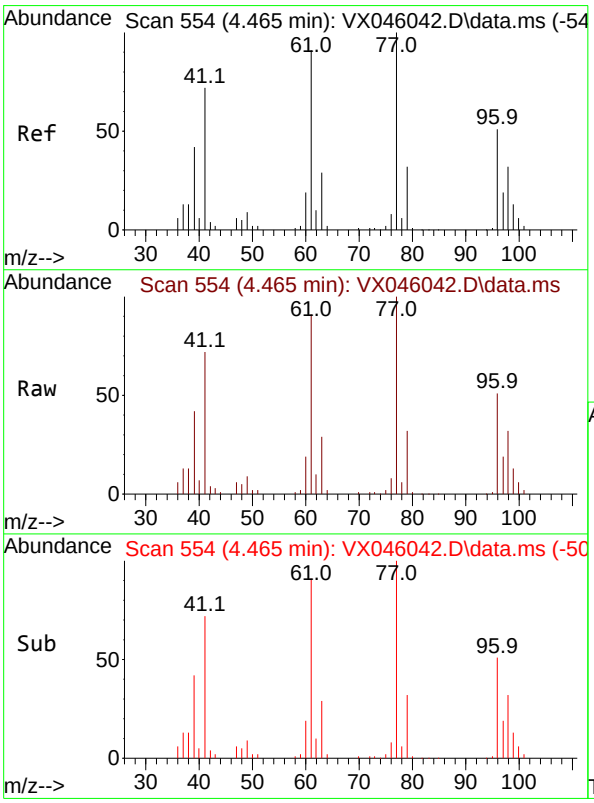
#25
2-Butanone
Concen: 188.783 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 269224

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.4	27.6

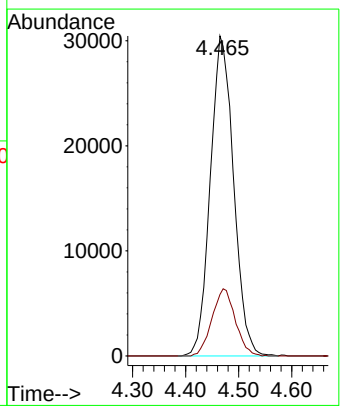


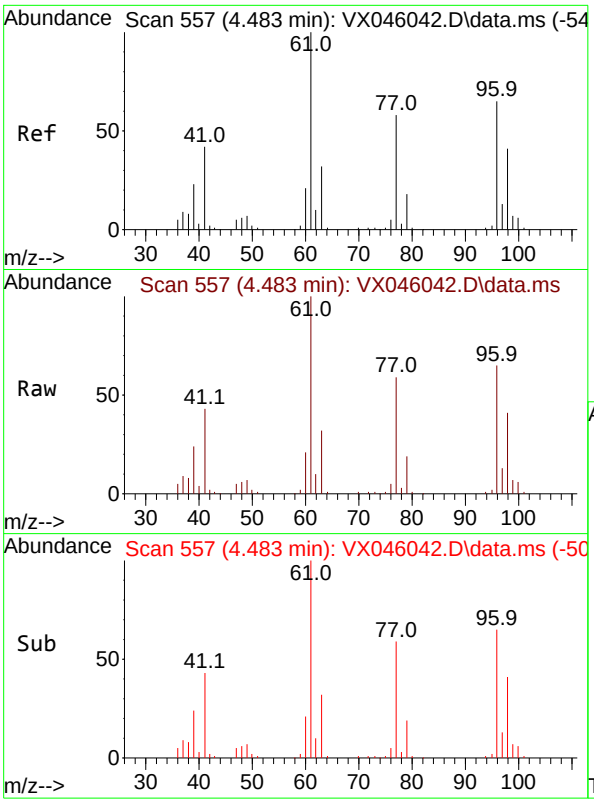


#26
2,2-Dichloropropane
Concen: 36.059 ug/l
RT: 4.465 min Scan# 554
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 77 Resp: 92857

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.5	31.5



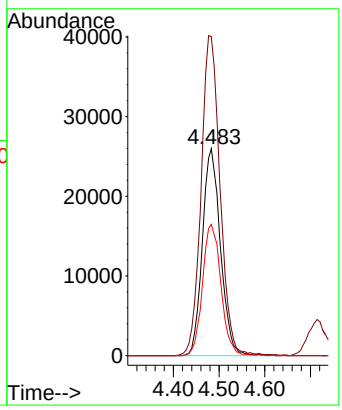


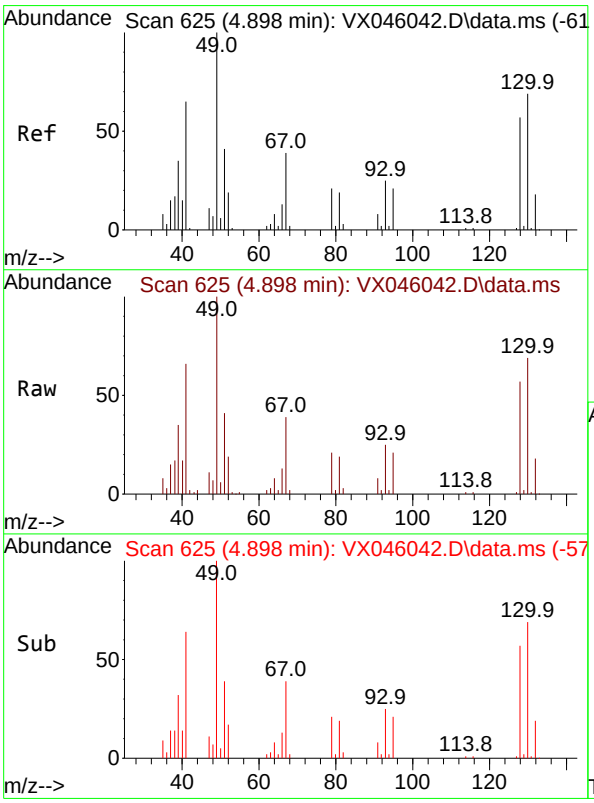
#27
cis-1,2-Dichloroethene
Concen: 35.466 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 71518

Ion	Ratio	Lower	Upper
96	100		
61	161.4	0.0	322.8
98	64.5	0.0	129.0

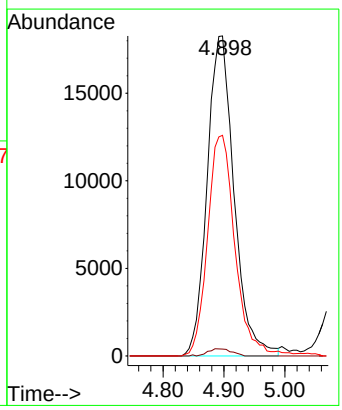


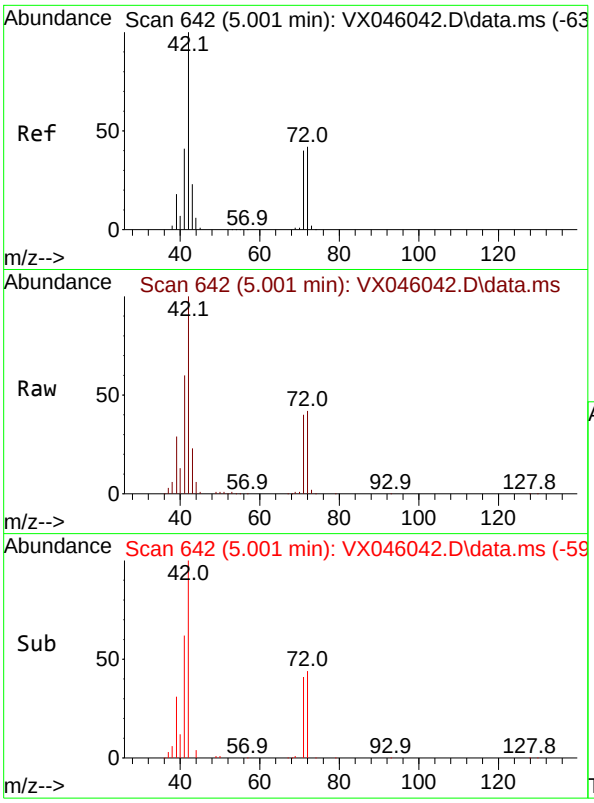


#28
Bromochloromethane
Concen: 31.031 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 49 Resp: 56091

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	70.2	56.2	84.2



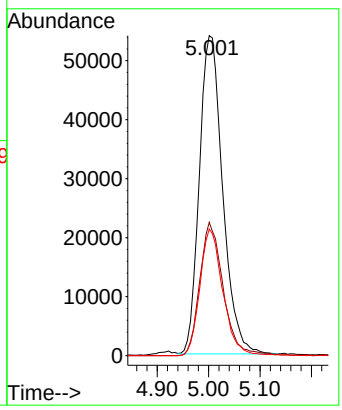


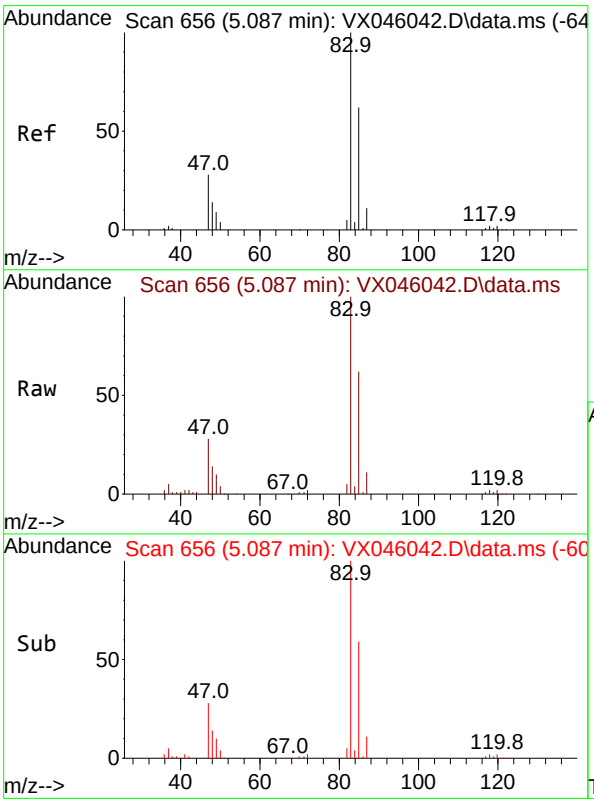
#29
Tetrahydrofuran
Concen: 183.679 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 170124

Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	39.3	31.4	47.2

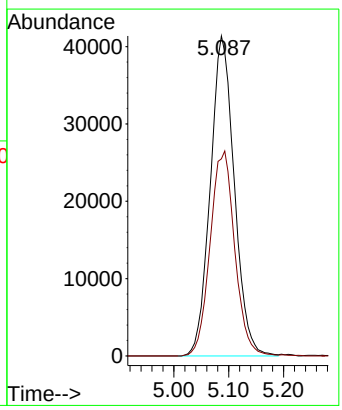


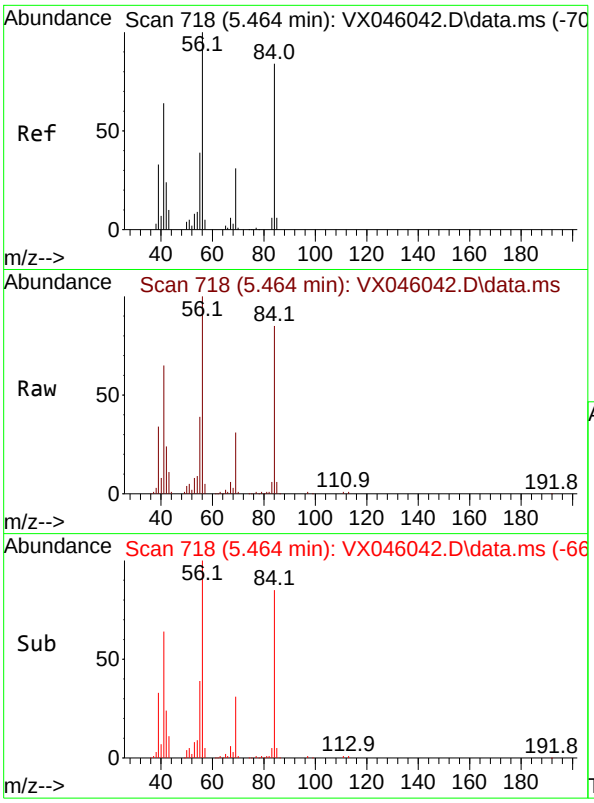


#30
Chloroform
Concen: 35.626 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 83 Resp: 125850

Ion	Ratio	Lower	Upper
83	100		
85	61.6	49.3	73.9



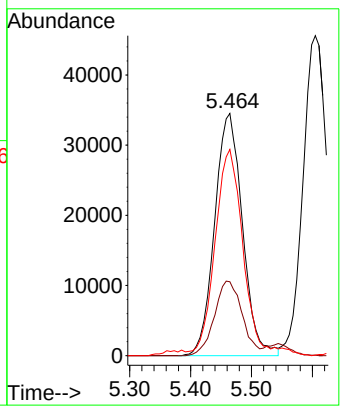


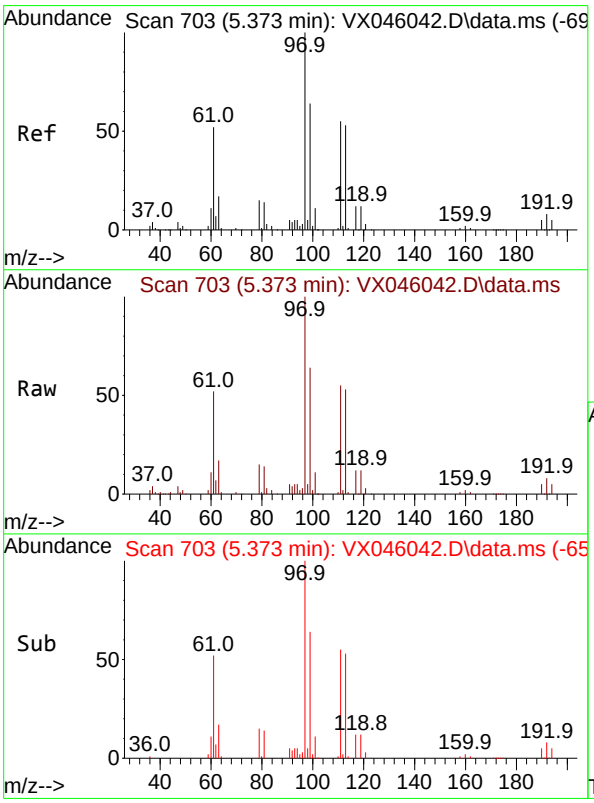
#31
Cyclohexane
Concen: 38.205 ug/l
RT: 5.464 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 109459

Ion	Ratio	Lower	Upper
56	100		
69	30.5	24.4	36.6
84	83.6	66.9	100.3

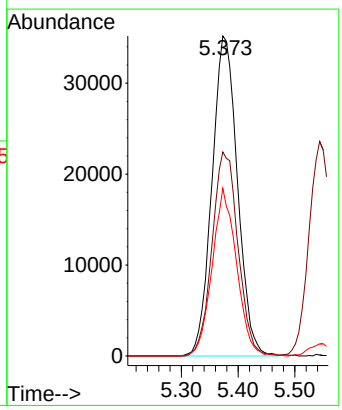


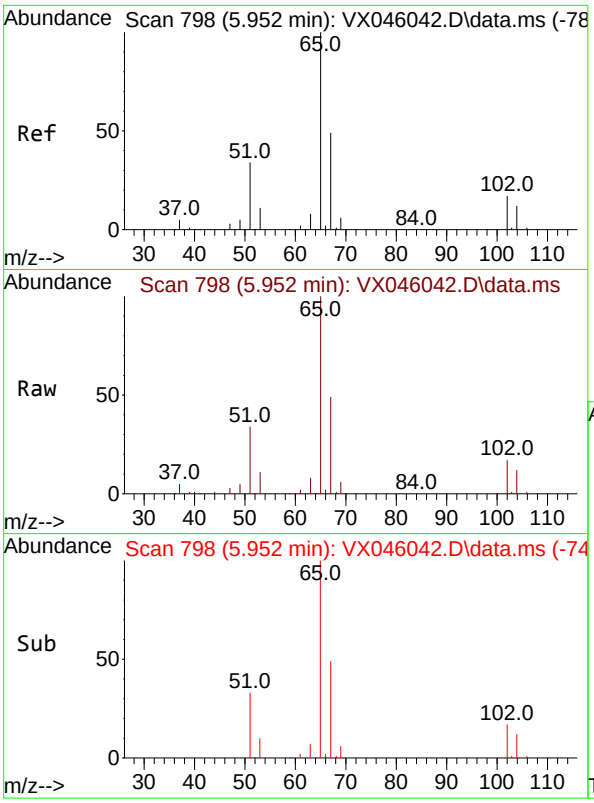


#32
1,1,1-Trichloroethane
Concen: 36.034 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 97 Resp: 109781

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	50.1	40.1	60.1



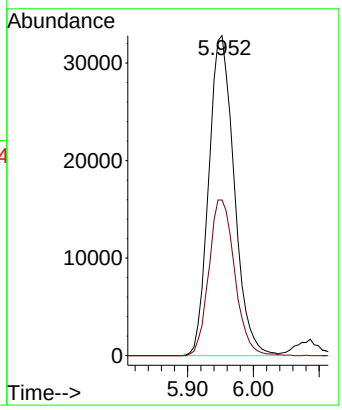


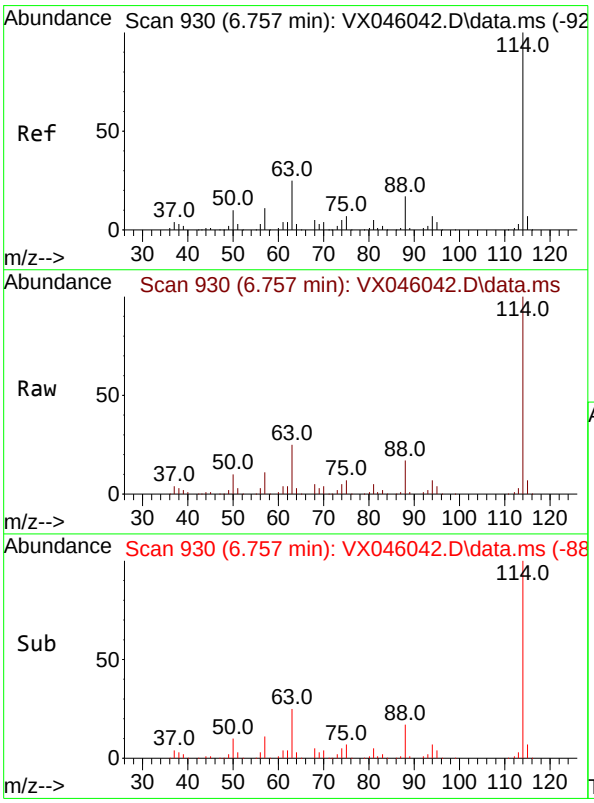
#33
1,2-Dichloroethane-d4
Concen: 30.601 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 88371

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0

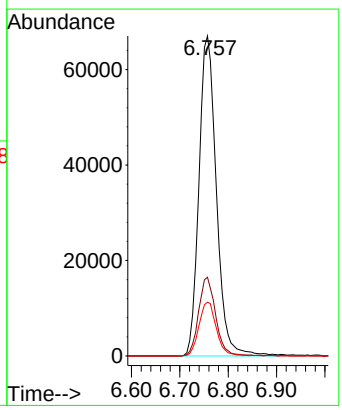


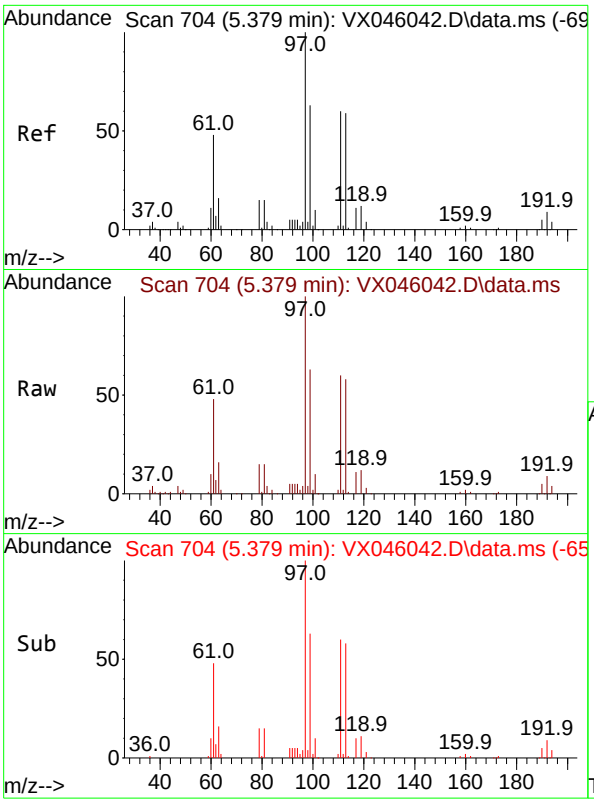


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:114 Resp: 167947

Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	49.2
88	16.8	0.0	33.6



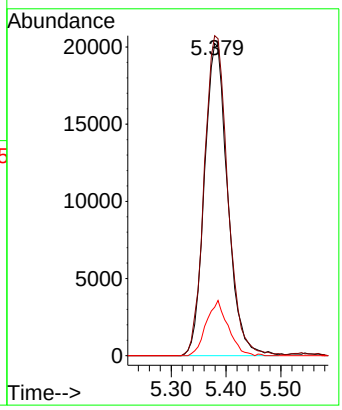


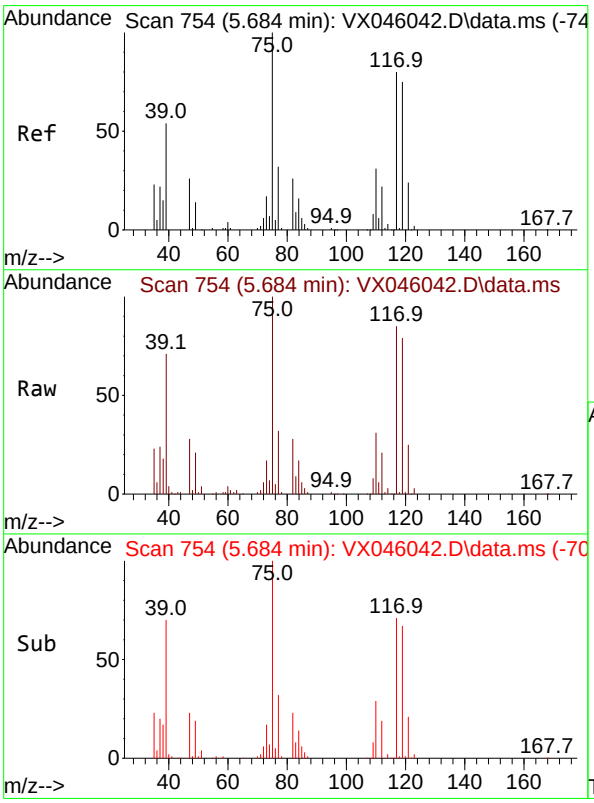
#35
Dibromofluoromethane
Concen: 31.633 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 59550

Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.1	124.7
192	16.6	13.3	19.9

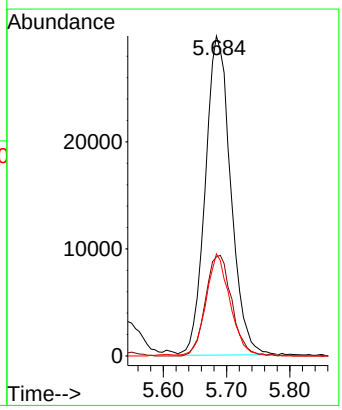


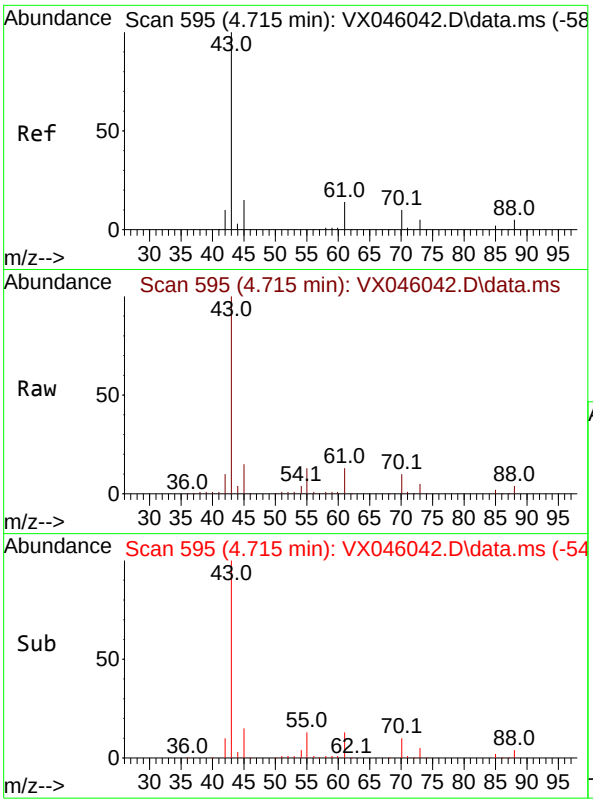


#36
1,1-Dichloropropene
Concen: 38.073 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 83215

Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.3	48.9
77	30.4	24.3	36.5



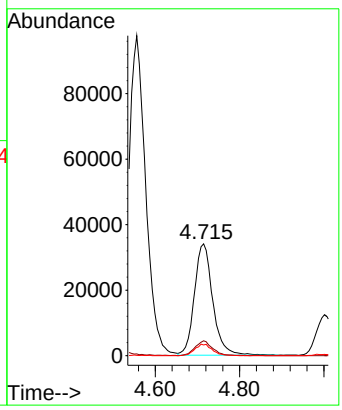


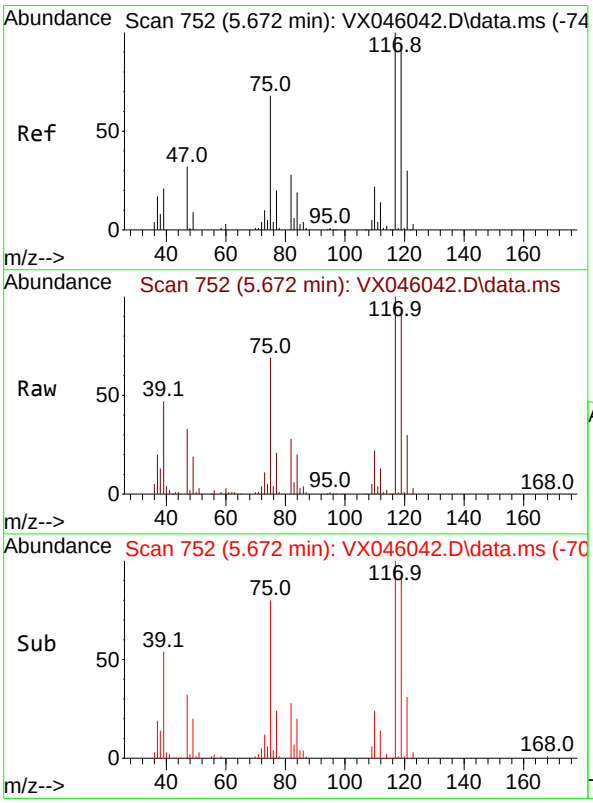
#37
Ethyl Acetate
Concen: 37.394 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 102537

Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.3	15.5
70	9.9	7.9	11.9

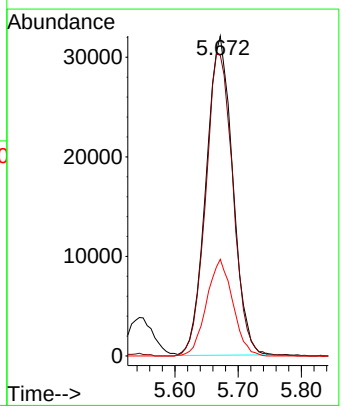


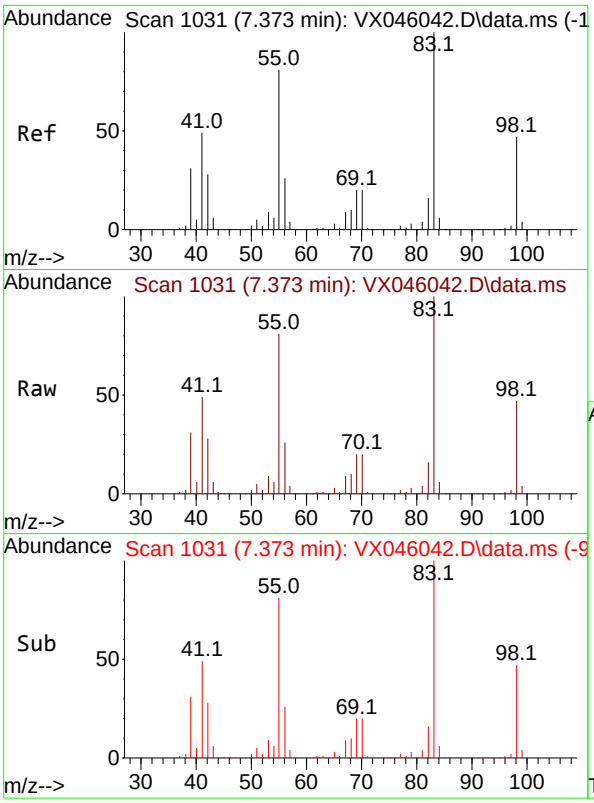


#38
Carbon Tetrachloride
Concen: 37.320 ug/l
RT: 5.672 min Scan# 752
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 93712

Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.2	112.8
121	30.3	24.2	36.4



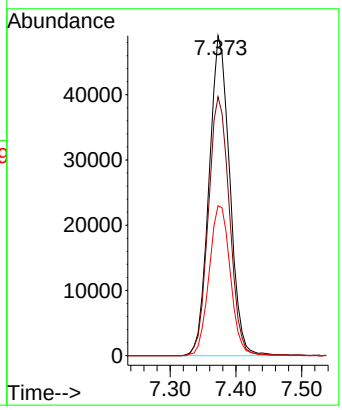


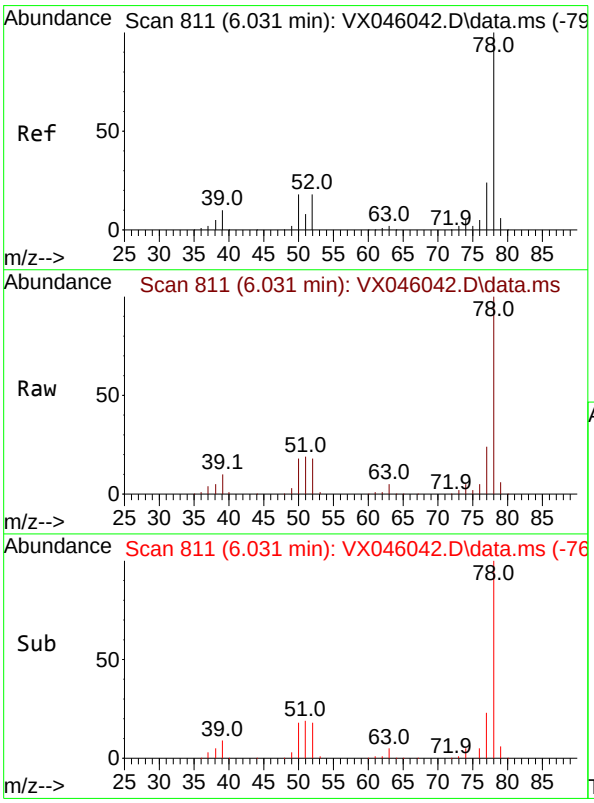
#39
Methylcyclohexane
Concen: 39.307 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 107651

Ion	Ratio	Lower	Upper
83	100		
55	80.9	64.7	97.1
98	46.8	37.4	56.2

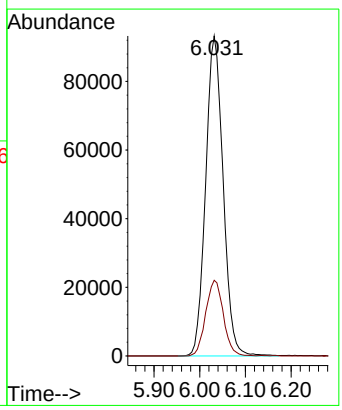


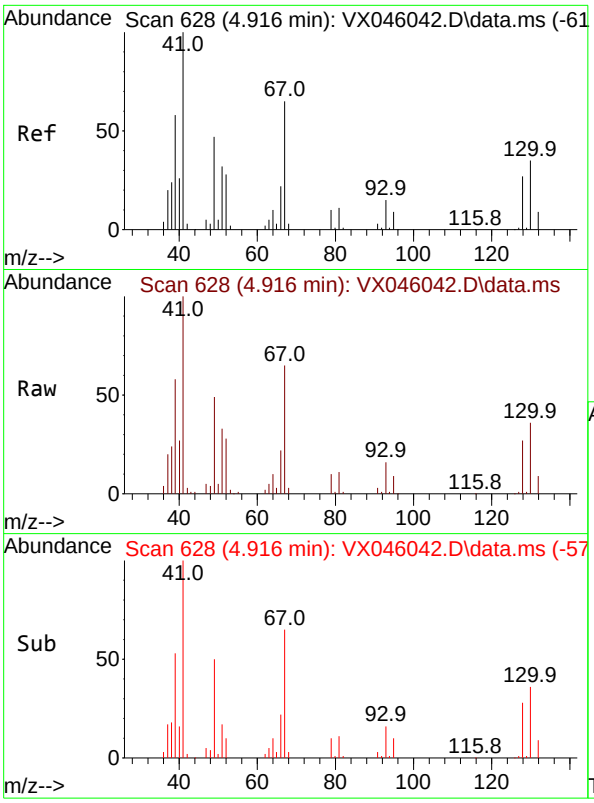


#40
Benzene
Concen: 36.530 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 78 Resp: 247476

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4



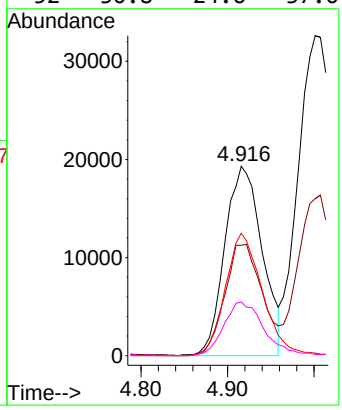


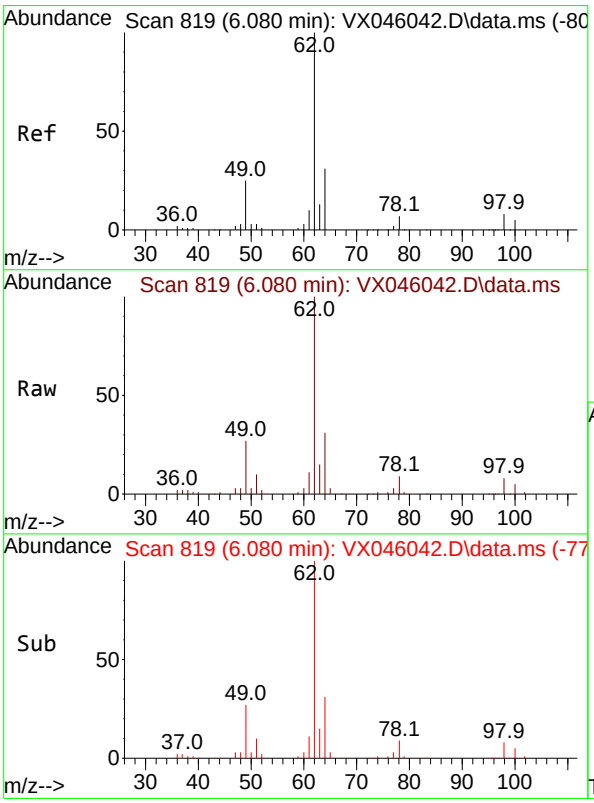
#41
Methacrylonitrile
Concen: 38.123 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 58082

Ion	Ratio	Lower	Upper
41	100		
39	59.0	47.2	70.8
67	63.4	50.7	76.1
52	30.8	24.6	37.0

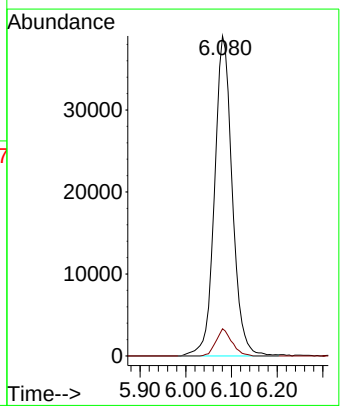


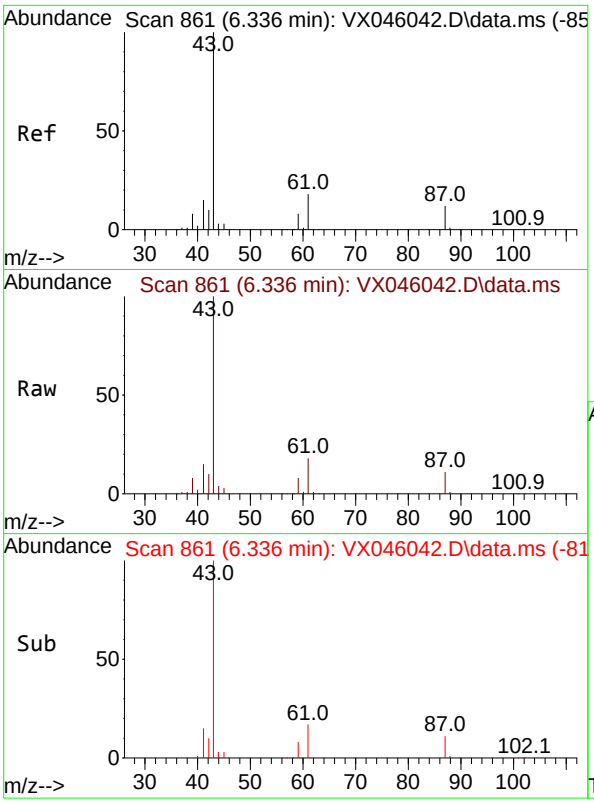


#42
1,2-Dichloroethane
Concen: 37.605 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 62 Resp: 105332

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2



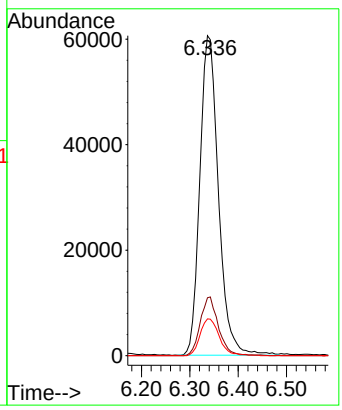


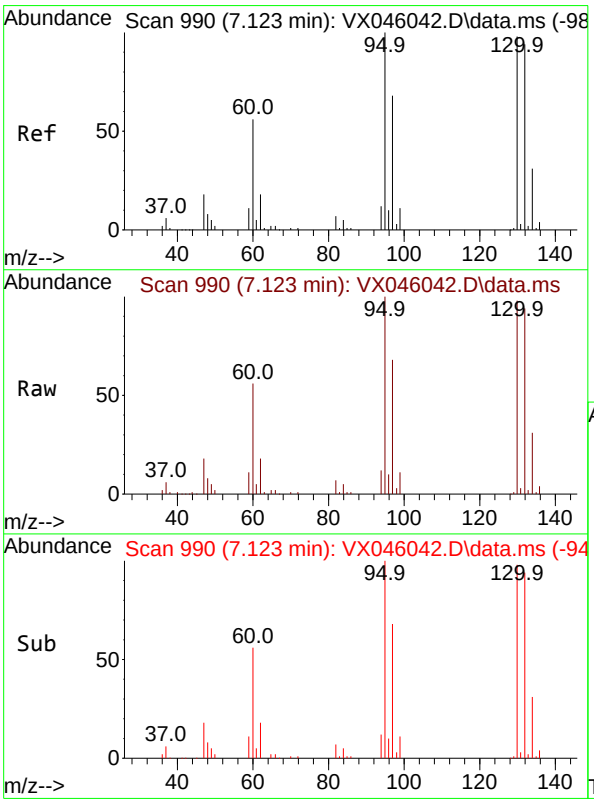
#43
Isopropyl Acetate
Concen: 38.598 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 161787

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.3	21.5
87	11.9	9.5	14.3

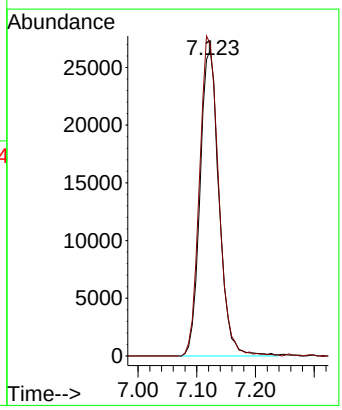


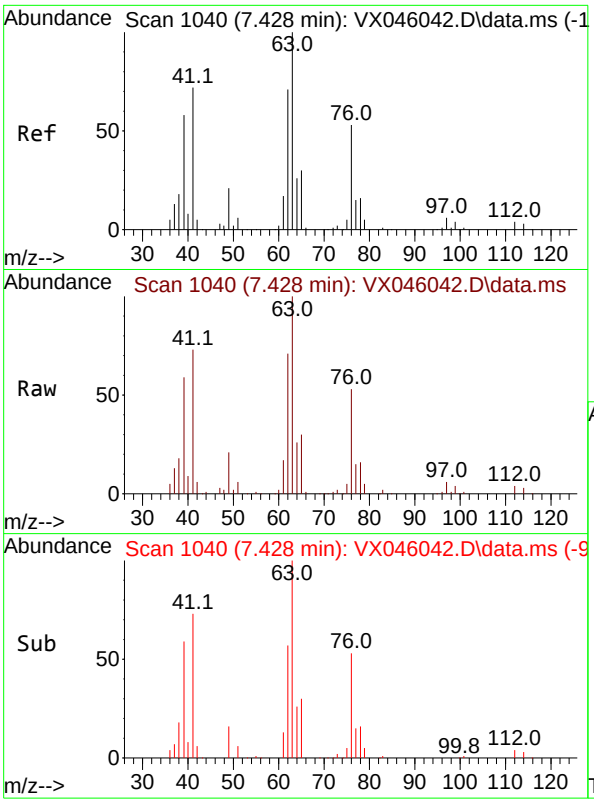


#44
Trichloroethene
Concen: 37.230 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:130 Resp: 59623

Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	204.2



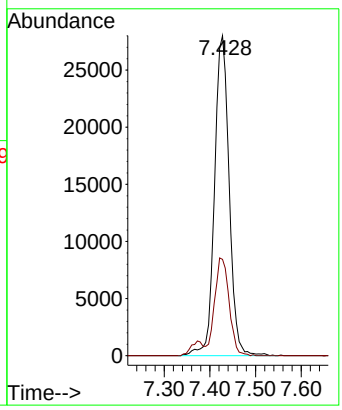


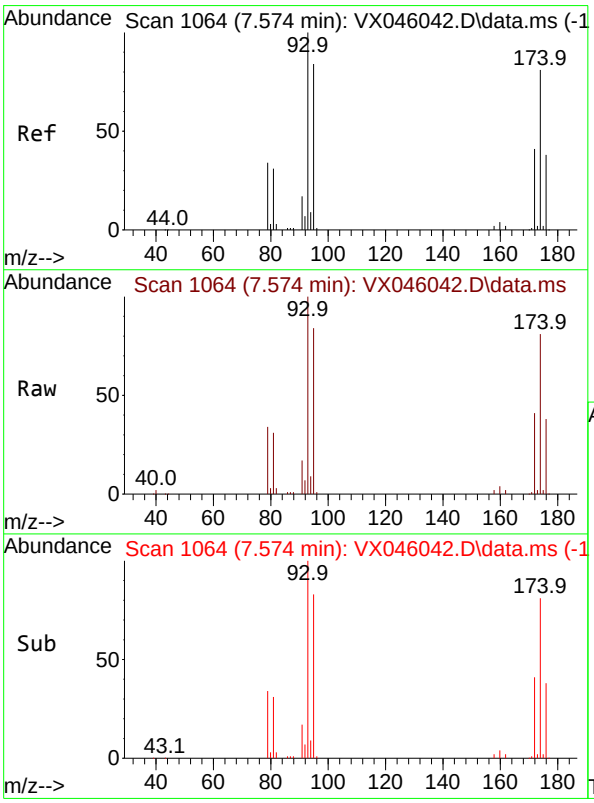
#45
1,2-Dichloropropane
Concen: 37.064 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 62387

Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.1	36.1

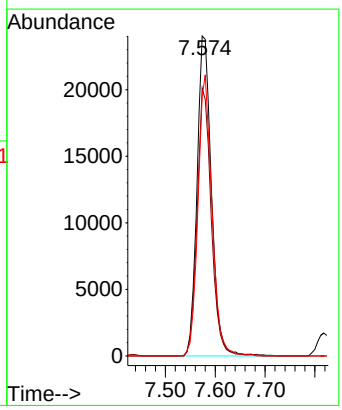


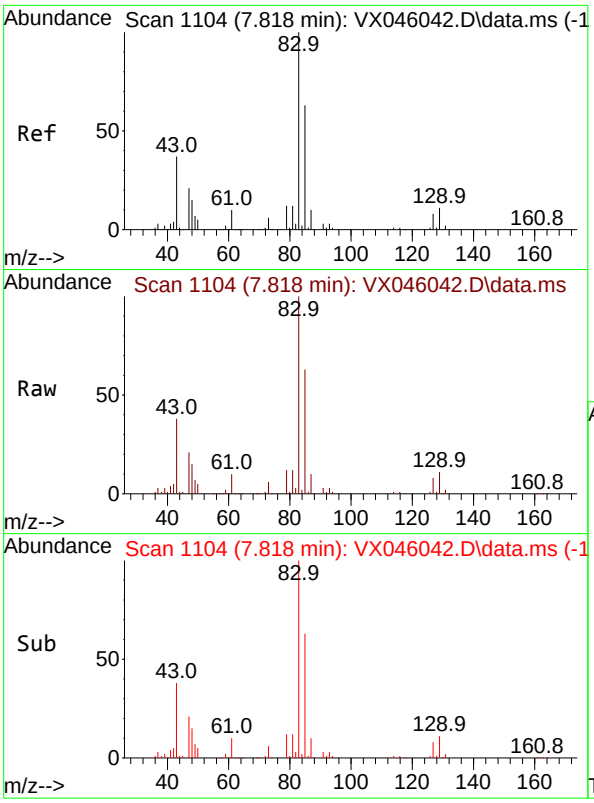


#46
Dibromomethane
Concen: 36.326 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 93 Resp: 48201

Ion	Ratio	Lower	Upper
93	100		
95	82.0	65.6	98.4
174	85.2	68.2	102.2



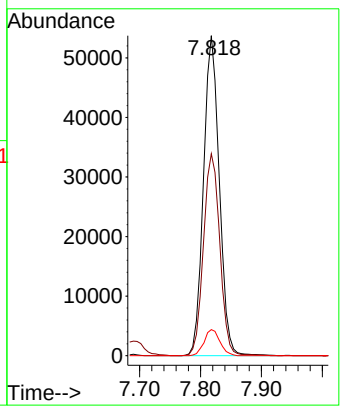


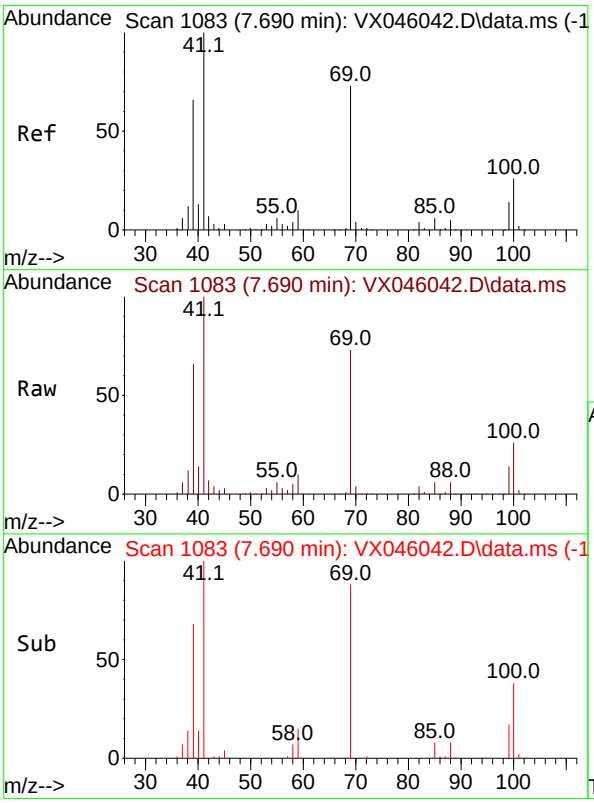
#47
Bromodichloromethane
Concen: 37.685 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 96916

Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	8.1	6.5	9.7

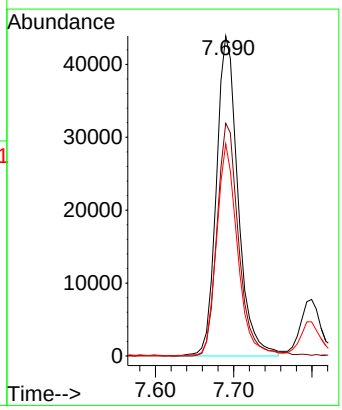


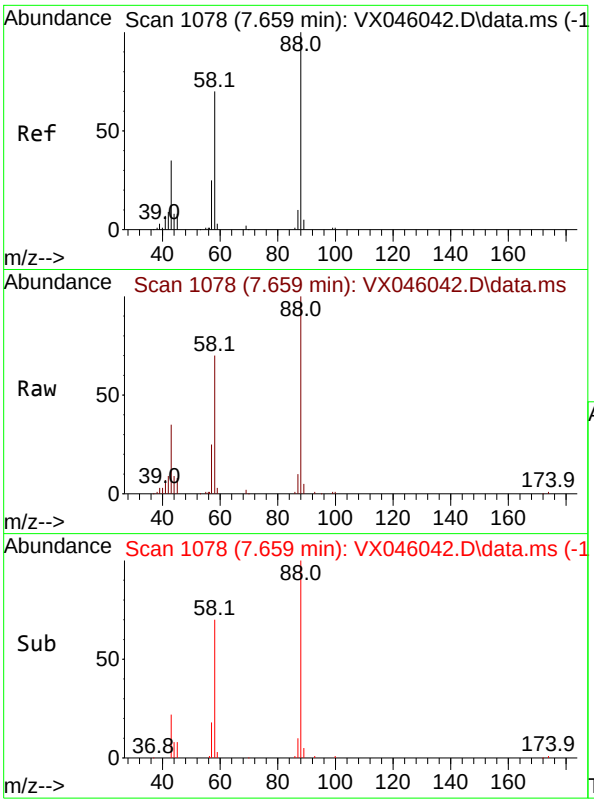


#48
Methyl methacrylate
Concen: 39.157 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 41 Resp: 84277

Ion	Ratio	Lower	Upper
41	100		
69	73.1	58.5	87.7
39	64.6	51.7	77.5



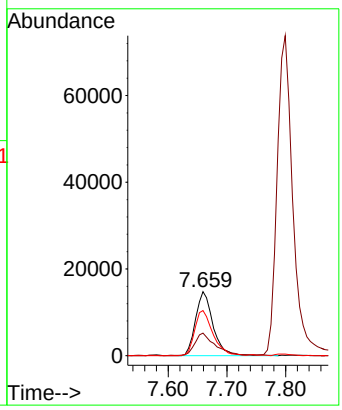


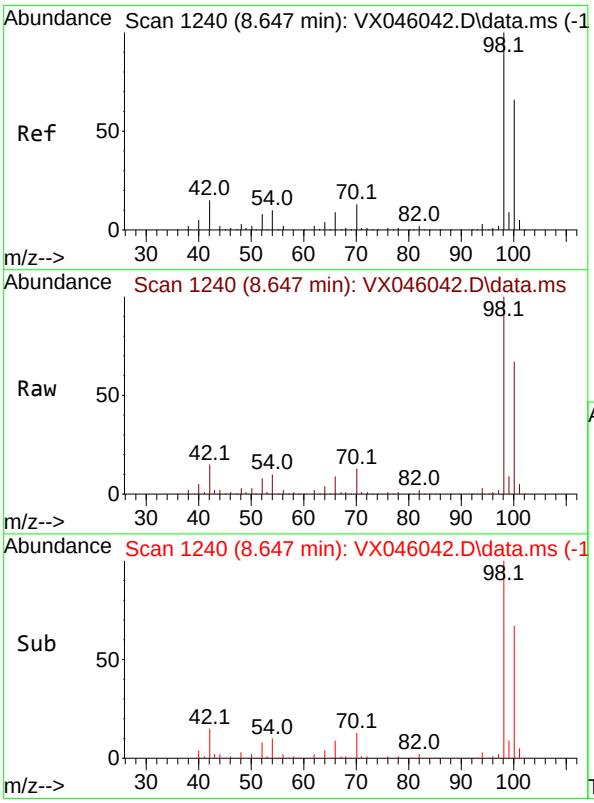
#49
1,4-Dioxane
Concen: 713.477 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 30529

Ion	Ratio	Lower	Upper
88	100		
43	41.8	33.4	50.2
58	73.3	58.6	88.0

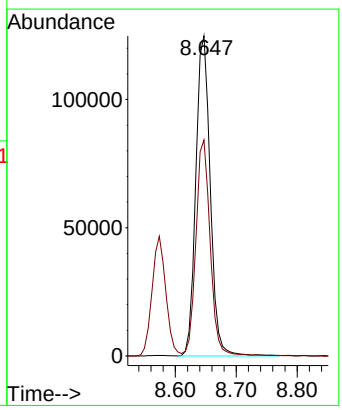


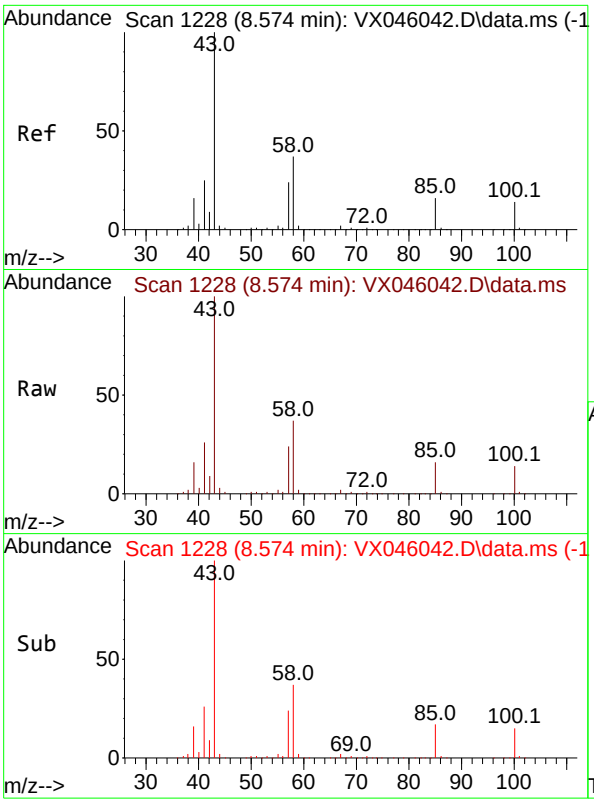


#50
Toluene-d8
Concen: 32.395 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 98 Resp: 205479

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.5	80.3



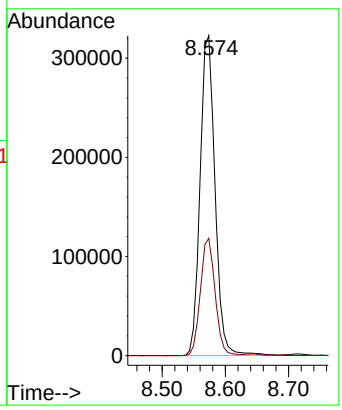


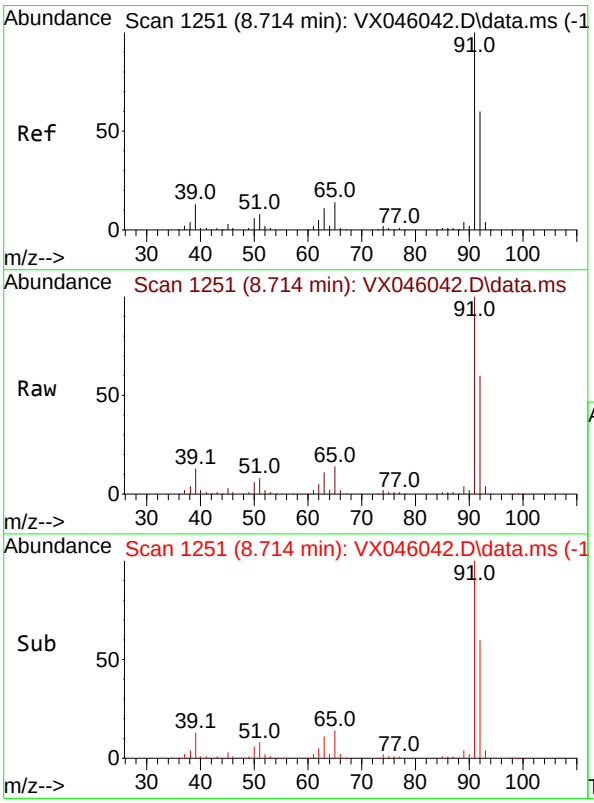
#51
4-Methyl-2-Pentanone
Concen: 193.653 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 532388

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3

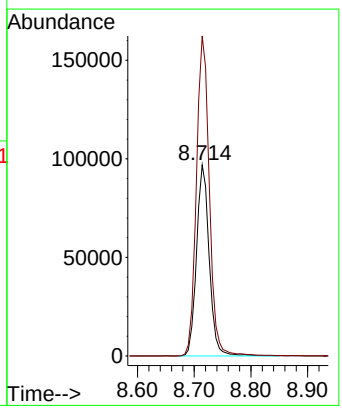


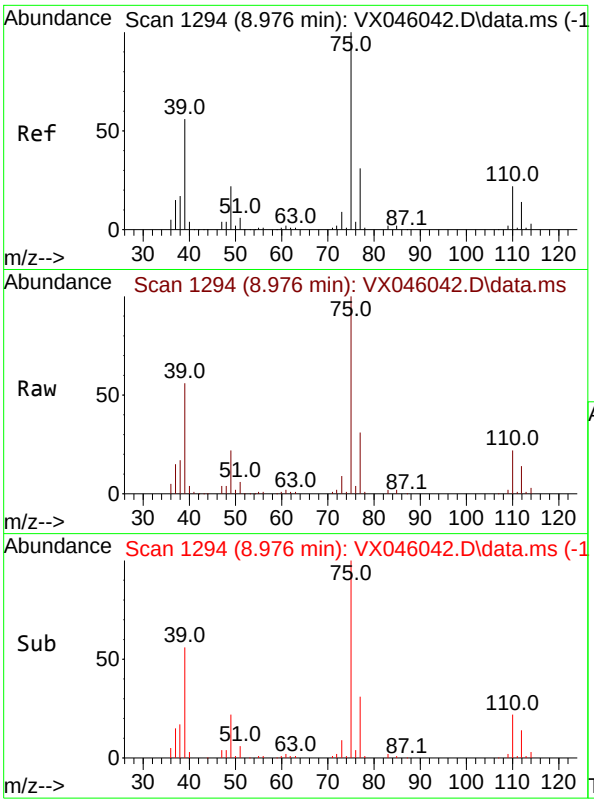


#52
Toluene
Concen: 37.530 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 92 Resp: 150757

Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.6	205.0



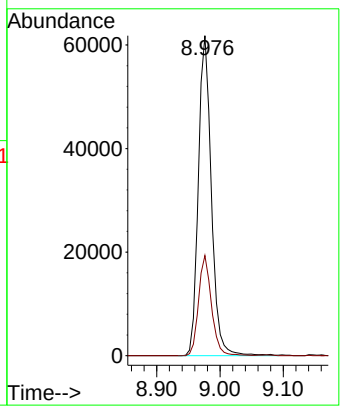


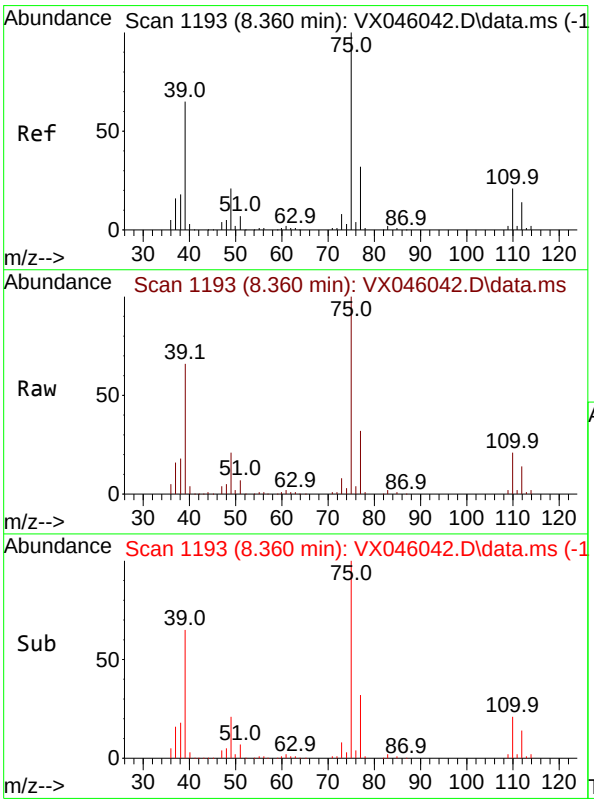
#53
t-1,3-Dichloropropene
Concen: 41.056 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 88655

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6

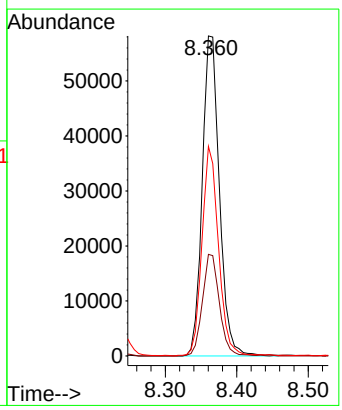


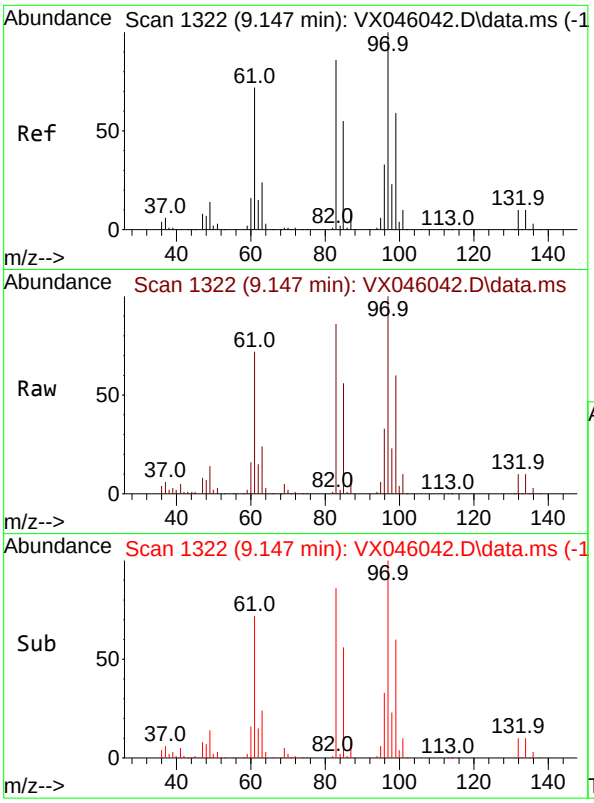


#54
cis-1,3-Dichloropropene
Concen: 38.521 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 97031

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	65.3	52.2	78.4



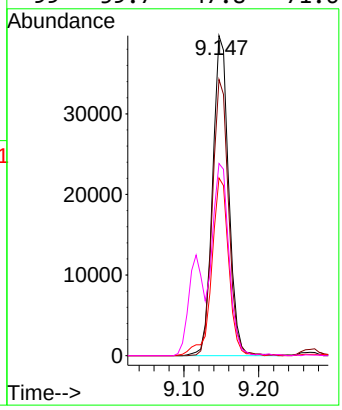


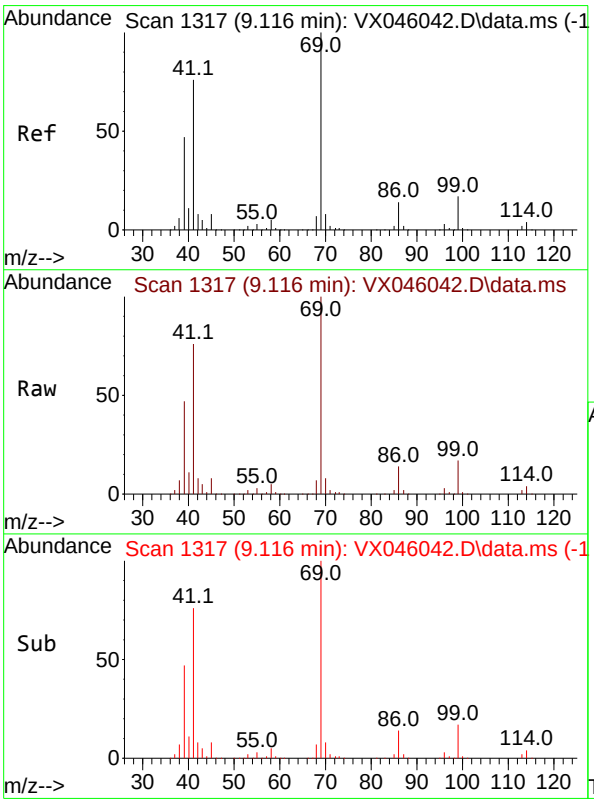
#55
1,1,2-Trichloroethane
Concen: 36.648 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 59499

Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.0	103.6
85	55.4	44.3	66.5
99	59.7	47.8	71.6

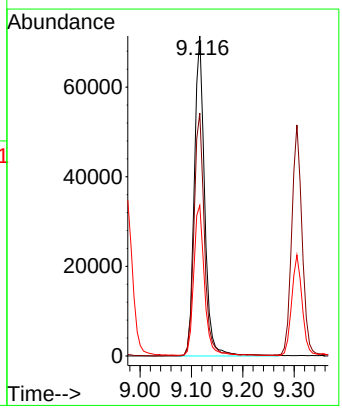


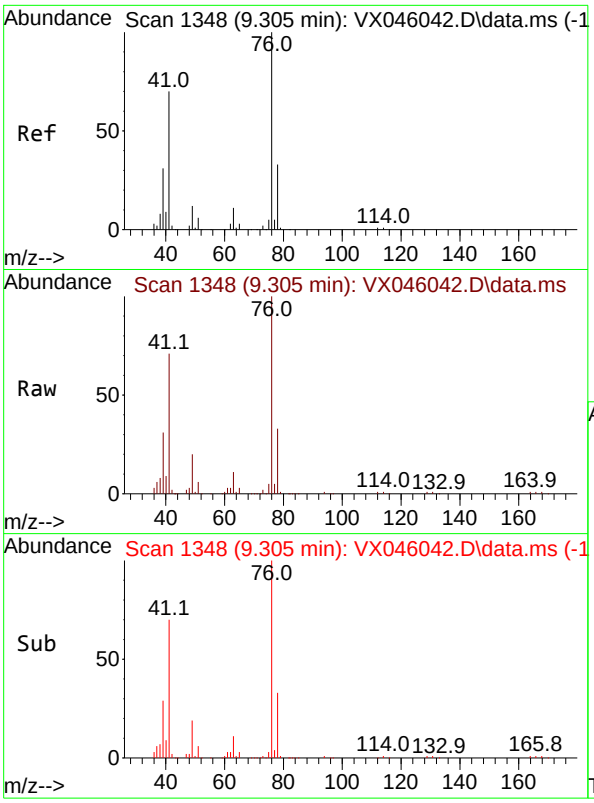


#56
Ethyl methacrylate
Concen: 39.726 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 69 Resp: 99947

Ion	Ratio	Lower	Upper
69	100		
41	76.0	60.8	91.2
39	48.8	39.0	58.6



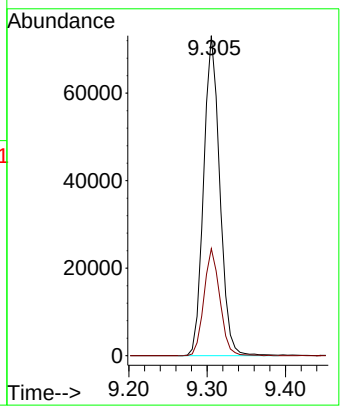


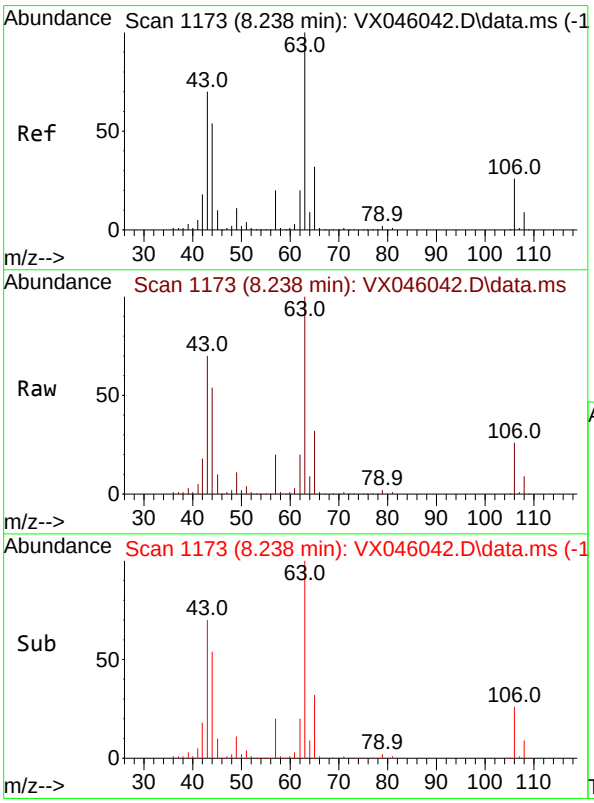
#57
1,3-Dichloropropane
Concen: 36.347 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 104606

Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.3	39.5

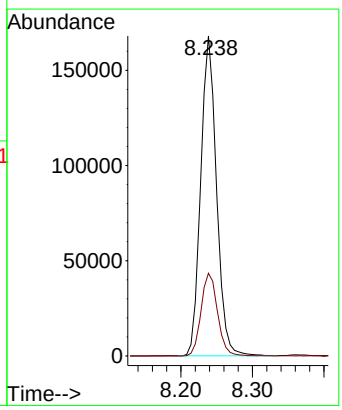


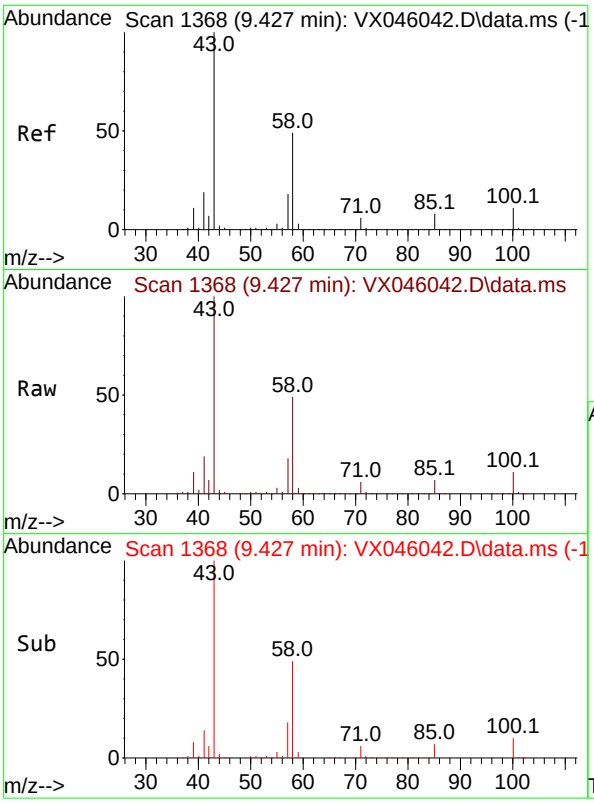


#58
2-Chloroethyl Vinyl ether
Concen: 227.902 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 63 Resp: 257678

Ion	Ratio	Lower	Upper
63	100		
106	26.9	21.5	32.3



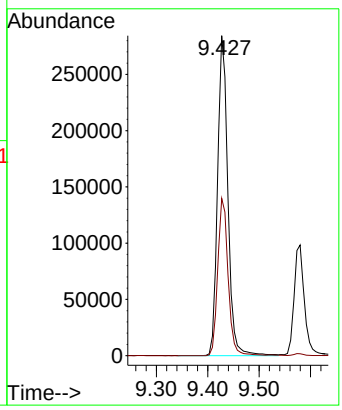


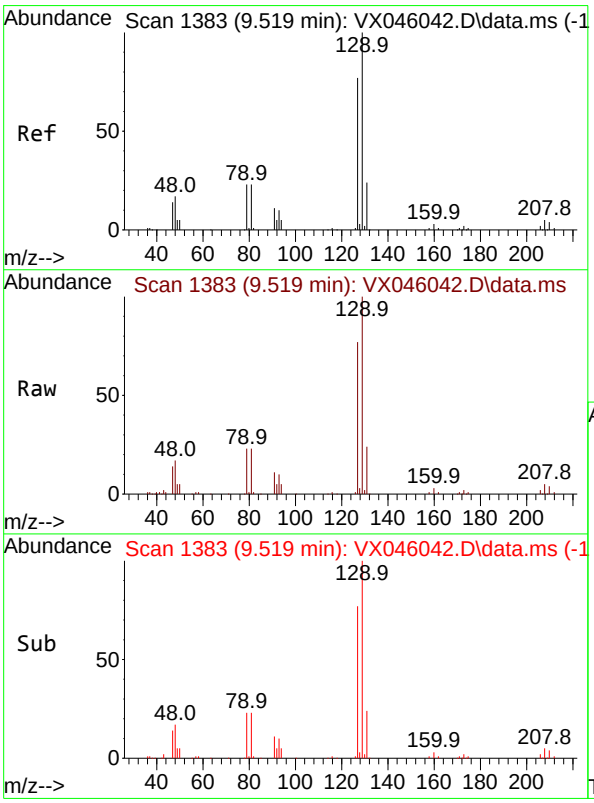
#59
2-Hexanone
Concen: 190.168 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 396784

Ion	Ratio	Lower	Upper
43	100		
58	49.7	24.9	74.6

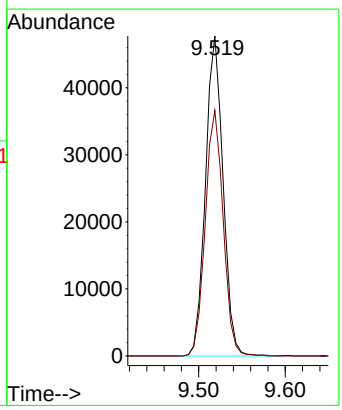


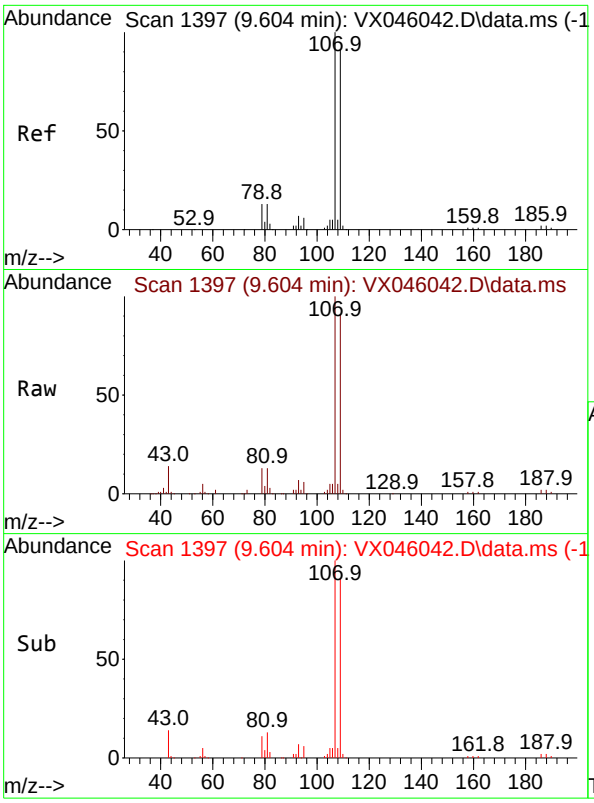


#60
Dibromochloromethane
Concen: 38.027 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:129 Resp: 67198

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.8



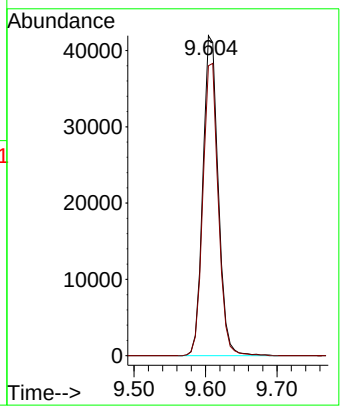


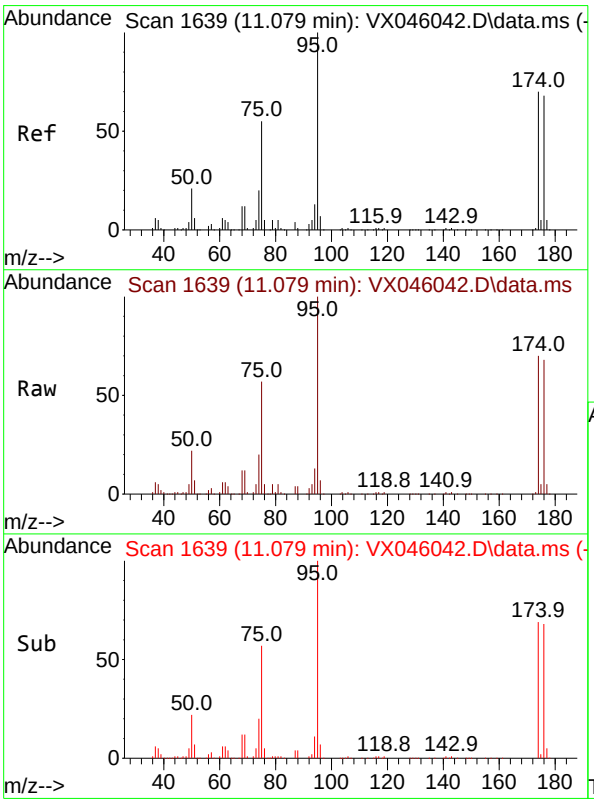
#61
1,2-Dibromoethane
Concen: 37.567 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 62633

Ion	Ratio	Lower	Upper
107	100		
109	91.6	73.3	109.9

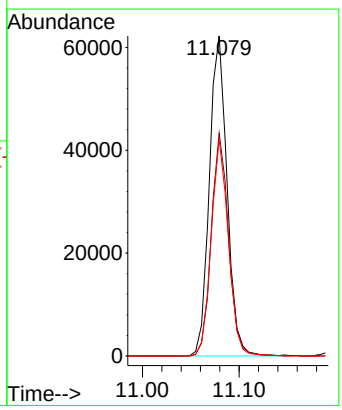


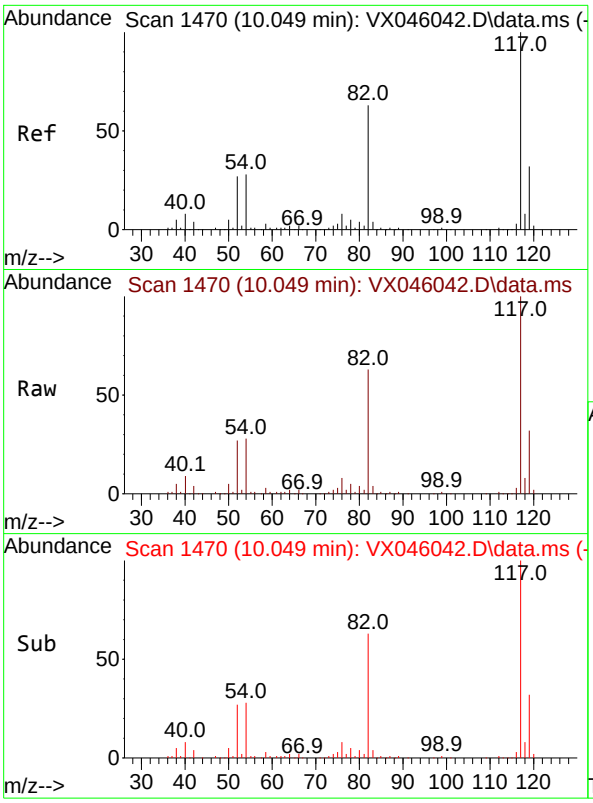


#62
4-Bromofluorobenzene
Concen: 34.229 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 95 Resp: 79012

Ion	Ratio	Lower	Upper
95	100		
174	67.9	0.0	135.8
176	65.7	0.0	131.4



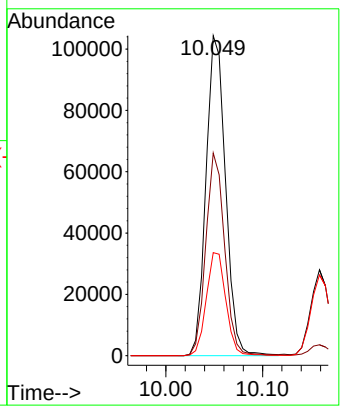


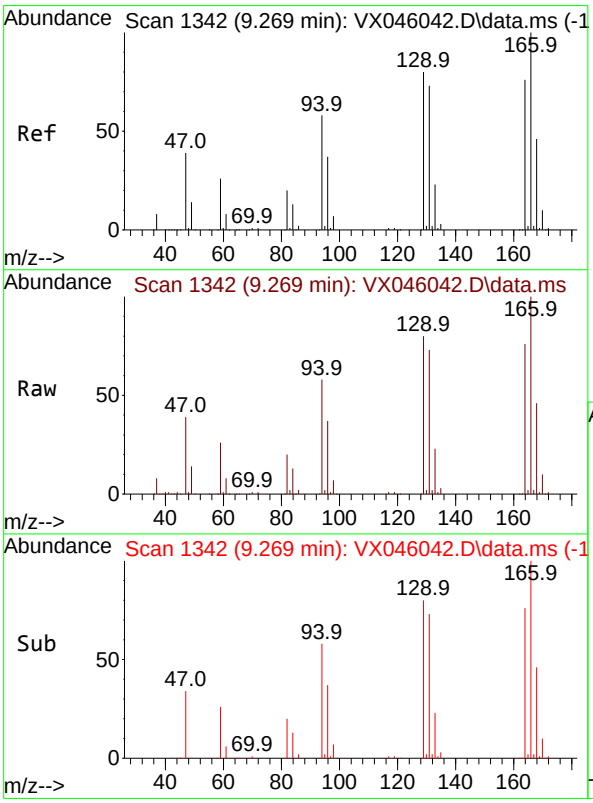
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 146257

Ion	Ratio	Lower	Upper
117	100		
82	63.3	50.6	76.0
119	32.2	25.8	38.6

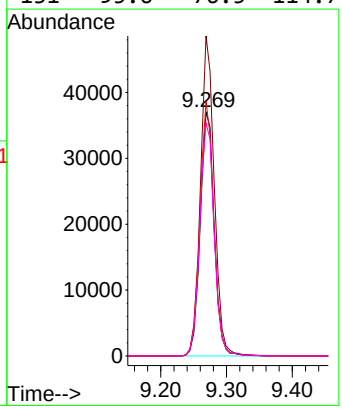


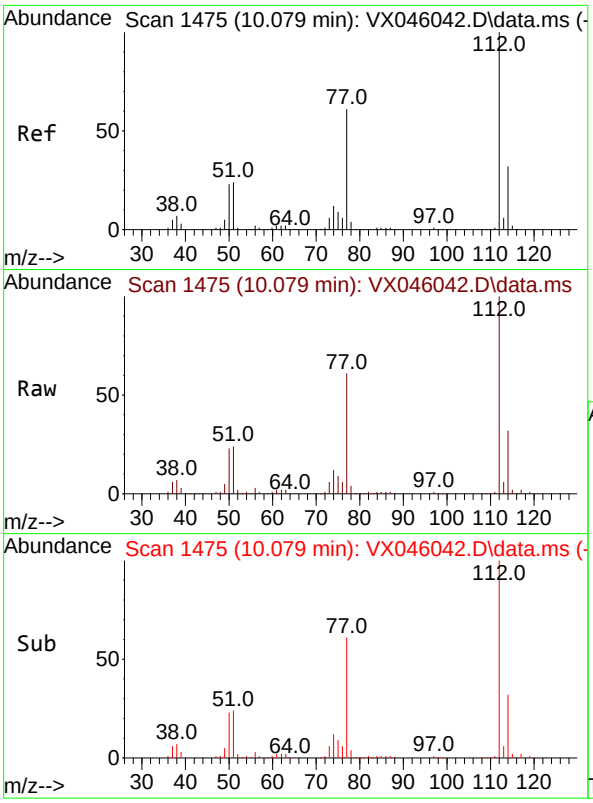


#64
Tetrachloroethene
Concen: 36.726 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:164 Resp: 54853

Ion	Ratio	Lower	Upper
164	100		
166	131.3	105.0	157.6
129	104.4	83.5	125.3
131	95.6	76.5	114.7



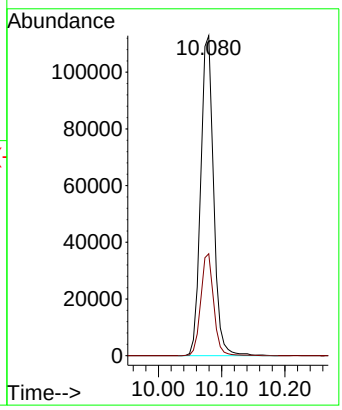


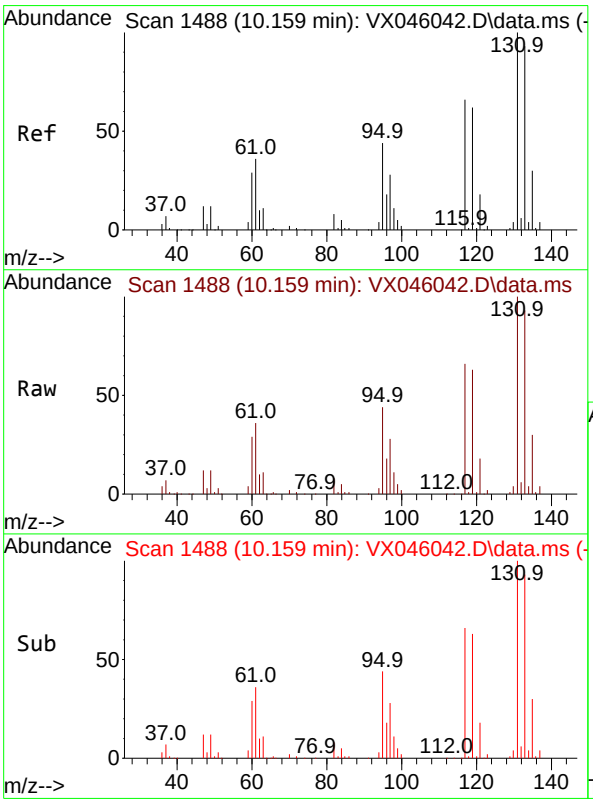
#65
Chlorobenzene
Concen: 35.686 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 160600

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.2

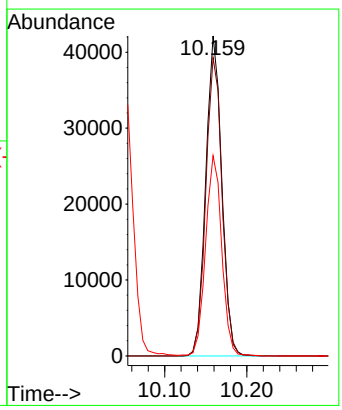


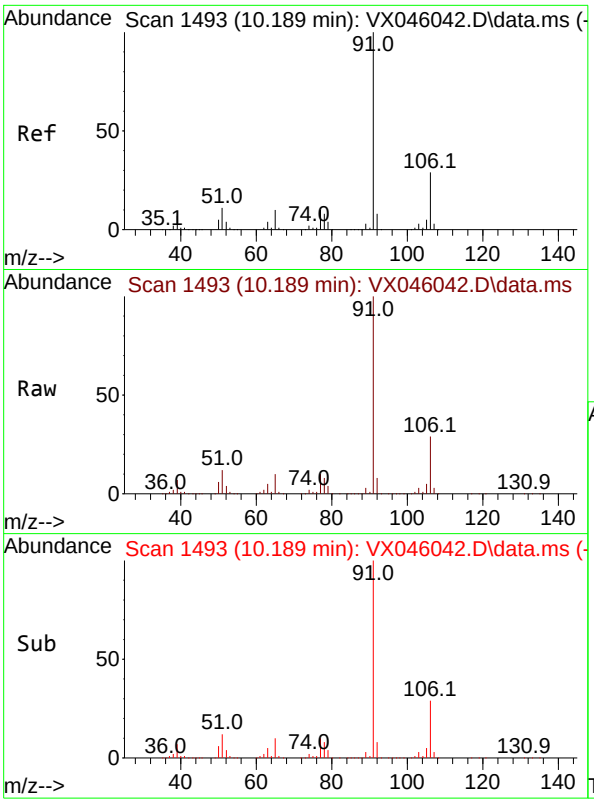


#66
1,1,1,2-Tetrachloroethane
Concen: 38.017 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:131 Resp: 57066

Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.9
119	63.3	31.6	95.0



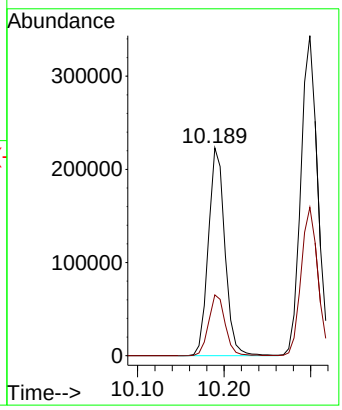


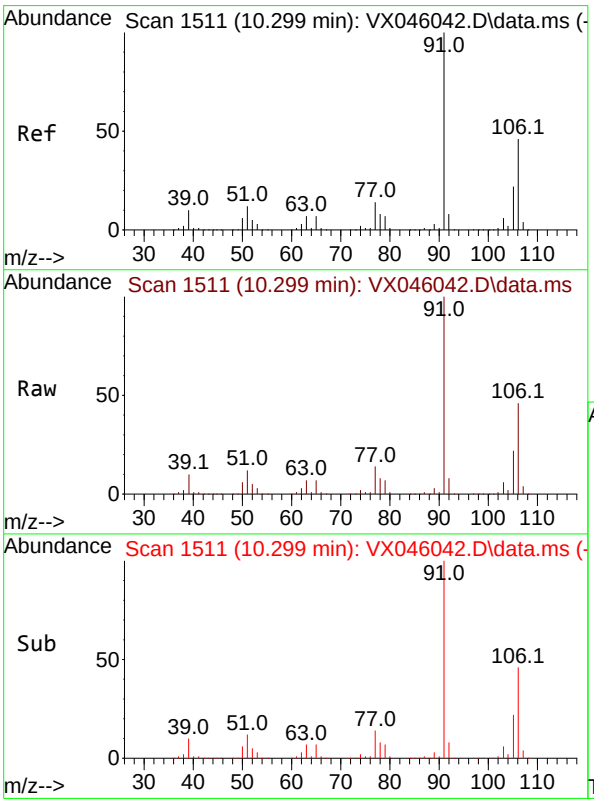
#67
Ethyl Benzene
Concen: 38.543 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 295712

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2

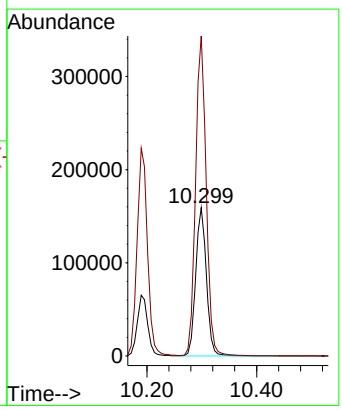


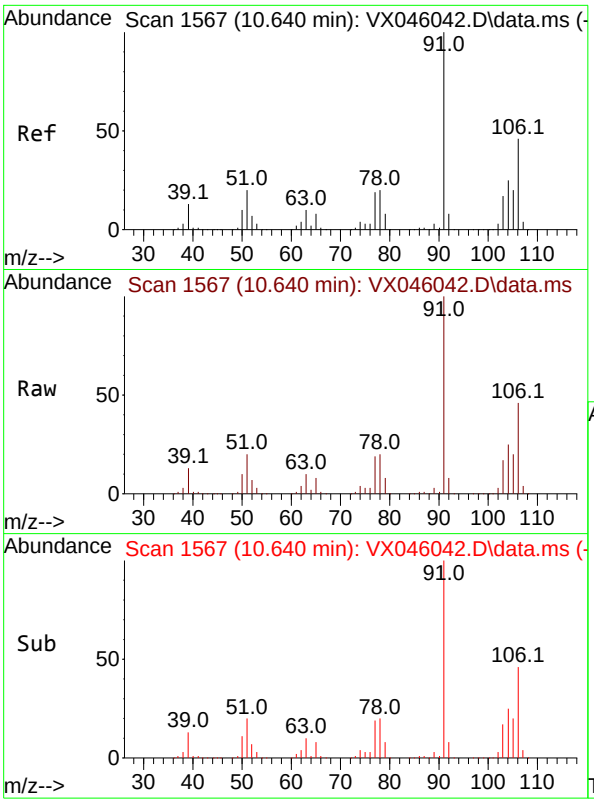


#68
m/p-Xylenes
Concen: 78.142 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:106 Resp: 216578

Ion	Ratio	Lower	Upper
106	100		
91	214.0	171.2	256.8



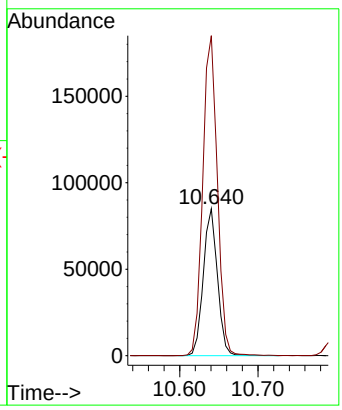


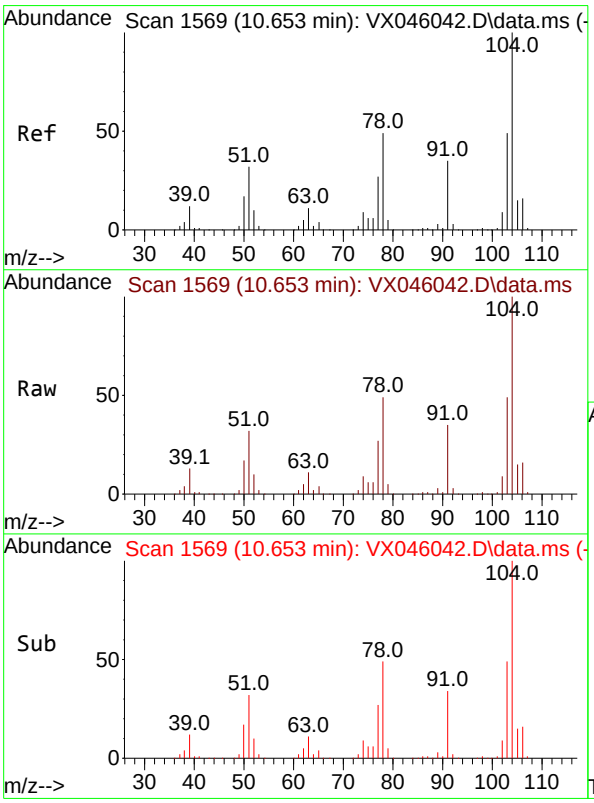
#69
o-Xylene
Concen: 38.064 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 106335

Ion	Ratio	Lower	Upper
106	100		
91	225.4	112.7	338.1

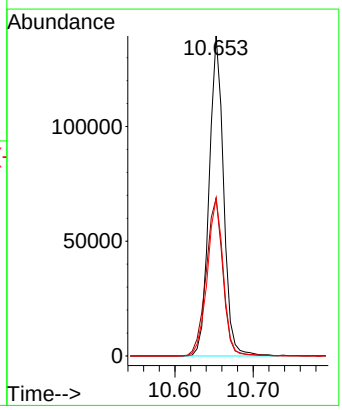


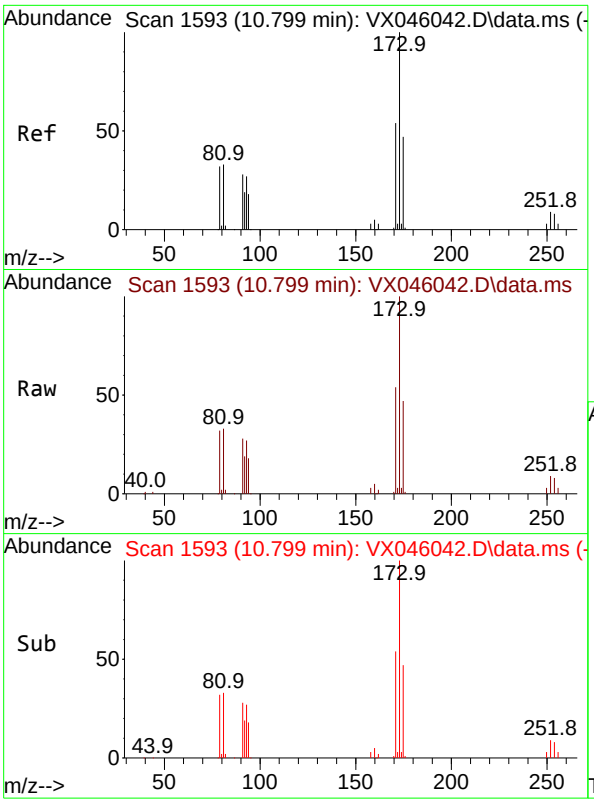


#70
Styrene
Concen: 39.888 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:104 Resp: 178313

Ion	Ratio	Lower	Upper
104	100		
78	57.1	45.7	68.5
103	54.6	43.7	65.5



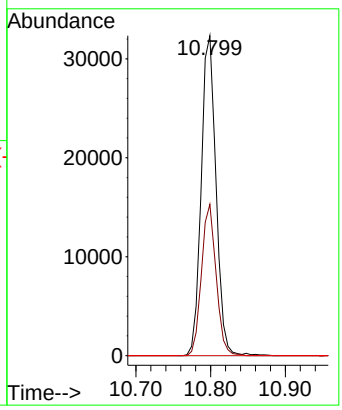


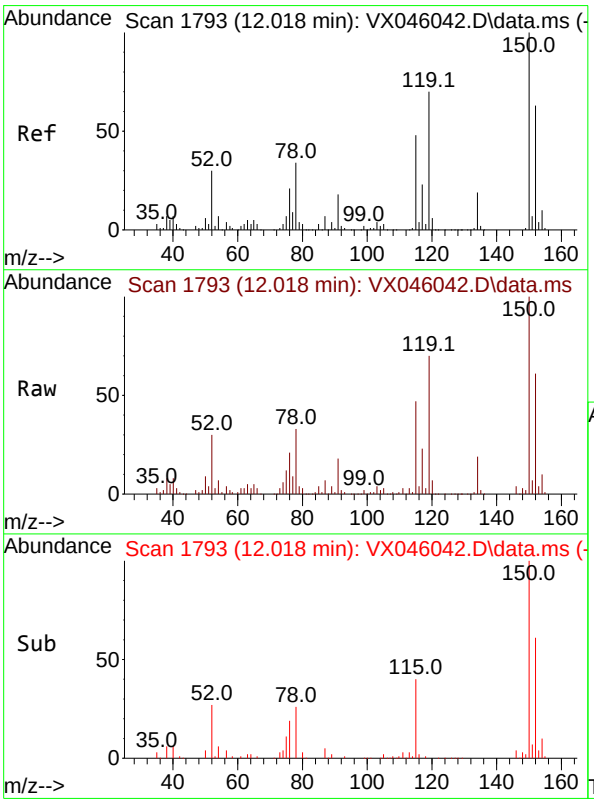
#71
Bromoform
Concen: 39.457 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 44486

Ion	Ratio	Lower	Upper
173	100		
175	46.7	23.4	70.0
254	0.0	0.0	0.0

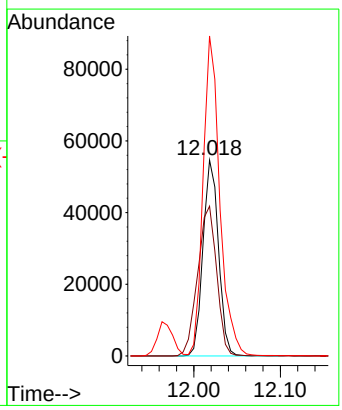


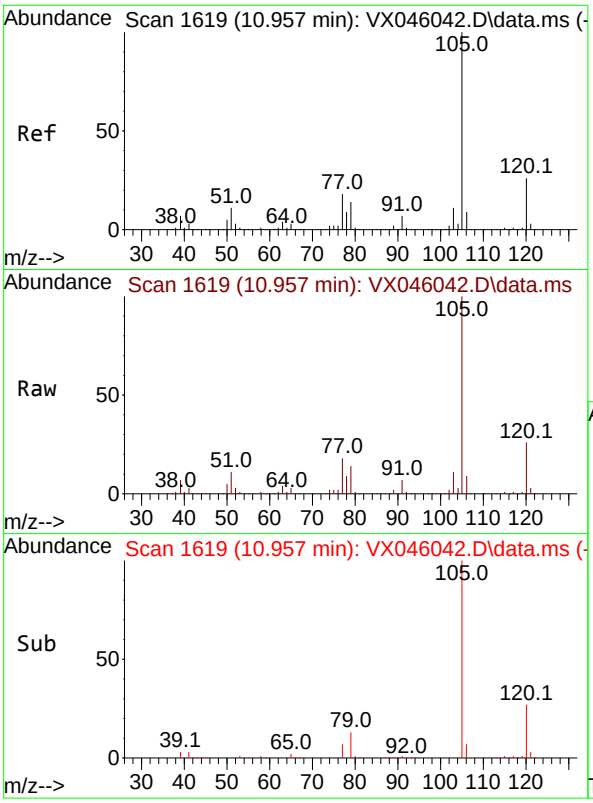


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:152 Resp: 67976

Ion	Ratio	Lower	Upper
152	100		
115	93.8	46.9	140.7
150	175.5	0.0	351.0



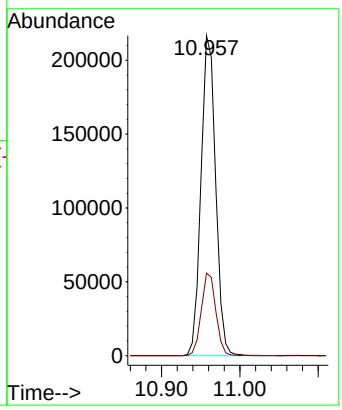


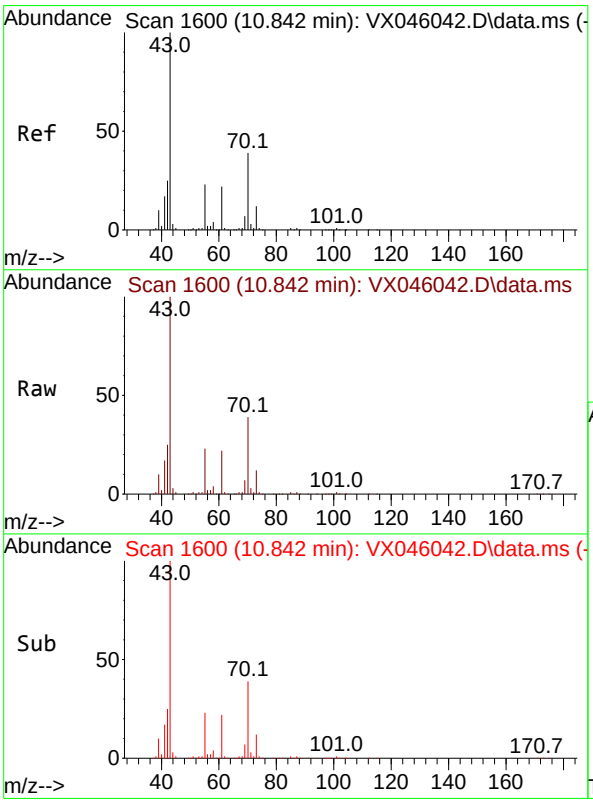
#73
Isopropylbenzene
Concen: 37.865 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 280719

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

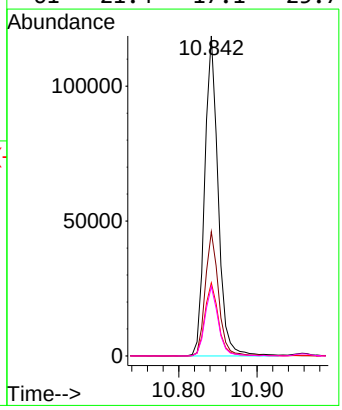


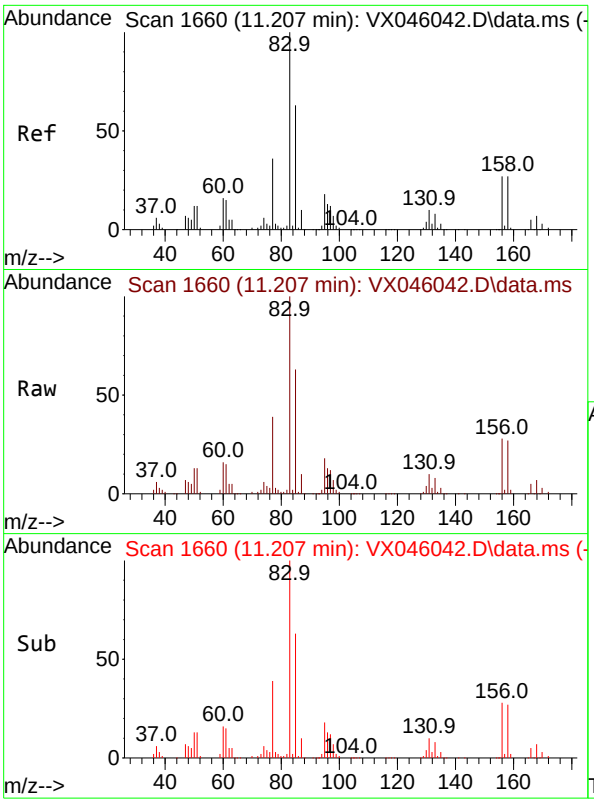


#74
N-amyl acetate
Concen: 38.012 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 43 Resp: 140509

Ion	Ratio	Lower	Upper
43	100		
70	38.6	30.9	46.3
55	23.4	18.7	28.1
61	21.4	17.1	25.7



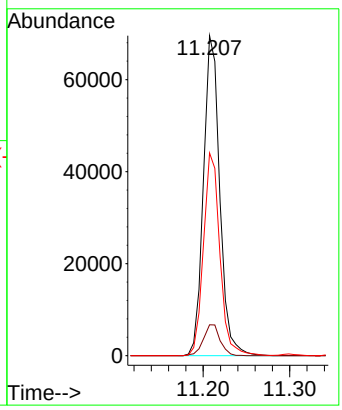


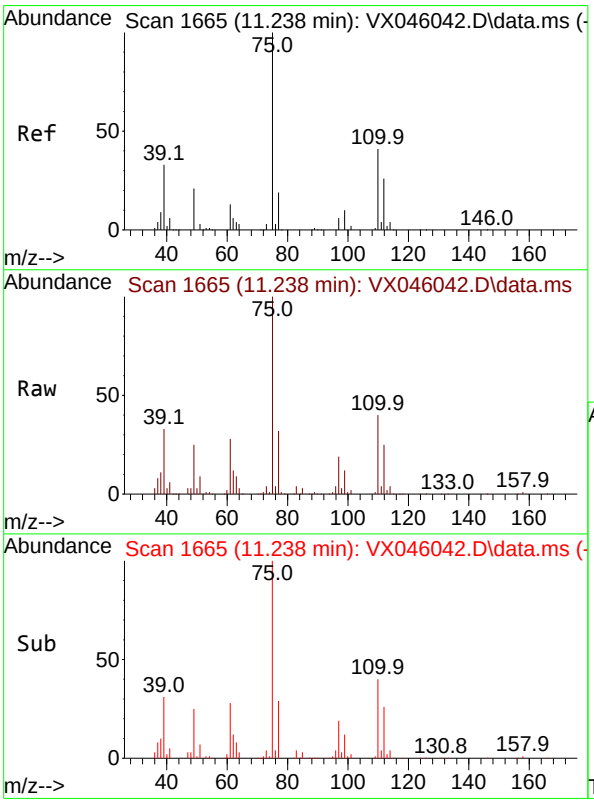
#75
1,1,2,2-Tetrachloroethane
Concen: 34.495 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 90975

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.8	31.9	95.7

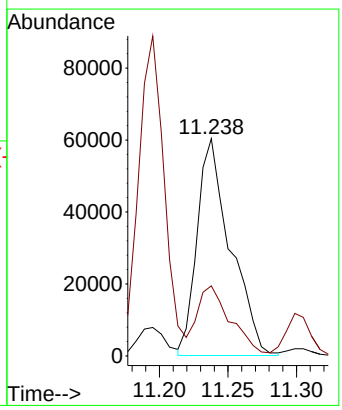


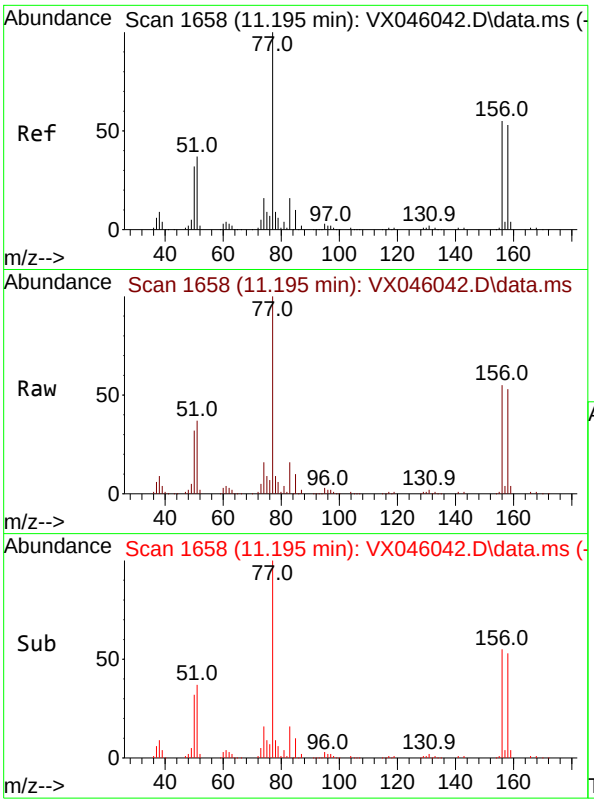


#76
1,2,3-Trichloropropane
Concen: 36.110 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 102335

Ion	Ratio	Lower	Upper
75	100		
77	32.3	20.5	61.5



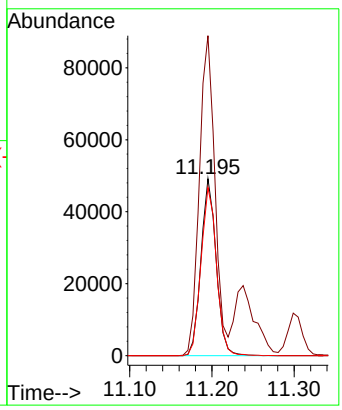


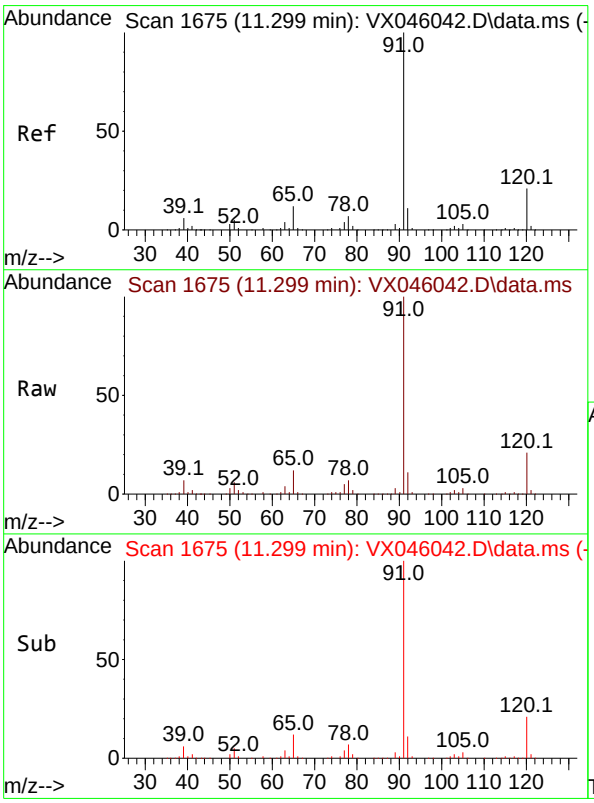
#77
Bromobenzene
Concen: 36.763 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 63053

Ion	Ratio	Lower	Upper
156	100		
77	185.5	92.8	278.3
158	97.5	48.8	146.3

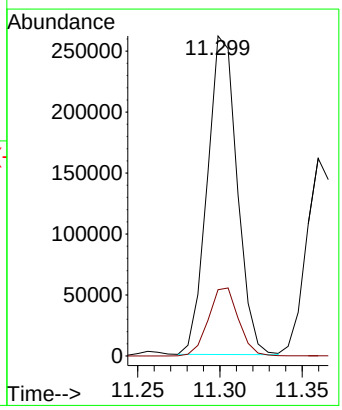


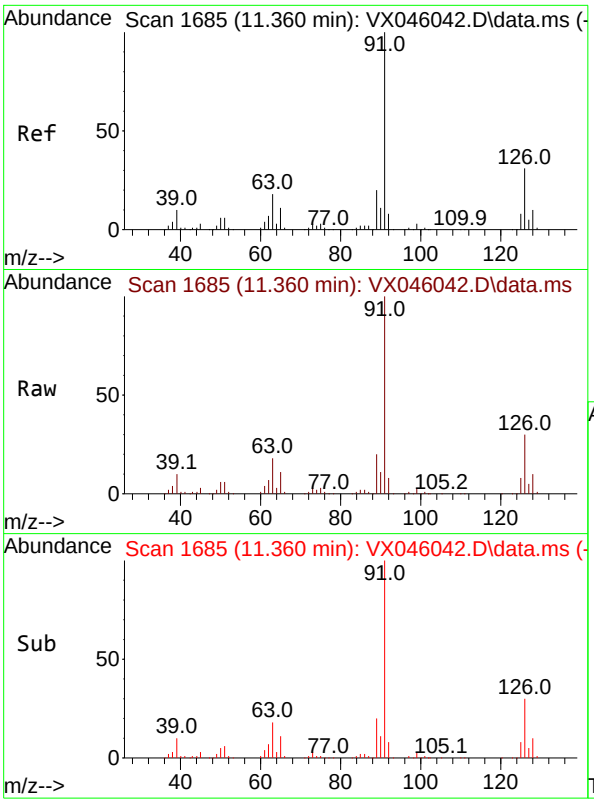


#78
n-propylbenzene
Concen: 39.707 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 329981

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4



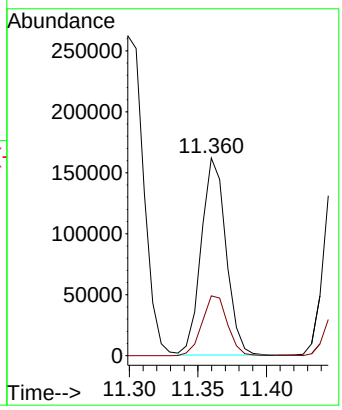


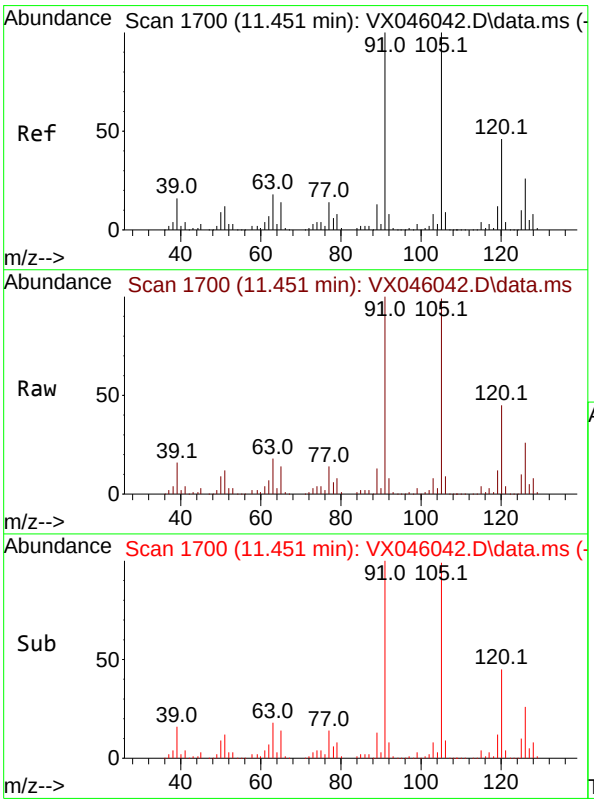
#79
2-Chlorotoluene
Concen: 36.336 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 203509

Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.7

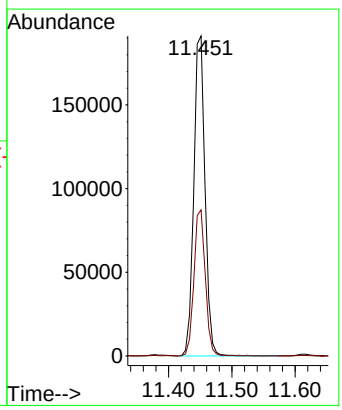


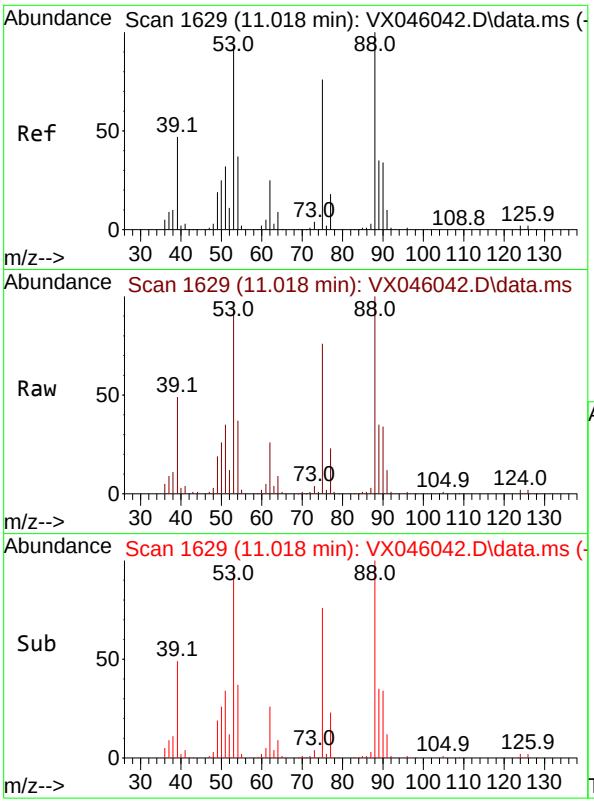


#80
1,3,5-Trimethylbenzene
Concen: 38.516 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 237066

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2



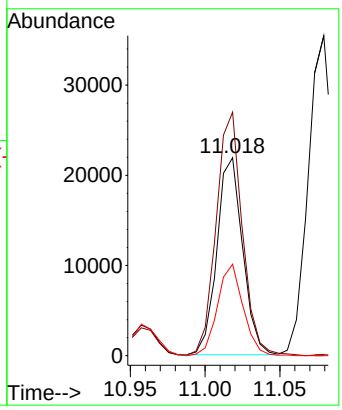


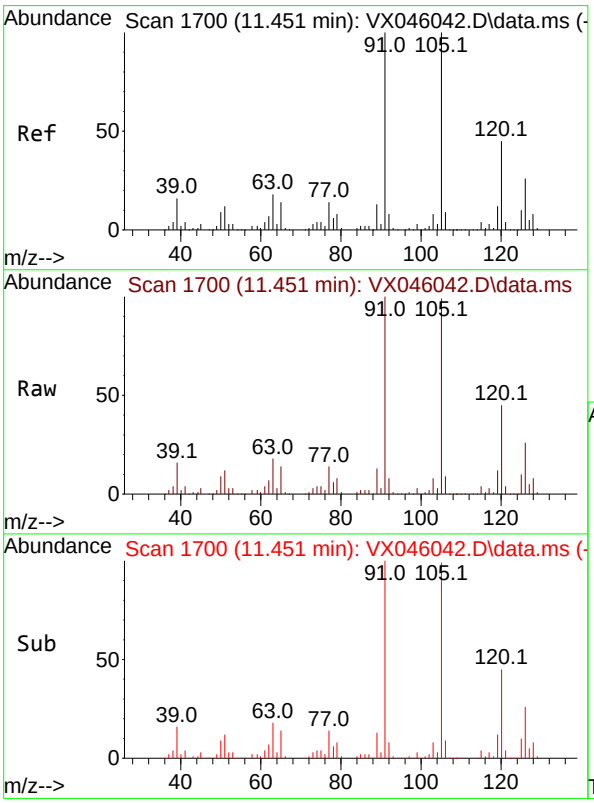
#81
trans-1,4-Dichloro-2-butene
Concen: 38.445 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 26179

Ion	Ratio	Lower	Upper
75	100		
53	125.6	100.5	150.7
89	46.3	37.0	55.6

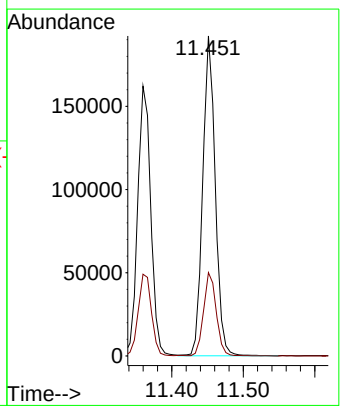


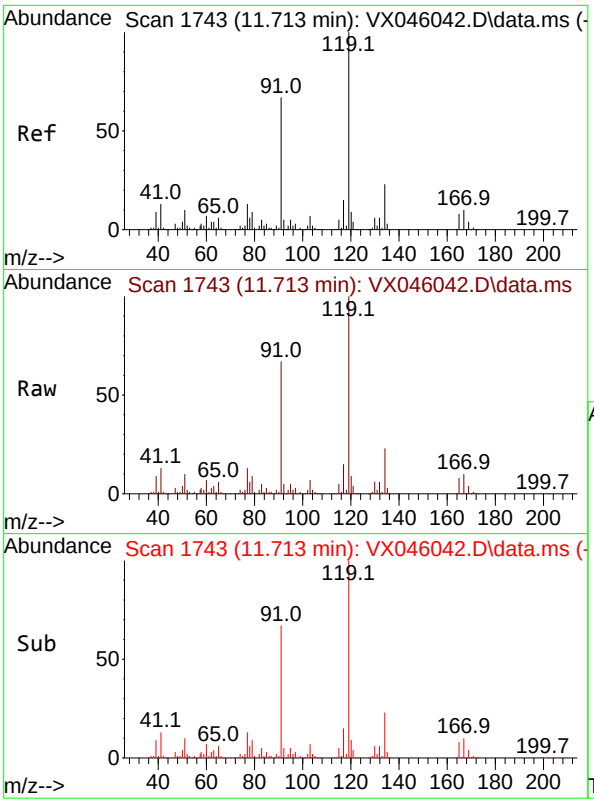


#82
4-Chlorotoluene
Concen: 37.880 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 91 Resp: 233172

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8



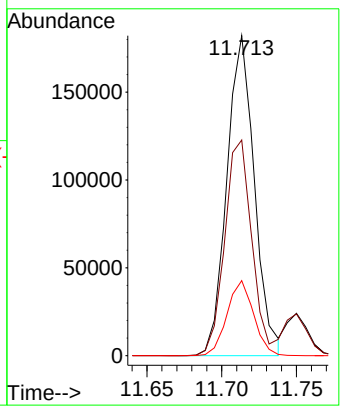


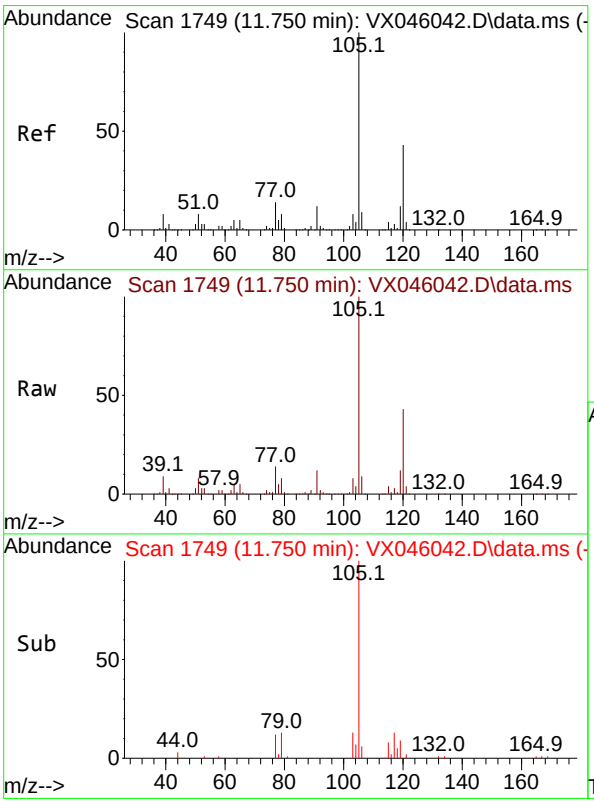
#83
tert-Butylbenzene
Concen: 38.622 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 233468

Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.9	98.7
134	22.7	11.4	34.1

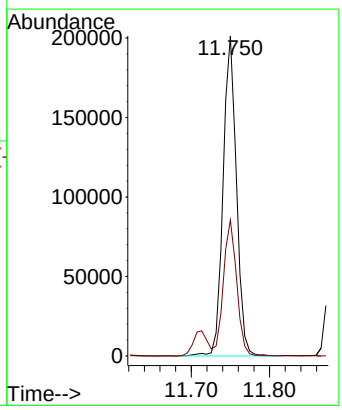


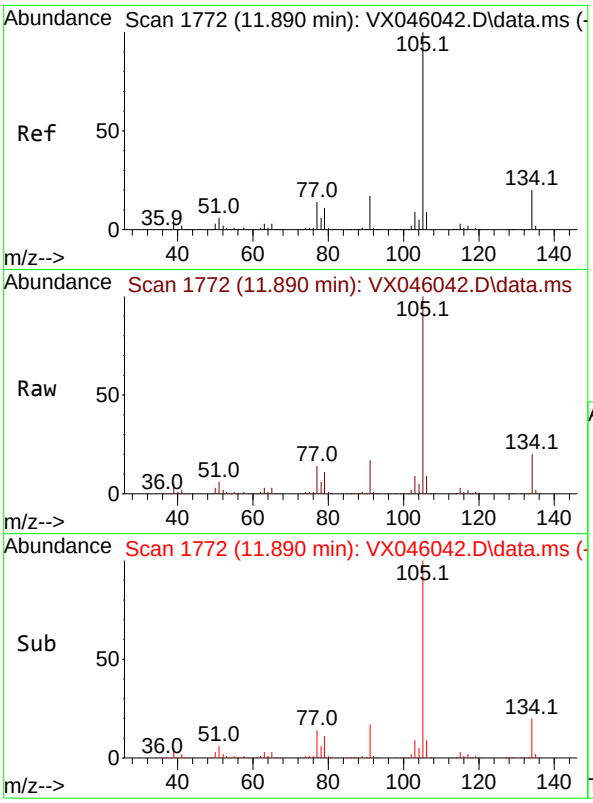


#84
1,2,4-Trimethylbenzene
Concen: 38.946 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:105 Resp: 239433

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.2	63.6



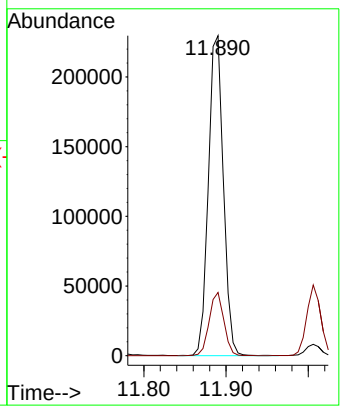


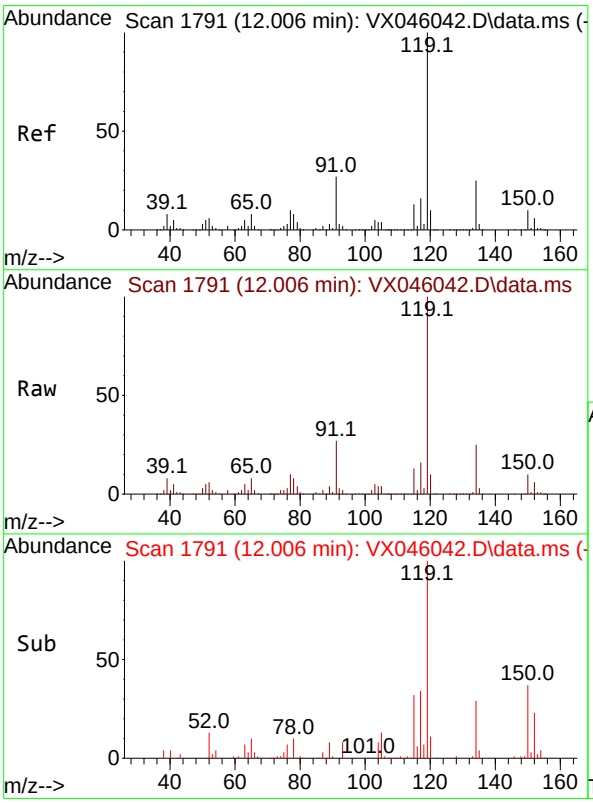
#85
sec-Butylbenzene
Concen: 38.786 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 291074

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

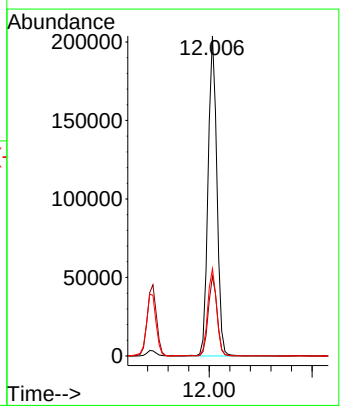


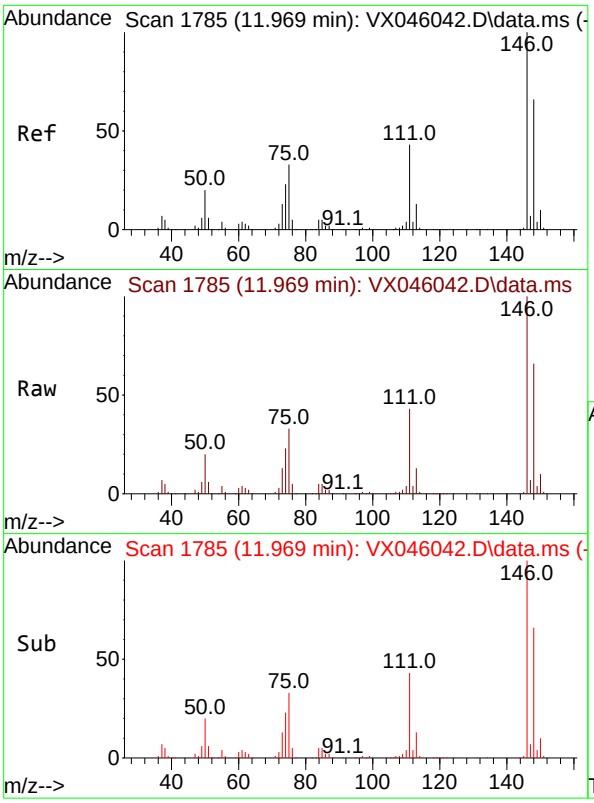


#86
p-Isopropyltoluene
Concen: 39.879 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:119 Resp: 241658

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	27.6	13.8	41.4



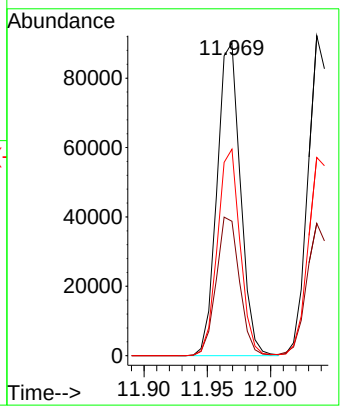


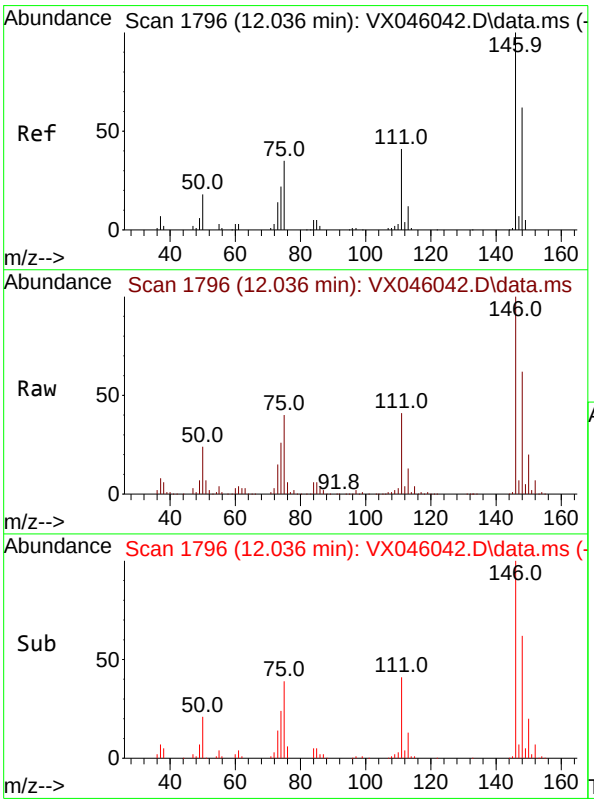
#87
1,3-Dichlorobenzene
Concen: 36.199 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 115651

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.3
148	64.3	32.1	96.5

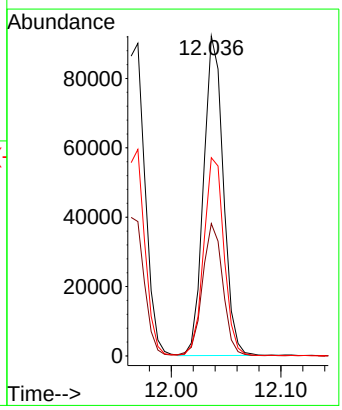


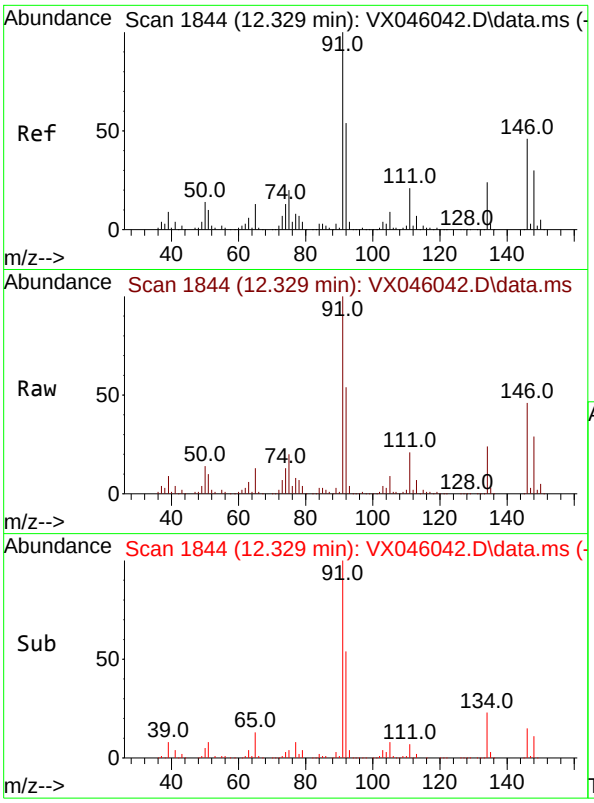


#88
1,4-Dichlorobenzene
Concen: 36.763 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:146 Resp: 115097

Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	63.7	31.9	95.5



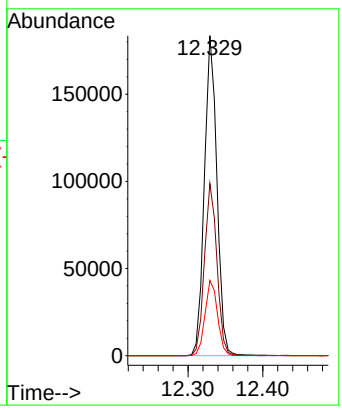


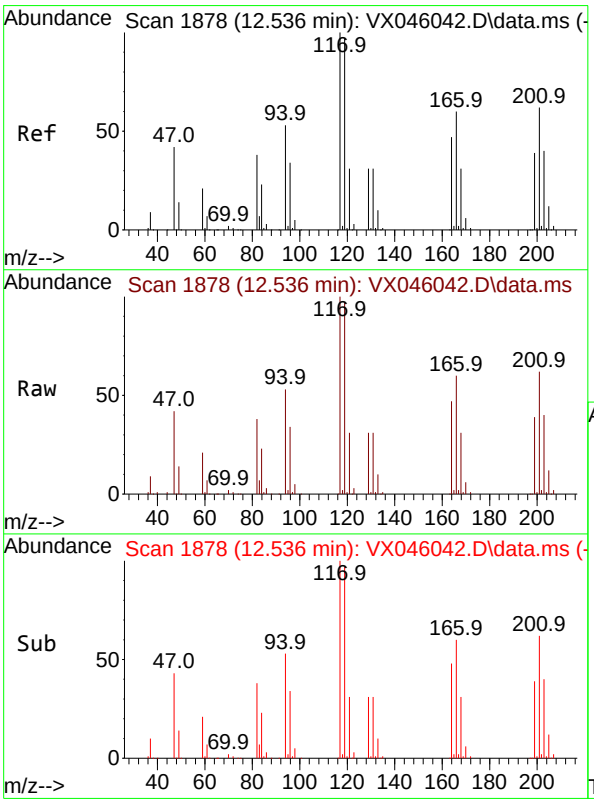
#89
n-Butylbenzene
Concen: 40.603 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 213899

Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.9	80.7
134	23.5	11.8	35.3

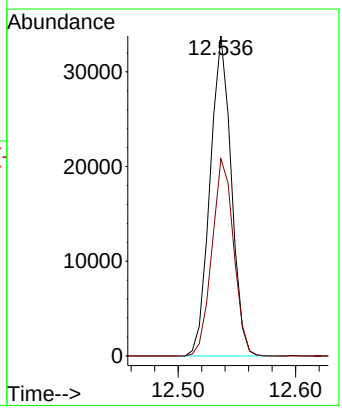


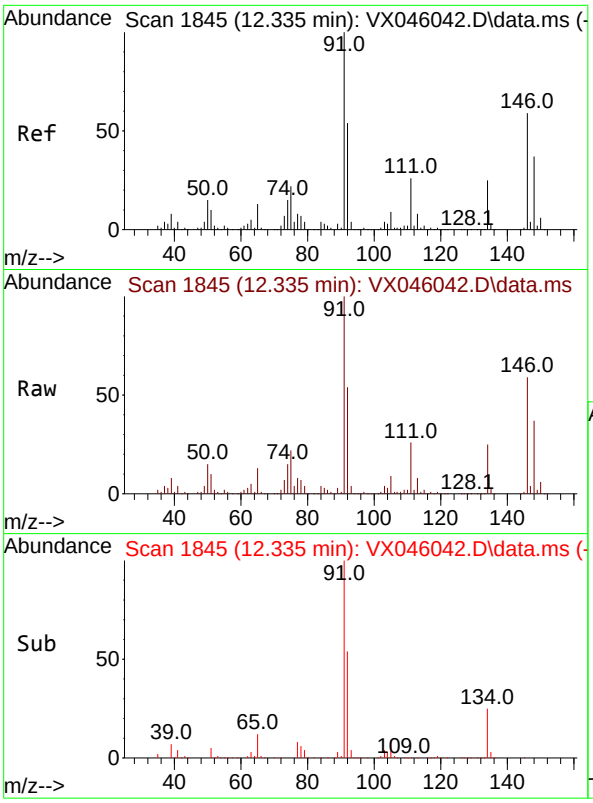


#90
Hexachloroethane
Concen: 37.534 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:117 Resp: 42314

Ion	Ratio	Lower	Upper
117	100		
201	63.1	31.6	94.7



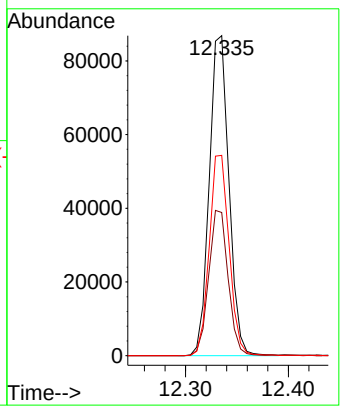


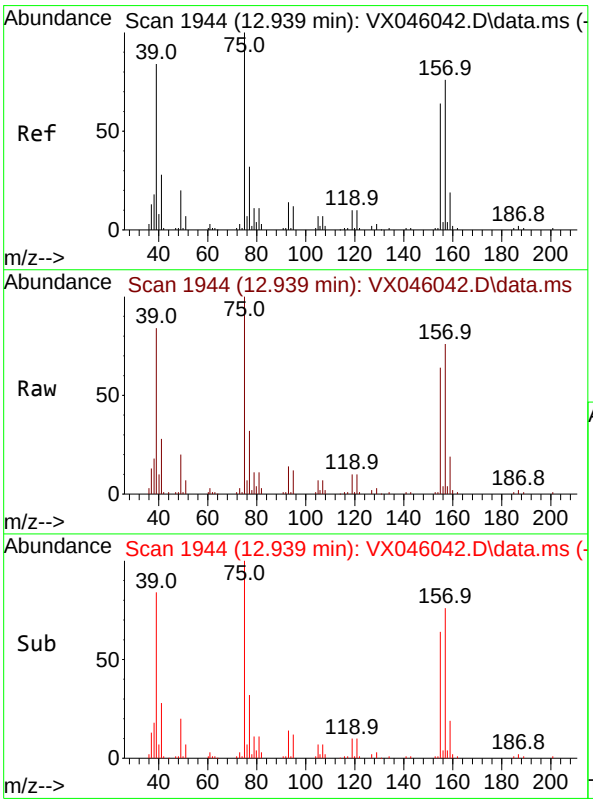
#91
1,2-Dichlorobenzene
Concen: 37.047 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 115286

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.3
148	63.2	31.6	94.8

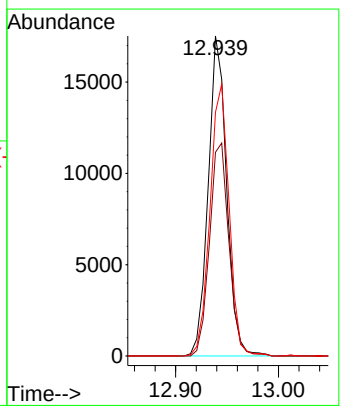


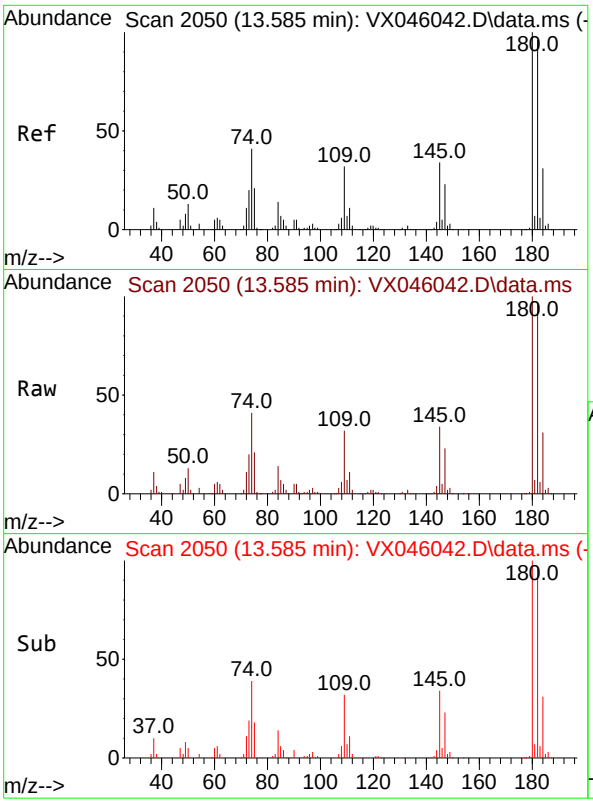


#92
1,2-Dibromo-3-Chloropropane
Concen: 36.496 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion: 75 Resp: 21909

Ion	Ratio	Lower	Upper
75	100		
155	69.9	34.9	104.8
157	87.6	43.8	131.4



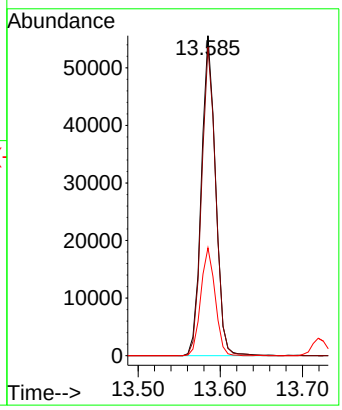


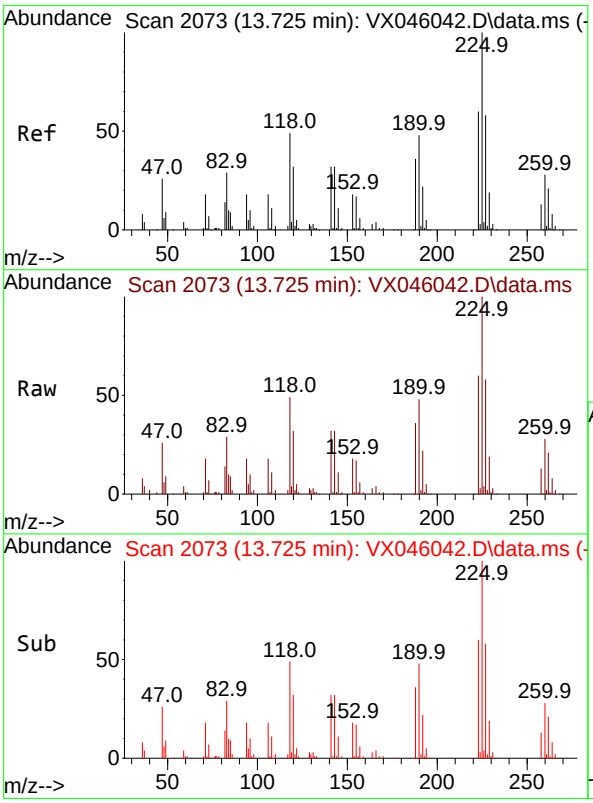
#93
1,2,4-Trichlorobenzene
Concen: 39.117 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 66655

Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.8
145	34.1	17.1	51.2

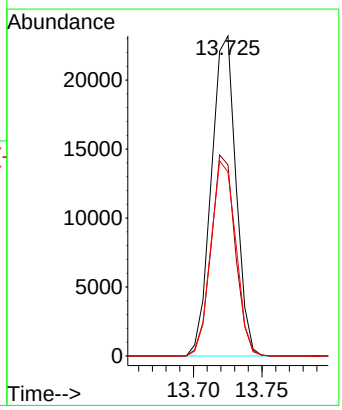


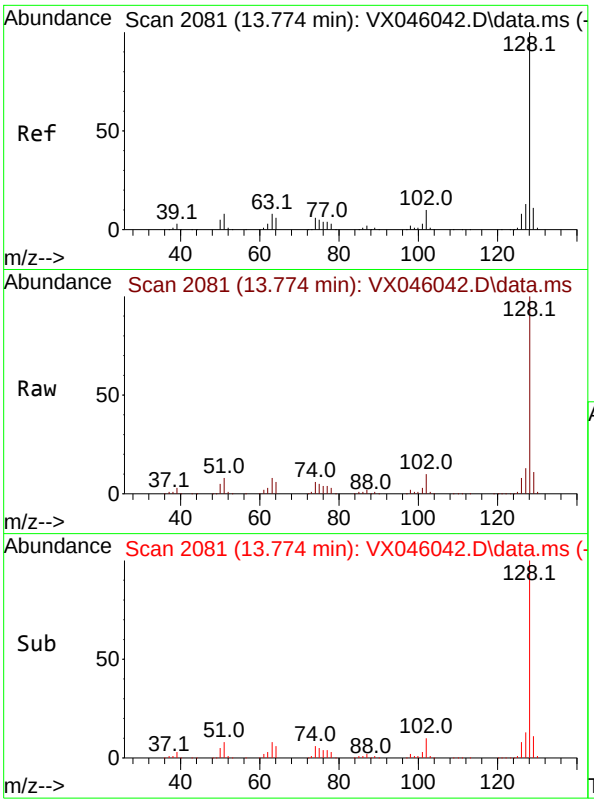


#94
Hexachlorobutadiene
Concen: 36.395 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:225 Resp: 29007

Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.8	92.4
227	61.8	30.9	92.7



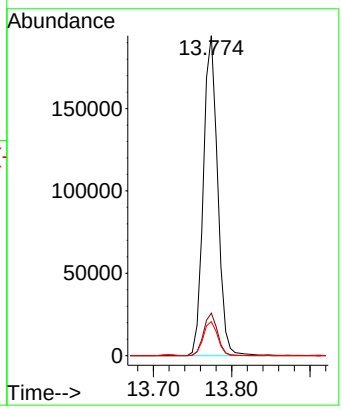


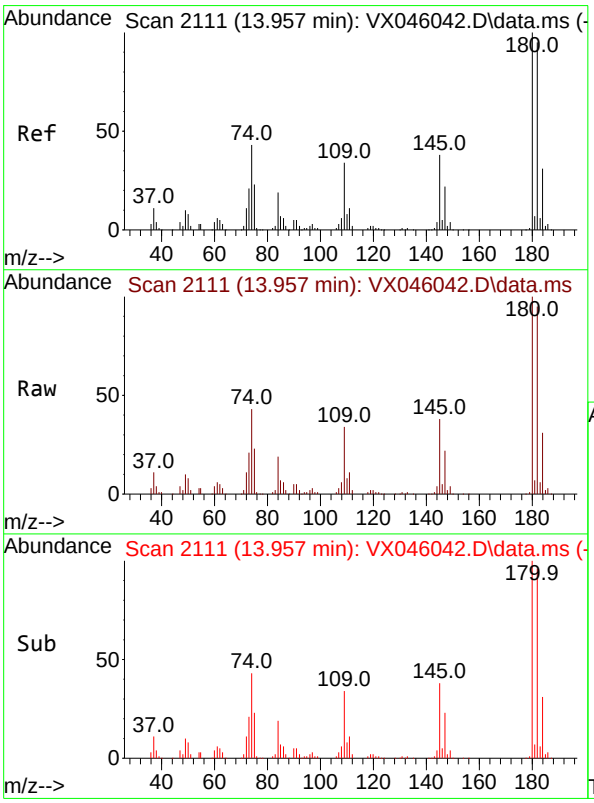
#95
Naphthalene
Concen: 39.575 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 245568

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

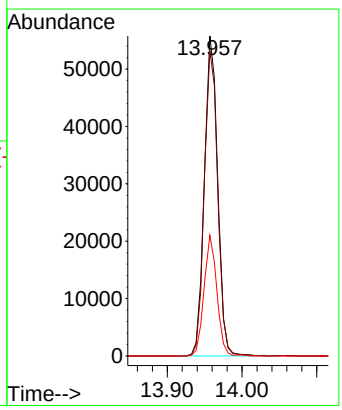




#96
1,2,3-Trichlorobenzene
Concen: 38.765 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046042.D
Acq: 05 May 2025 11:58

Tgt Ion:180 Resp: 69262

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	36.2	18.1	54.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	87028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	161877	62.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 125.060%#			
35) Dibromofluoromethane	5.379	113	111455	65.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 130.020%#			
50) Toluene-d8	8.647	98	387230	67.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 134.060%#			
62) 4-Bromofluorobenzene	11.079	95	153085	72.818	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 145.640%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	149508	77.828	ug/l	99
3) Chloromethane	1.307	50	136937	72.392	ug/l	98
4) Vinyl Chloride	1.374	62	126609	76.398	ug/l	98
5) Bromomethane	1.593	94	59246	70.507	ug/l	99
6) Chloroethane	1.660	64	57332	67.148	ug/l	99
7) Trichlorofluoromethane	1.867	101	171042	67.754	ug/l	99
8) Diethyl Ether	2.136	74	58762	70.807	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	109520	72.604	ug/l	99
10) Methyl Iodide	2.440	142	138045	77.943	ug/l	100
11) Tert butyl alcohol	2.995	59	125094	405.394	ug/l	100
12) 1,1-Dichloroethene	2.306	96	105566	71.884	ug/l	96
13) Acrolein	2.239	56	134456	375.132	ug/l	99
14) Allyl chloride	2.660	41	206519	74.419	ug/l	98
15) Acrylonitrile	3.068	53	331142	358.723	ug/l	97
16) Acetone	2.386	43	314383	354.936	ug/l	98
17) Carbon Disulfide	2.501	76	264956	77.867	ug/l	100
18) Methyl Acetate	2.703	43	147014	69.531	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	378113	73.818	ug/l	100
20) Methylene Chloride	2.782	84	120270	67.030	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	106606	71.109	ug/l	99
22) Diisopropyl ether	3.763	45	399494	77.048	ug/l	90
23) Vinyl Acetate	3.721	43	1811550	395.363	ug/l	100
24) 1,1-Dichloroethane	3.605	63	219759	72.114	ug/l	99
25) 2-Butanone	4.556	43	485448	379.704	ug/l	100
26) 2,2-Dichloropropane	4.464	77	174579	75.621	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	128454	71.056	ug/l	99
28) Bromochloromethane	4.891	49	103602	63.932	ug/l	100
29) Tetrahydrofuran	5.001	42	305757	368.234	ug/l	99
30) Chloroform	5.086	83	222253	70.180	ug/l	95
31) Cyclohexane	5.458	56	196302	76.428	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	201112	73.635	ug/l	98
36) 1,1-Dichloropropene	5.690	75	147873	74.285	ug/l	99
37) Ethyl Acetate	4.714	43	186215	74.565	ug/l	99
38) Carbon Tetrachloride	5.672	117	168946	73.875	ug/l	99
39) Methylcyclohexane	7.372	83	191941	76.952	ug/l	96
40) Benzene	6.031	78	440885	71.457	ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	104863	75.574	ug/l		98
42) 1,2-Dichloroethane	6.080	62	187036	73.318	ug/l		99
43) Isopropyl Acetate	6.342	43	300491	78.714	ug/l		100
44) Trichloroethene	7.123	130	105628	72.420	ug/l		98
45) 1,2-Dichloropropane	7.427	63	112554	73.420	ug/l		100
46) Dibromomethane	7.574	93	85728	70.938	ug/l		100
47) Bromodichloromethane	7.818	83	175301	74.845	ug/l		99
48) Methyl methacrylate	7.689	41	153093	78.101	ug/l		99
49) 1,4-Dioxane	7.659	88	57313	1470.687	ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	963319	384.740	ug/l		100
52) Toluene	8.714	92	270763	74.010	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	169863	86.372	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	184134	80.264	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	107264	72.543	ug/l		99
56) Ethyl methacrylate	9.116	69	188717	82.359	ug/l		99
57) 1,3-Dichloropropane	9.305	76	187649	71.590	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	463169	449.791	ug/l		100
59) 2-Hexanone	9.433	43	729602	383.945	ug/l		100
60) Dibromochloromethane	9.518	129	127012	78.918	ug/l		98
61) 1,2-Dibromoethane	9.610	107	112669	74.200	ug/l		98
64) Tetrachloroethene	9.268	164	93195	67.493	ug/l		96
65) Chlorobenzene	10.079	112	293284	70.490	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	103177	74.349	ug/l		99
67) Ethyl Benzene	10.189	91	535122	75.444	ug/l		99
68) m/p-Xylenes	10.299	106	389935	152.181	ug/l		99
69) o-Xylene	10.640	106	190833	73.890	ug/l		97
70) Styrene	10.652	104	328195	79.411	ug/l		100
71) Bromoform	10.799	173	84353	80.927	ug/l	#	98
73) Isopropylbenzene	10.957	105	514528	71.083	ug/l		100
74) N-amyl acetate	10.841	43	274553	76.073	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	170481	66.207	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	196706	71.091	ug/l		86
77) Bromobenzene	11.195	156	117151	69.959	ug/l		99
78) n-propylbenzene	11.305	91	608332	74.974	ug/l		100
79) 2-Chlorotoluene	11.360	91	372392	68.100	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	432096	71.903	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	54398	81.820	ug/l		93
82) 4-Chlorotoluene	11.451	91	432053	71.890	ug/l		100
83) tert-Butylbenzene	11.713	119	432011	73.197	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	442728	73.758	ug/l		100
85) sec-Butylbenzene	11.890	105	543597	74.188	ug/l		100
86) p-Isopropyltoluene	12.006	119	457898	77.393	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	219753	70.449	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	217613	71.190	ug/l		99
89) n-Butylbenzene	12.329	91	416602	80.996	ug/l		100
90) Hexachloroethane	12.536	117	82528	74.978	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	216834	71.367	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43673	74.512	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	137430	82.605	ug/l		98
94) Hexachlorobutadiene	13.725	225	55494	71.314	ug/l		98
95) Naphthalene	13.774	128	489778	80.842	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	139525	79.981	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

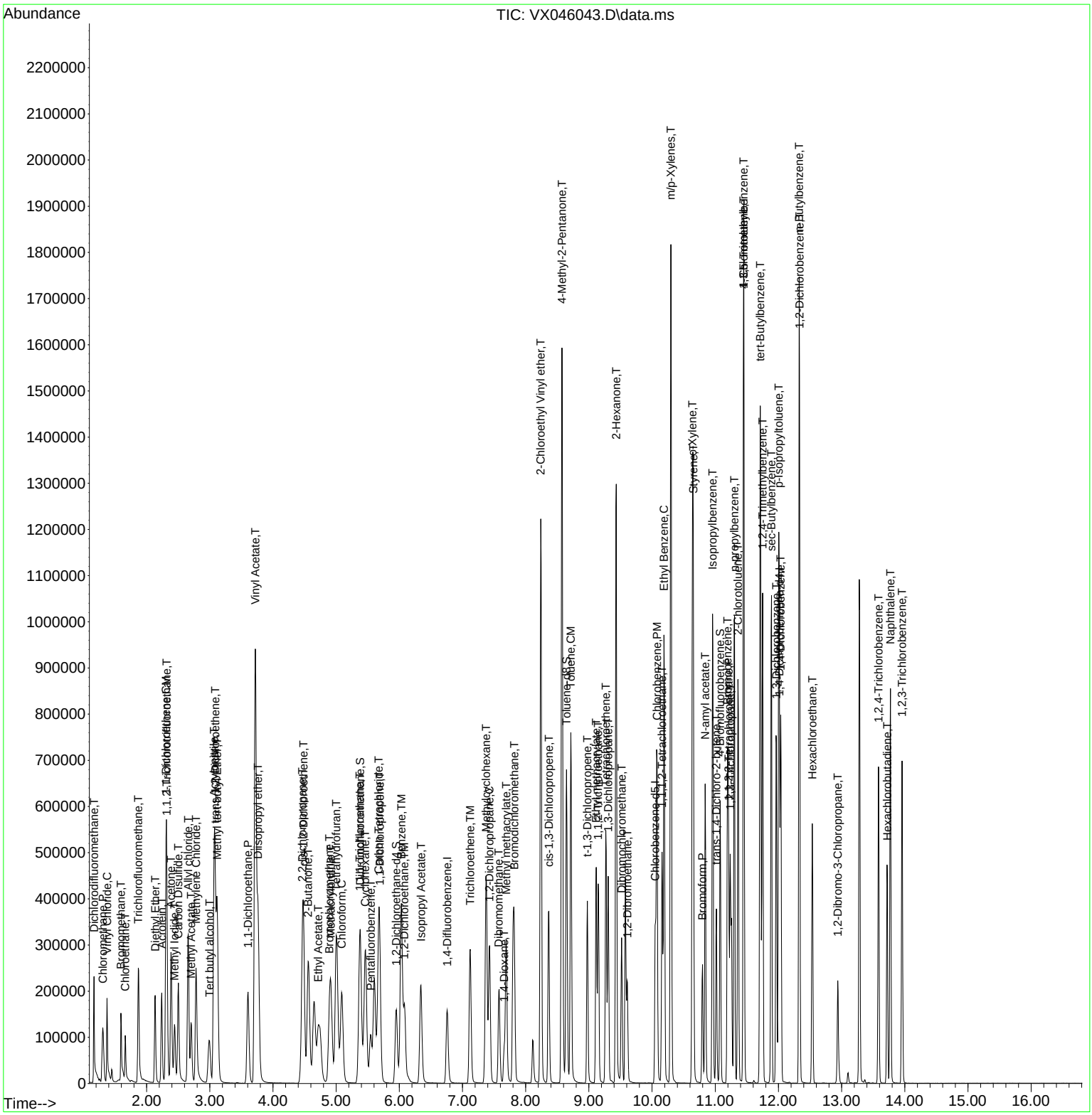
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

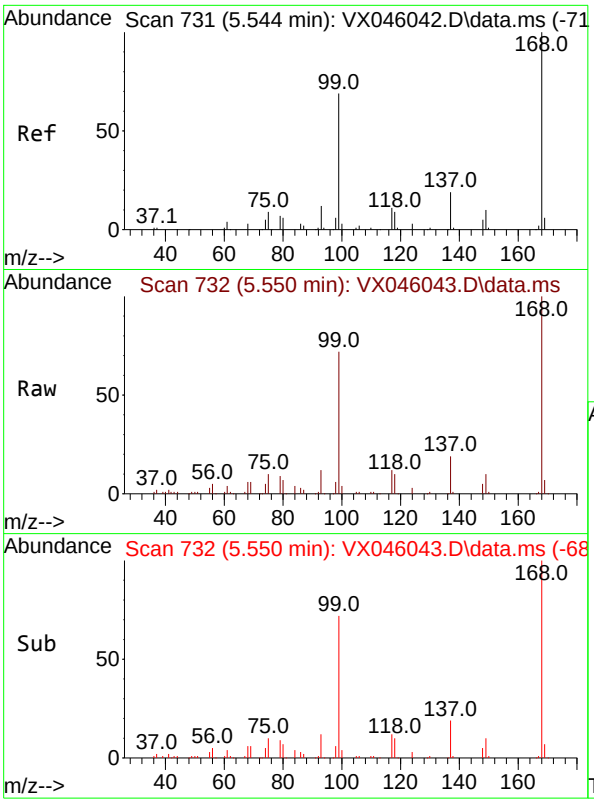
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046043.D
Acq On : 05 May 2025 12:21
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Quant Time: May 06 06:10:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration



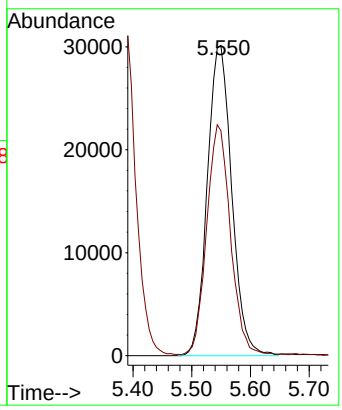


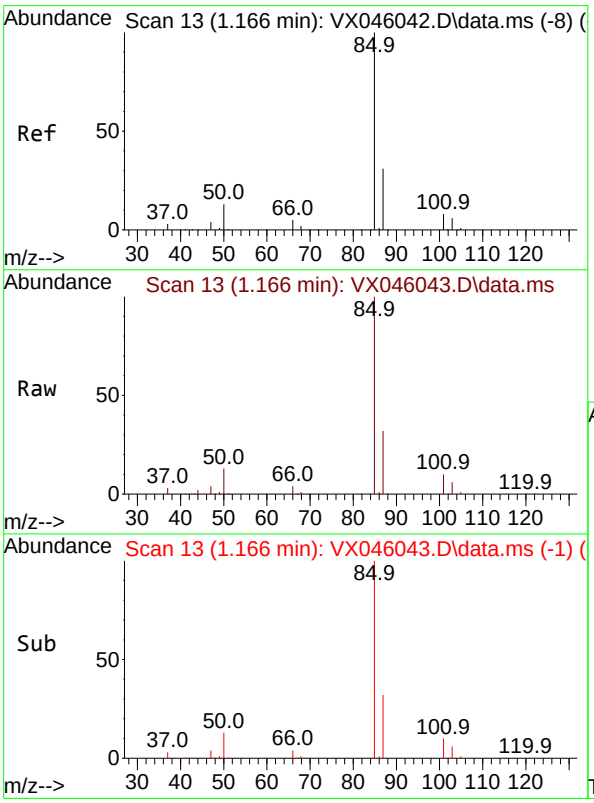
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 87028

Ion	Ratio	Lower	Upper
168	100		
99	72.1	54.9	82.3

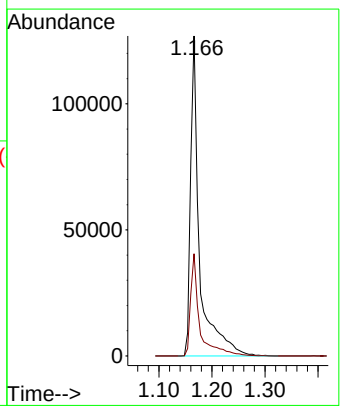


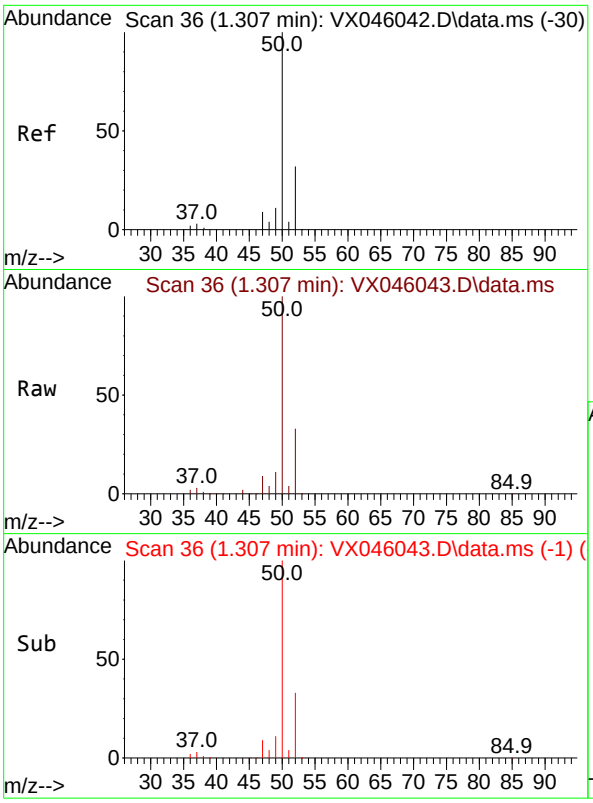


#2
Dichlorodifluoromethane
Concen: 77.828 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 85 Resp: 149508

Ion	Ratio	Lower	Upper
85	100		
87	32.0	15.7	47.1



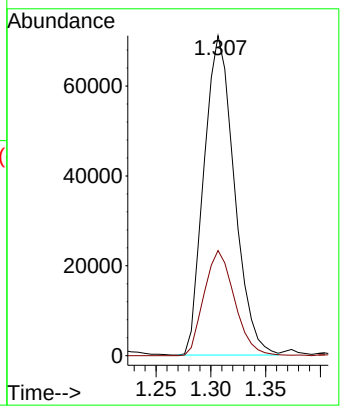


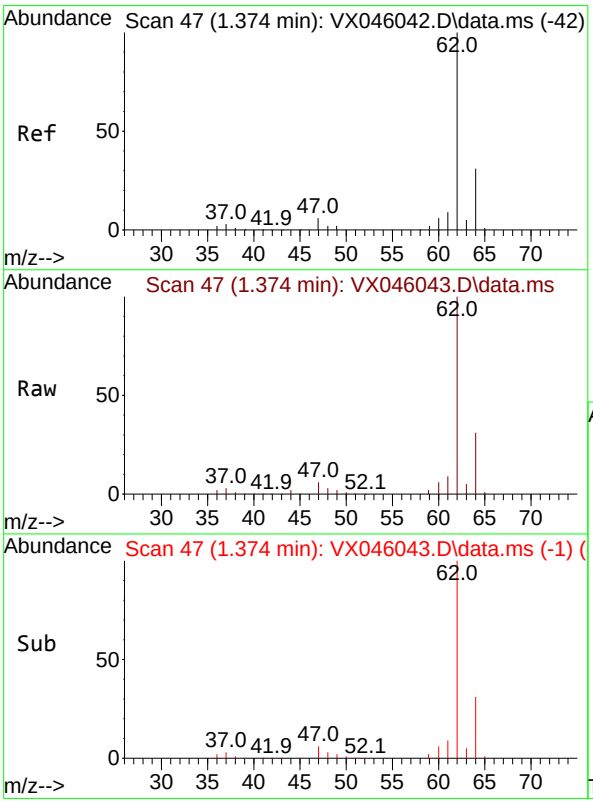
#3
Chloromethane
Concen: 72.392 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 136937

Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.4	38.2

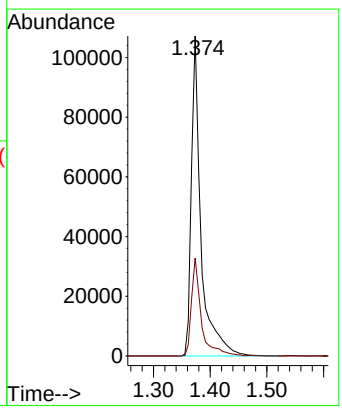


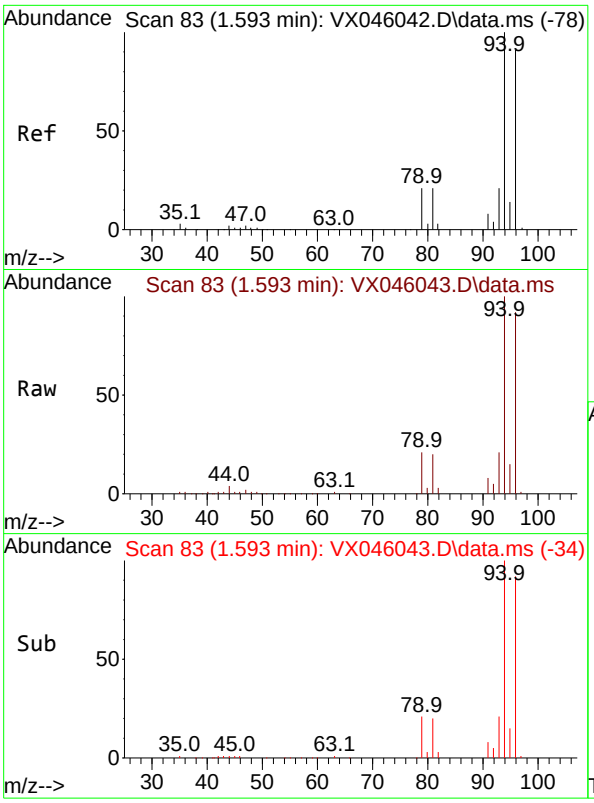


#4
Vinyl Chloride
Concen: 76.398 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 62 Resp: 126609

Ion	Ratio	Lower	Upper
62	100		
64	30.6	25.2	37.8



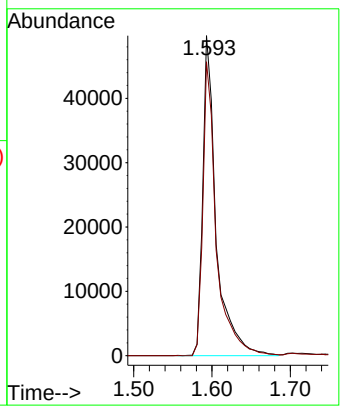


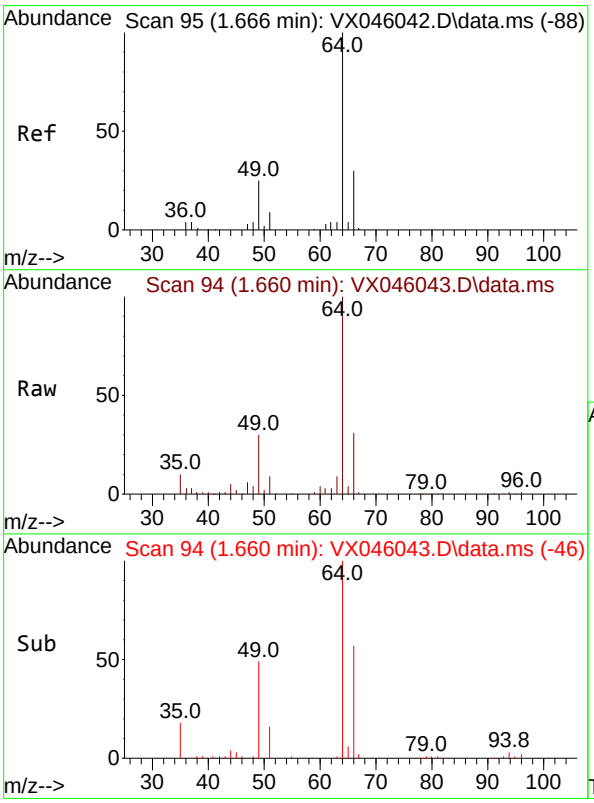
#5
Bromomethane
Concen: 70.507 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 59246

Ion	Ratio	Lower	Upper
94	100		
96	91.7	72.8	109.2

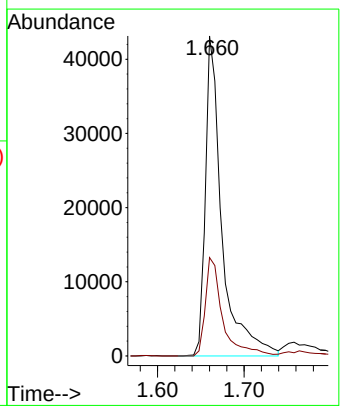


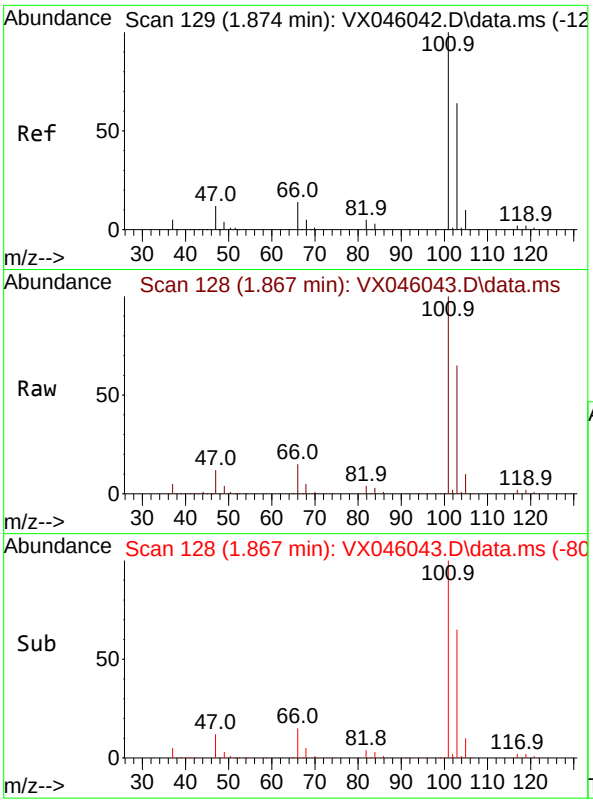


#6
Chloroethane
Concen: 67.148 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 64 Resp: 57332

Ion	Ratio	Lower	Upper
64	100		
66	30.8	24.3	36.5



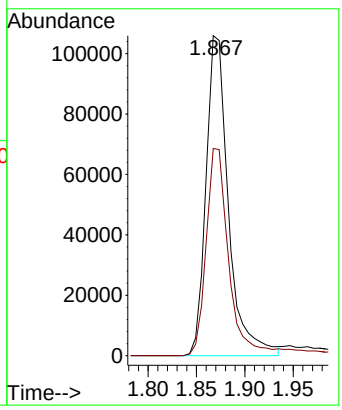


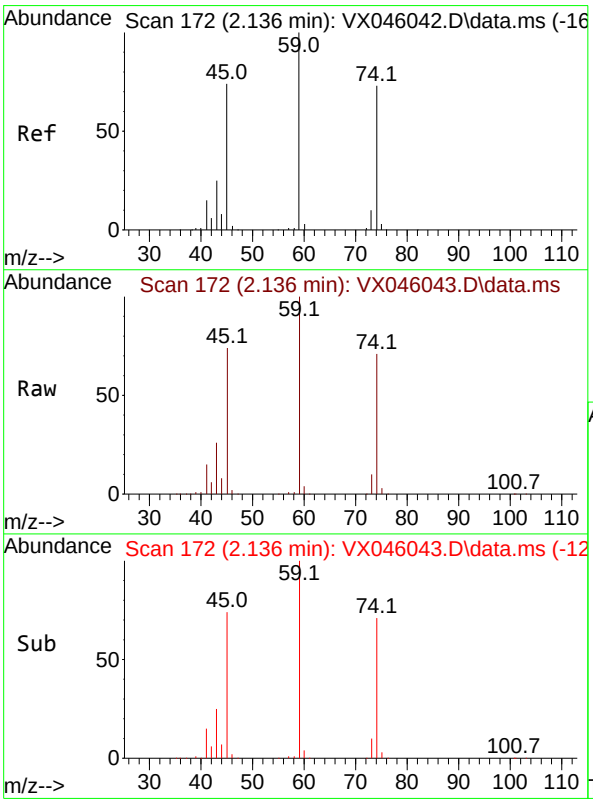
#7
Trichlorofluoromethane
Concen: 67.754 ug/l
RT: 1.867 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 171042

Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.0	76.4

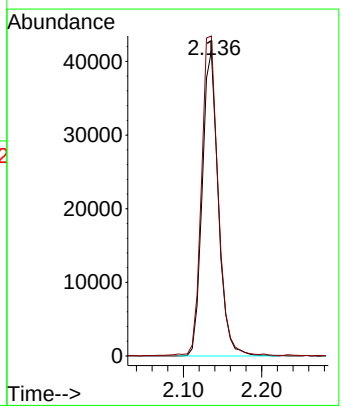


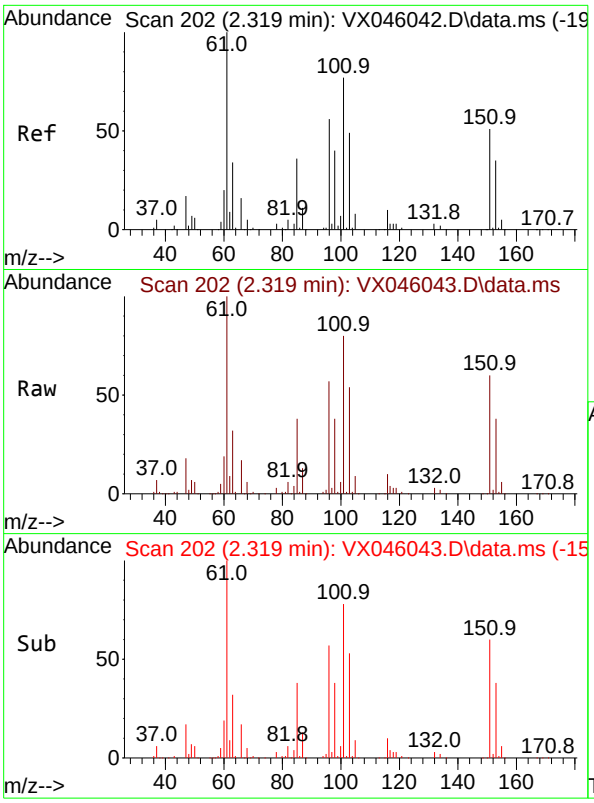


#8
Diethyl Ether
Concen: 70.807 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 74 Resp: 58762

Ion	Ratio	Lower	Upper
74	100		
45	110.1	54.9	164.8



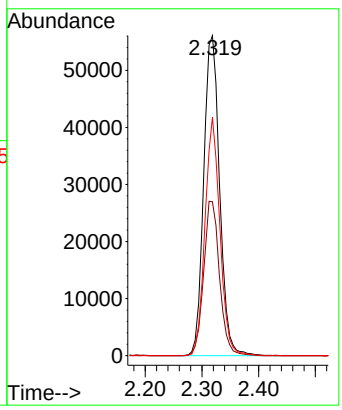


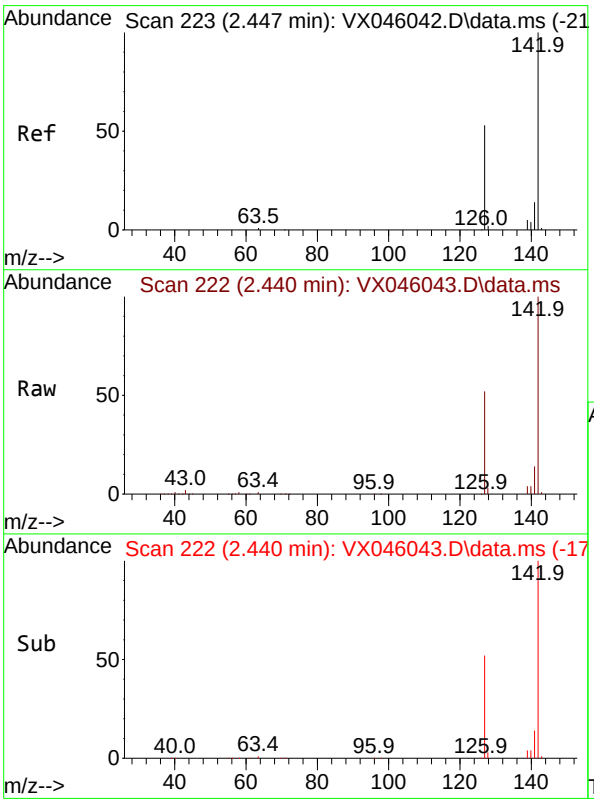
#9
1,1,2-Trichlorotrifluoroethane
Concen: 72.604 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 109520

Ion	Ratio	Lower	Upper
101	100		
85	48.1	38.6	58.0
151	69.9	55.2	82.8

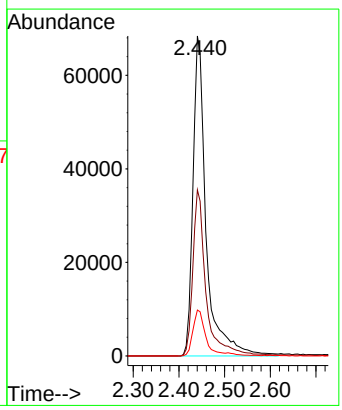


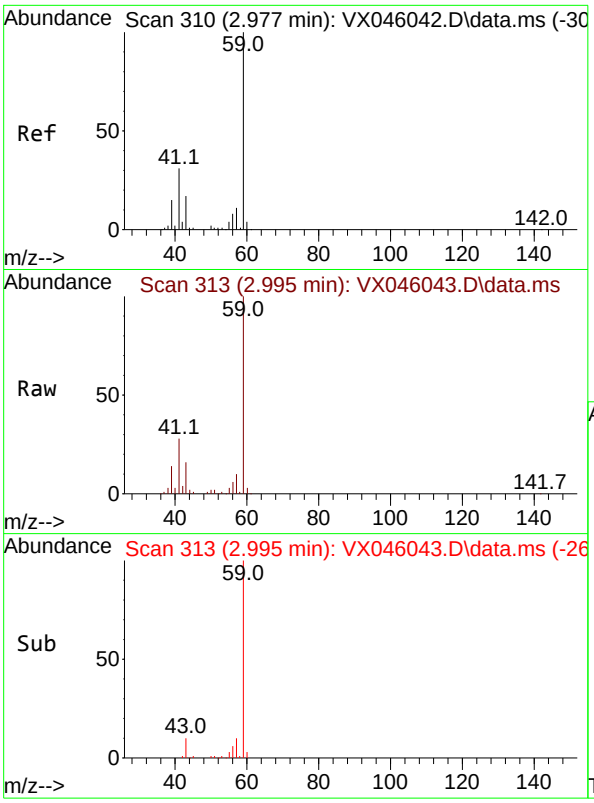


#10
Methyl Iodide
Concen: 77.943 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:142 Resp: 138045

Ion	Ratio	Lower	Upper
142	100		
127	52.0	41.7	62.5
141	14.5	11.5	17.3



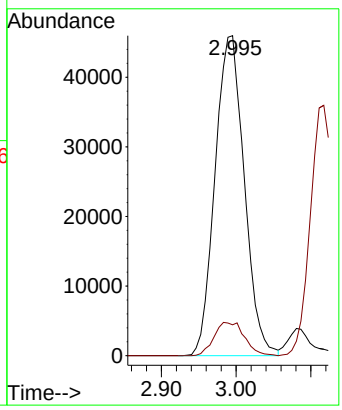


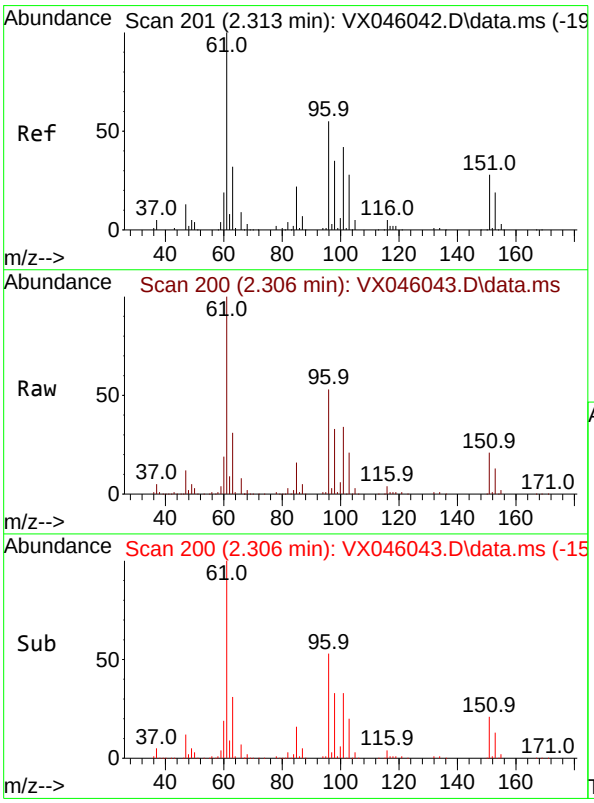
#11
Tert butyl alcohol
Concen: 405.394 ug/l
RT: 2.995 min Scan# 3
Delta R.T. 0.018 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 125094

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

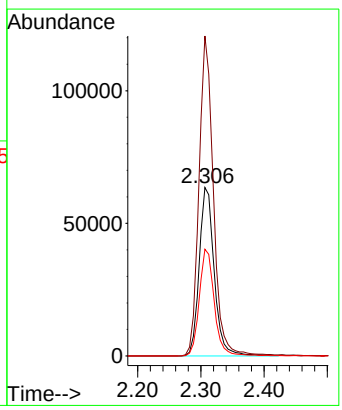


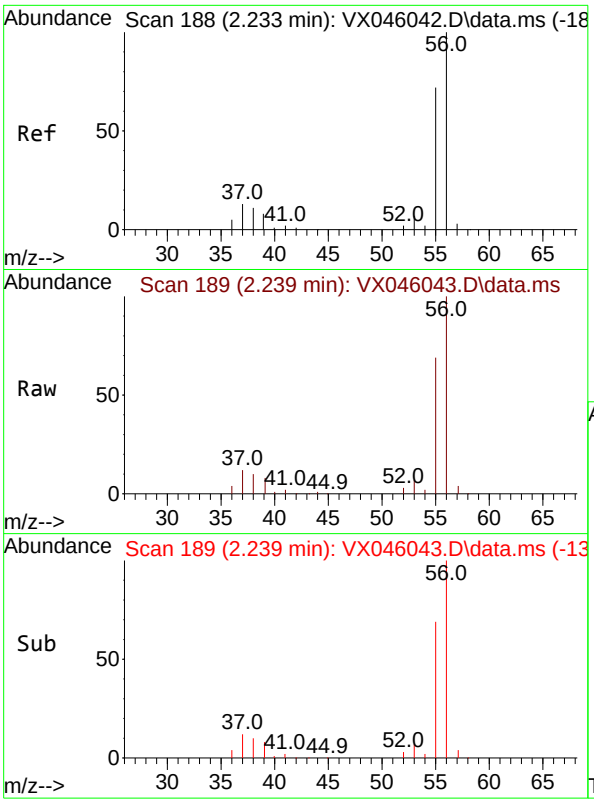


#12
1,1-Dichloroethene
Concen: 71.884 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 96 Resp: 105566

Ion	Ratio	Lower	Upper
96	100		
61	189.9	146.2	219.2
98	63.3	51.0	76.6



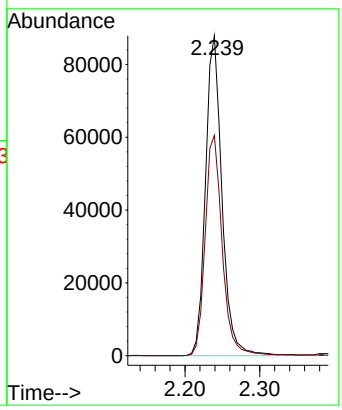


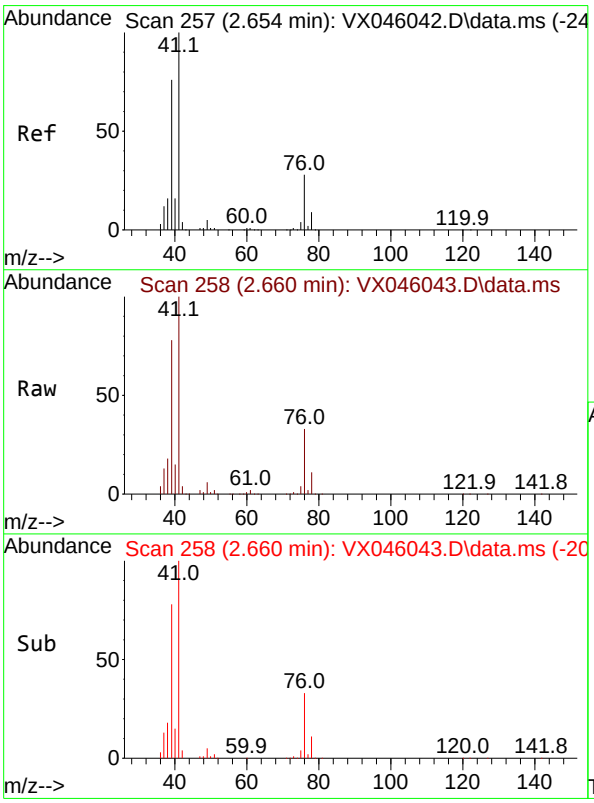
#13
Acrolein
Concen: 375.132 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 134456

Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.2	84.4

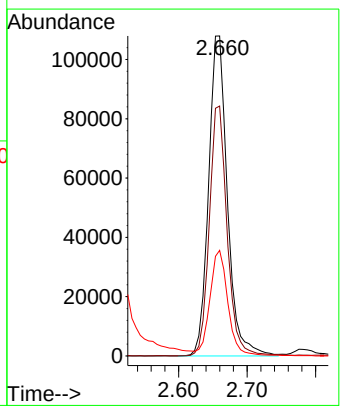


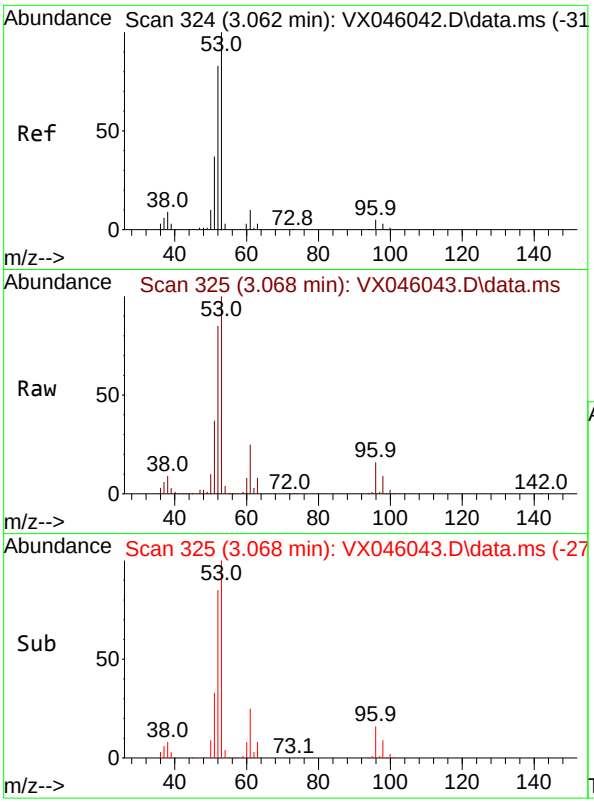


#14
Allyl chloride
Concen: 74.419 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 41 Resp: 206519

Ion	Ratio	Lower	Upper
41	100		
39	73.8	60.6	90.8
76	31.4	24.9	37.3



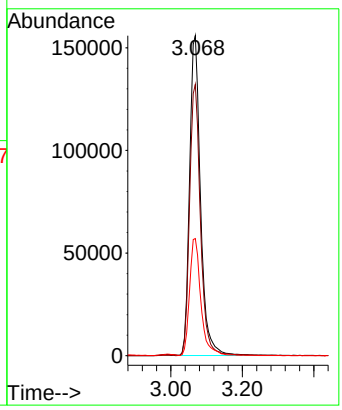


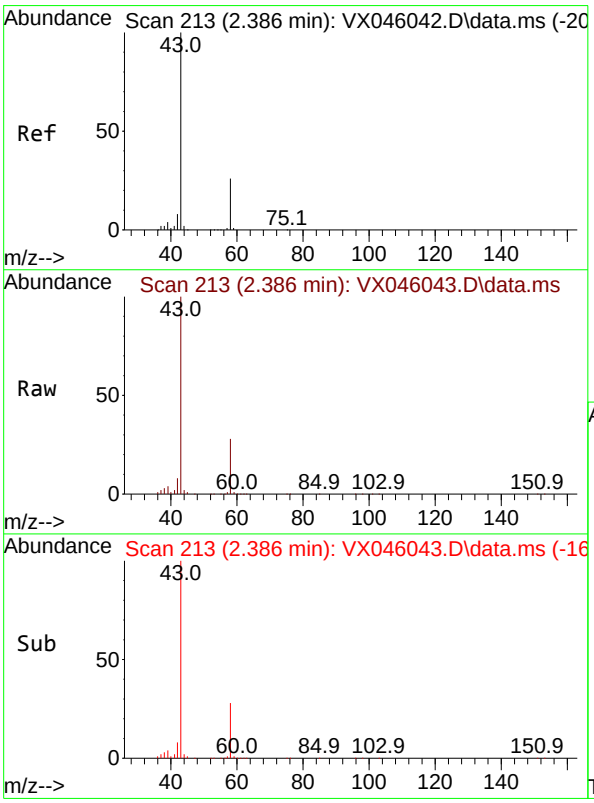
#15
Acrylonitrile
Concen: 358.723 ug/l
RT: 3.068 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 331142

Ion	Ratio	Lower	Upper
53	100		
52	84.7	65.3	97.9
51	37.9	29.8	44.8

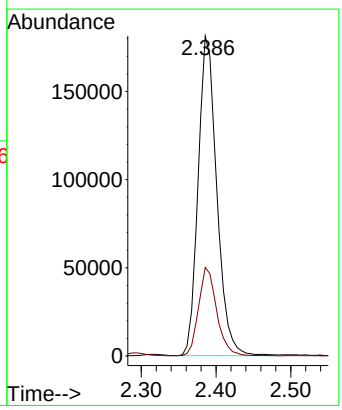


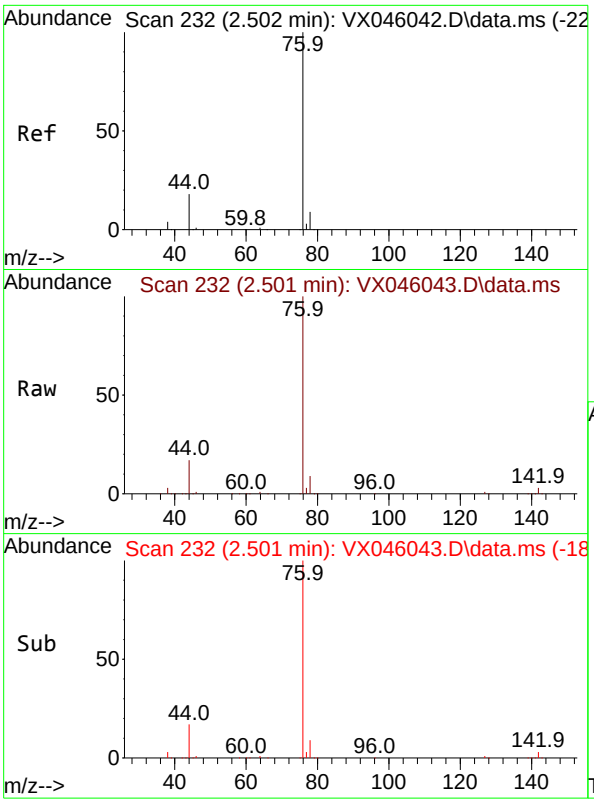


#16
Acetone
Concen: 354.936 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 314383

Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.2	31.8



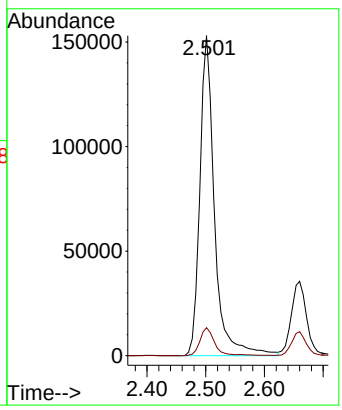


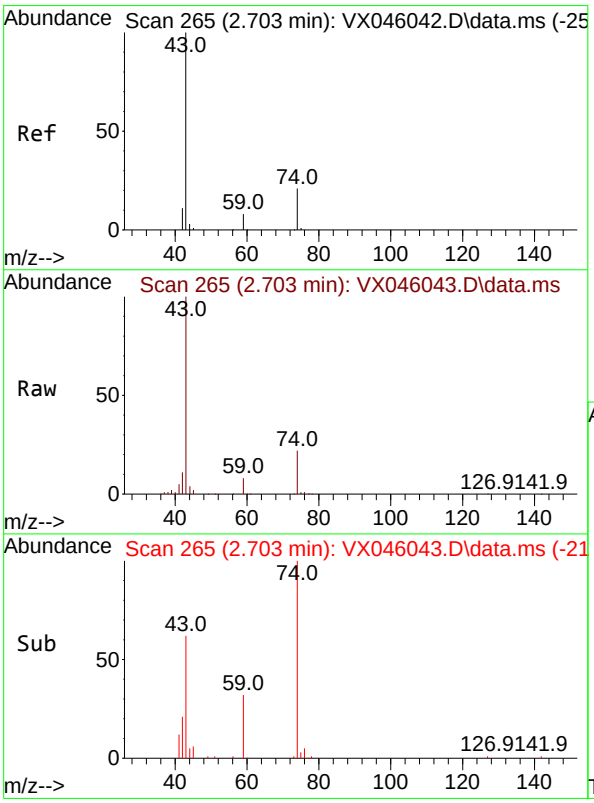
#17
Carbon Disulfide
Concen: 77.867 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 264956

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

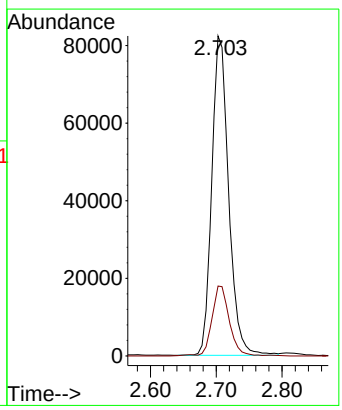


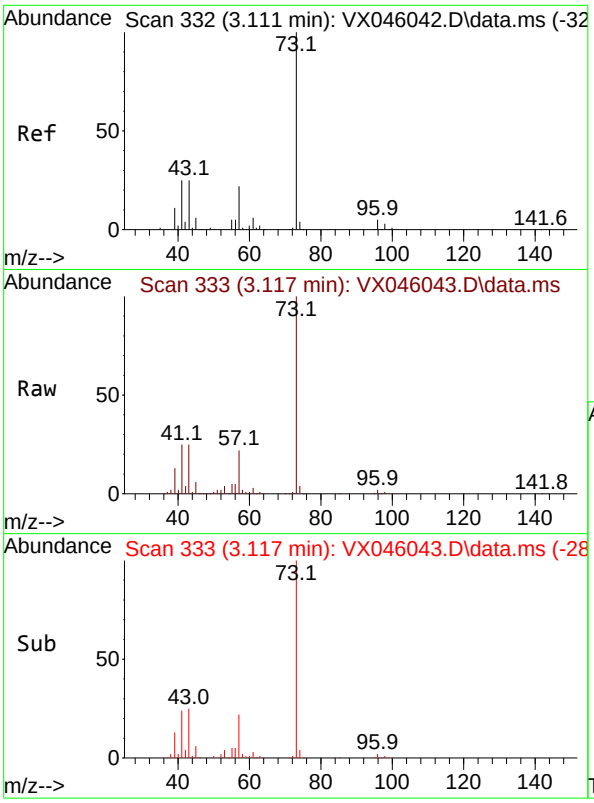


#18
Methyl Acetate
Concen: 69.531 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 147014

Ion	Ratio	Lower	Upper
43	100		
74	22.6	16.7	25.1



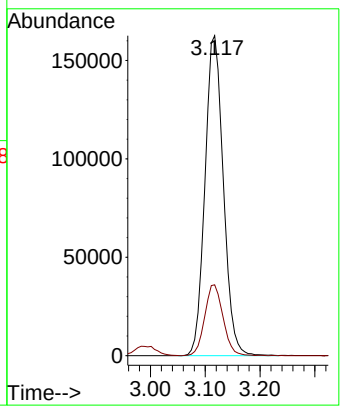


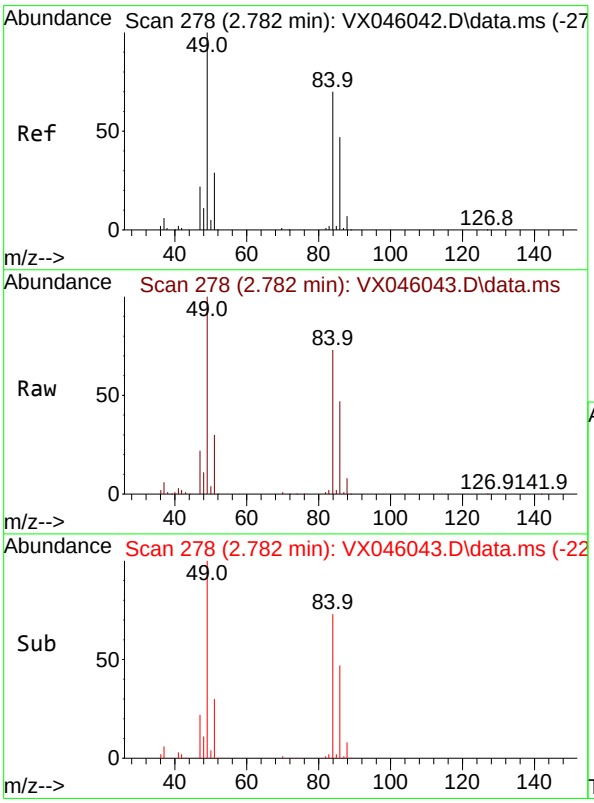
#19
Methyl tert-butyl Ether
Concen: 73.818 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 378113

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

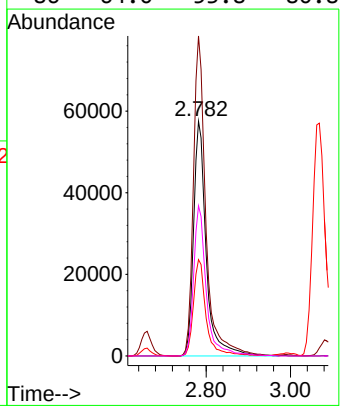


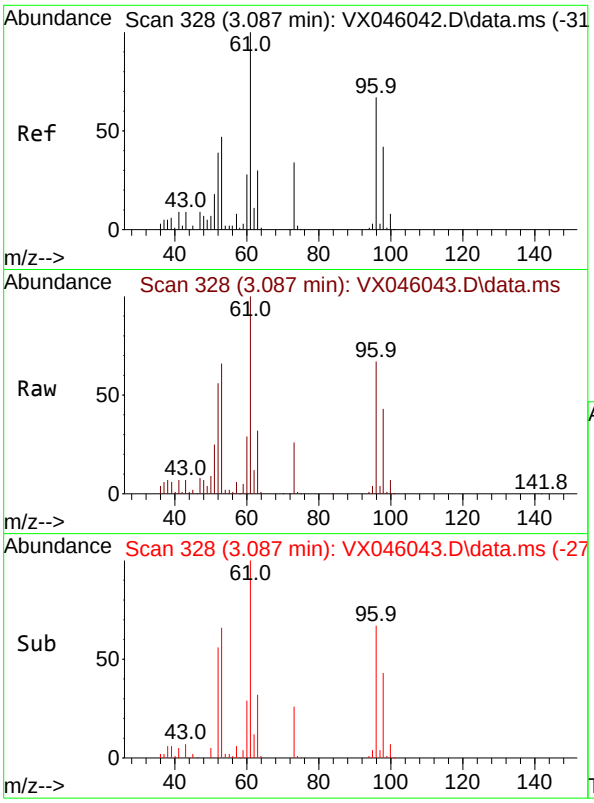


#20
Methylene Chloride
Concen: 67.030 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 84 Resp: 120270

Ion	Ratio	Lower	Upper
84	100		
49	136.4	113.9	170.9
51	41.1	33.5	50.3
86	64.0	53.8	80.8



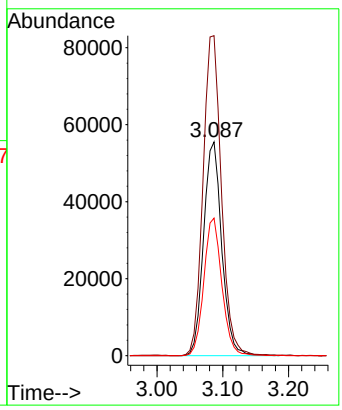


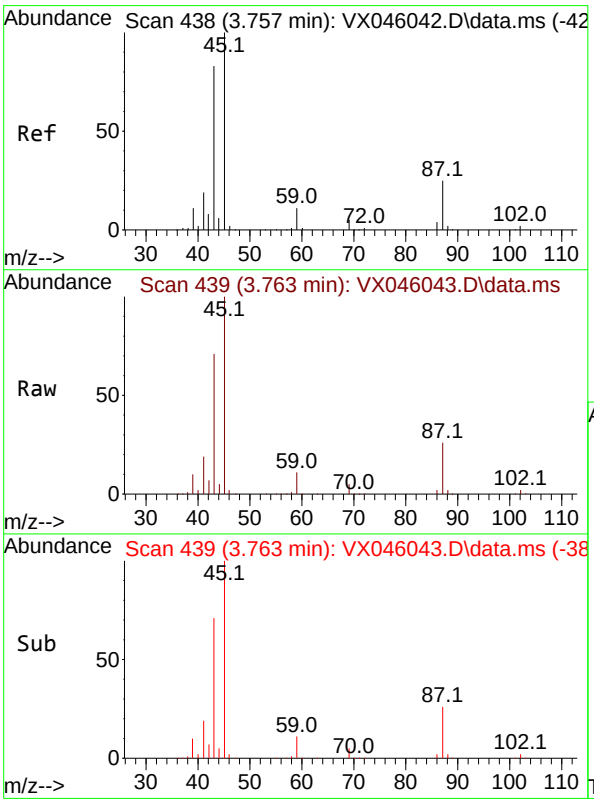
#21
trans-1,2-Dichloroethene
Concen: 71.109 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 106606

Ion	Ratio	Lower	Upper
96	100		
61	149.7	119.5	179.3
98	64.4	50.0	75.0

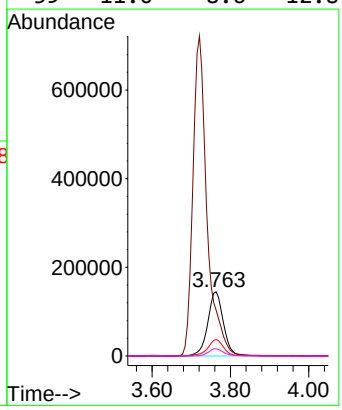


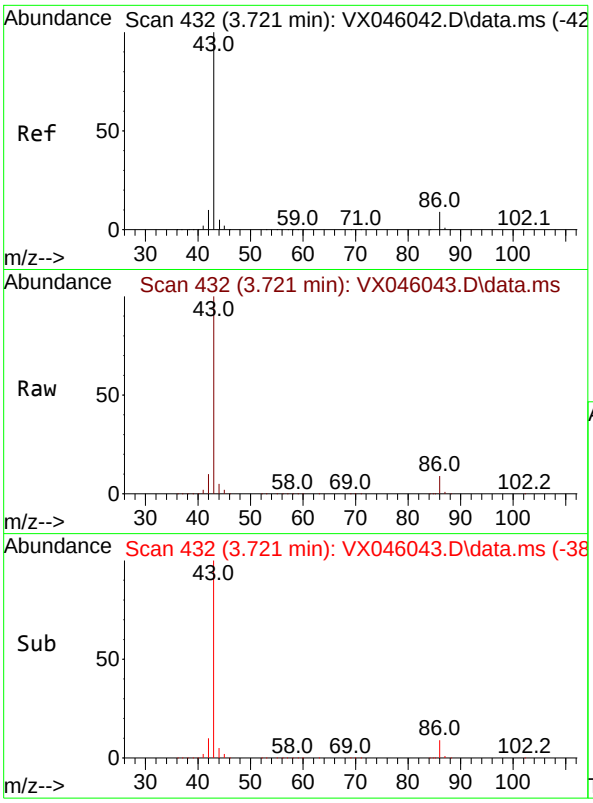


#22
Diisopropyl ether
Concen: 77.048 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 45 Resp: 399494

Ion	Ratio	Lower	Upper
45	100		
43	71.2	66.6	100.0
87	25.7	19.8	29.6
59	11.0	8.6	12.8



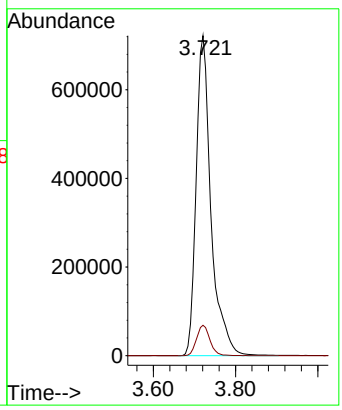


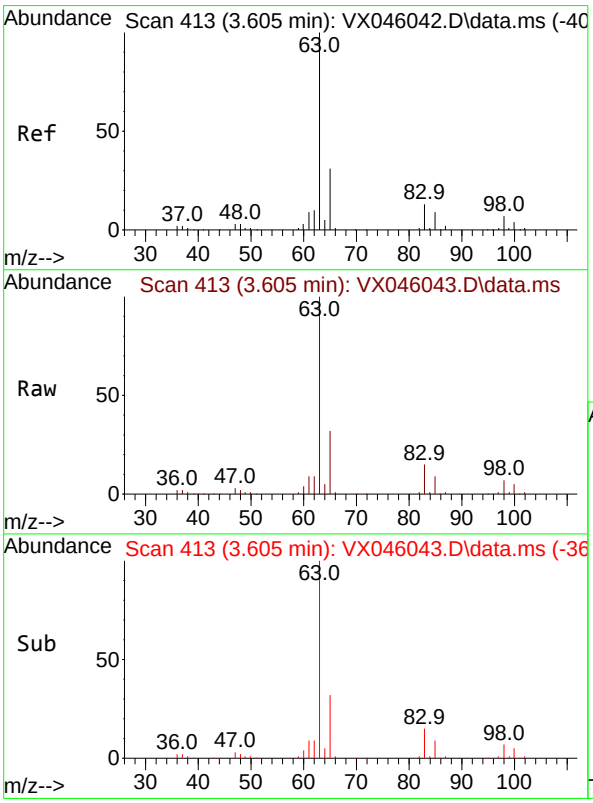
#23
Vinyl Acetate
Concen: 395.363 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1811550

Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.5	11.3

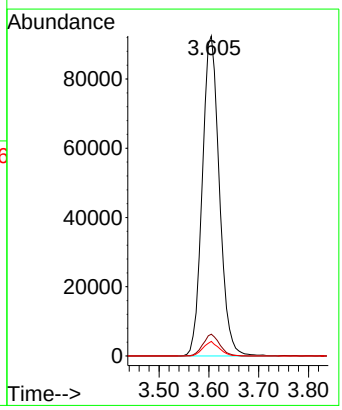


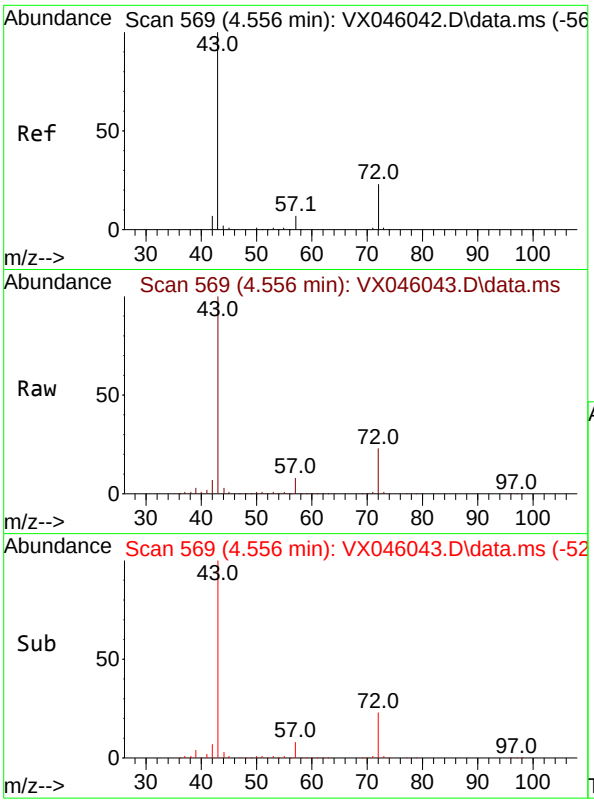


#24
1,1-Dichloroethane
Concen: 72.114 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 219759

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.6	10.8
100	4.5	2.1	6.3



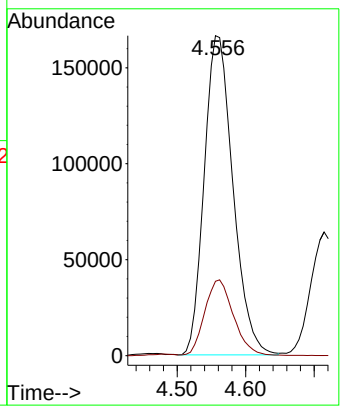


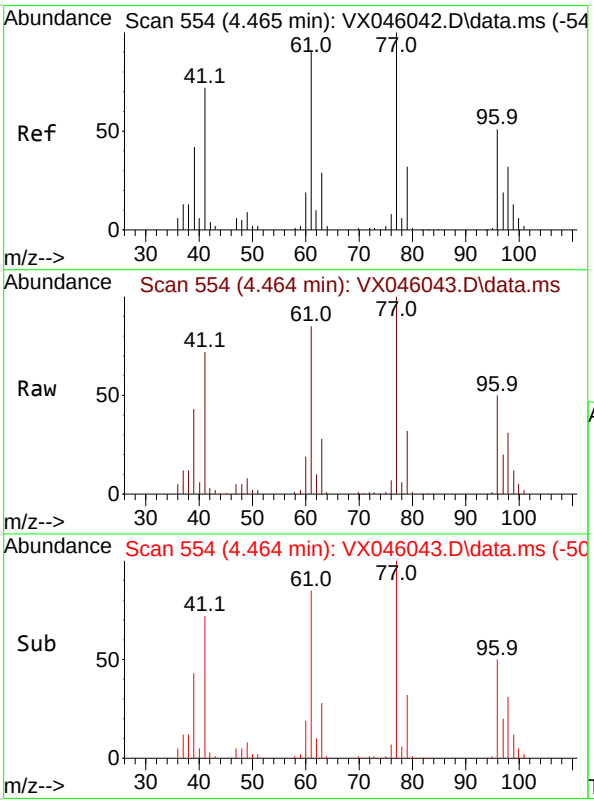
#25
2-Butanone
Concen: 379.704 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 485448

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6

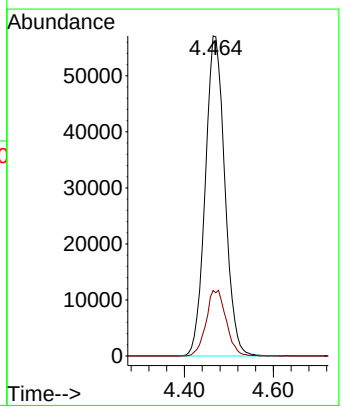


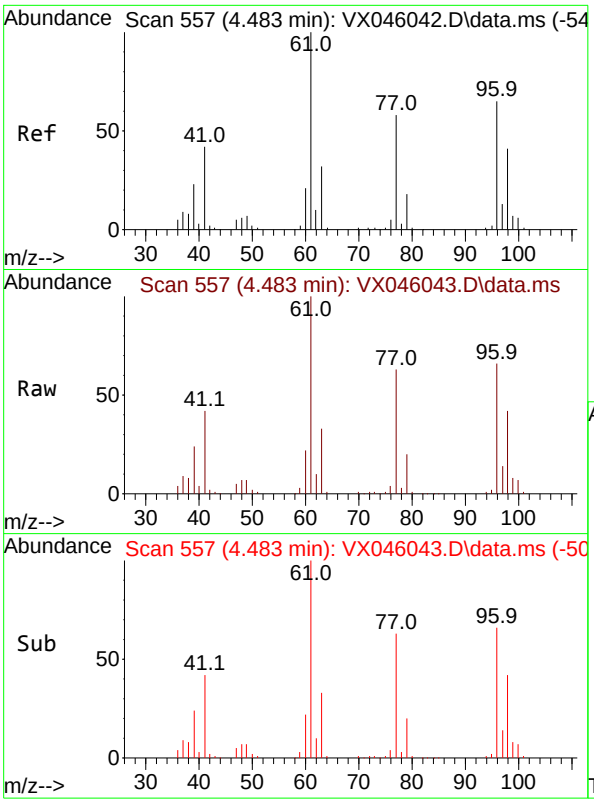


#26
2,2-Dichloropropane
Concen: 75.621 ug/l
RT: 4.464 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 77 Resp: 174579

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.5	31.5



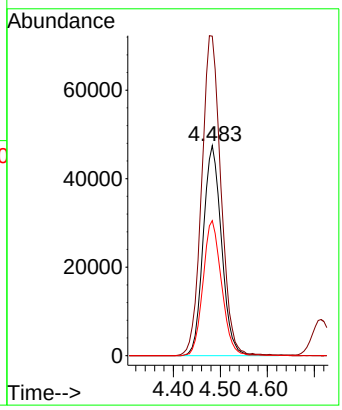


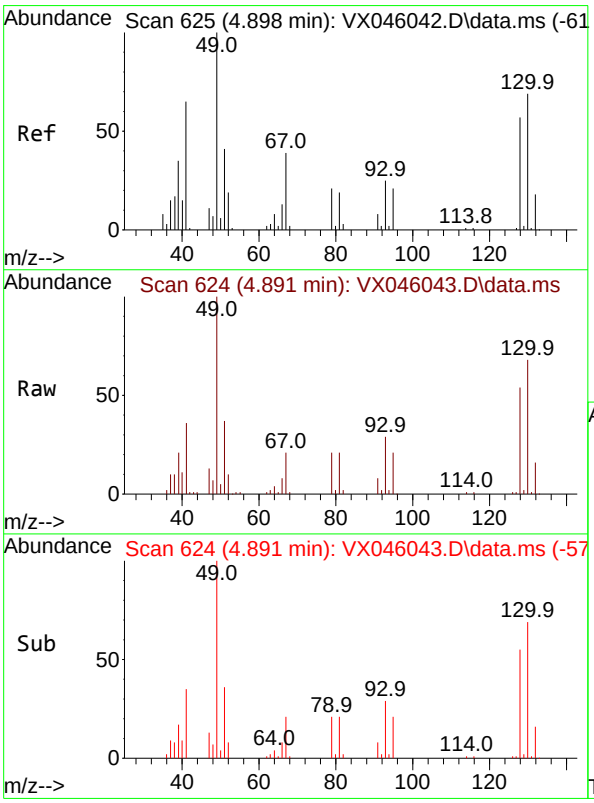
#27
cis-1,2-Dichloroethene
Concen: 71.056 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 128454

Ion	Ratio	Lower	Upper
96	100		
61	160.1	0.0	322.8
98	64.9	0.0	129.0

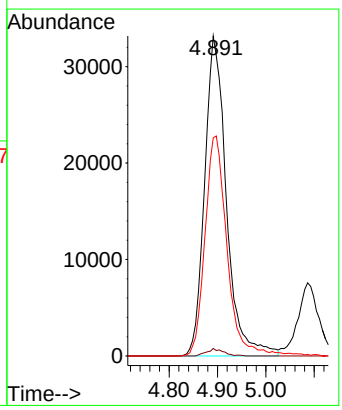


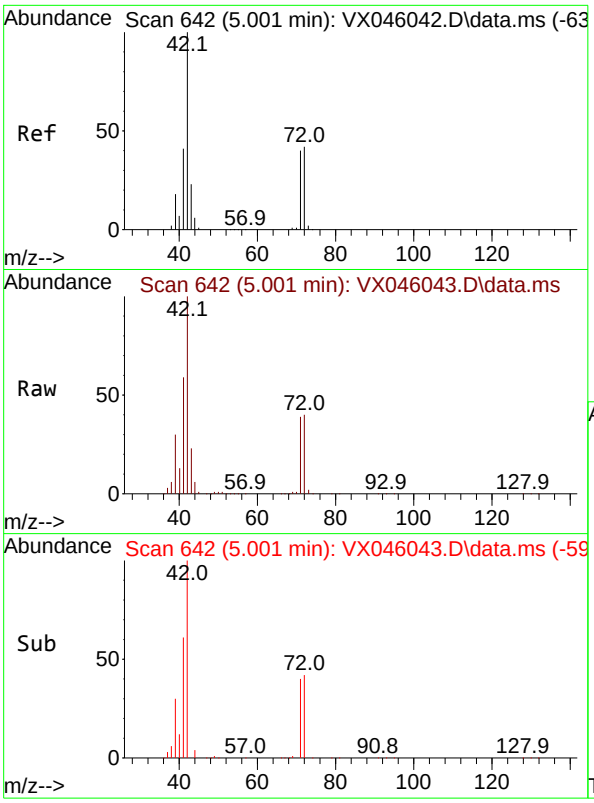


#28
Bromochloromethane
Concen: 63.932 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 49 Resp: 103602

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	70.1	56.2	84.2



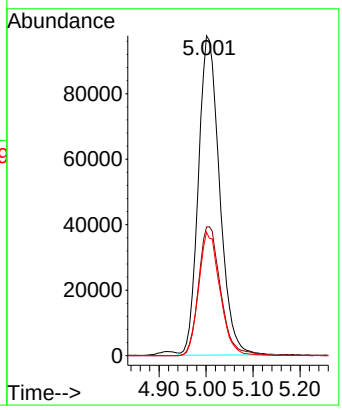


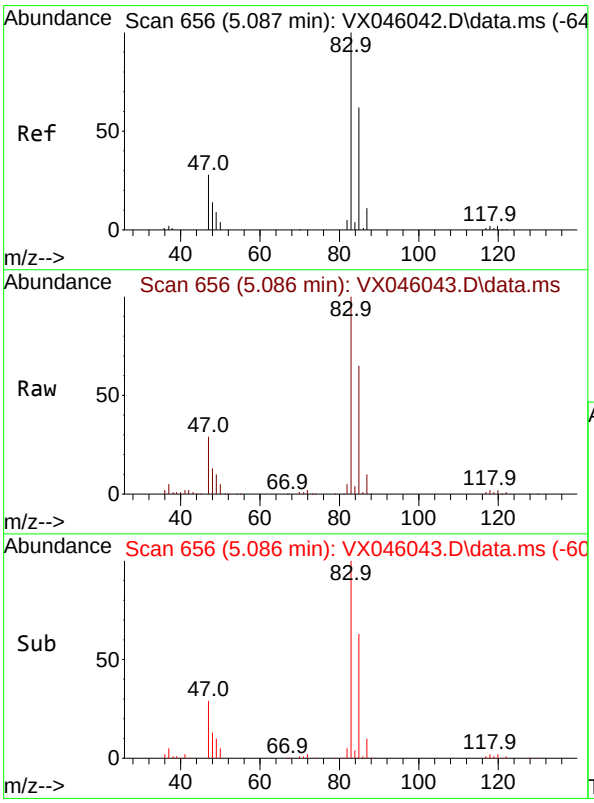
#29
Tetrahydrofuran
Concen: 368.234 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 305757

Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	38.7	31.4	47.2

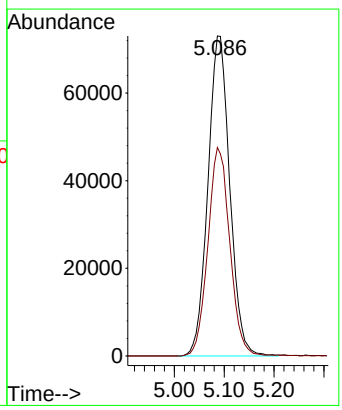


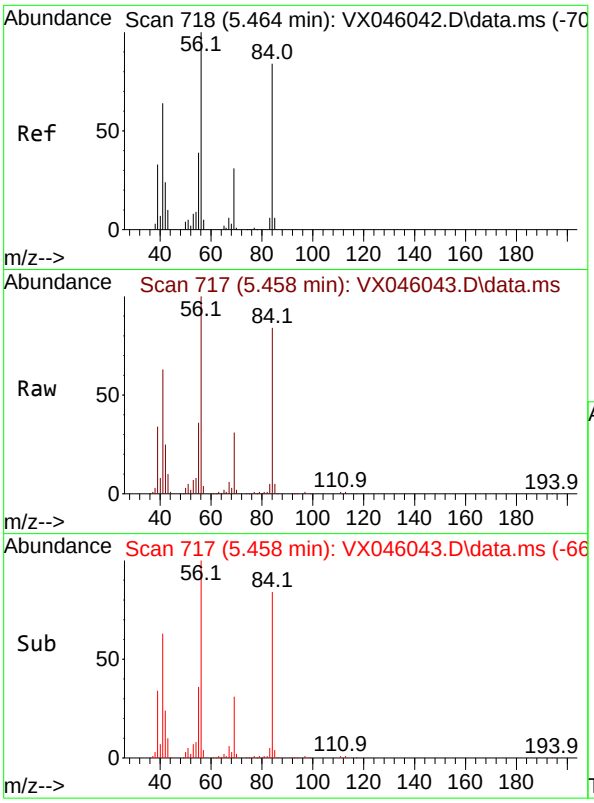


#30
Chloroform
Concen: 70.180 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 83 Resp: 222253

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.3	73.9



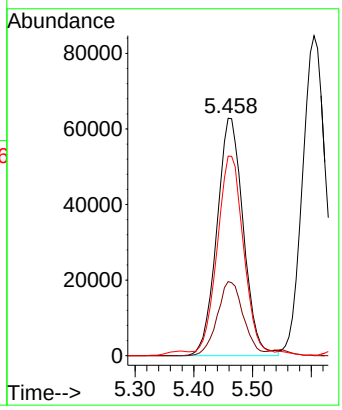


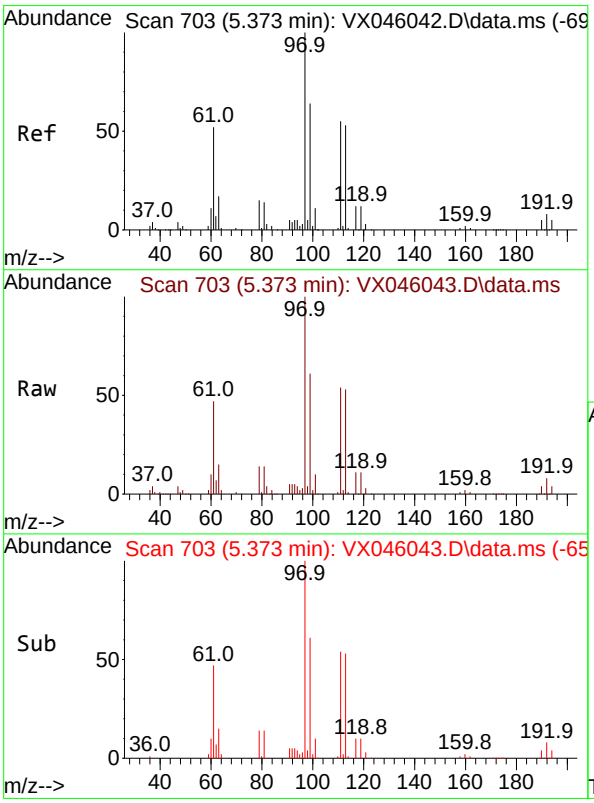
#31
Cyclohexane
Concen: 76.428 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 196302

Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.4	36.6
84	82.3	66.9	100.3

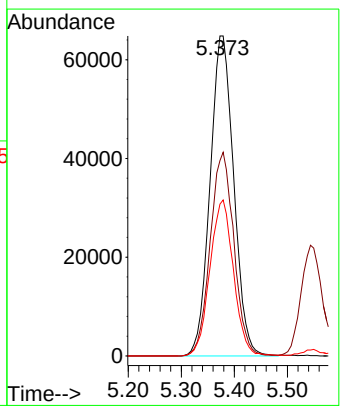


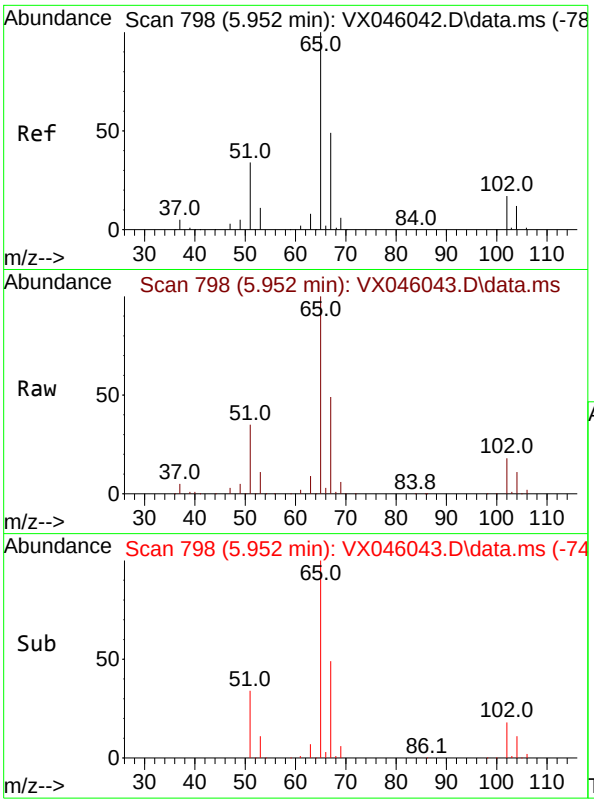


#32
1,1,1-Trichloroethane
Concen: 73.635 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 97 Resp: 201112

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.6
61	48.7	40.1	60.1



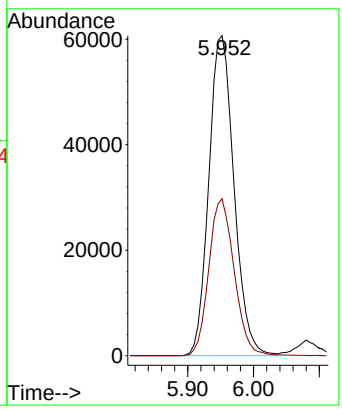


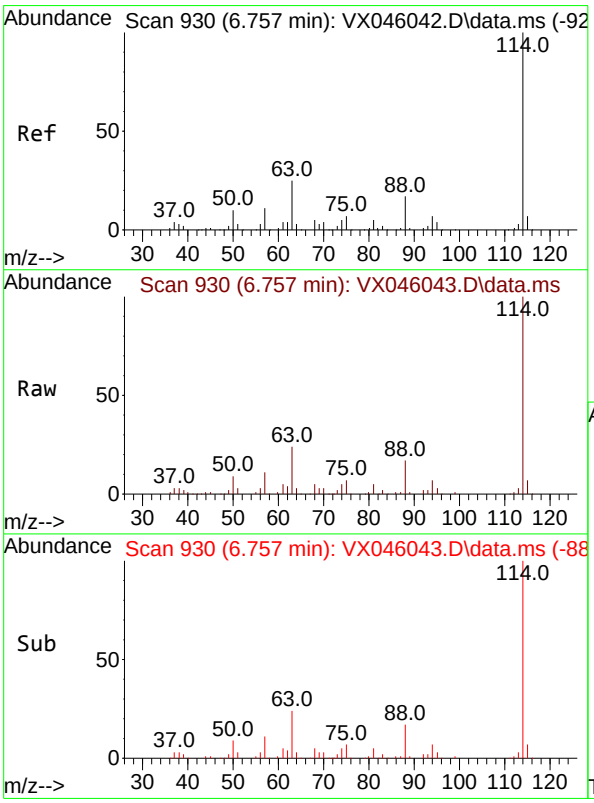
#33
1,2-Dichloroethane-d4
Concen: 62.526 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 161877

Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	99.0

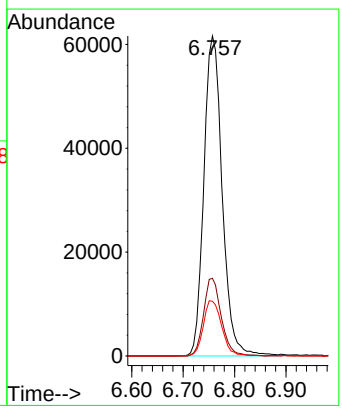


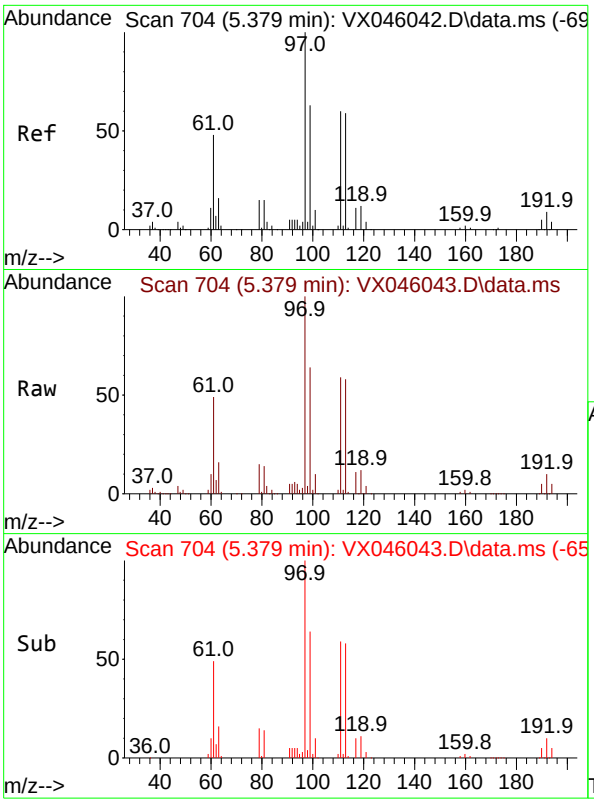


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:114 Resp: 152958

Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	49.2
88	17.1	0.0	33.6



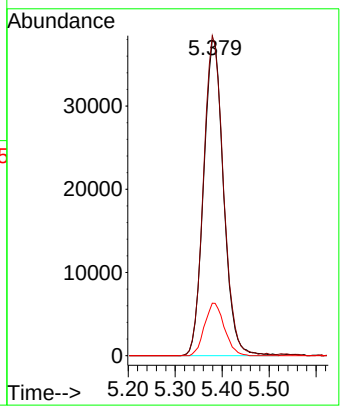


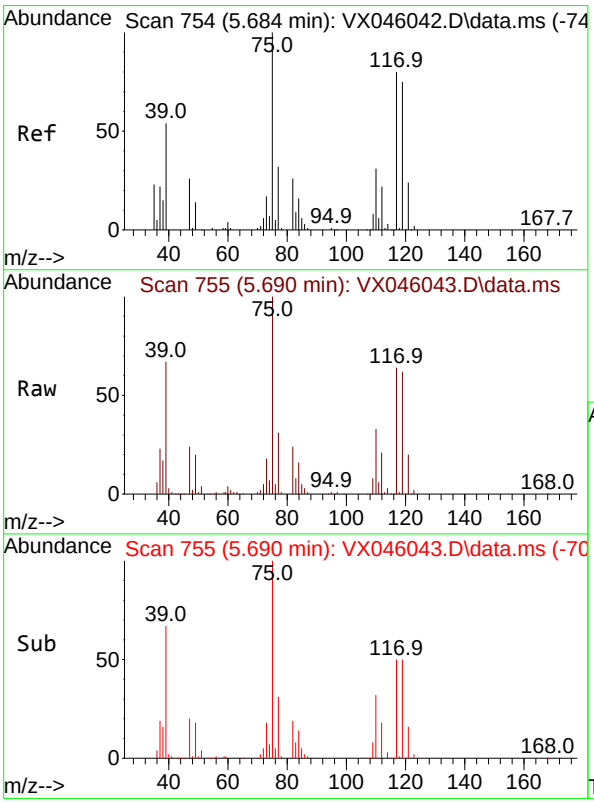
#35
Dibromofluoromethane
Concen: 65.006 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 111455

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.1	124.7
192	16.6	13.3	19.9

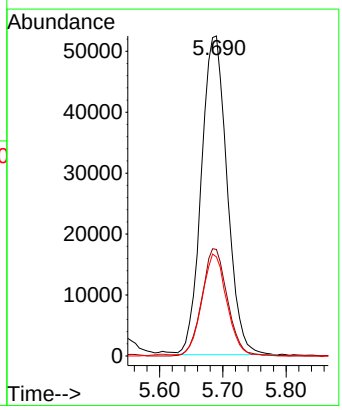


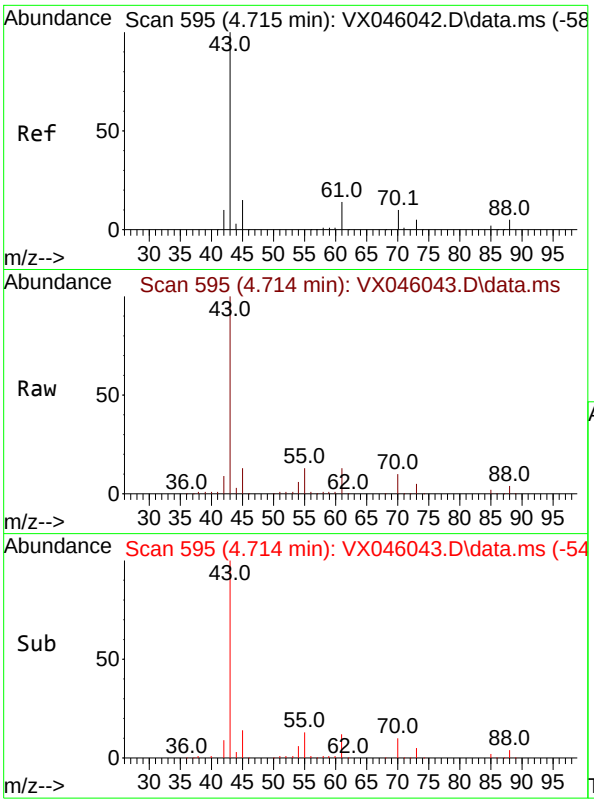


#36
1,1-Dichloropropene
Concen: 74.285 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 147873

Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.3	48.9
77	31.1	24.3	36.5



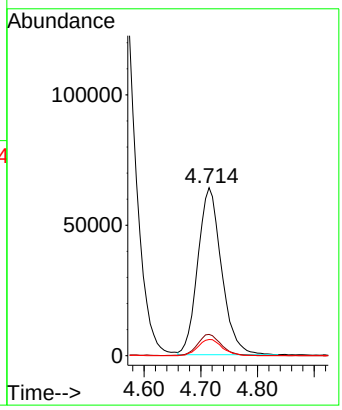


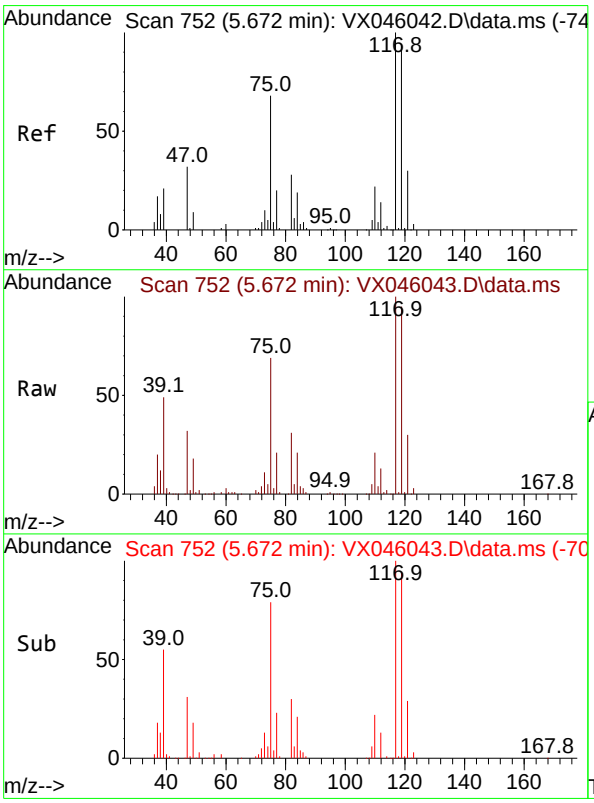
#37
Ethyl Acetate
Concen: 74.565 ug/l
RT: 4.714 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 186215

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.3	15.5
70	9.9	7.9	11.9

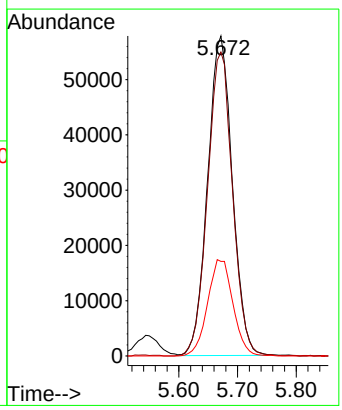


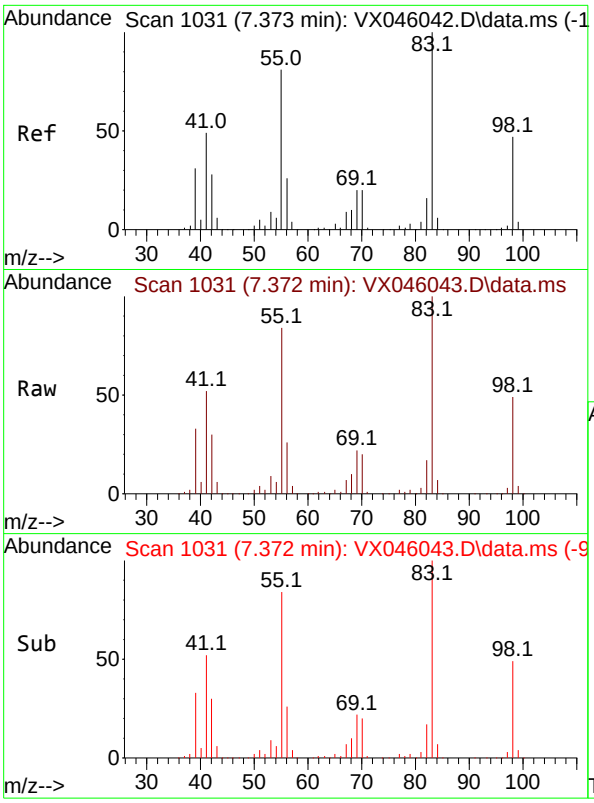


#38
Carbon Tetrachloride
Concen: 73.875 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 168946

Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.2	112.8
121	29.6	24.2	36.4



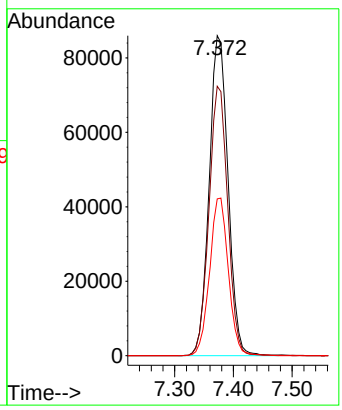


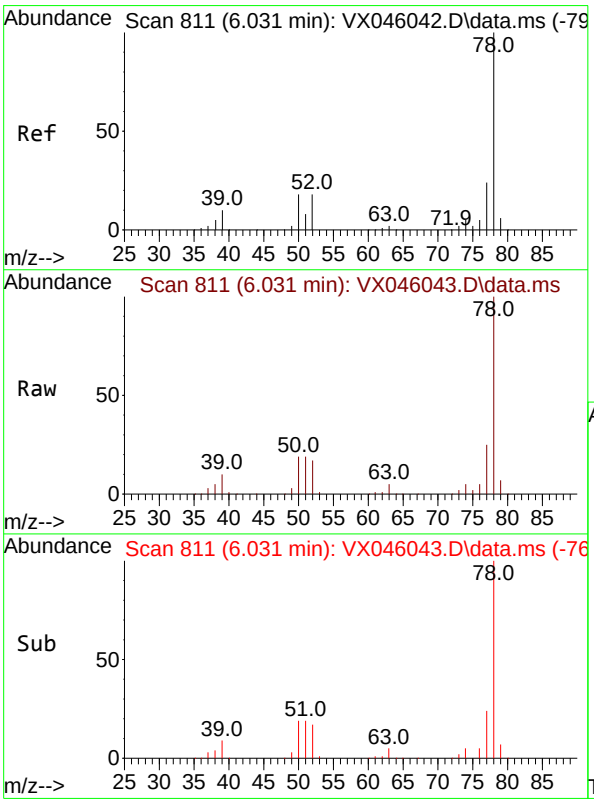
#39
Methylcyclohexane
Concen: 76.952 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 191941

Ion	Ratio	Lower	Upper
83	100		
55	84.2	64.7	97.1
98	49.0	37.4	56.2

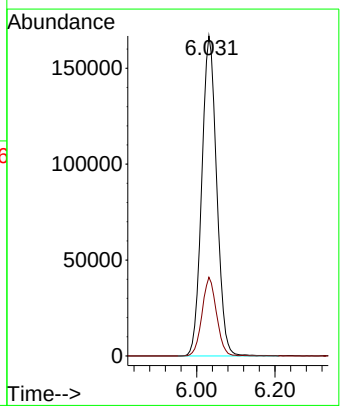


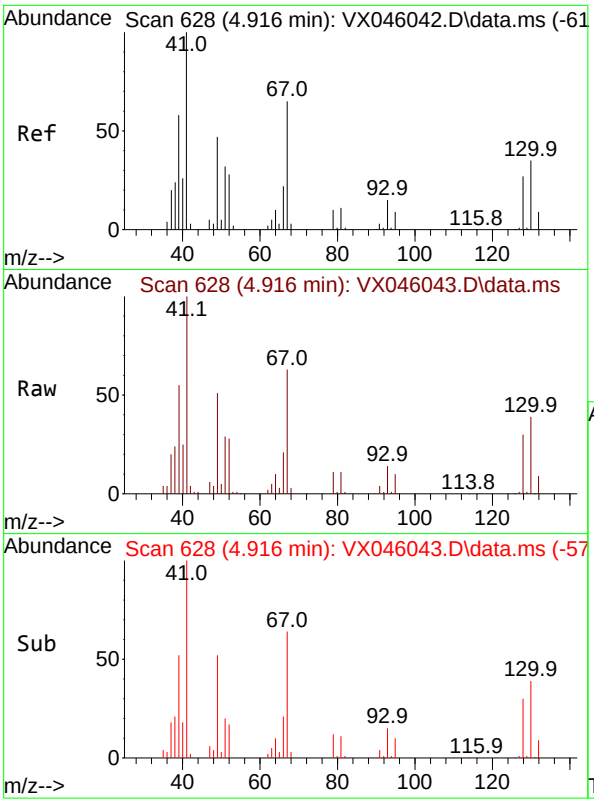


#40
Benzene
Concen: 71.457 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 78 Resp: 440885

Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4



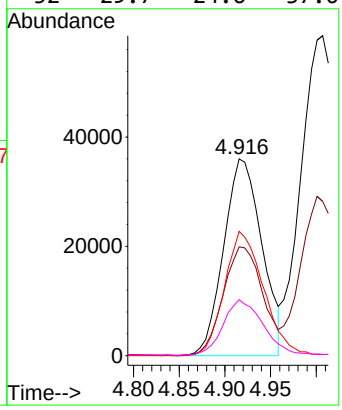


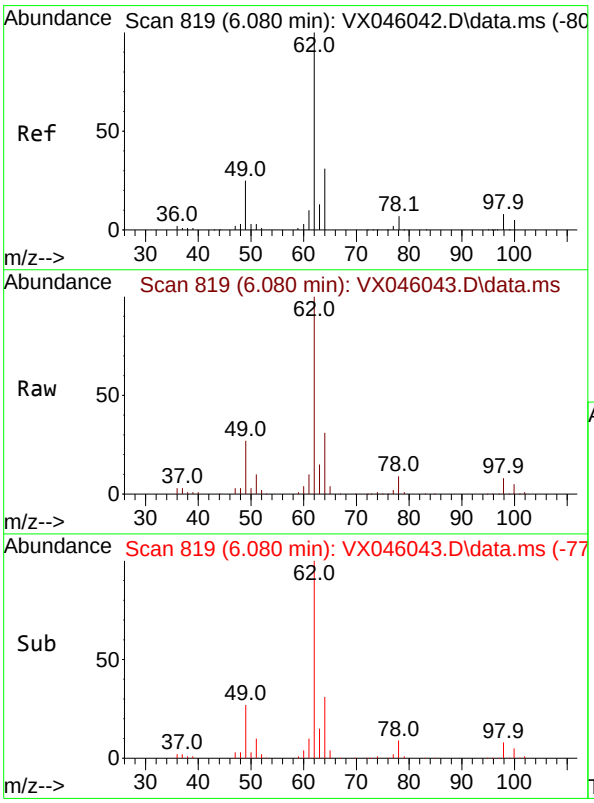
#41
Methacrylonitrile
Concen: 75.574 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 104863

Ion	Ratio	Lower	Upper
41	100		
39	57.0	47.2	70.8
67	64.6	50.7	76.1
52	29.7	24.6	37.0

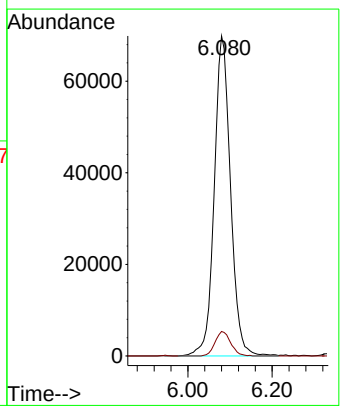


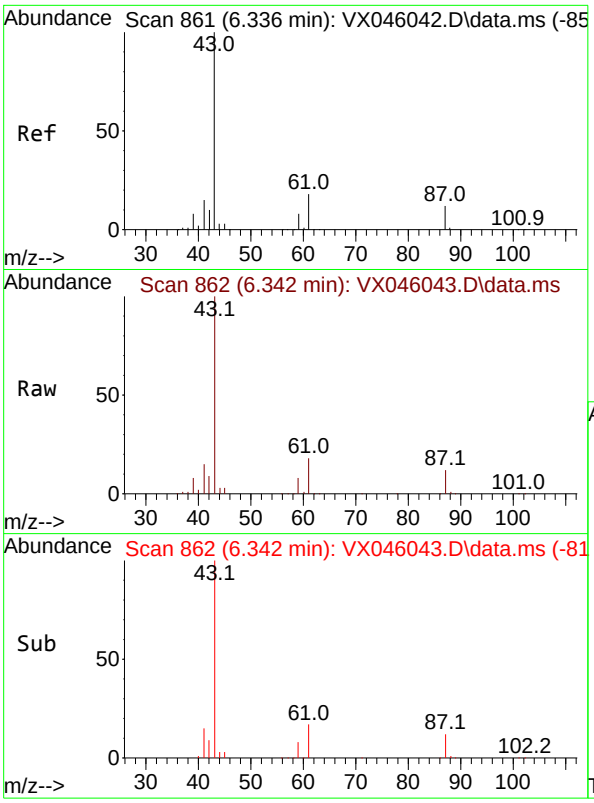


#42
1,2-Dichloroethane
Concen: 73.318 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 62 Resp: 187036

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2



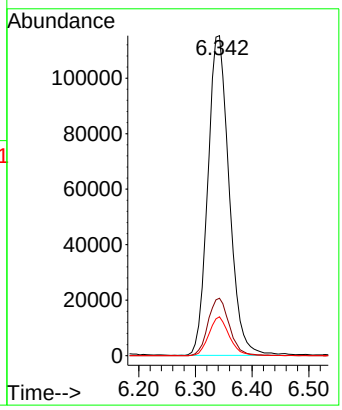


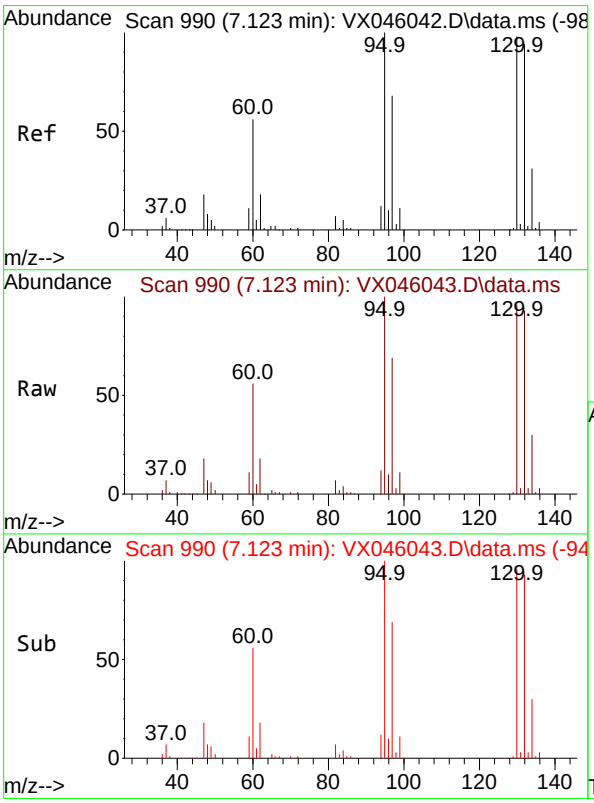
#43
Isopropyl Acetate
Concen: 78.714 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 300491

Ion	Ratio	Lower	Upper
43	100		
61	18.0	14.3	21.5
87	11.6	9.5	14.3

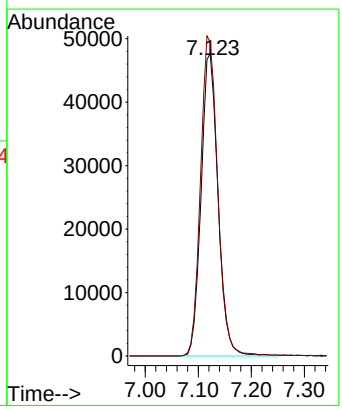


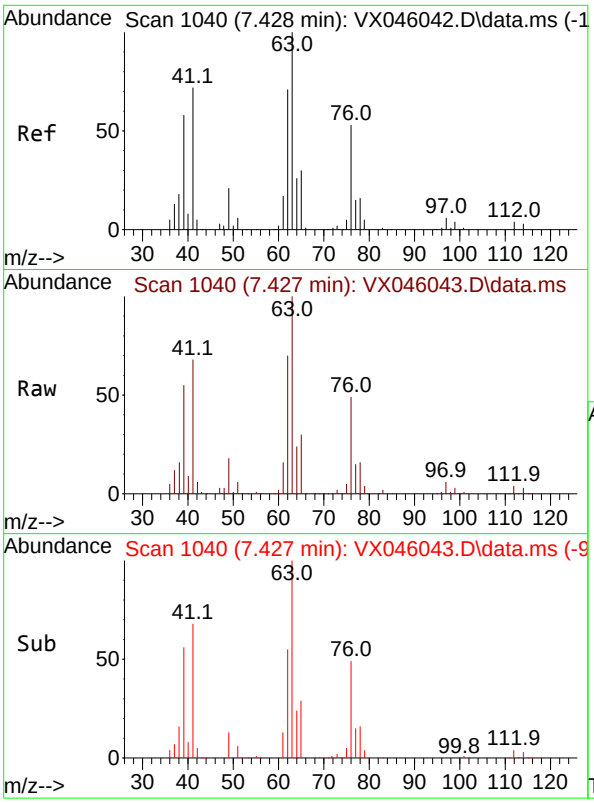


#44
Trichloroethene
Concen: 72.420 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:130 Resp: 105628

Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	204.2



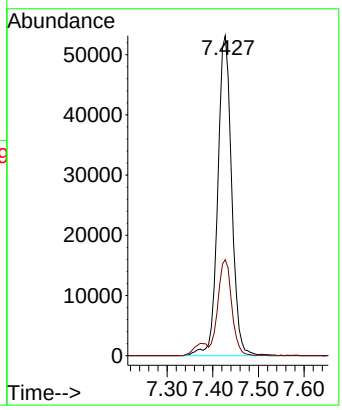


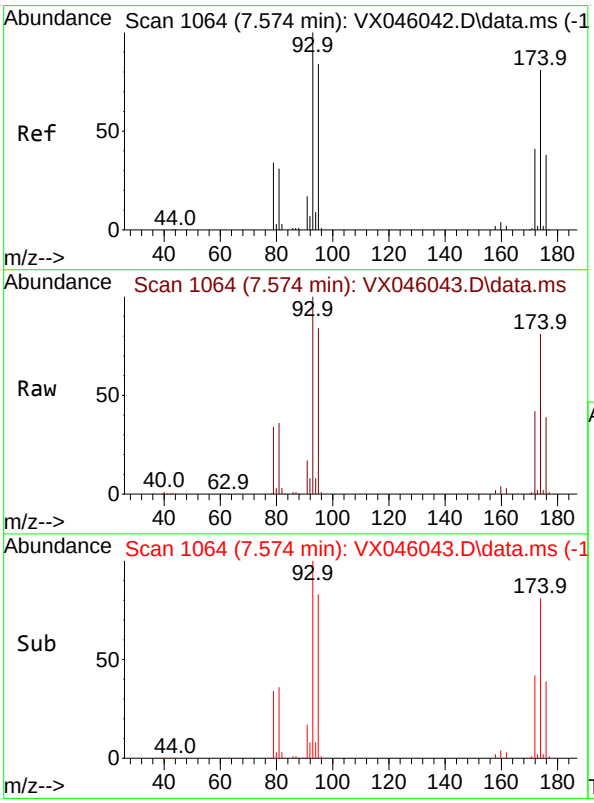
#45
1,2-Dichloropropane
Concen: 73.420 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 112554

Ion	Ratio	Lower	Upper
63	100		
65	30.0	24.1	36.1

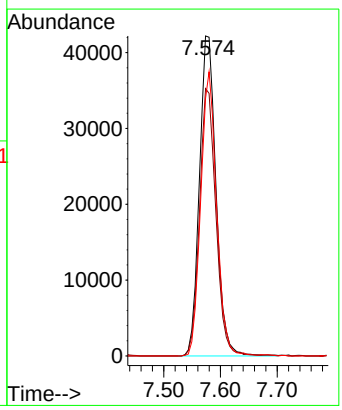


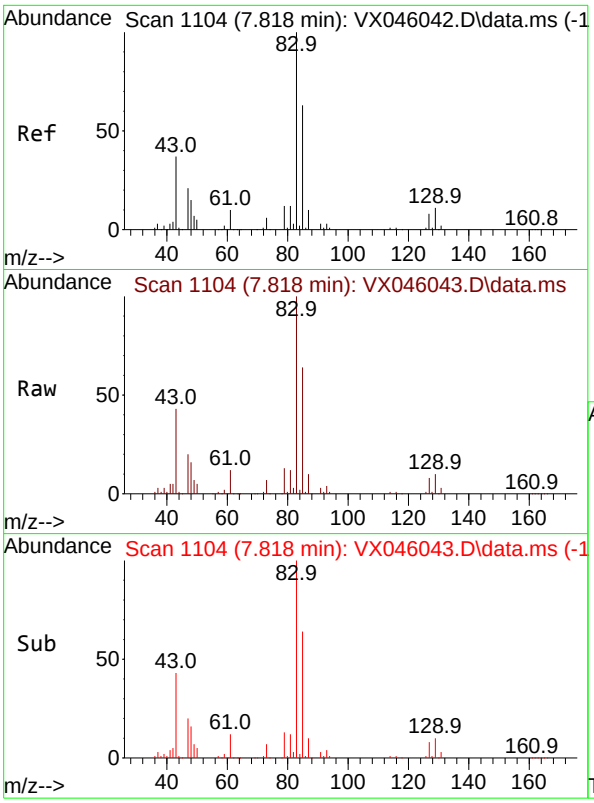


#46
Dibromomethane
Concen: 70.938 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 93 Resp: 85728

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.6	98.4
174	85.0	68.2	102.2



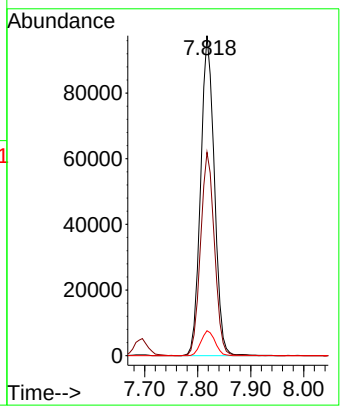


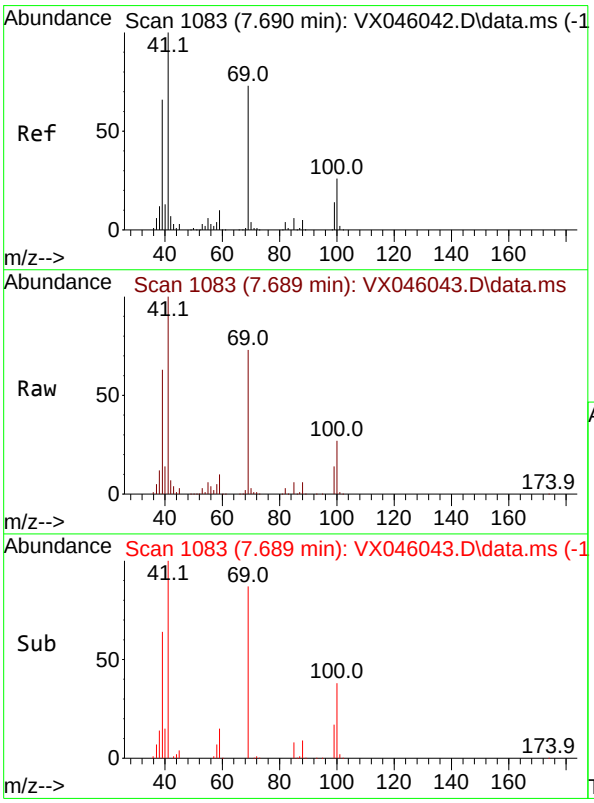
#47
Bromodichloromethane
Concen: 74.845 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 175301

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.5	75.7
127	7.8	6.5	9.7

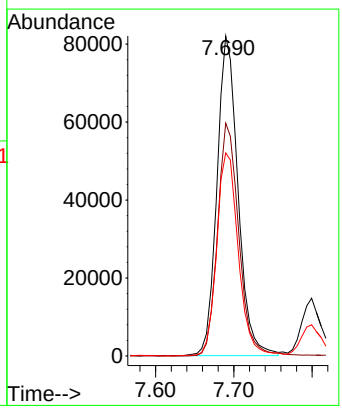


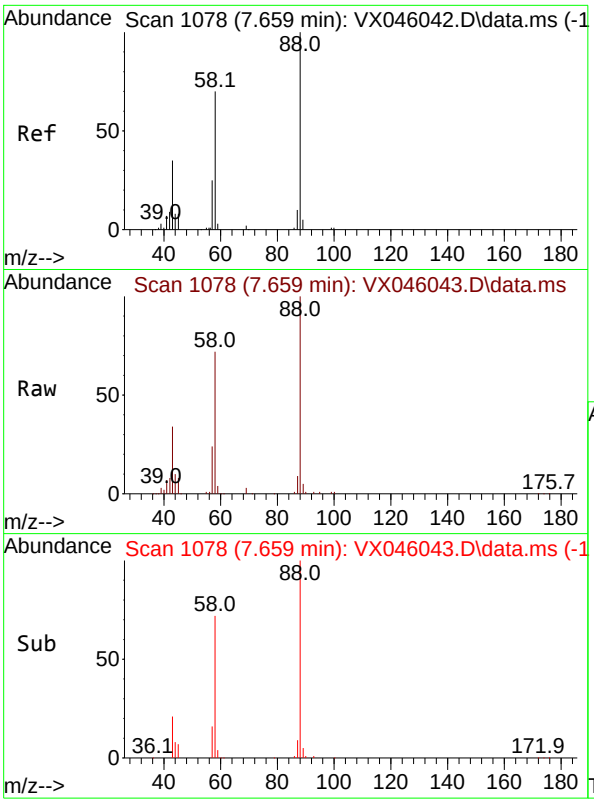


#48
Methyl methacrylate
Concen: 78.101 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 41 Resp: 153093

Ion	Ratio	Lower	Upper
41	100		
69	74.1	58.5	87.7
39	65.5	51.7	77.5



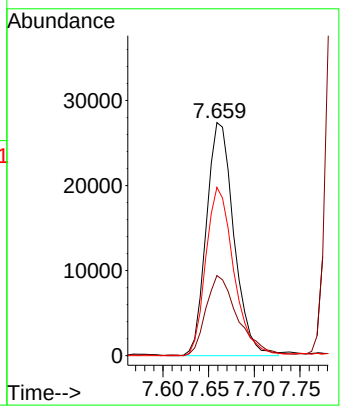


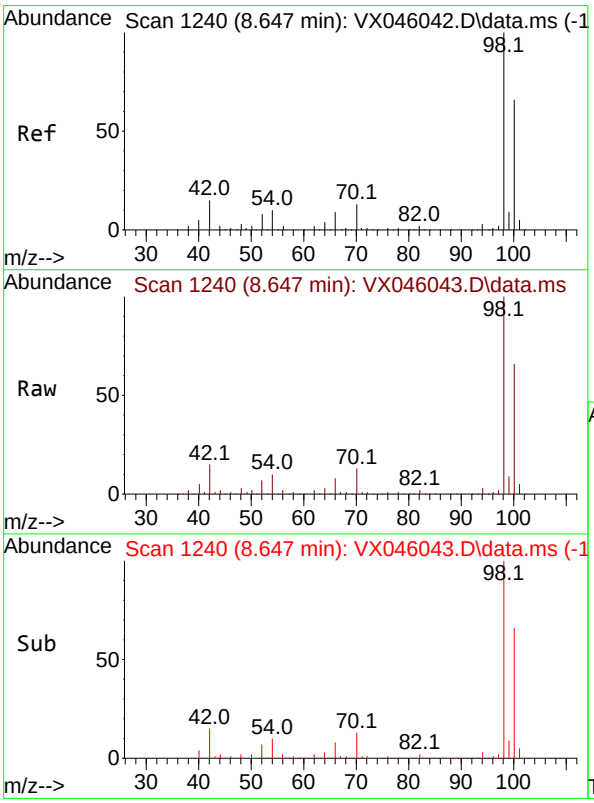
#49
1,4-Dioxane
Concen: 1470.687 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 57313

Ion	Ratio	Lower	Upper
88	100		
43	40.1	33.4	50.2
58	73.3	58.6	88.0

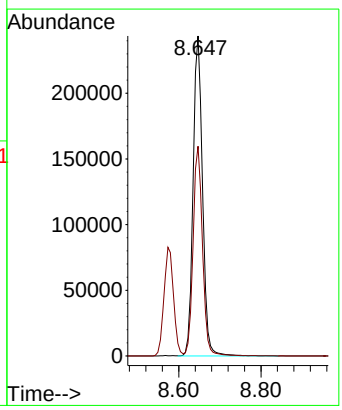


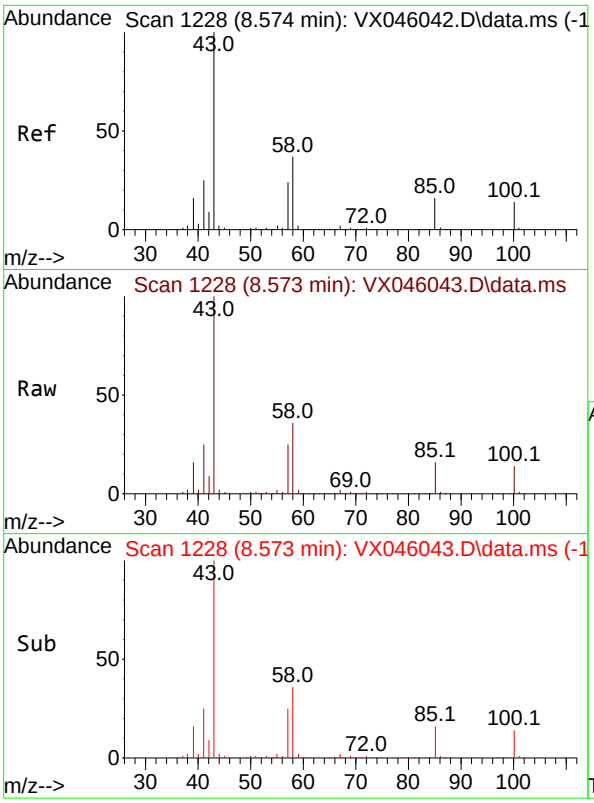


#50
Toluene-d8
Concen: 67.031 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 98 Resp: 387230

Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.5	80.3



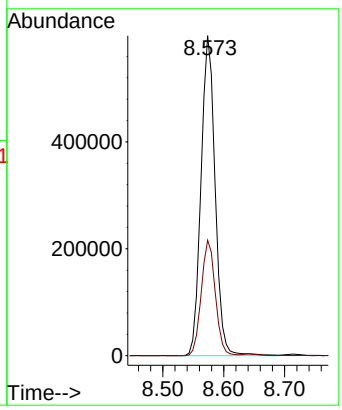


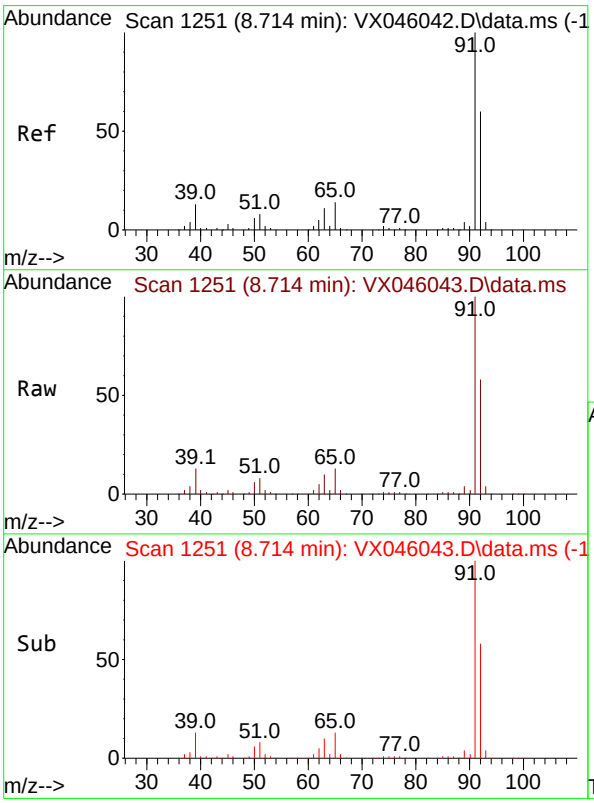
#51
4-Methyl-2-Pentanone
Concen: 384.740 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 963319

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3

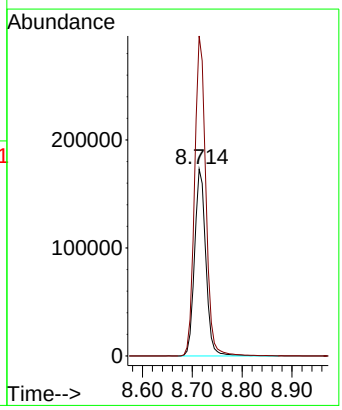


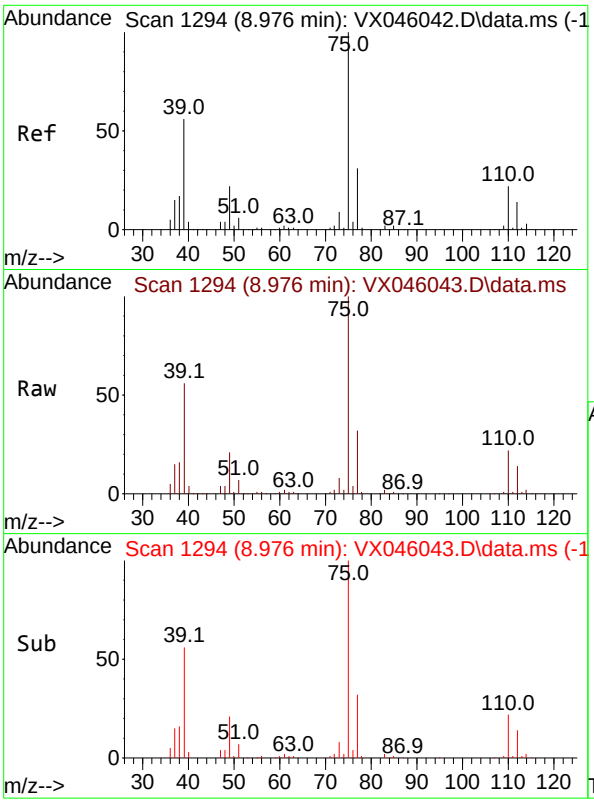


#52
Toluene
Concen: 74.010 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 92 Resp: 270763

Ion	Ratio	Lower	Upper
92	100		
91	171.2	136.6	205.0



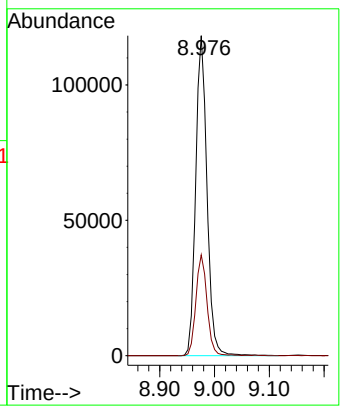


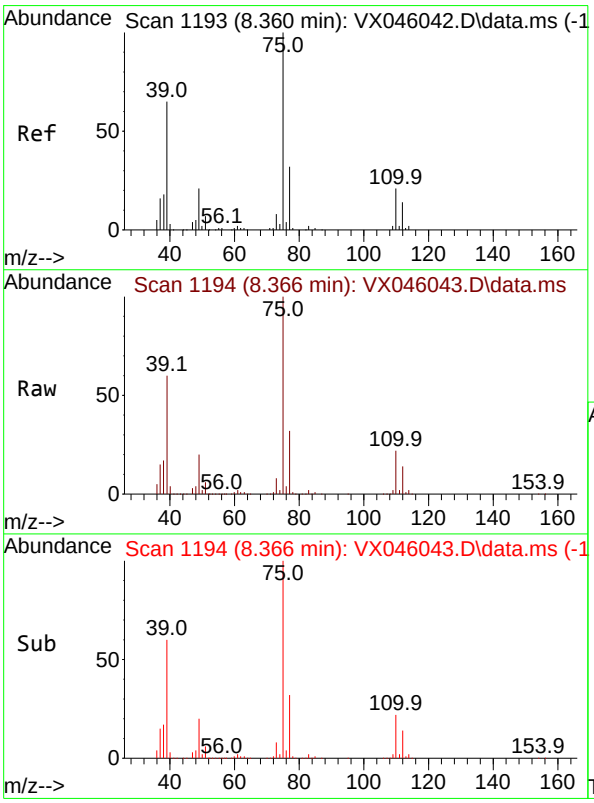
#53
t-1,3-Dichloropropene
Concen: 86.372 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 169863

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6

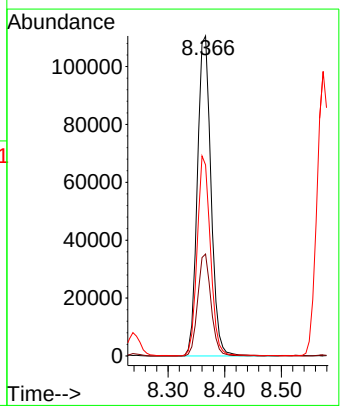


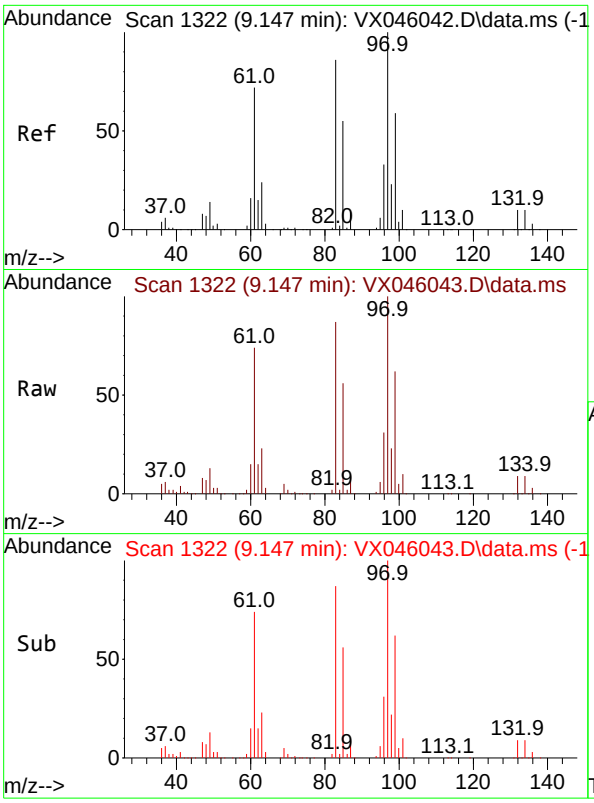


#54
cis-1,3-Dichloropropene
Concen: 80.264 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 184134

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	59.6	52.2	78.4



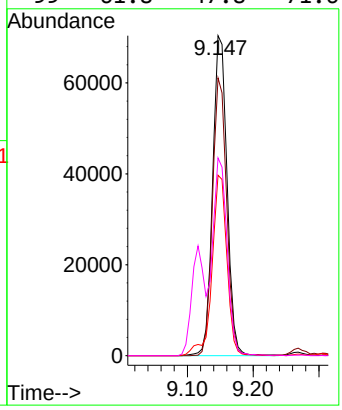


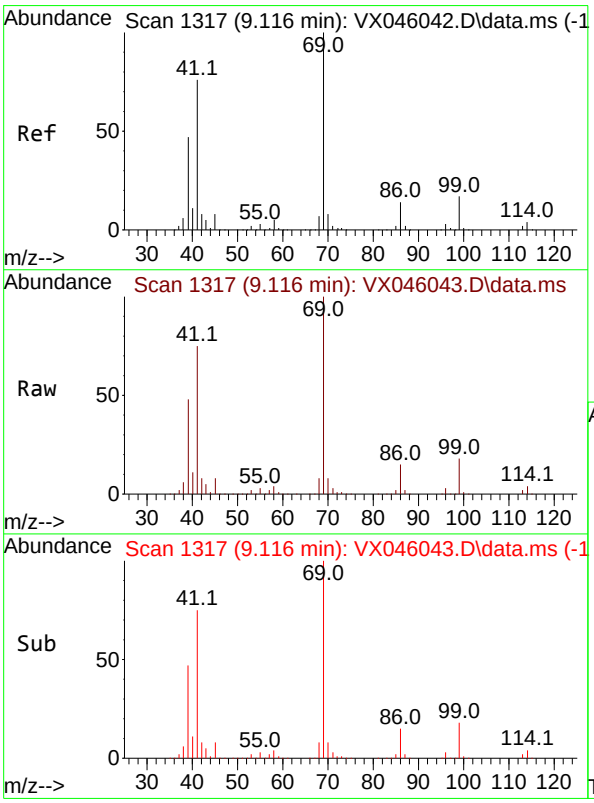
#55
1,1,2-Trichloroethane
Concen: 72.543 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 107264

Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.0	103.6
85	56.4	44.3	66.5
99	61.8	47.8	71.6

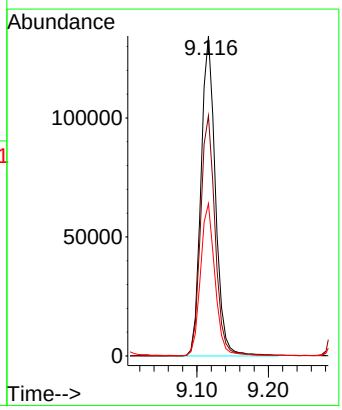


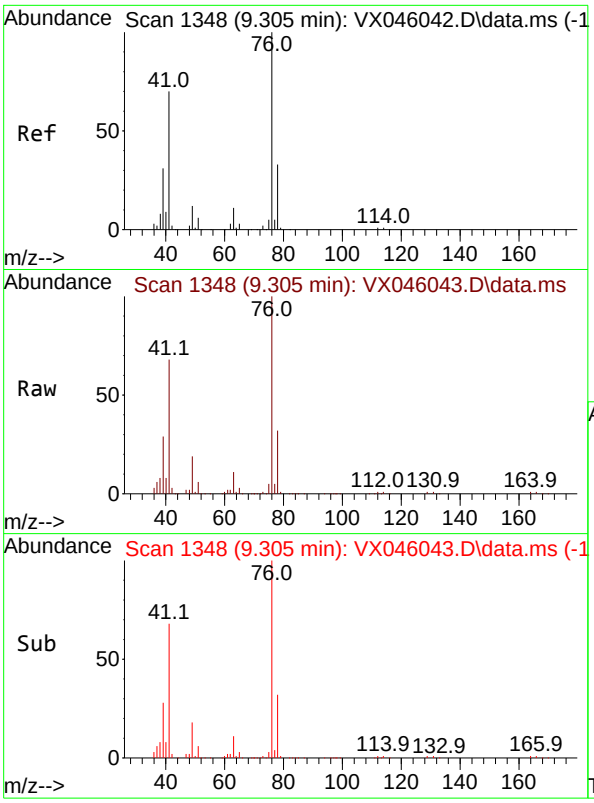


#56
Ethyl methacrylate
Concen: 82.359 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 69 Resp: 188717

Ion	Ratio	Lower	Upper
69	100		
41	75.7	60.8	91.2
39	47.7	39.0	58.6



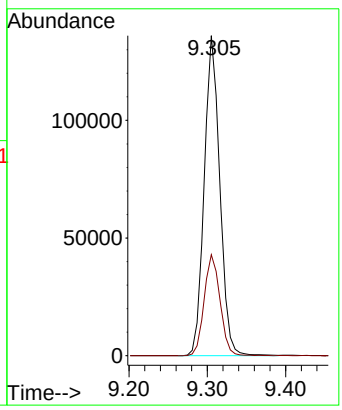


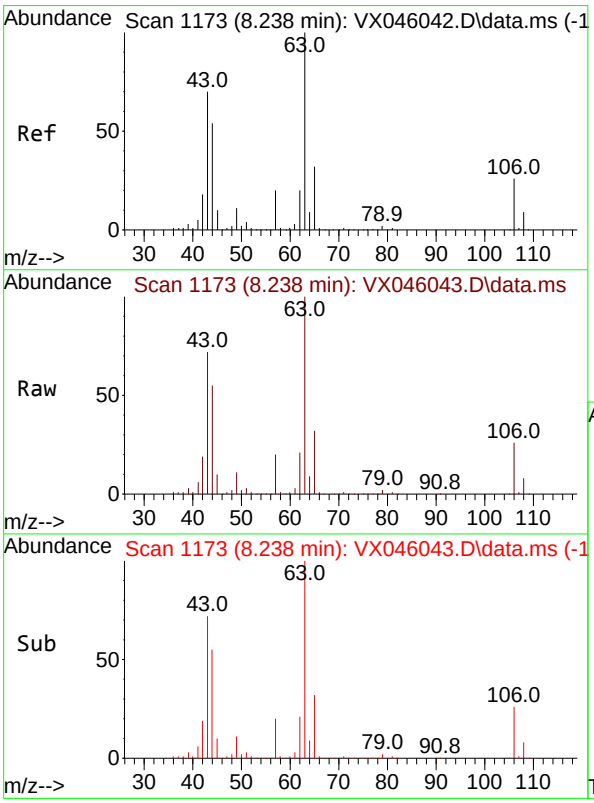
#57
1,3-Dichloropropane
Concen: 71.590 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 187649

Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.3	39.5

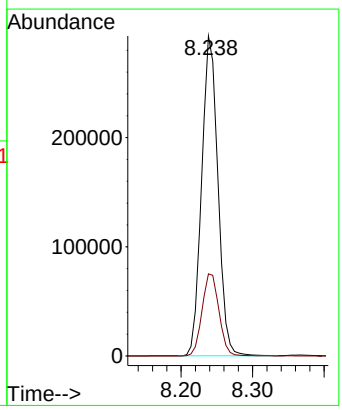


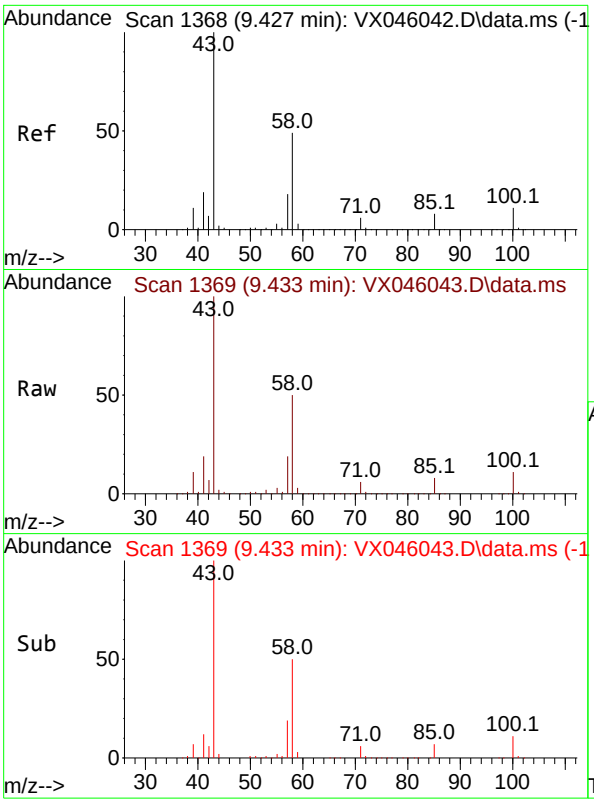


#58
2-Chloroethyl Vinyl ether
Concen: 449.791 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 63 Resp: 463169

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3



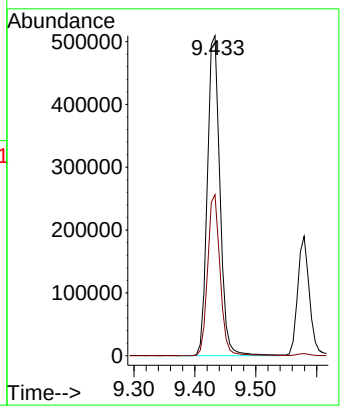


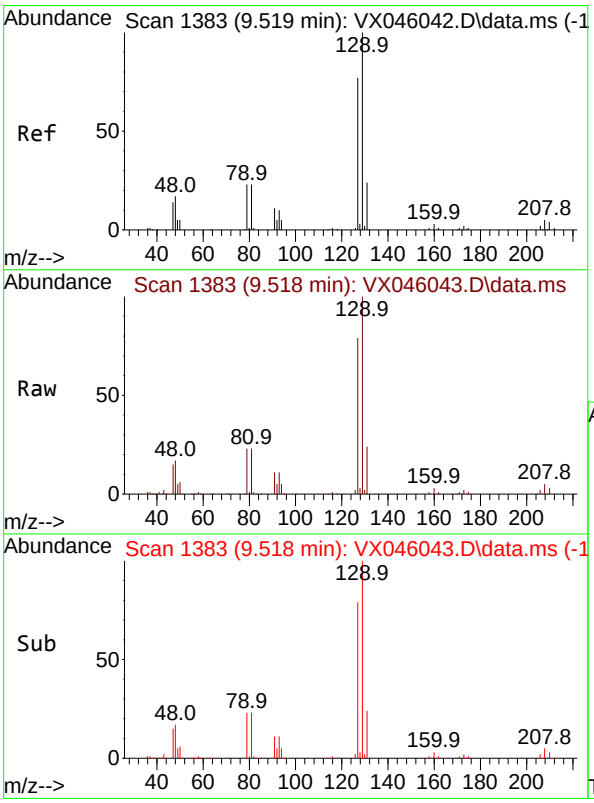
#59
2-Hexanone
Concen: 383.945 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 729602

Ion	Ratio	Lower	Upper
43	100		
58	49.9	24.9	74.6

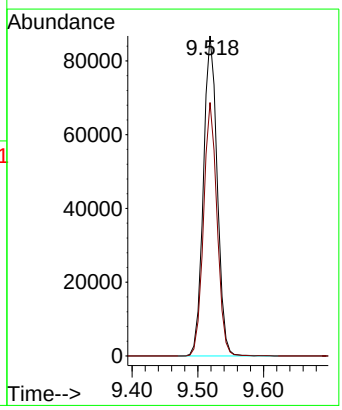


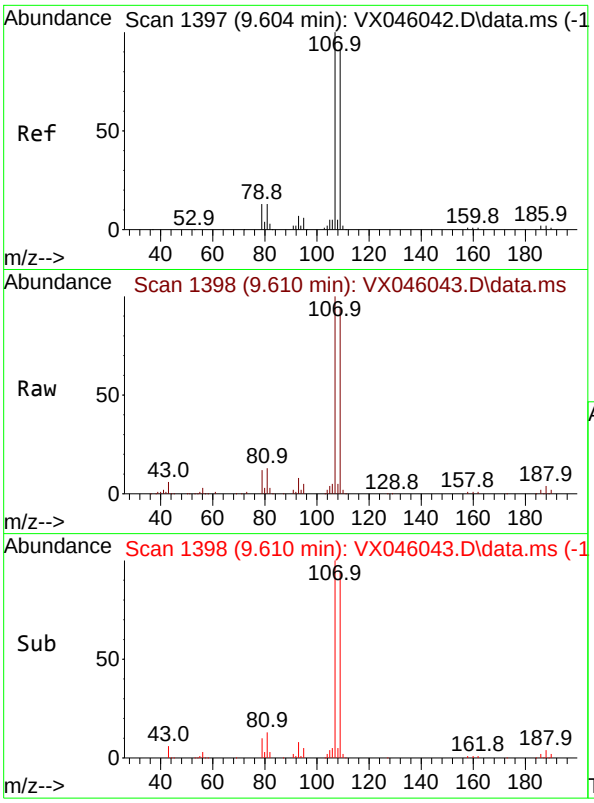


#60
Dibromochloromethane
Concen: 78.918 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:129 Resp: 127012

Ion	Ratio	Lower	Upper
129	100		
127	77.0	39.3	117.8



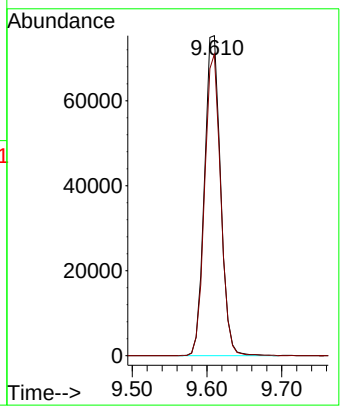


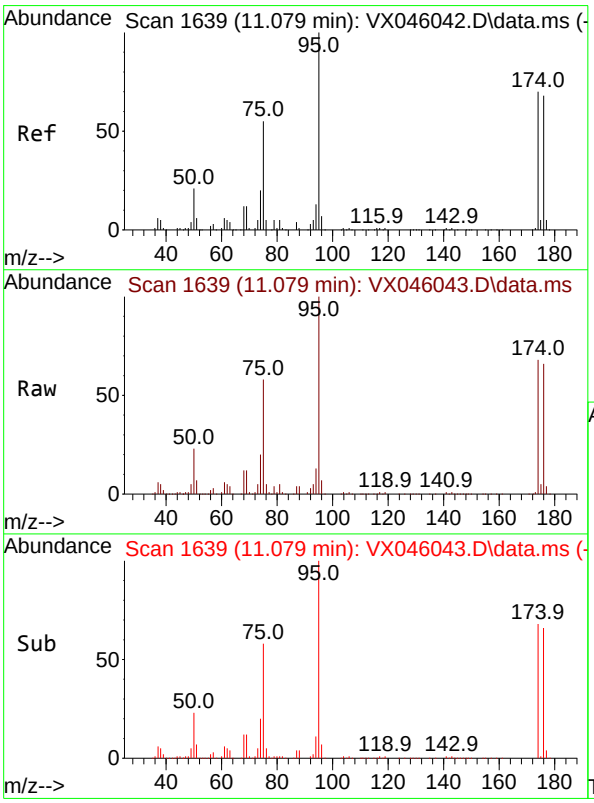
#61
1,2-Dibromoethane
Concen: 74.200 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 112669

Ion	Ratio	Lower	Upper
107	100		
109	93.9	73.3	109.9

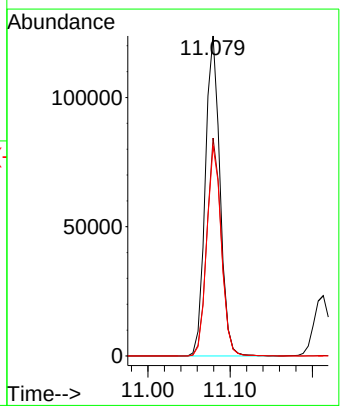


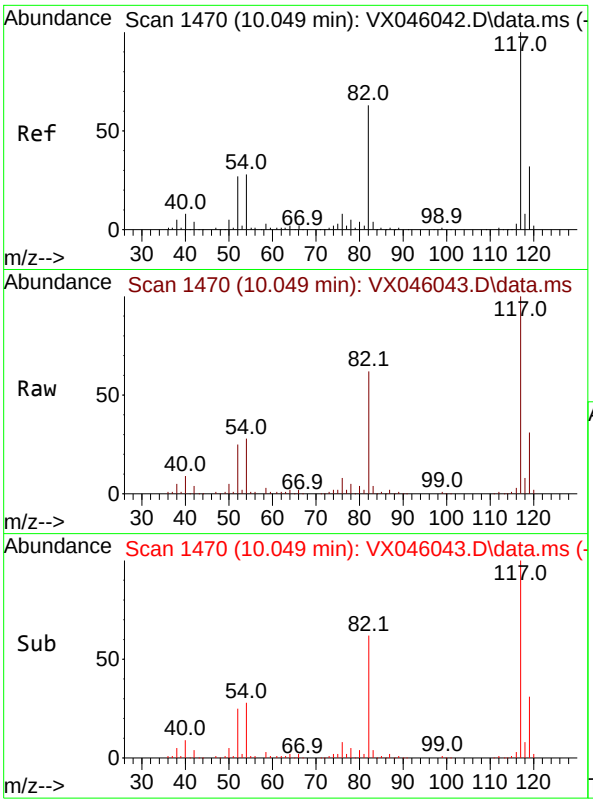


#62
4-Bromofluorobenzene
Concen: 72.818 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 95 Resp: 153085

Ion	Ratio	Lower	Upper
95	100		
174	67.1	0.0	135.8
176	65.3	0.0	131.4



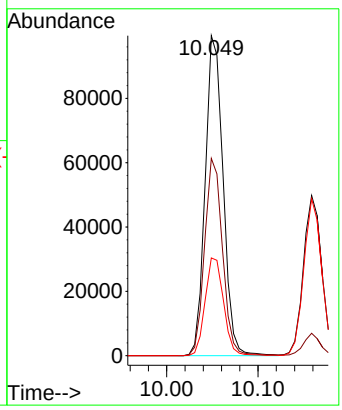


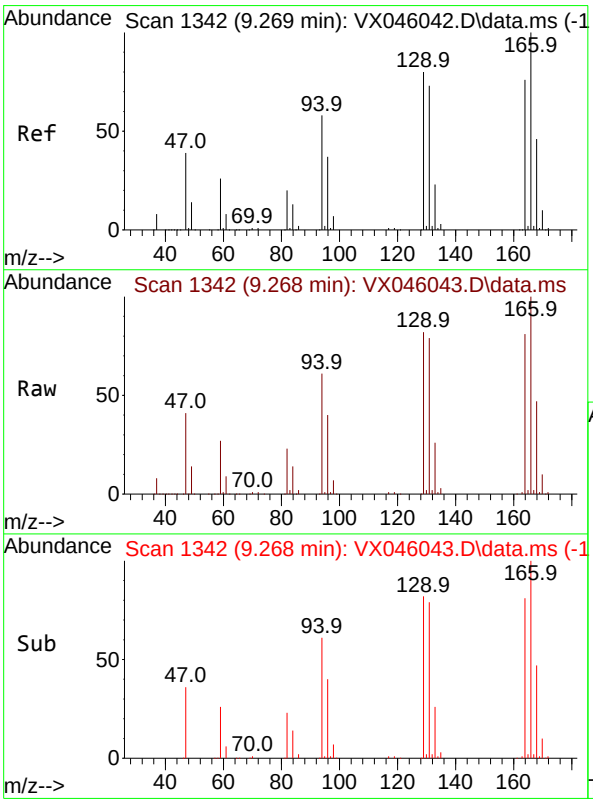
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 135214

Ion	Ratio	Lower	Upper
117	100		
82	61.7	50.6	76.0
119	30.6	25.8	38.6

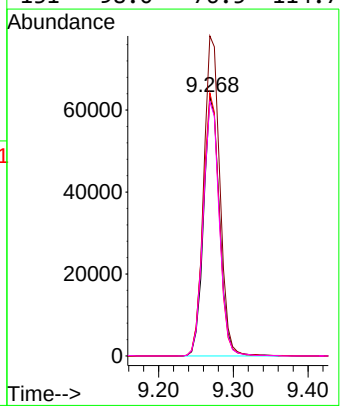


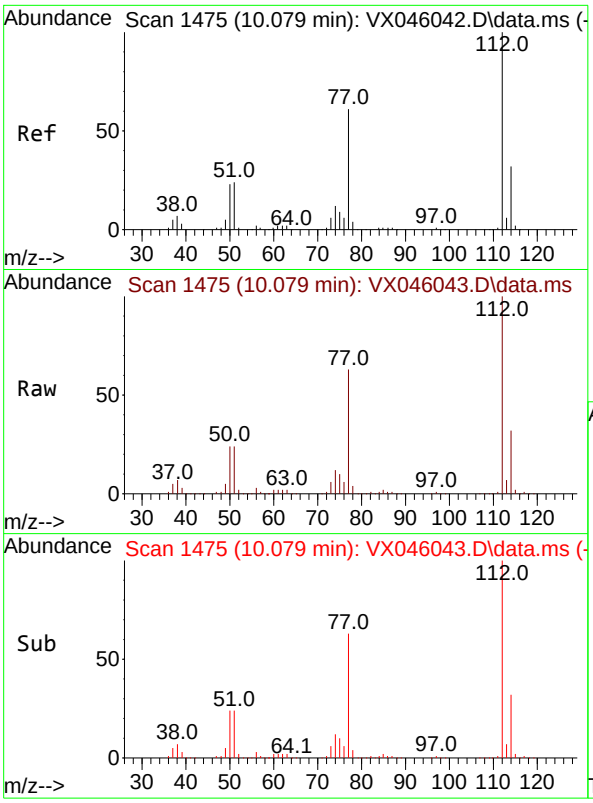


#64
Tetrachloroethene
Concen: 67.493 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:164 Resp: 93195

Ion	Ratio	Lower	Upper
164	100		
166	123.4	105.0	157.6
129	101.4	83.5	125.3
131	98.0	76.5	114.7



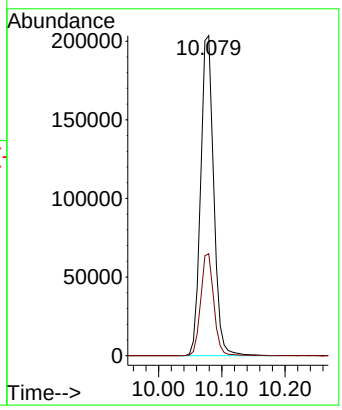


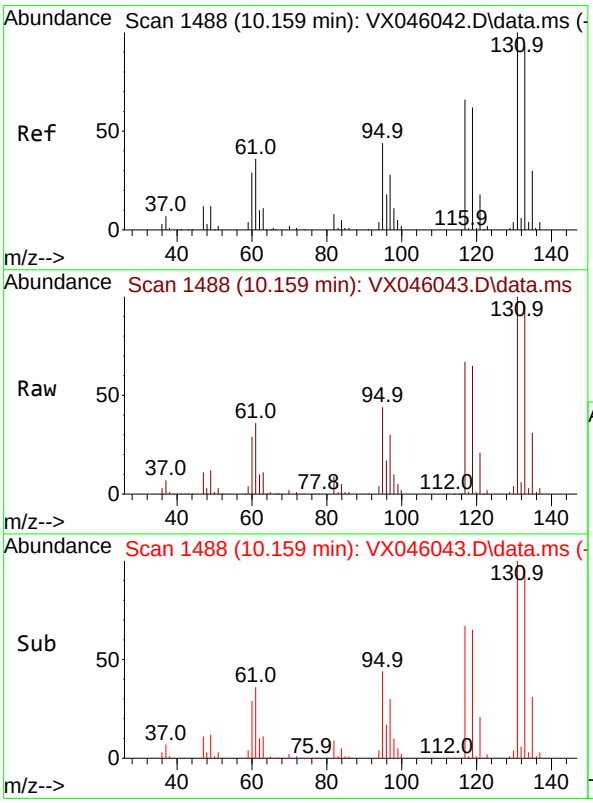
#65
Chlorobenzene
Concen: 70.490 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 293284

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.2

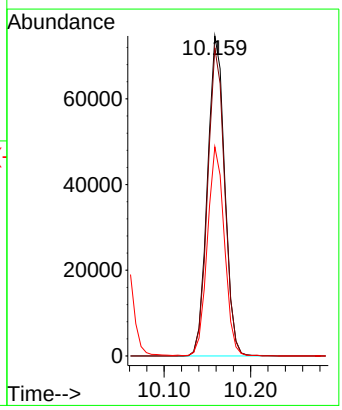


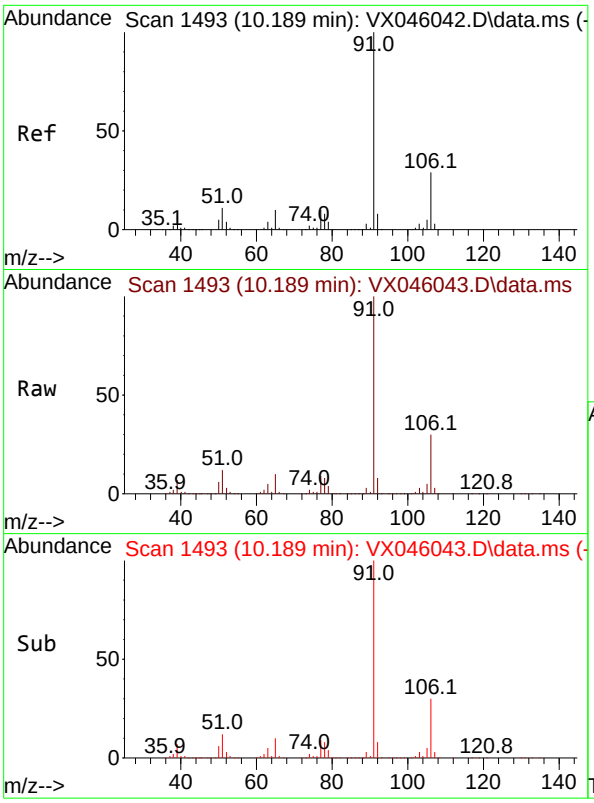


#66
1,1,1,2-Tetrachloroethane
Concen: 74.349 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:131 Resp: 103177

Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	141.9
119	64.5	31.6	95.0



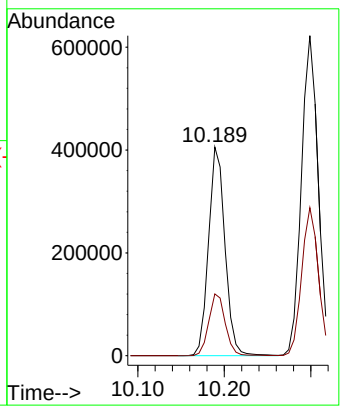


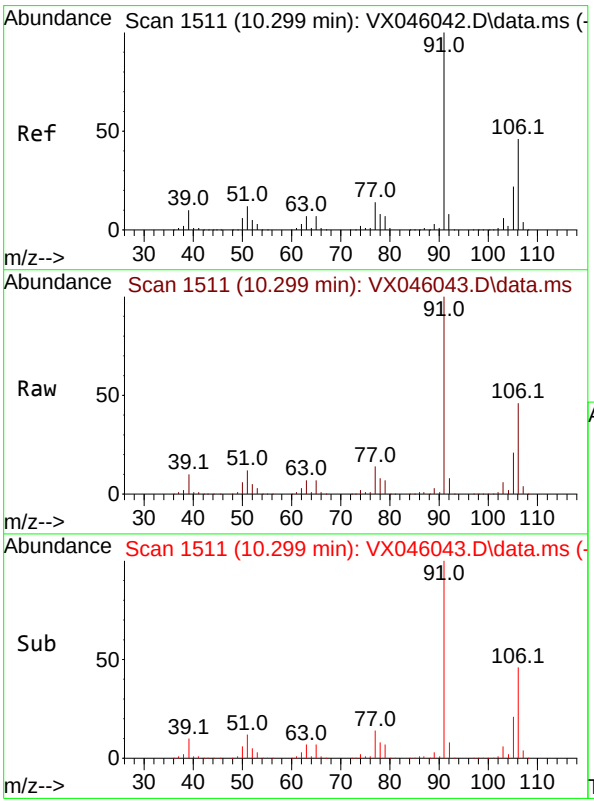
#67
Ethyl Benzene
Concen: 75.444 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 535122

Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.4	35.2

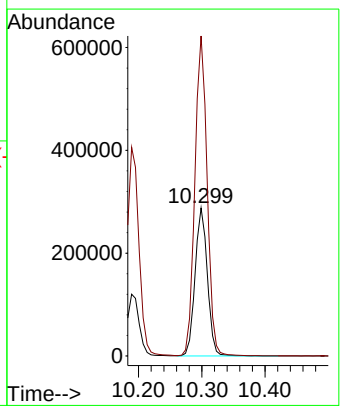


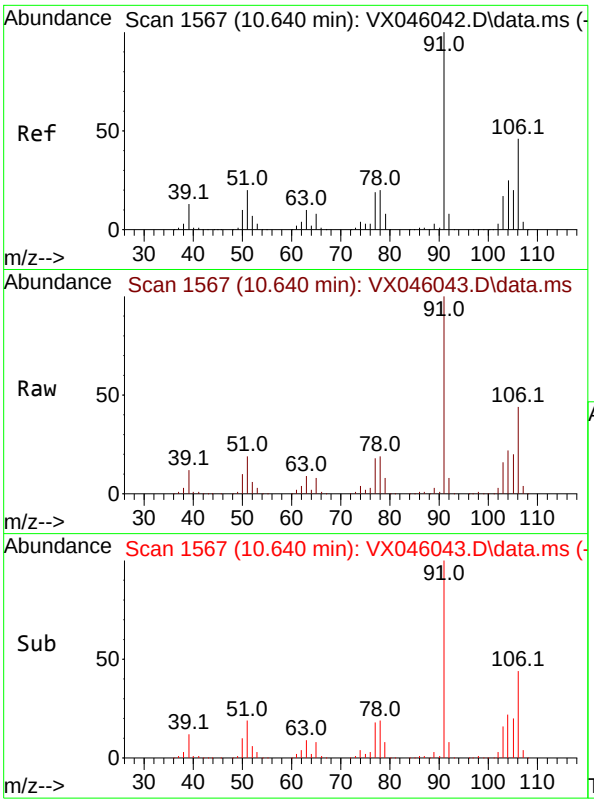


#68
m/p-Xylenes
Concen: 152.181 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:106 Resp: 389935

Ion	Ratio	Lower	Upper
106	100		
91	215.8	171.2	256.8



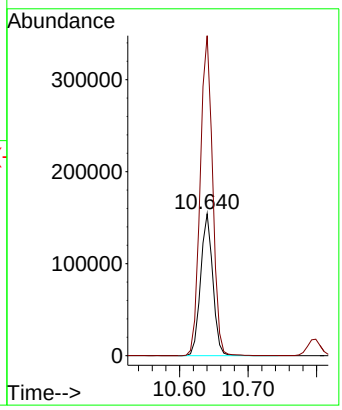


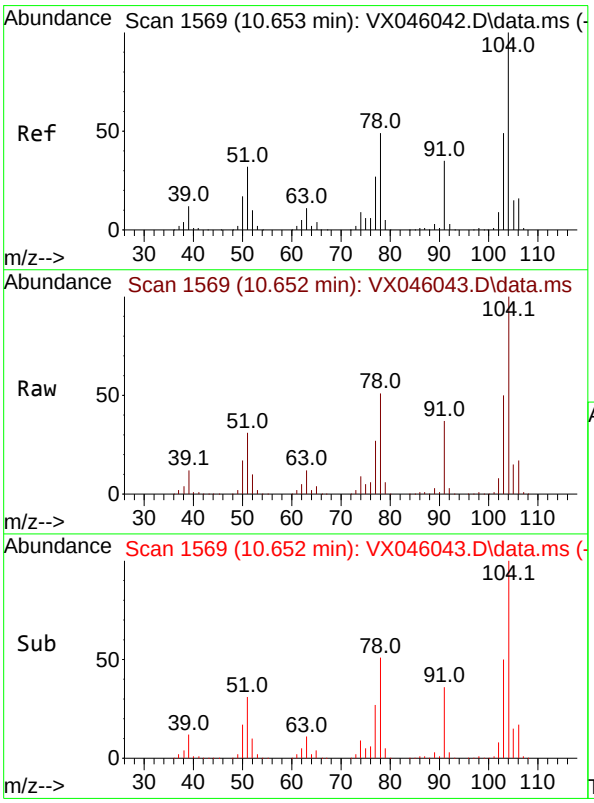
#69
o-Xylene
Concen: 73.890 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 190833

Ion	Ratio	Lower	Upper
106	100		
91	230.3	112.7	338.1

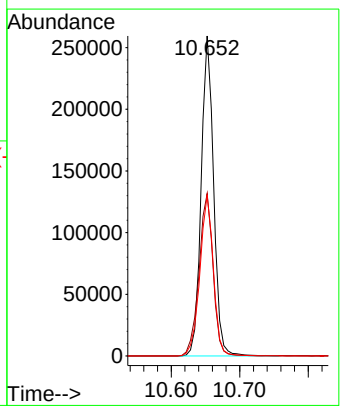


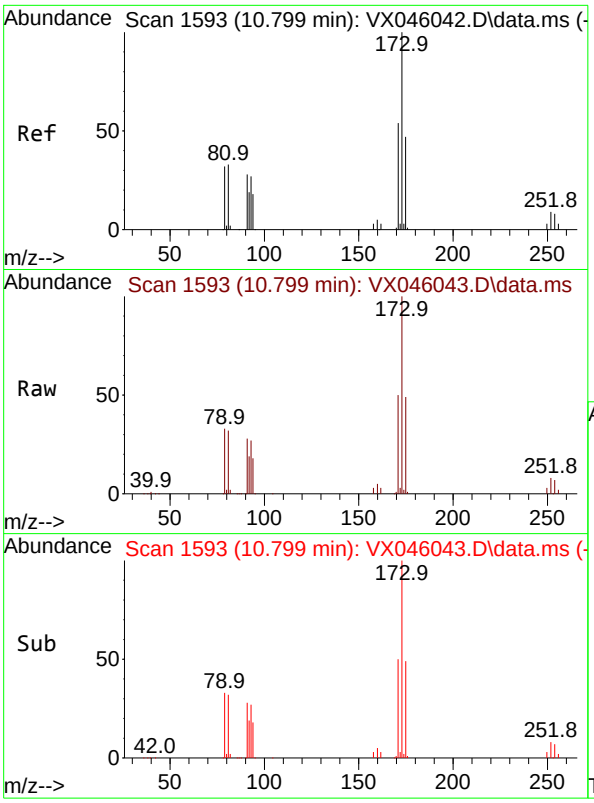


#70
Styrene
Concen: 79.411 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:104 Resp: 328195

Ion	Ratio	Lower	Upper
104	100		
78	57.4	45.7	68.5
103	54.8	43.7	65.5



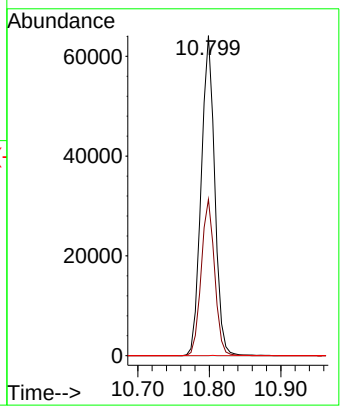


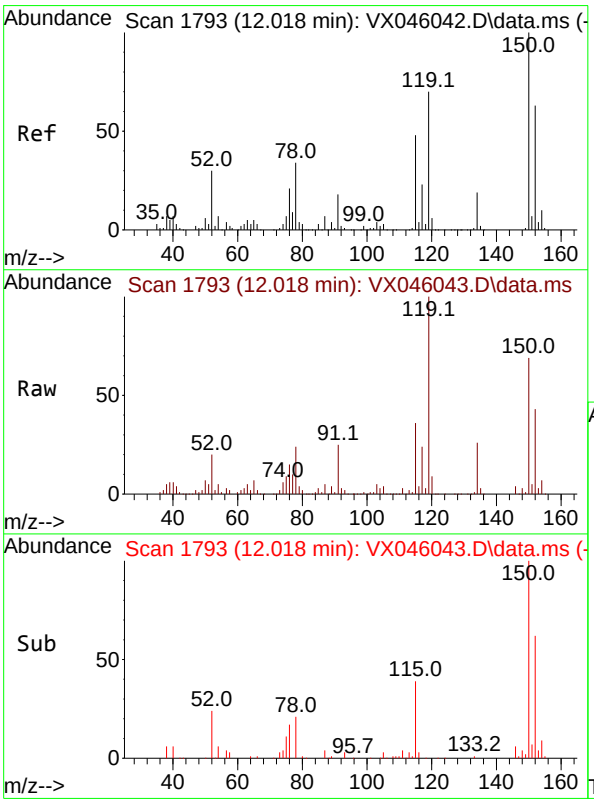
#71
Bromoform
Concen: 80.927 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 84353

Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.4	70.0
254	0.0	0.0	0.0#

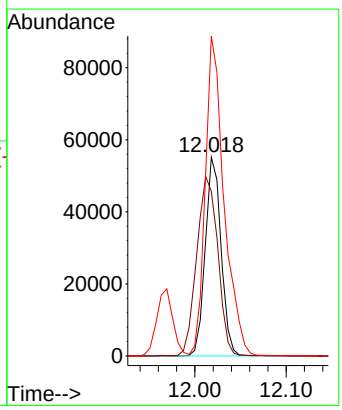


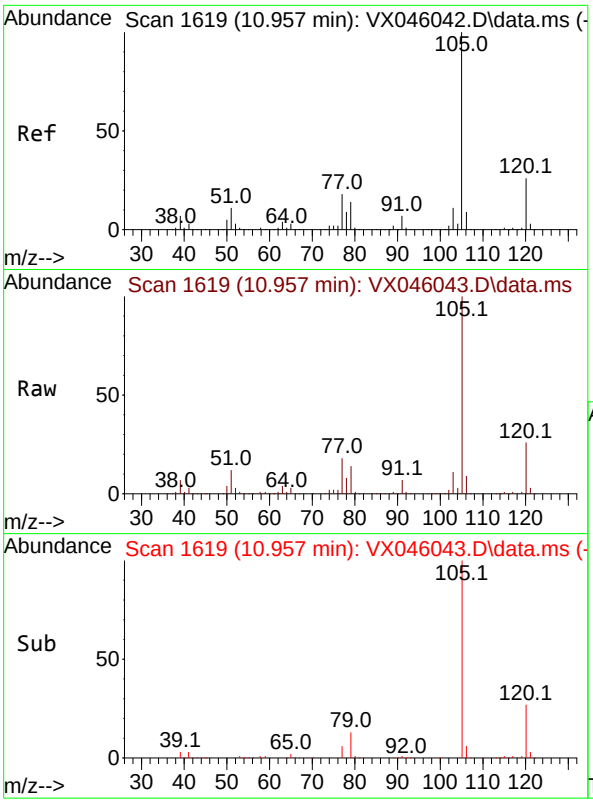


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:152 Resp: 66369

Ion	Ratio	Lower	Upper
152	100		
115	120.4	46.9	140.7
150	190.4	0.0	351.0



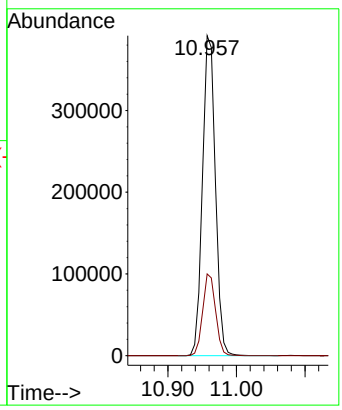


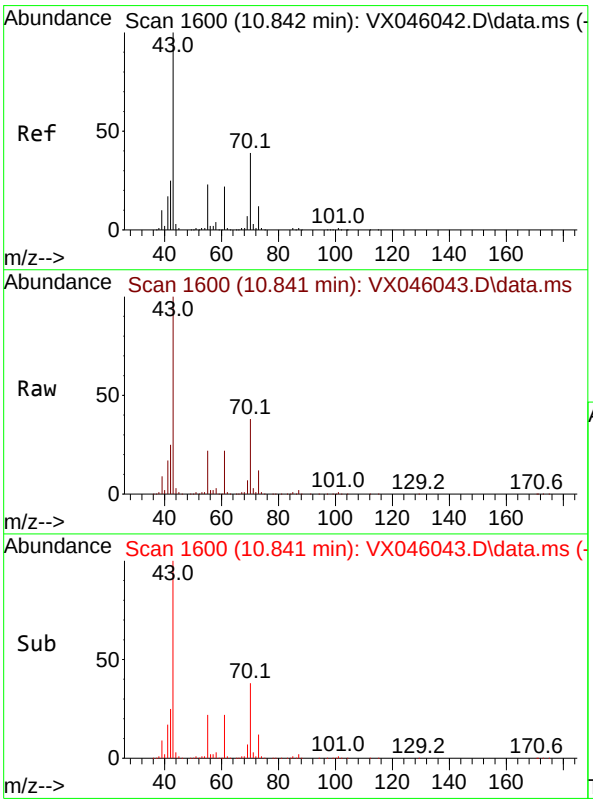
#73
Isopropylbenzene
Concen: 71.083 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 514528

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4

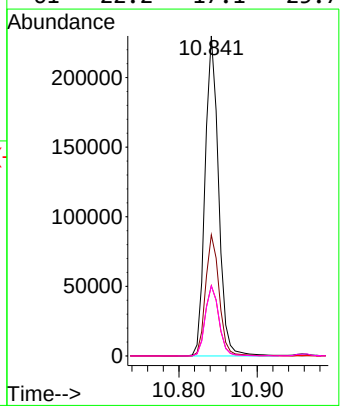


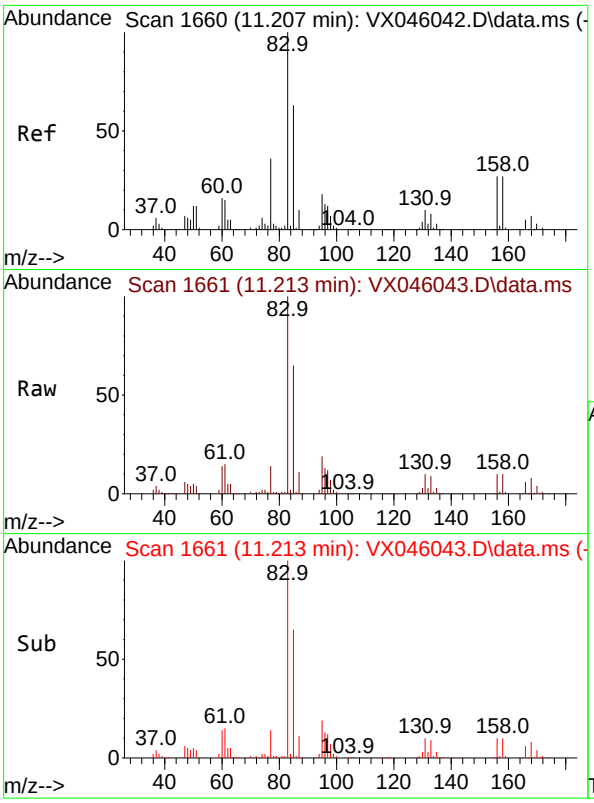


#74
N-amyl acetate
Concen: 76.073 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 43 Resp: 274553

Ion	Ratio	Lower	Upper
43	100		
70	38.2	30.9	46.3
55	22.5	18.7	28.1
61	22.2	17.1	25.7



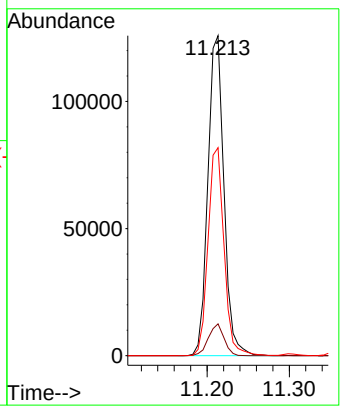


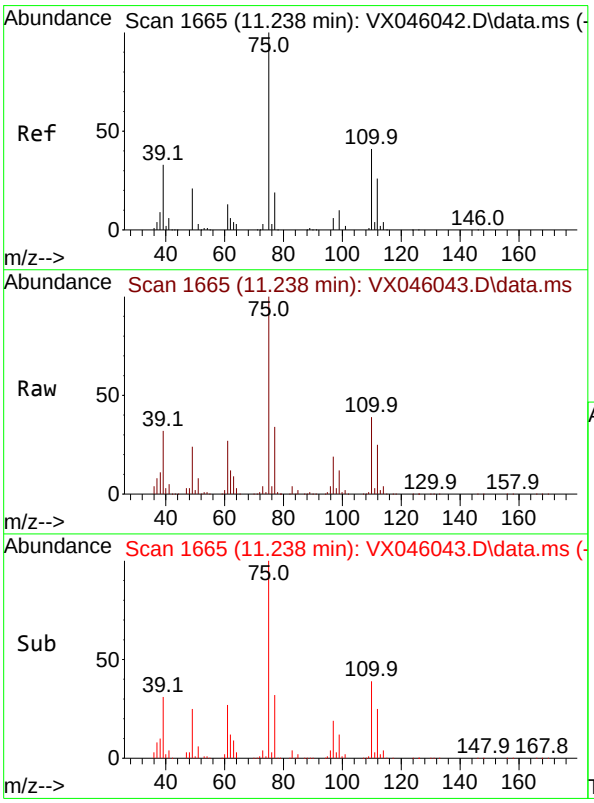
#75
1,1,2,2-Tetrachloroethane
Concen: 66.207 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 170481

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.9	31.9	95.7

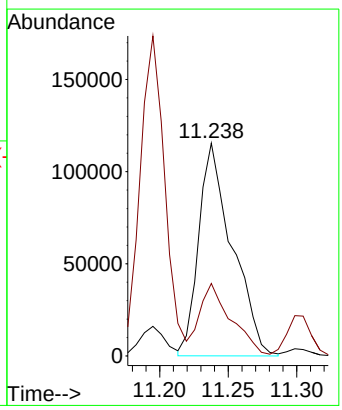


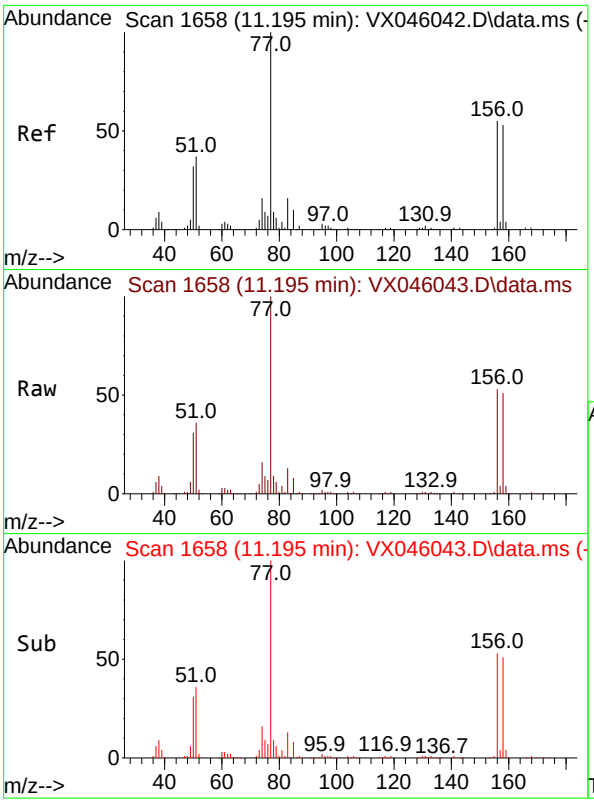


#76
1,2,3-Trichloropropane
Concen: 71.091 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 196706

Ion	Ratio	Lower	Upper
75	100		
77	32.2	20.5	61.5



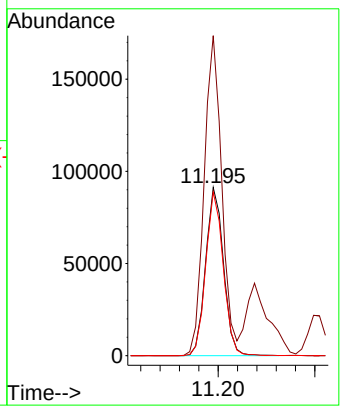


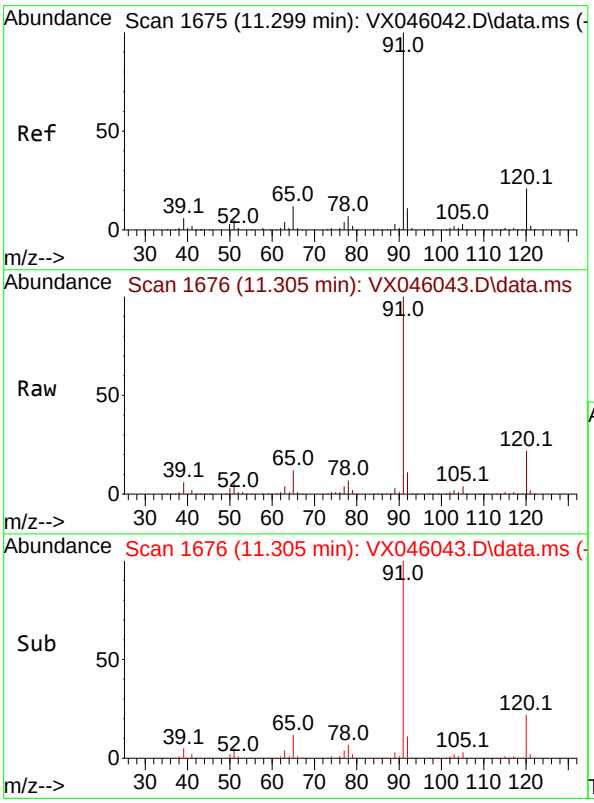
#77
Bromobenzene
Concen: 69.959 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 117151

Ion	Ratio	Lower	Upper
156	100		
77	187.4	92.8	278.3
158	96.1	48.8	146.3

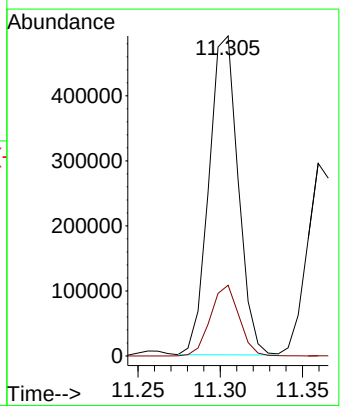


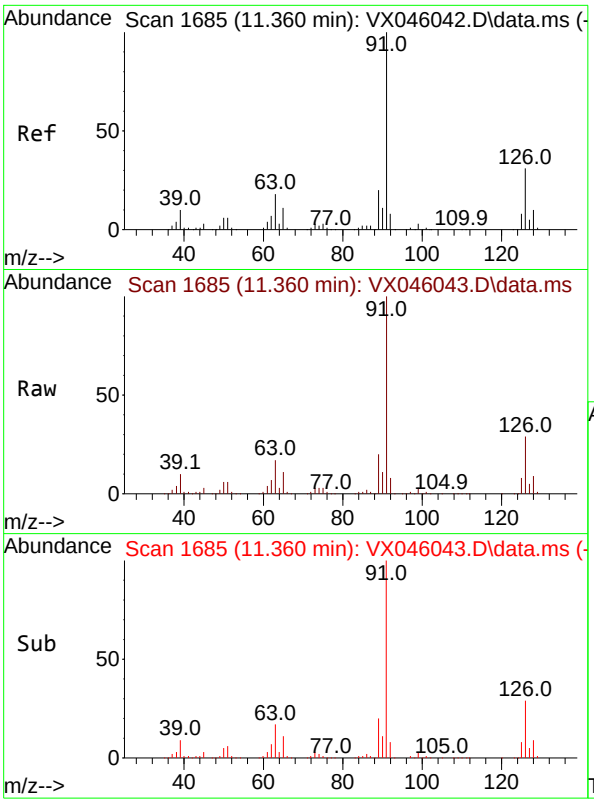


#78
n-propylbenzene
Concen: 74.974 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 608332

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4



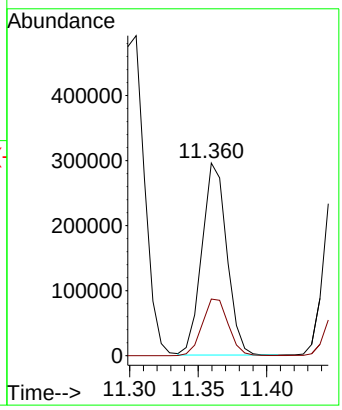


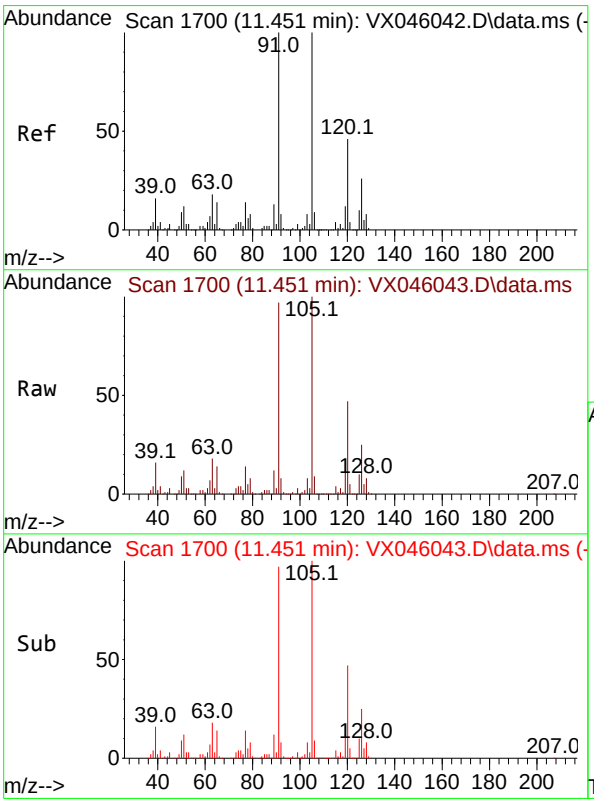
#79
2-Chlorotoluene
Concen: 68.100 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 372392

Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.6	46.7

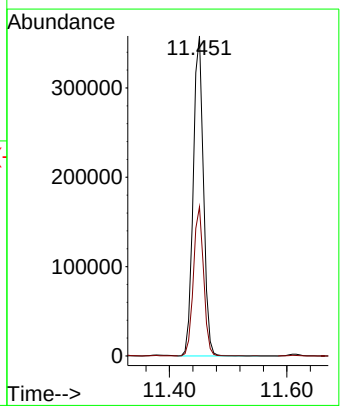


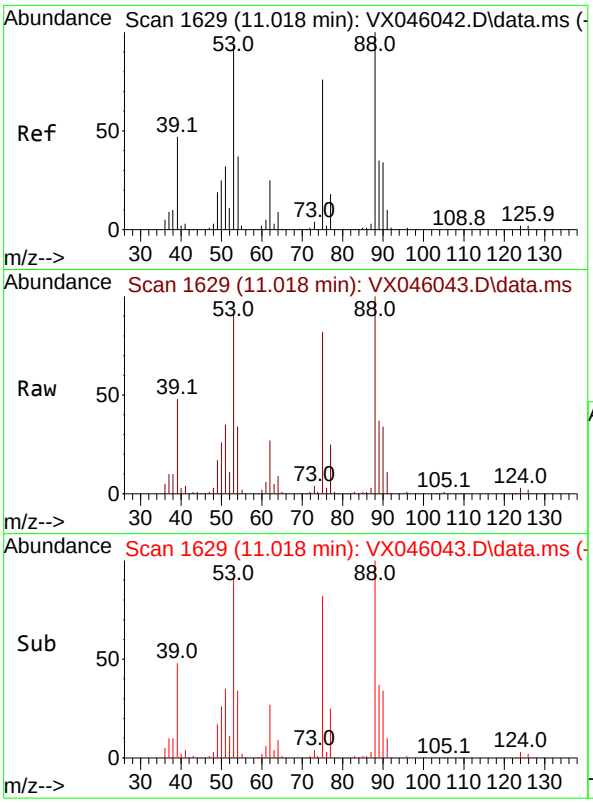


#80
1,3,5-Trimethylbenzene
Concen: 71.903 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 432096

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2



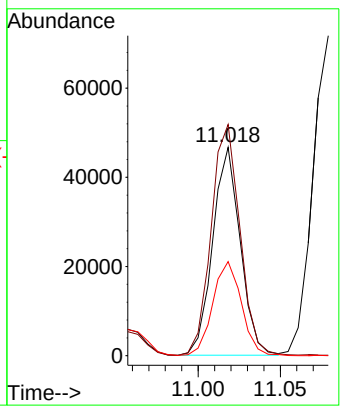


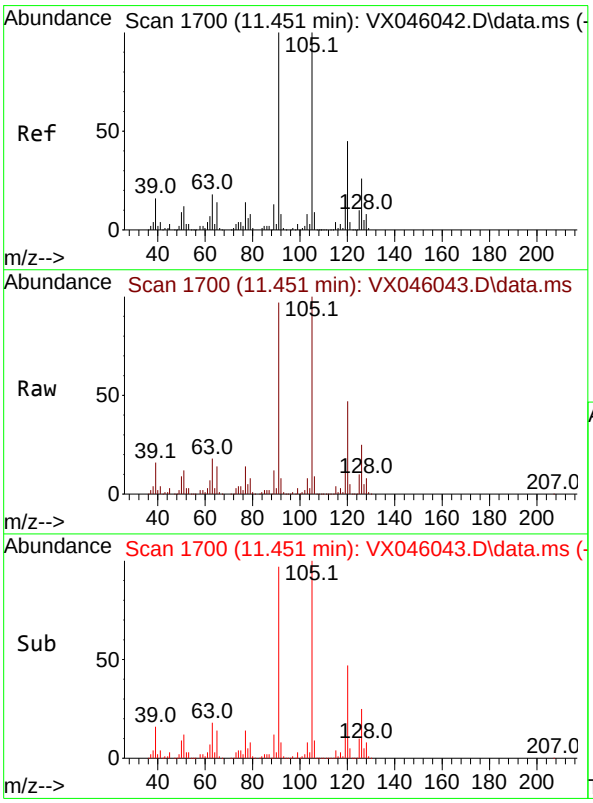
#81
trans-1,4-Dichloro-2-butene
Concen: 81.820 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 54398

Ion	Ratio	Lower	Upper
75	100		
53	115.8	100.5	150.7
89	47.0	37.0	55.6

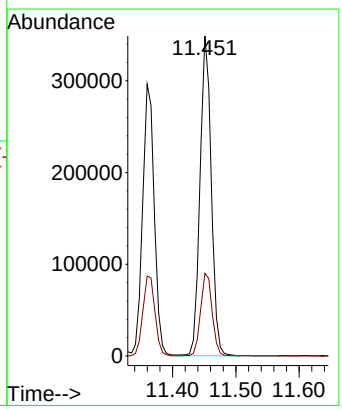


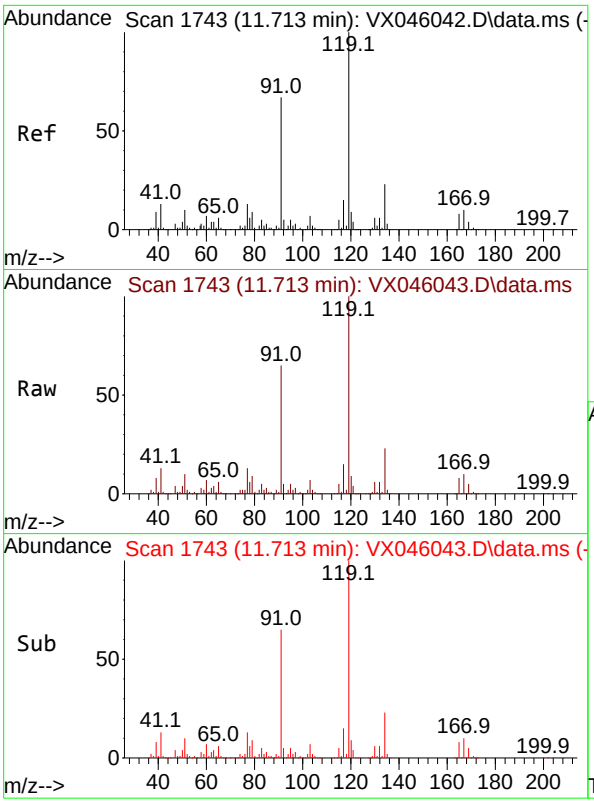


#82
4-Chlorotoluene
Concen: 71.890 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 91 Resp: 432053

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8



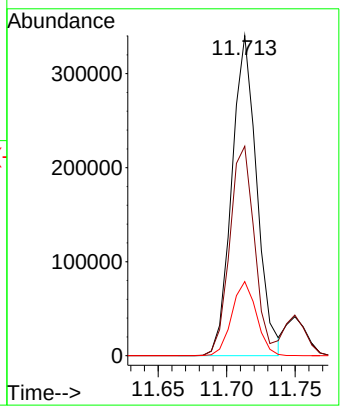


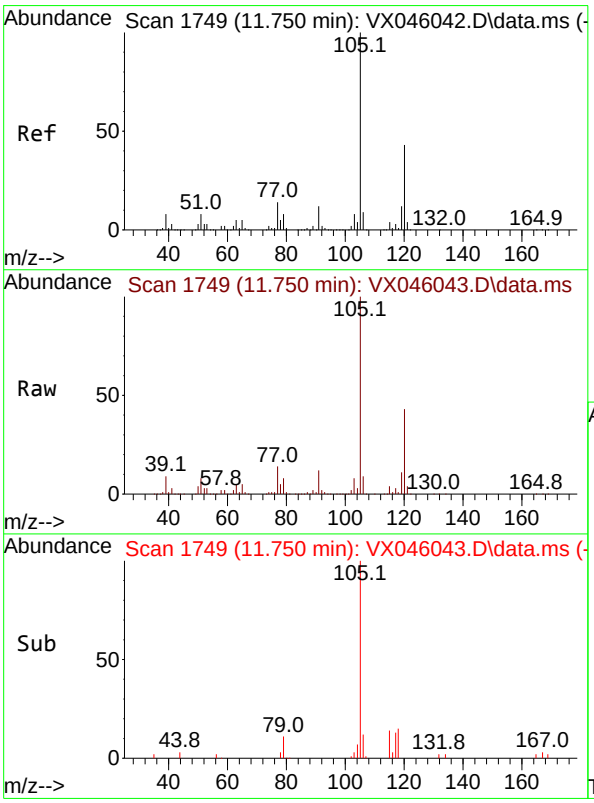
#83
tert-Butylbenzene
Concen: 73.197 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 432011

Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.9	98.7
134	22.8	11.4	34.1

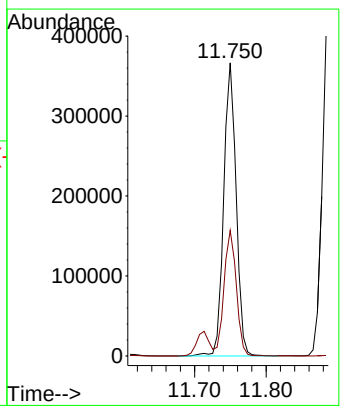


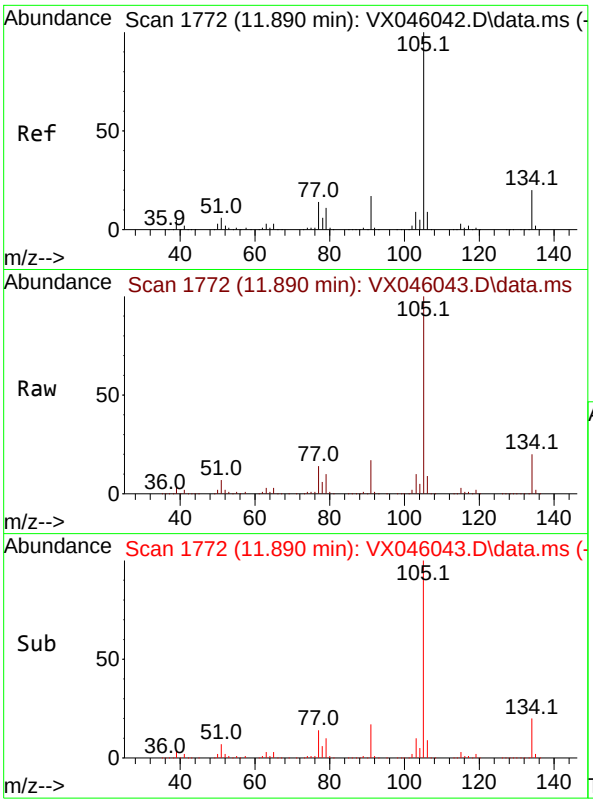


#84
1,2,4-Trimethylbenzene
Concen: 73.758 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:105 Resp: 442728

Ion	Ratio	Lower	Upper
105	100		
120	42.4	21.2	63.6



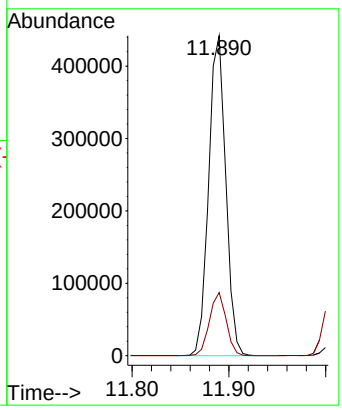


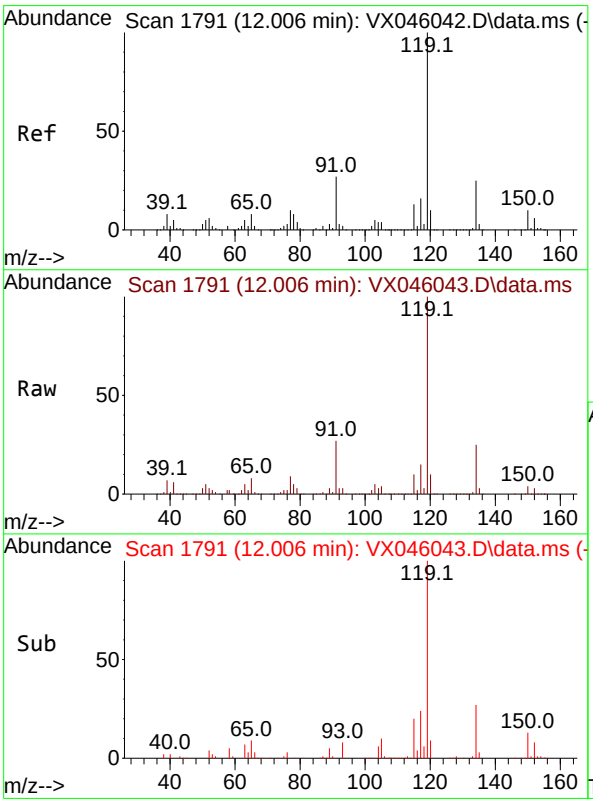
#85
sec-Butylbenzene
Concen: 74.188 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 543597

Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

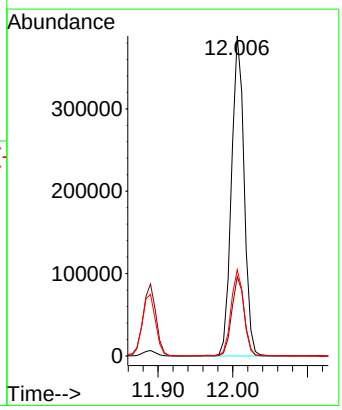


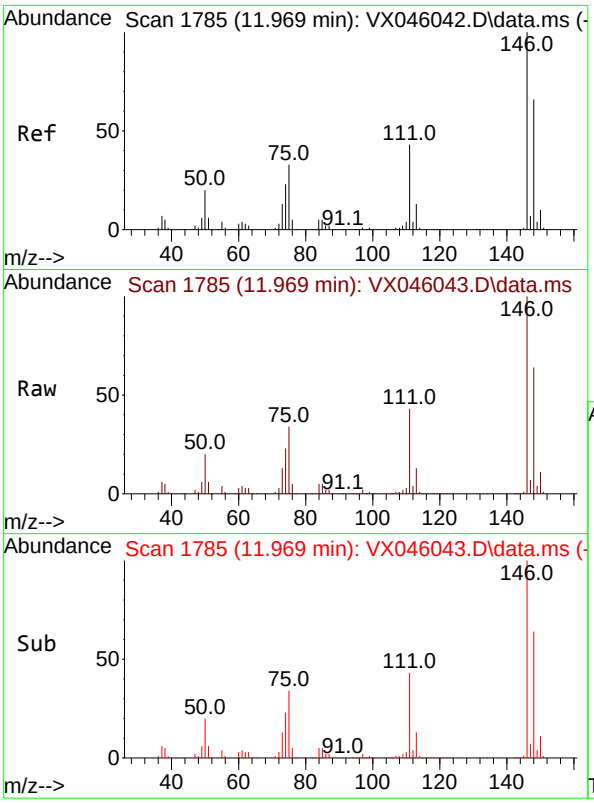


#86
p-Isopropyltoluene
Concen: 77.393 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:119 Resp: 457898

Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.5	37.5
91	26.8	13.8	41.4



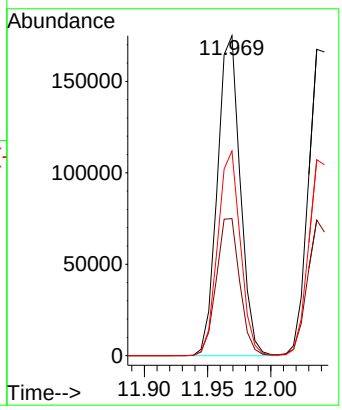


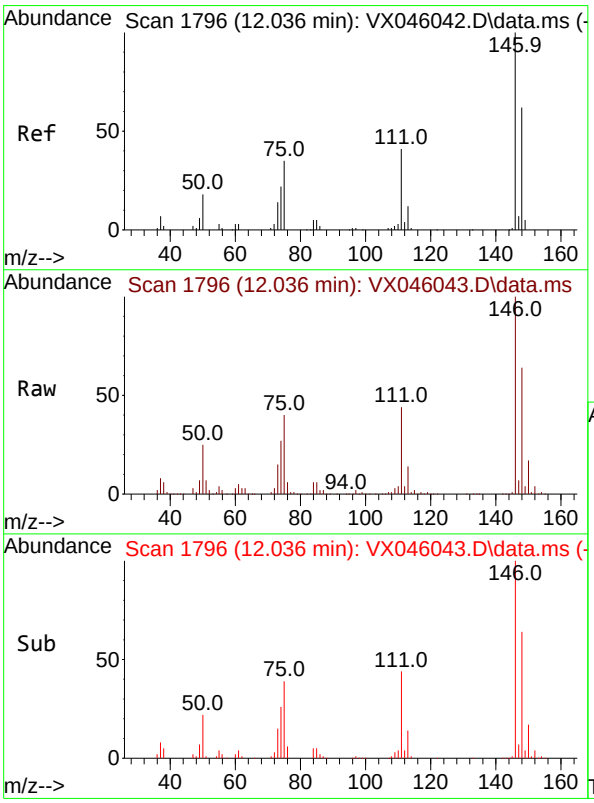
#87
1,3-Dichlorobenzene
Concen: 70.449 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 219753

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.3
148	63.5	32.1	96.5

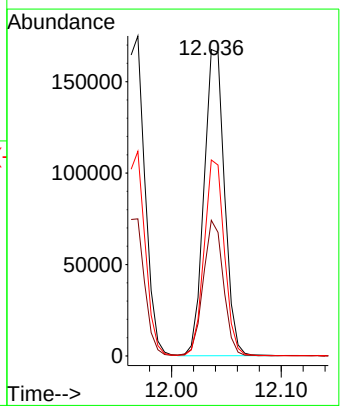


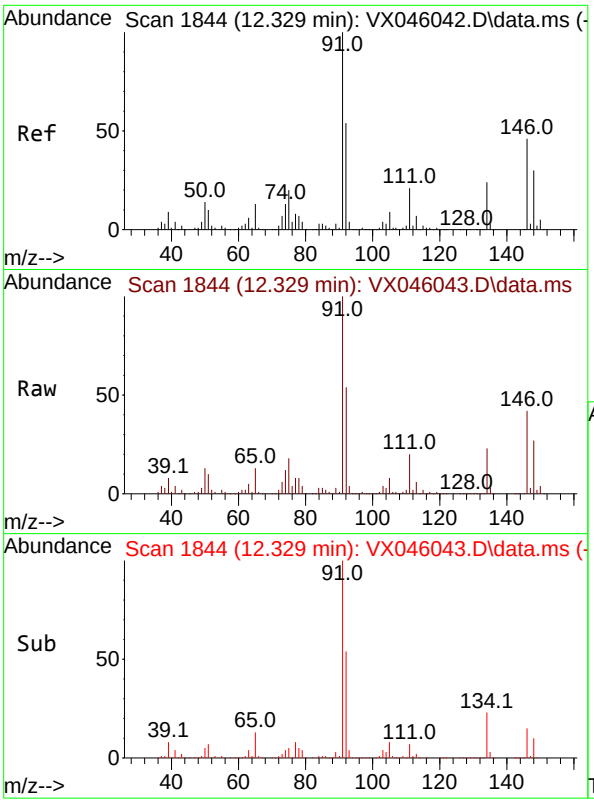


#88
1,4-Dichlorobenzene
Concen: 71.190 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:146 Resp: 217613

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	63.2	31.9	95.5



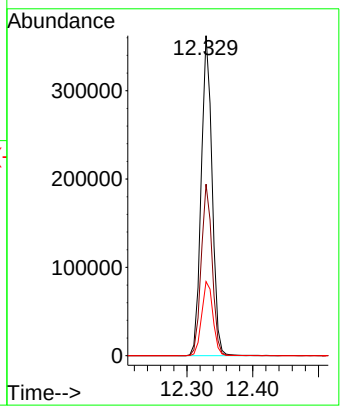


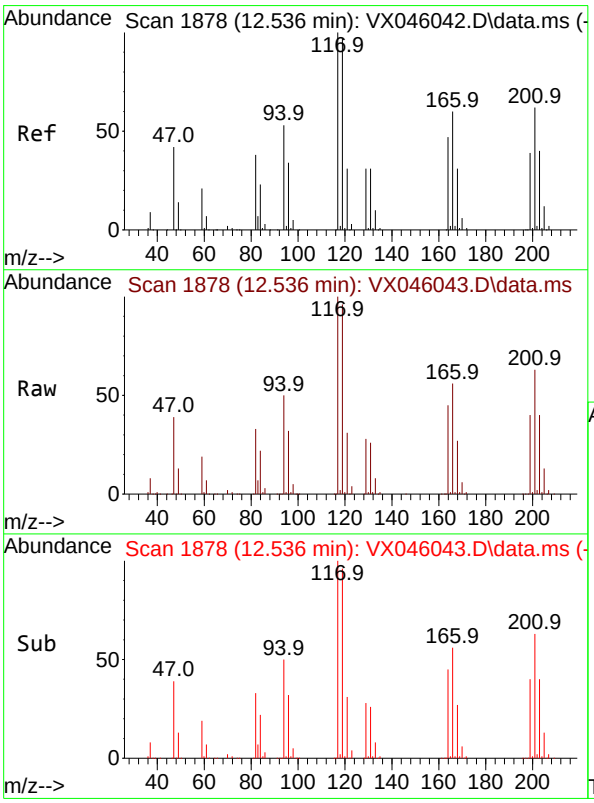
#89
n-Butylbenzene
Concen: 80.996 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 416602

Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.9	80.7
134	24.0	11.8	35.3

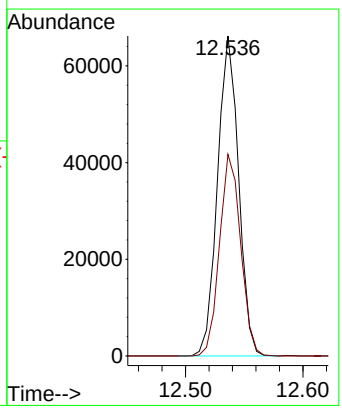


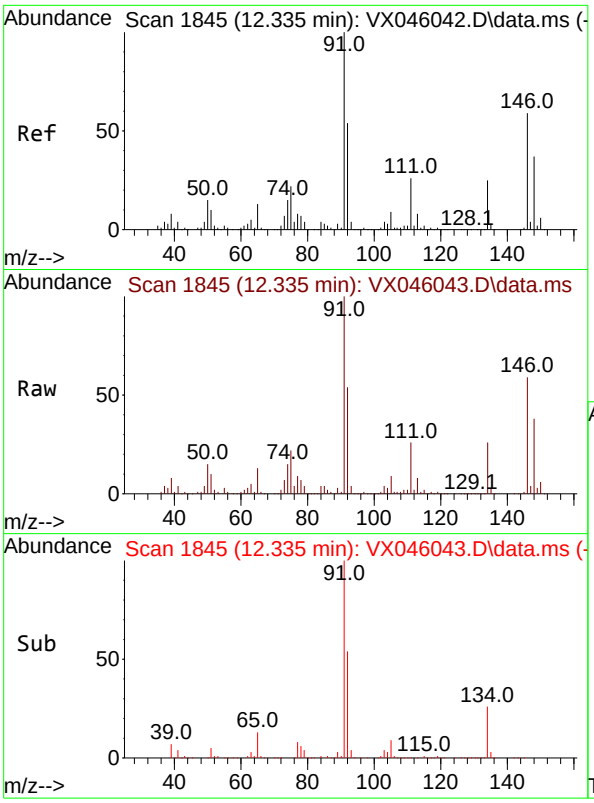


#90
Hexachloroethane
Concen: 74.978 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:117 Resp: 82528

Ion	Ratio	Lower	Upper
117	100		
201	63.3	31.6	94.7



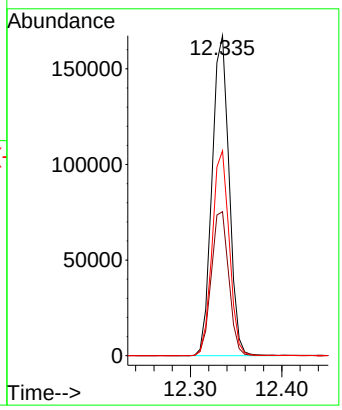


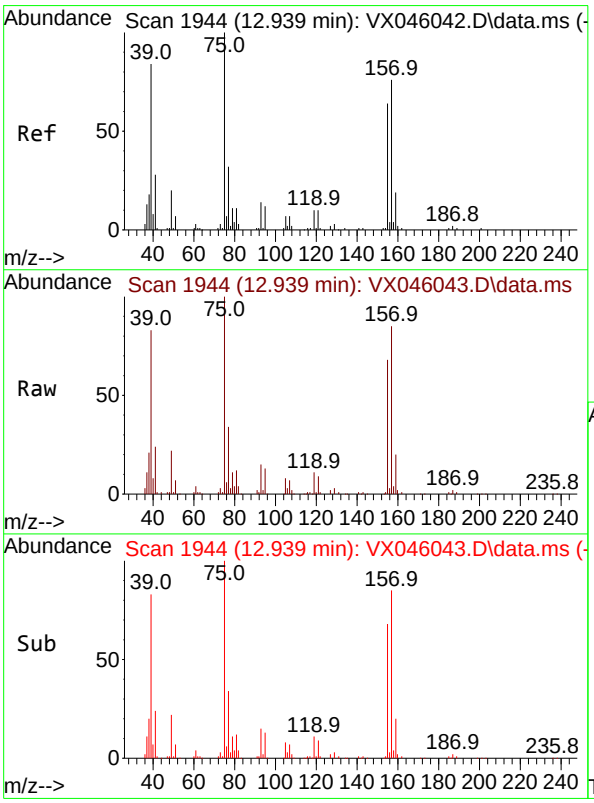
#91
1,2-Dichlorobenzene
Concen: 71.367 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 216834

Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.4	67.3
148	64.0	31.6	94.8

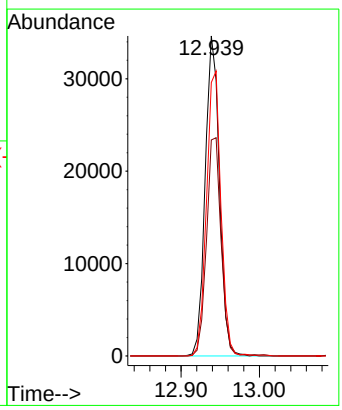


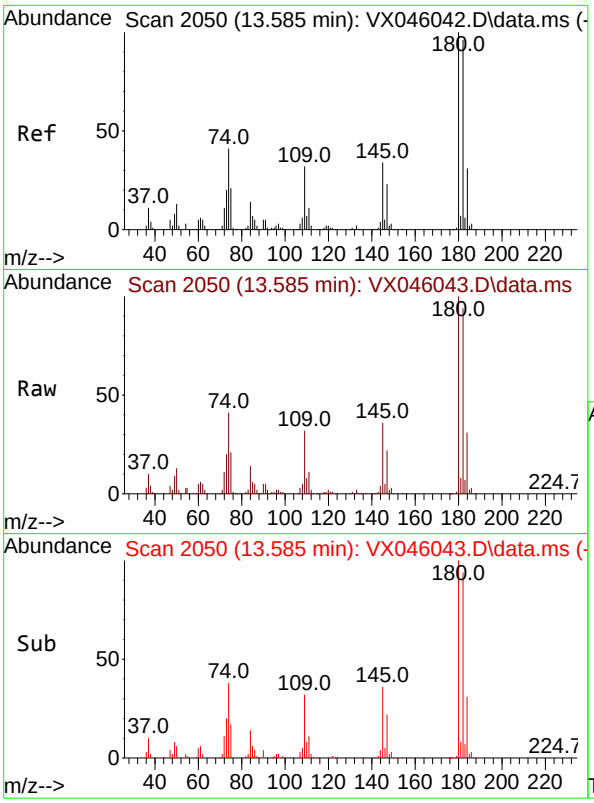


#92
1,2-Dibromo-3-Chloropropane
Concen: 74.512 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion: 75 Resp: 43673

Ion	Ratio	Lower	Upper
75	100		
155	69.4	34.9	104.8
157	90.1	43.8	131.4



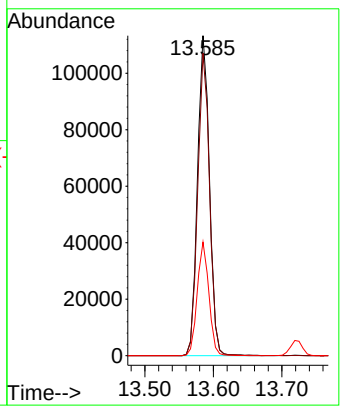


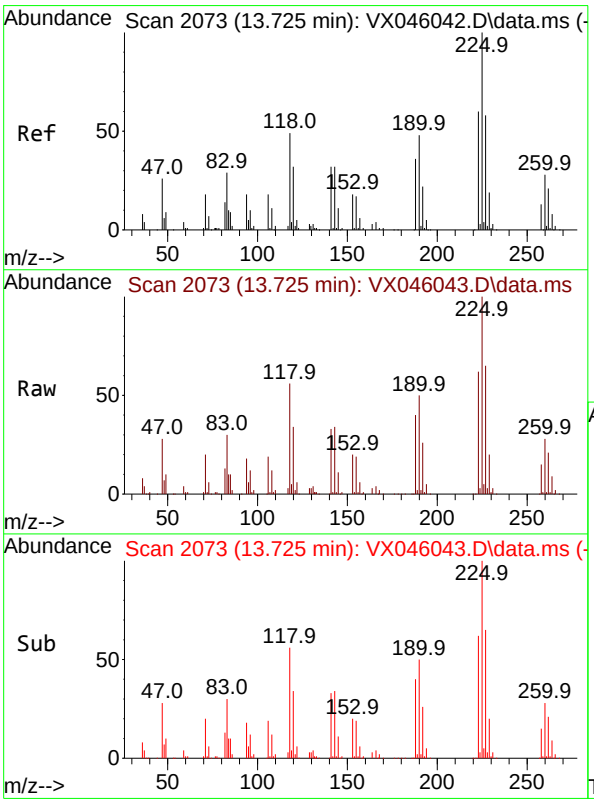
#93
1,2,4-Trichlorobenzene
Concen: 82.605 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 137430

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.8
145	34.6	17.1	51.2

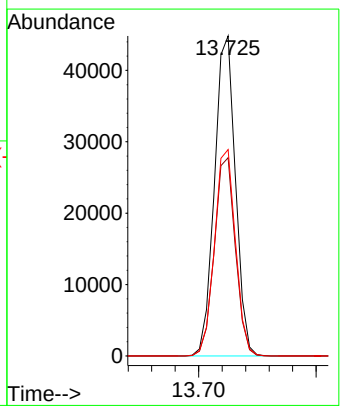


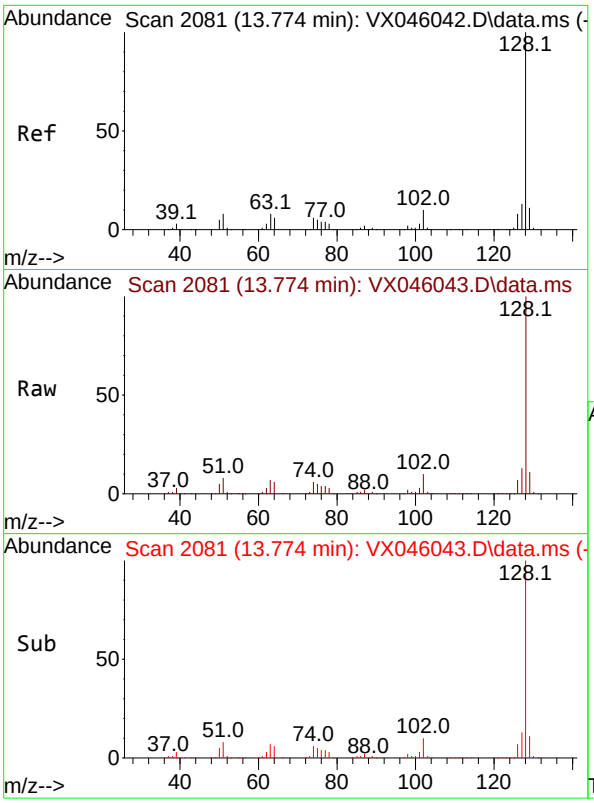


#94
Hexachlorobutadiene
Concen: 71.314 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:225 Resp: 55494

Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.8	92.4
227	64.9	30.9	92.7



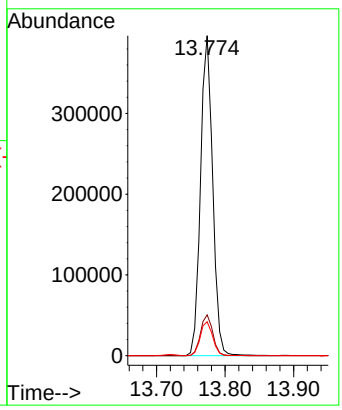


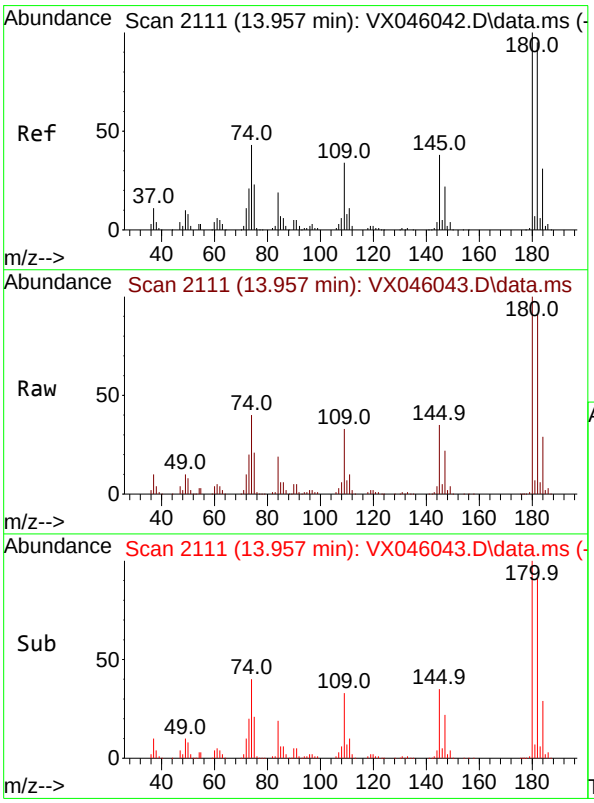
#95
Naphthalene
Concen: 80.842 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 489778

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0

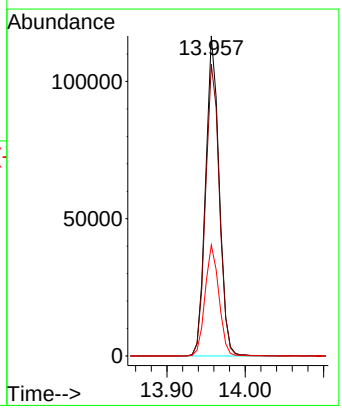




#96
1,2,3-Trichlorobenzene
Concen: 79.981 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046043.D
Acq: 05 May 2025 12:21

Tgt Ion:180 Resp: 139525

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.8	143.3
145	35.3	18.1	54.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	82963	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144975	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60345	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	231952	93.983	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 187.960%#			
35) Dibromofluoromethane	5.385	113	160168	98.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.120%#			
50) Toluene-d8	8.647	98	554390	101.252	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 202.500%#			
62) 4-Bromofluorobenzene	11.079	95	217536	109.174	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 218.340%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	217793	118.929	ug/l	98
3) Chloromethane	1.307	50	196843	109.161	ug/l	99
4) Vinyl Chloride	1.374	62	187924	118.953	ug/l	100
5) Bromomethane	1.593	94	83008	103.625	ug/l	95
6) Chloroethane	1.660	64	78806	96.822	ug/l	98
7) Trichlorofluoromethane	1.868	101	245108	101.851	ug/l	97
8) Diethyl Ether	2.136	74	88441	111.791	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.313	101	161404	112.243	ug/l	99
10) Methyl Iodide	2.441	142	189843	112.441	ug/l	100
11) Tert butyl alcohol	3.002	59	181238	616.119	ug/l	100
12) 1,1-Dichloroethene	2.307	96	155451	111.039	ug/l	99
13) Acrolein	2.239	56	203257	594.872	ug/l	98
14) Allyl chloride	2.654	41	297776	112.561	ug/l	98
15) Acrylonitrile	3.069	53	484854	550.973	ug/l	98
16) Acetone	2.392	43	460820	545.754	ug/l	98
17) Carbon Disulfide	2.502	76	397353	122.499	ug/l	100
18) Methyl Acetate	2.709	43	217885	108.099	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	557210	114.112	ug/l	100
20) Methylene Chloride	2.782	84	172035	100.579	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	154694	108.241	ug/l	96
22) Diisopropyl ether	3.764	45	577610	116.858	ug/l	90
23) Vinyl Acetate	3.721	43	2655751	608.005	ug/l	100
24) 1,1-Dichloroethane	3.605	63	320083	110.182	ug/l	99
25) 2-Butanone	4.562	43	708463	581.292	ug/l	98
26) 2,2-Dichloropropane	4.471	77	258698	117.548	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	187835	108.994	ug/l	99
28) Bromochloromethane	4.898	49	146923	95.108	ug/l	100
29) Tetrahydrofuran	5.007	42	450456	569.081	ug/l	99
30) Chloroform	5.087	83	323659	107.208	ug/l	95
31) Cyclohexane	5.458	56	286312	116.934	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	295702	113.572	ug/l	98
36) 1,1-Dichloropropene	5.684	75	219731	116.462	ug/l	99
37) Ethyl Acetate	4.715	43	274312	115.889	ug/l	99
38) Carbon Tetrachloride	5.666	117	250916	115.760	ug/l	99
39) Methylcyclohexane	7.373	83	286311	121.107	ug/l	97
40) Benzene	6.031	78	642178	109.813	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	151424	115.139	ug/l		98
42) 1,2-Dichloroethane	6.080	62	271992	112.492	ug/l		99
43) Isopropyl Acetate	6.342	43	447871	123.780	ug/l		100
44) Trichloroethene	7.117	130	157641	114.032	ug/l		96
45) 1,2-Dichloropropane	7.428	63	164505	113.217	ug/l		99
46) Dibromomethane	7.574	93	125846	109.869	ug/l		100
47) Bromodichloromethane	7.818	83	258326	116.365	ug/l		98
48) Methyl methacrylate	7.690	41	231040	124.356	ug/l		99
49) 1,4-Dioxane	7.665	88	82800	2241.695	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	1371275	577.831	ug/l		100
52) Toluene	8.714	92	393323	113.430	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	257233	138.001	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	271054	124.658	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	154932	110.551	ug/l		97
56) Ethyl methacrylate	9.116	69	277921	127.968	ug/l		99
57) 1,3-Dichloropropane	9.305	76	272814	109.813	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	680608	697.344	ug/l		100
59) 2-Hexanone	9.433	43	1028597	571.094	ug/l		99
60) Dibromochloromethane	9.519	129	187497	122.915	ug/l		98
61) 1,2-Dibromoethane	9.604	107	165634	115.087	ug/l		97
64) Tetrachloroethene	9.269	164	132488	100.918	ug/l		96
65) Chlorobenzene	10.080	112	429656	108.615	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	152173	115.333	ug/l		99
67) Ethyl Benzene	10.189	91	785121	116.421	ug/l		99
68) m/p-Xylenes	10.299	106	570913	234.349	ug/l		100
69) o-Xylene	10.640	106	279906	113.990	ug/l		99
70) Styrene	10.653	104	474254	120.694	ug/l		99
71) Bromoform	10.799	173	125986	127.128	ug/l	#	99
73) Isopropylbenzene	10.957	105	752337	114.312	ug/l		99
74) N-amyl acetate	10.842	43	396877	120.944	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	243532	104.018	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	284571	113.113	ug/l		85
77) Bromobenzene	11.195	156	167934	110.297	ug/l		99
78) n-propylbenzene	11.305	91	881218	119.448	ug/l		100
79) 2-Chlorotoluene	11.360	91	534560	107.514	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	616477	112.825	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	81372	134.609	ug/l		93
82) 4-Chlorotoluene	11.451	91	611736	111.948	ug/l		100
83) tert-Butylbenzene	11.713	119	617473	115.065	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	623456	114.236	ug/l		99
85) sec-Butylbenzene	11.890	105	786293	118.023	ug/l		99
86) p-Isopropyltoluene	12.006	119	651531	121.113	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	313100	110.394	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	311752	112.167	ug/l		100
89) n-Butylbenzene	12.329	91	605783	129.533	ug/l		100
90) Hexachloroethane	12.536	117	123188	123.091	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	308039	111.506	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64438	120.915	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	203255	134.366	ug/l		98
94) Hexachlorobutadiene	13.719	225	80558	113.857	ug/l		99
95) Naphthalene	13.774	128	721236	130.929	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	200379	126.331	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

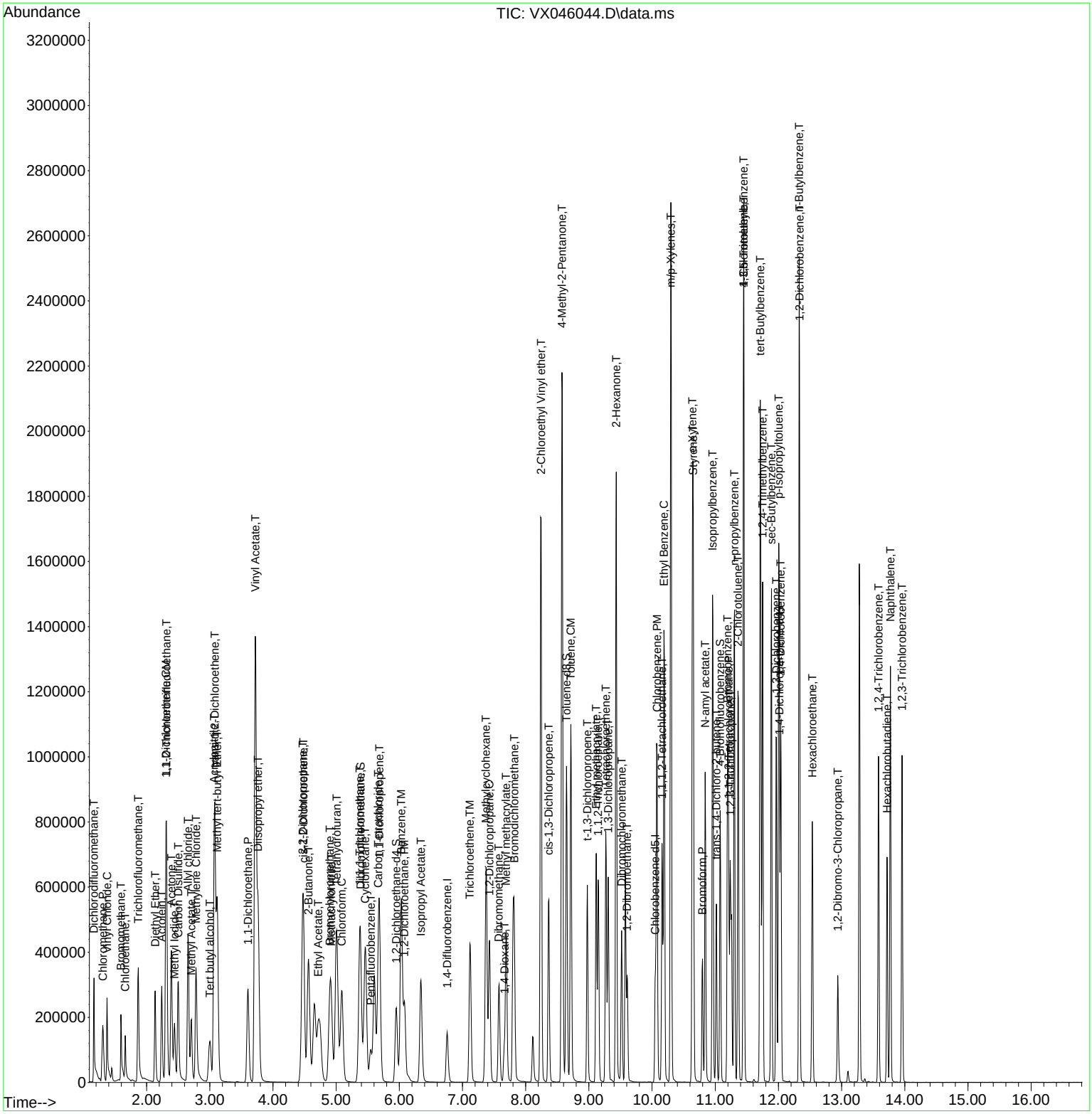
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

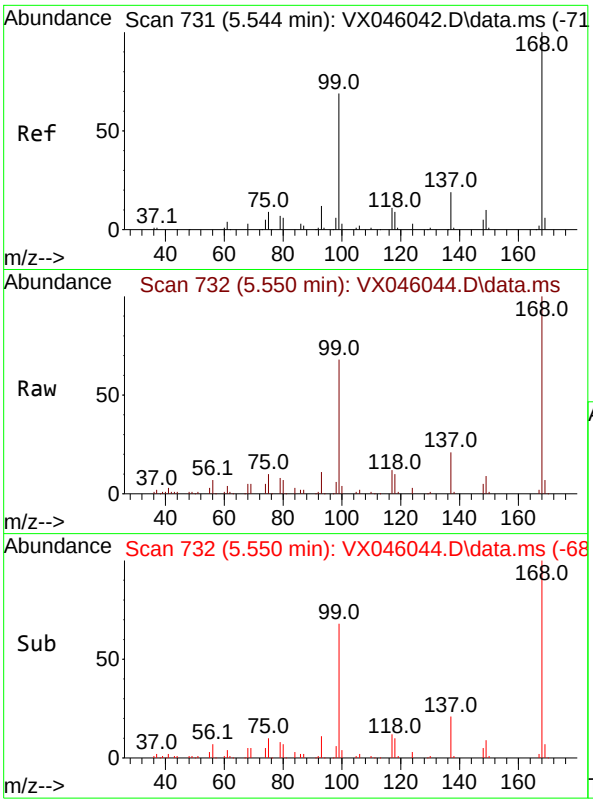
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046044.D
Acq On : 05 May 2025 12:45
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Quant Time: May 06 06:11:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration



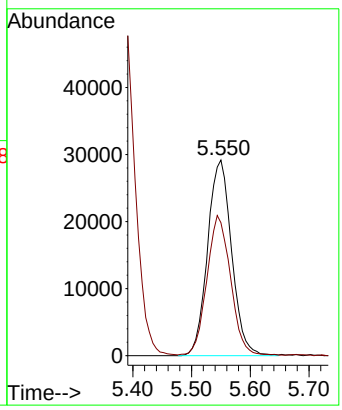


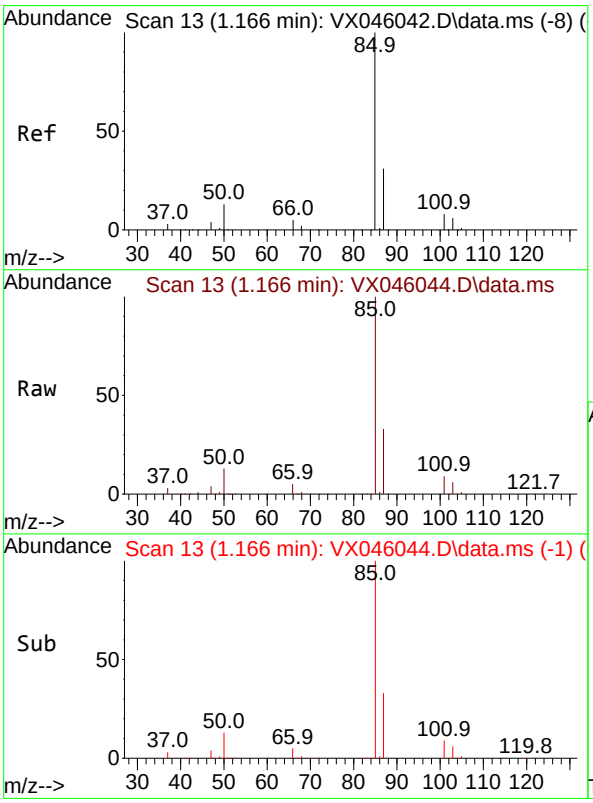
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 82963

Ion	Ratio	Lower	Upper
168	100		
99	67.6	54.9	82.3

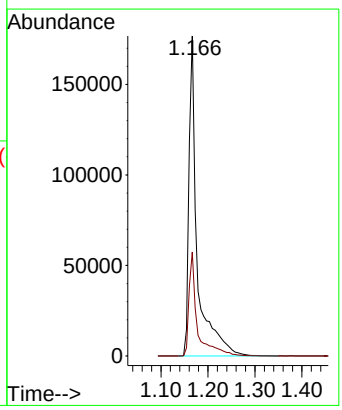


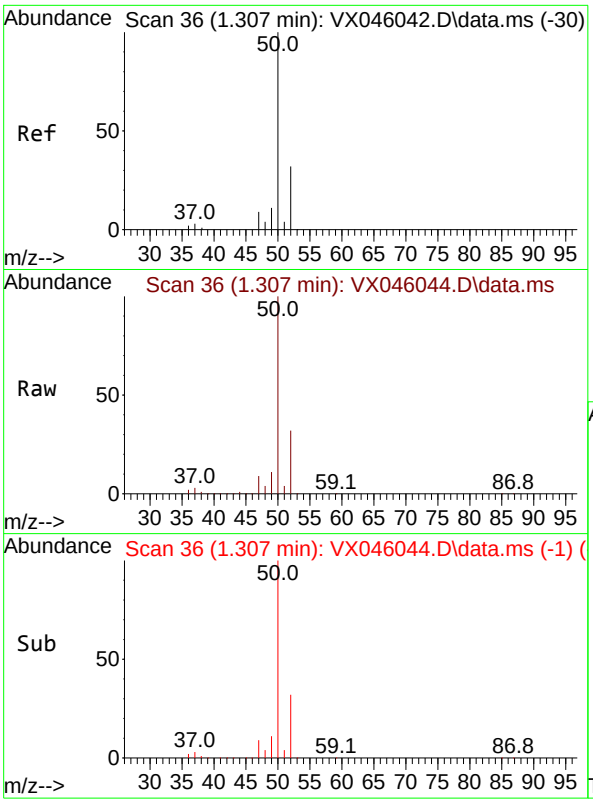


#2
Dichlorodifluoromethane
Concen: 118.929 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 85 Resp: 217793

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1



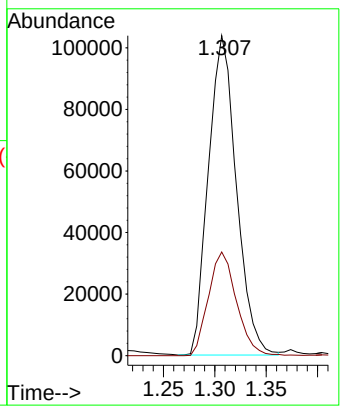


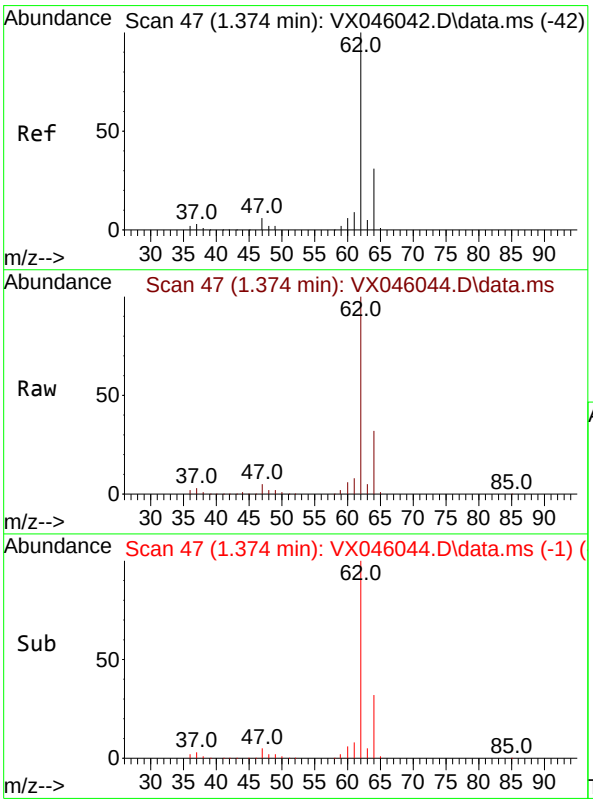
#3
Chloromethane
Concen: 109.161 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 196843

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.4	38.2

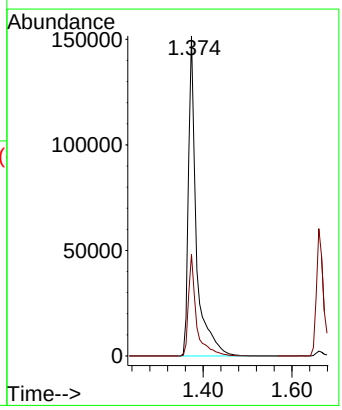


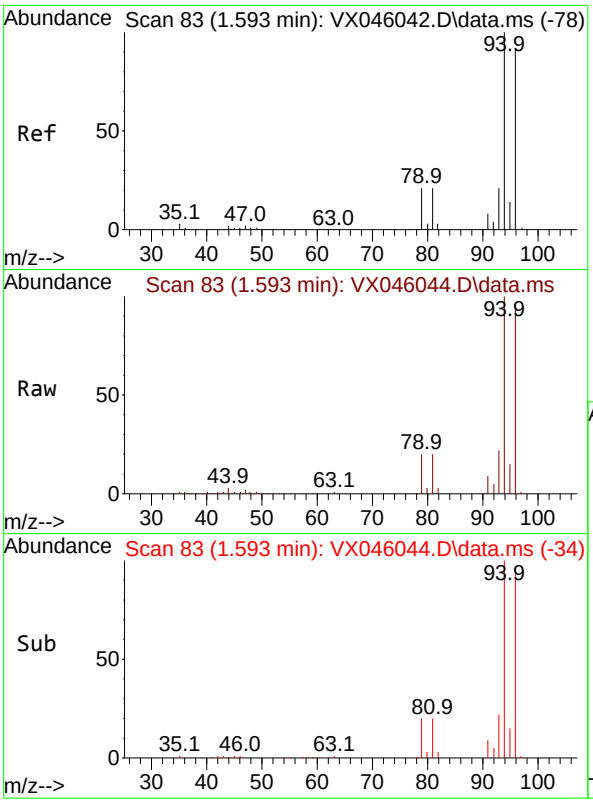


#4
Vinyl Chloride
Concen: 118.953 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 62 Resp: 187924

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.2	37.8



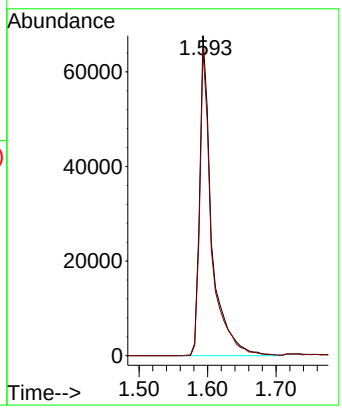


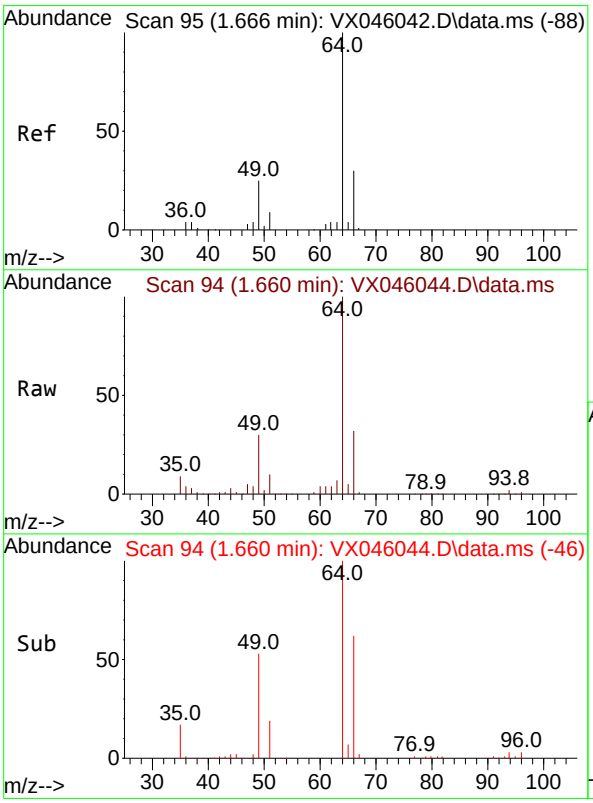
#5
Bromomethane
Concen: 103.625 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 83008

Ion	Ratio	Lower	Upper
94	100		
96	95.8	72.8	109.2

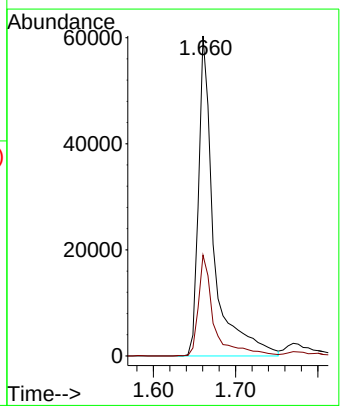


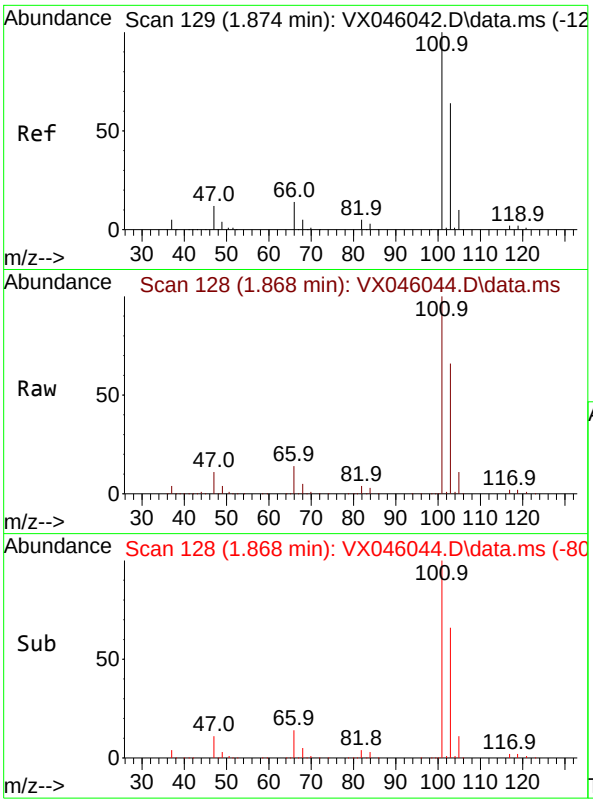


#6
Chloroethane
Concen: 96.822 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 64 Resp: 78806

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.3	36.5



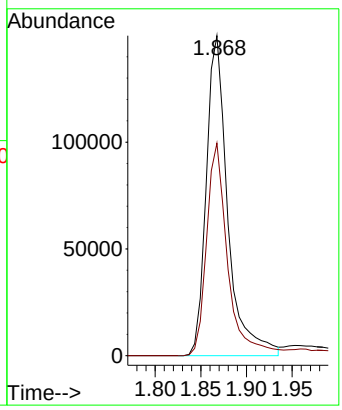


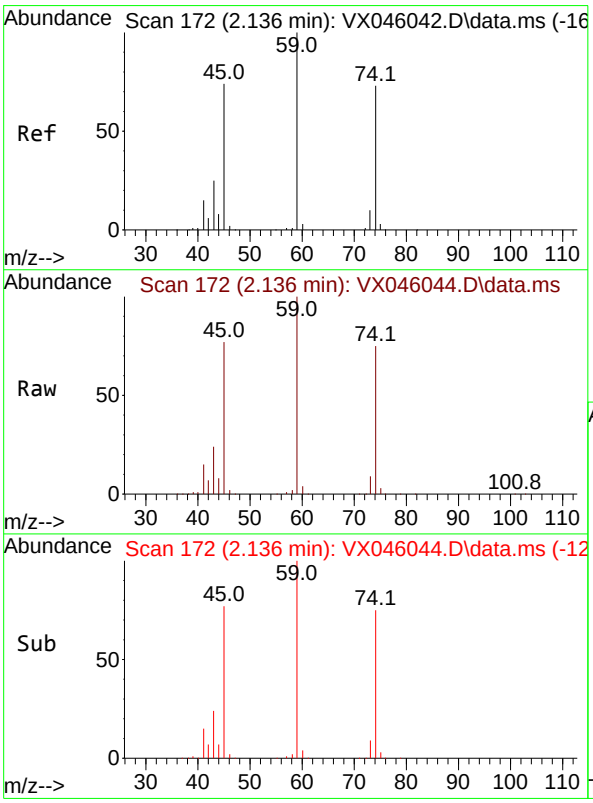
#7
Trichlorofluoromethane
Concen: 101.851 ug/l
RT: 1.868 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 245108

Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.0	76.4

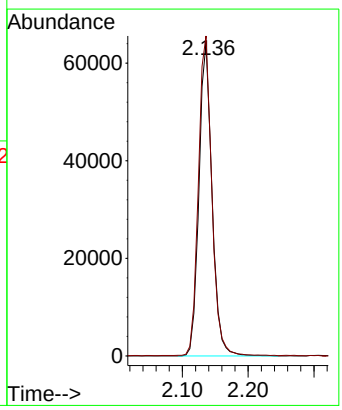


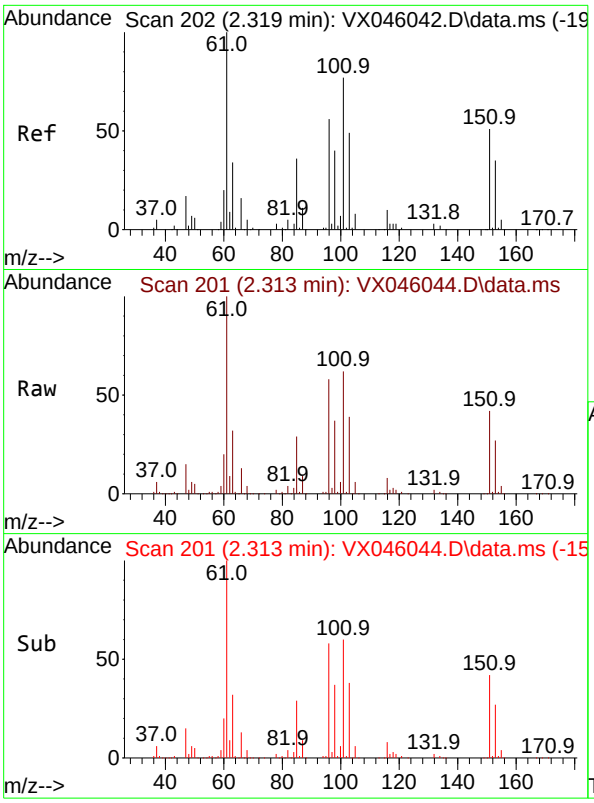


#8
Diethyl Ether
Concen: 111.791 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 74 Resp: 88441

Ion	Ratio	Lower	Upper
74	100		
45	104.7	54.9	164.8



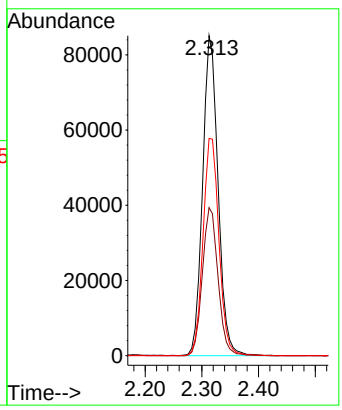


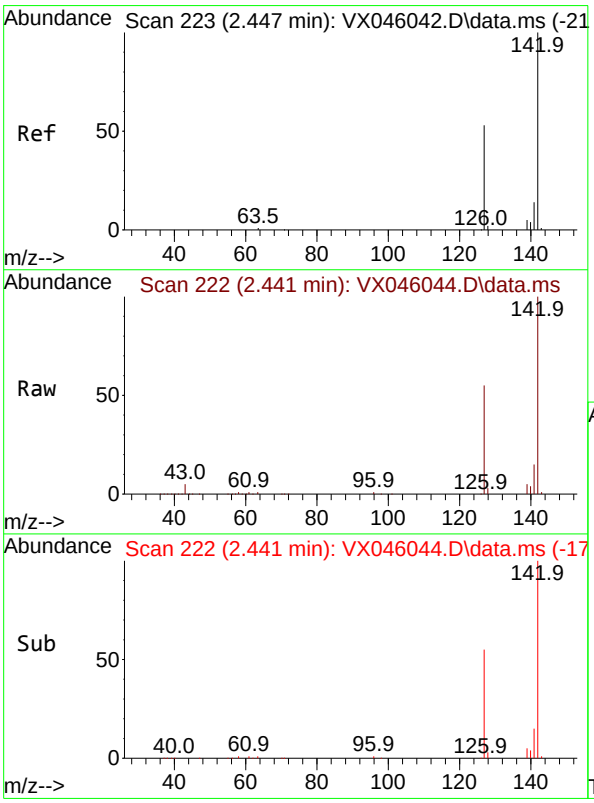
#9
1,1,2-Trichlorotrifluoroethane
Concen: 112.243 ug/l
RT: 2.313 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 161404

Ion	Ratio	Lower	Upper
101	100		
85	46.8	38.6	58.0
151	69.8	55.2	82.8

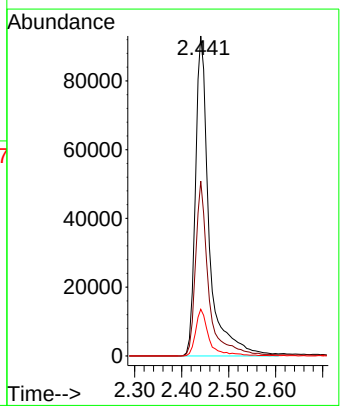


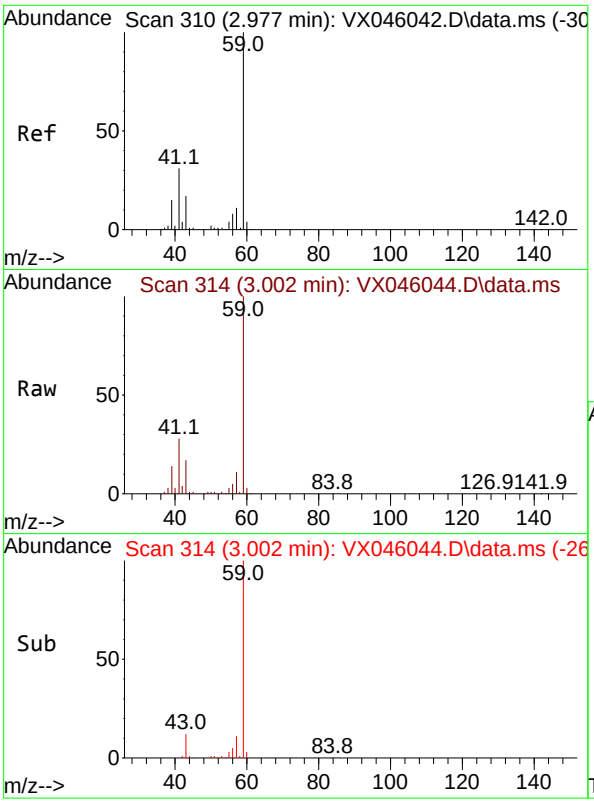


#10
Methyl Iodide
Concen: 112.441 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:142 Resp: 189843

Ion	Ratio	Lower	Upper
142	100		
127	52.4	41.7	62.5
141	14.4	11.5	17.3



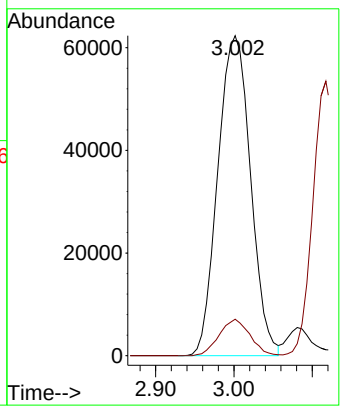


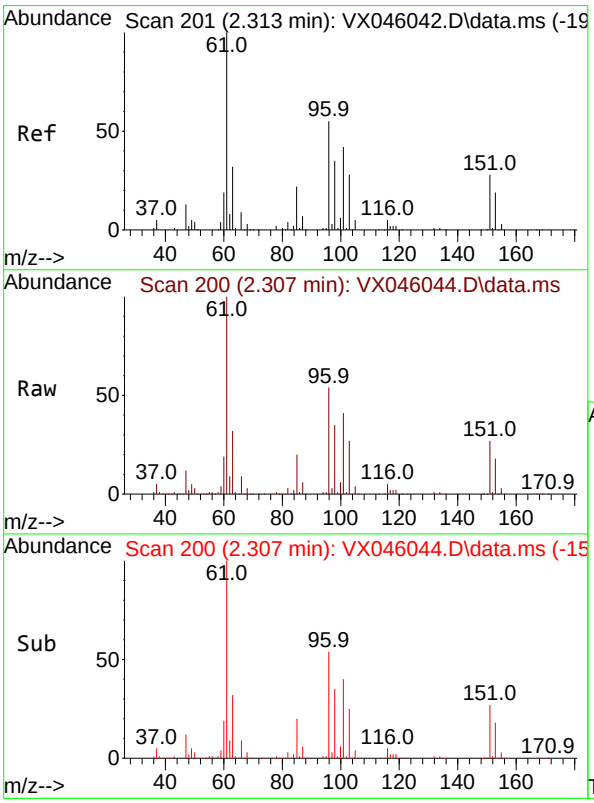
#11
Tert butyl alcohol
Concen: 616.119 ug/l
RT: 3.002 min Scan# 3
Delta R.T. 0.024 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 181238

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

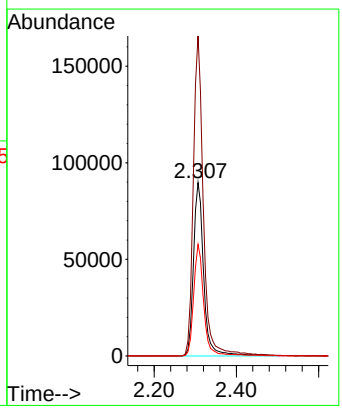


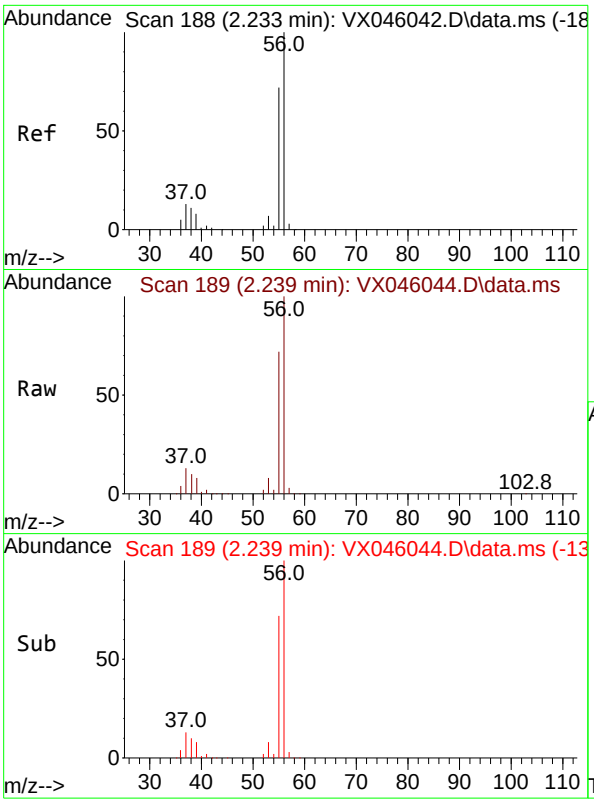


#12
1,1-Dichloroethene
Concen: 111.039 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 96 Resp: 155451

Ion	Ratio	Lower	Upper
96	100		
61	184.5	146.2	219.2
98	64.3	51.0	76.6



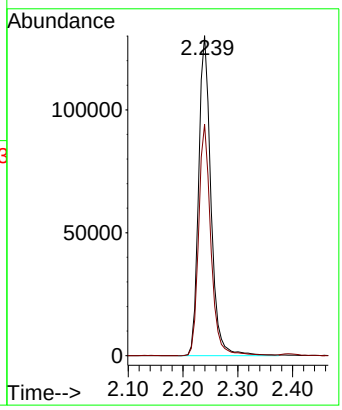


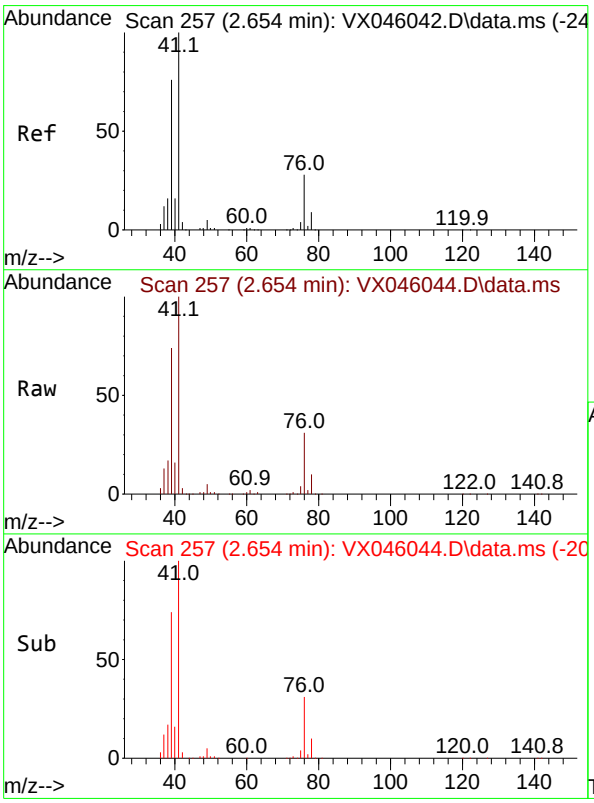
#13
Acrolein
Concen: 594.872 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 203257

Ion	Ratio	Lower	Upper
56	100		
55	72.1	56.2	84.4

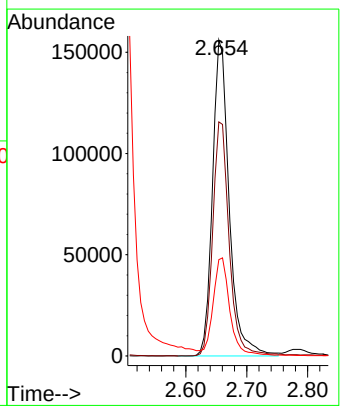


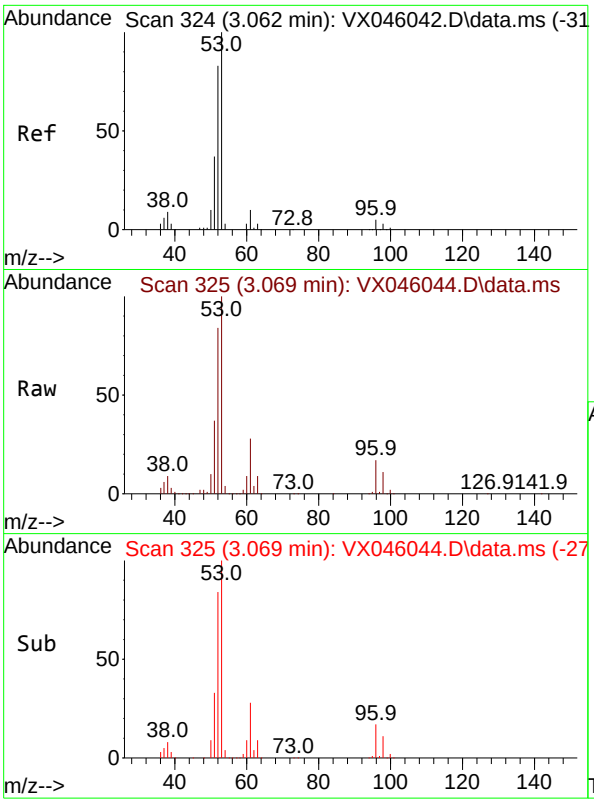


#14
Allyl chloride
Concen: 112.561 ug/l
RT: 2.654 min Scan# 257
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 297776

Ion	Ratio	Lower	Upper
41	100		
39	73.7	60.6	90.8
76	31.8	24.9	37.3



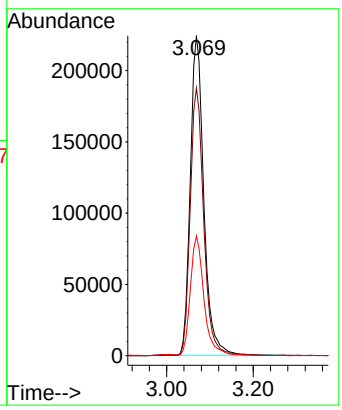


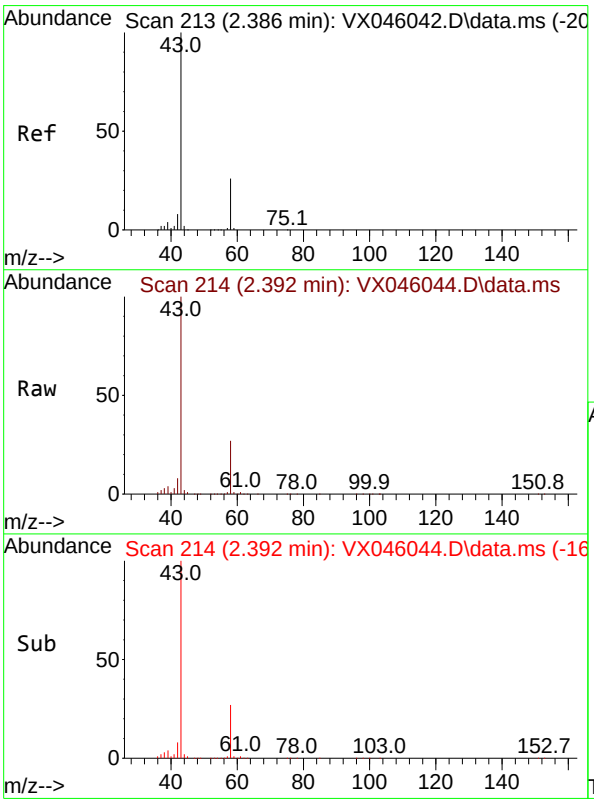
#15
Acrylonitrile
Concen: 550.973 ug/l
RT: 3.069 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 484854

Ion	Ratio	Lower	Upper
53	100		
52	84.2	65.3	97.9
51	37.5	29.8	44.8

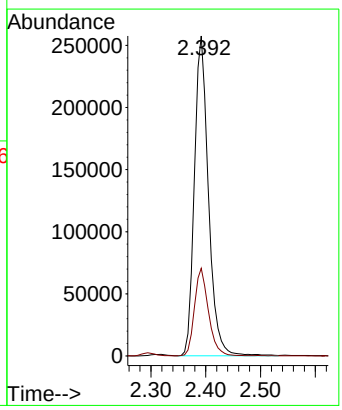


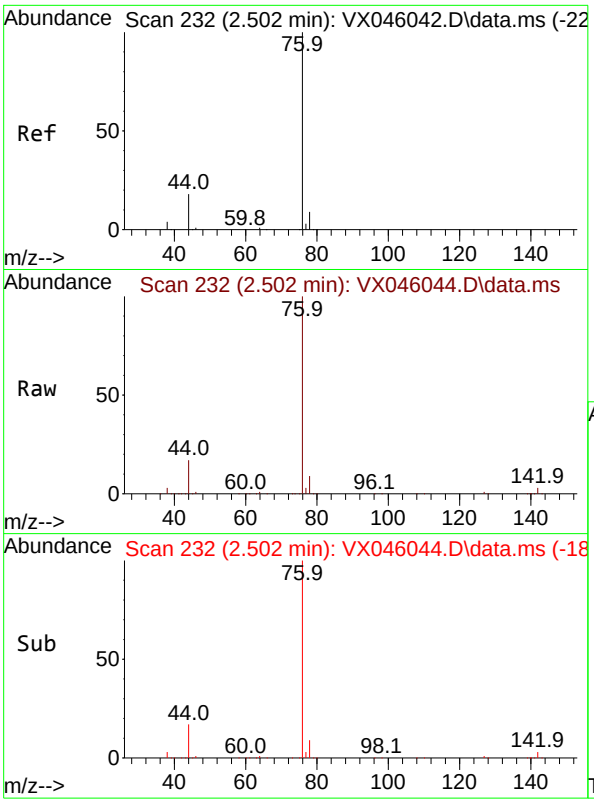


#16
Acetone
Concen: 545.754 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 460820

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.2	31.8



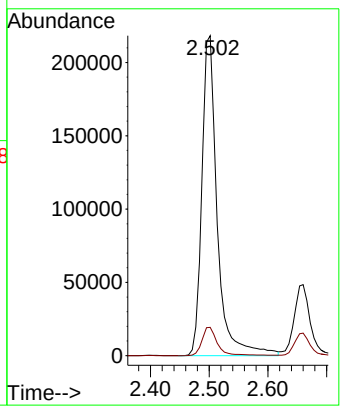


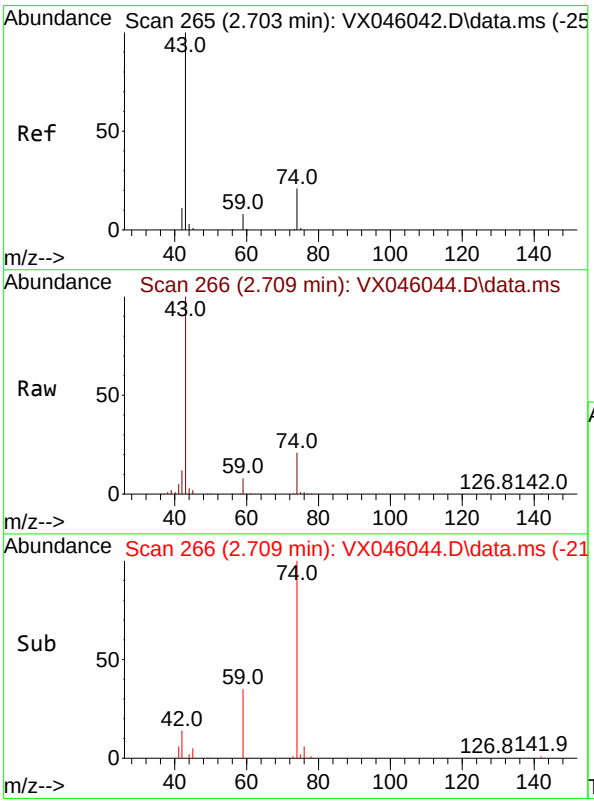
#17
Carbon Disulfide
Concen: 122.499 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 397353

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

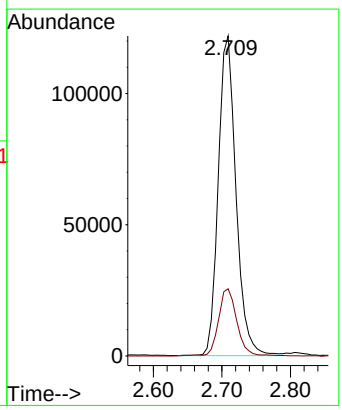


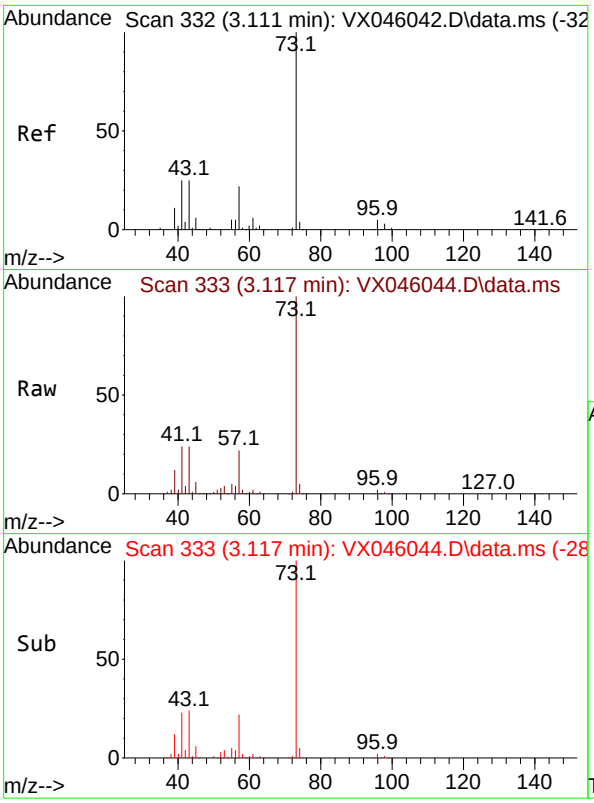


#18
Methyl Acetate
Concen: 108.099 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 217885

Ion	Ratio	Lower	Upper
43	100		
74	21.9	16.7	25.1



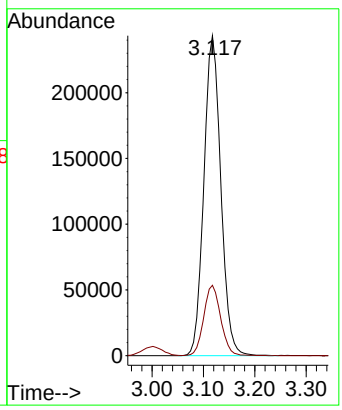


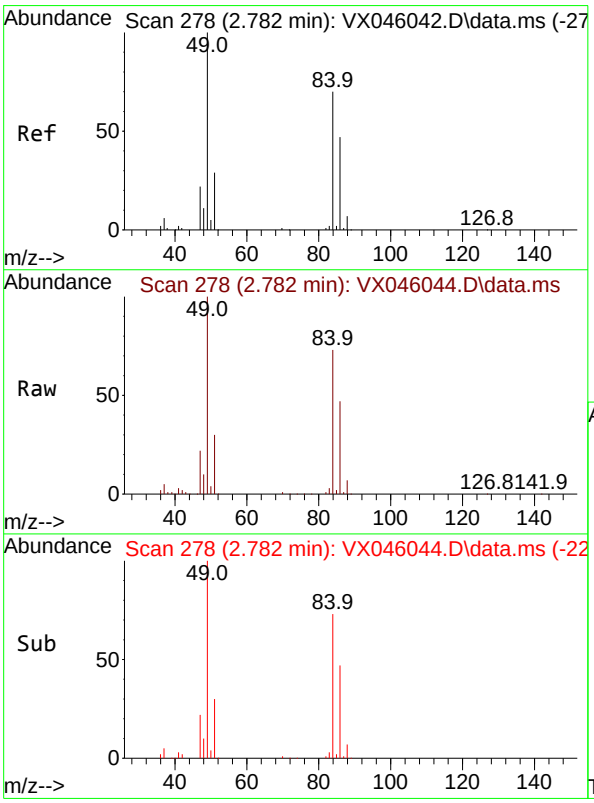
#19
Methyl tert-butyl Ether
Concen: 114.112 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 557210

Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.7	26.5

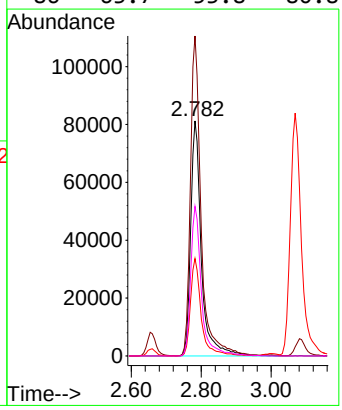


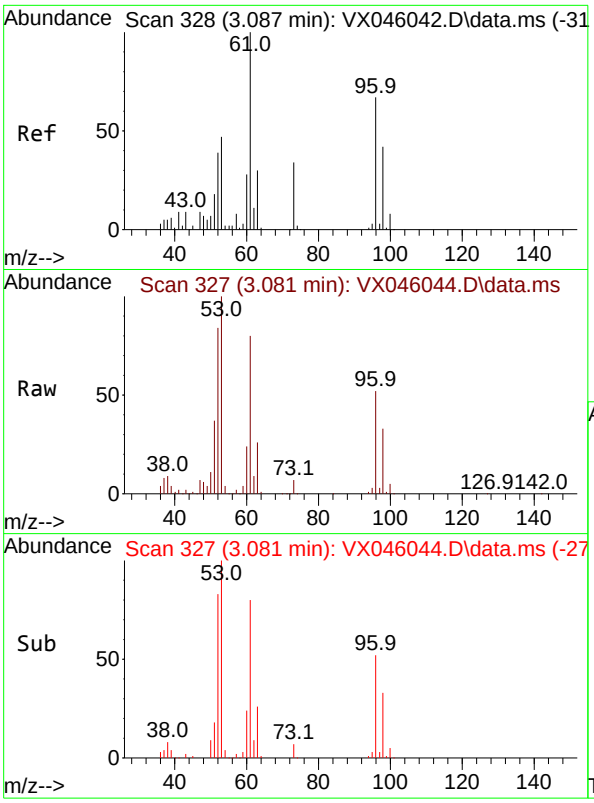


#20
Methylene Chloride
Concen: 100.579 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 84 Resp: 172035

Ion	Ratio	Lower	Upper
84	100		
49	136.0	113.9	170.9
51	41.5	33.5	50.3
86	63.7	53.8	80.8



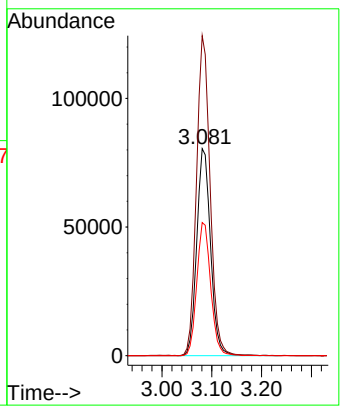


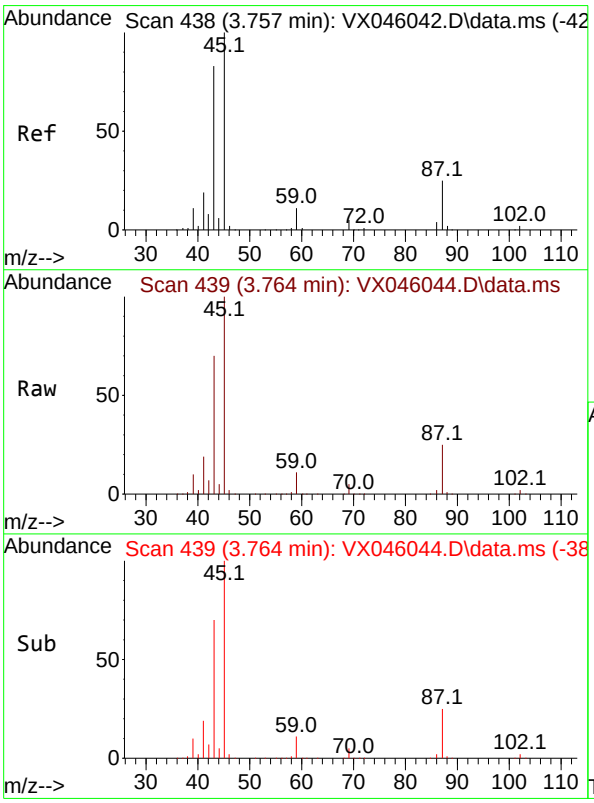
#21
trans-1,2-Dichloroethene
Concen: 108.241 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 154694

Ion	Ratio	Lower	Upper
96	100		
61	154.6	119.5	179.3
98	64.3	50.0	75.0

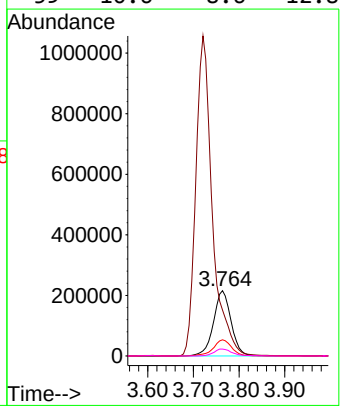


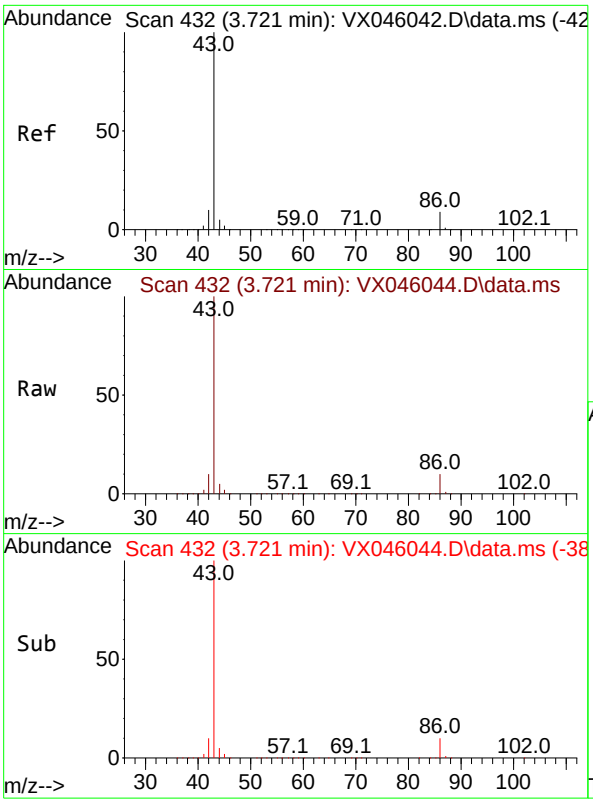


#22
Diisopropyl ether
Concen: 116.858 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 45 Resp: 577610

Ion	Ratio	Lower	Upper
45	100		
43	70.3	66.6	100.0
87	24.7	19.8	29.6
59	10.6	8.6	12.8



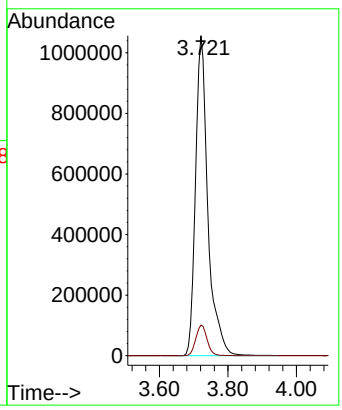


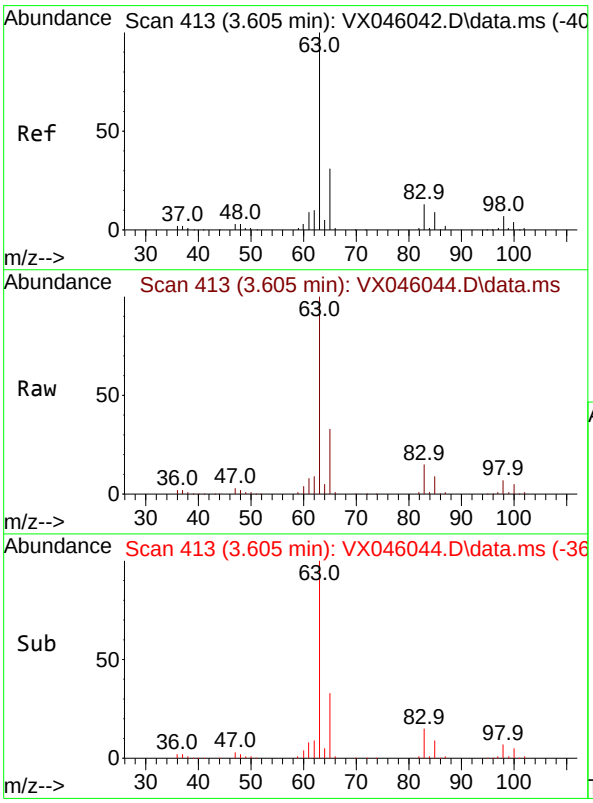
#23
Vinyl Acetate
Concen: 608.005 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2655751

Ion	Ratio	Lower	Upper
43	100		
86	9.6	7.5	11.3

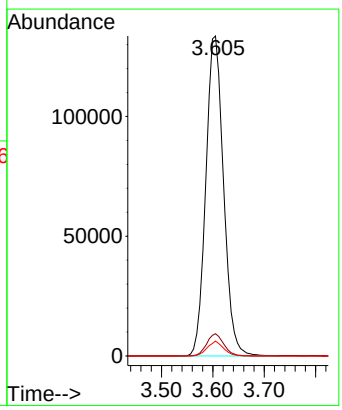


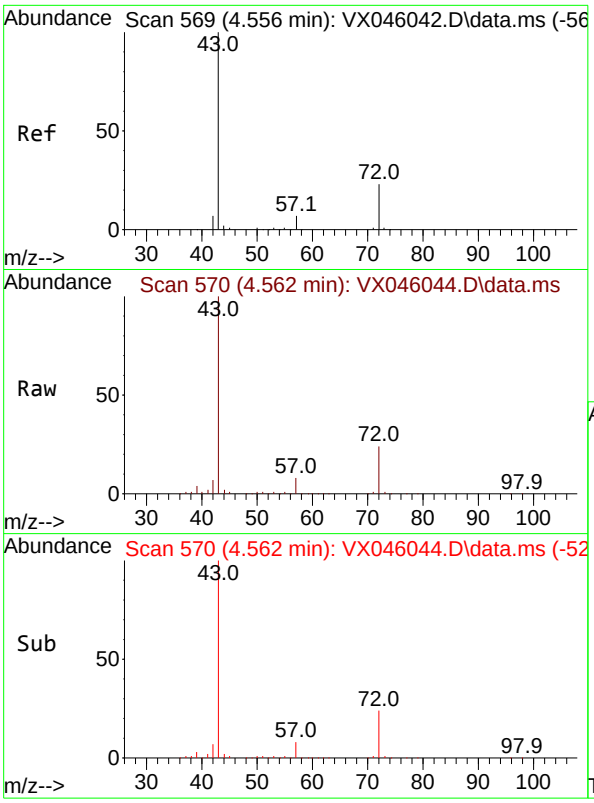


#24
1,1-Dichloroethane
Concen: 110.182 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 63 Resp: 320083

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.6	10.8
100	4.7	2.1	6.3



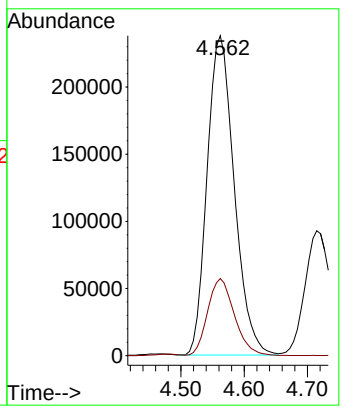


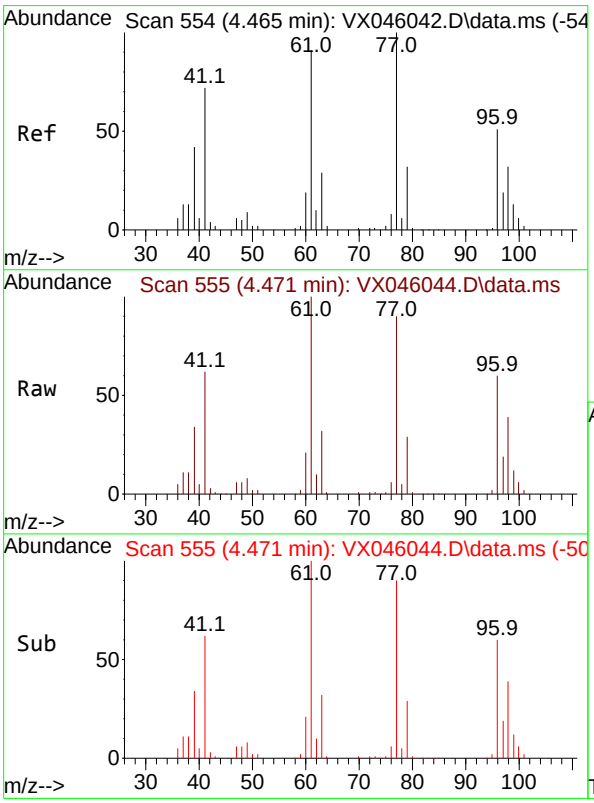
#25
2-Butanone
Concen: 581.292 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 708463

Ion	Ratio	Lower	Upper
43	100		
72	24.0	18.4	27.6

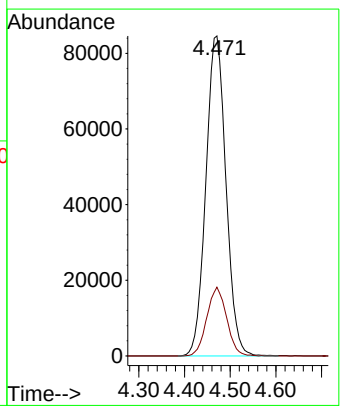


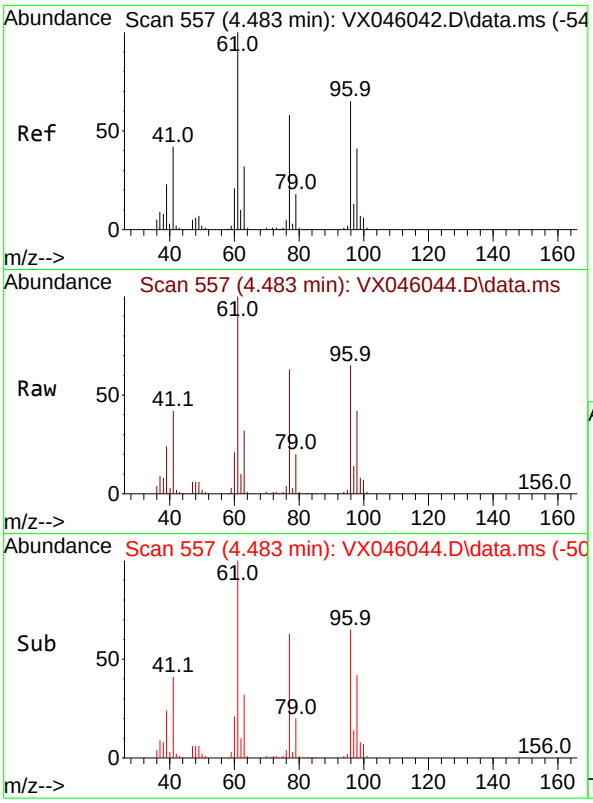


#26
2,2-Dichloropropane
Concen: 117.548 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 77 Resp: 258698

Ion	Ratio	Lower	Upper
77	100		
97	21.1	10.5	31.5



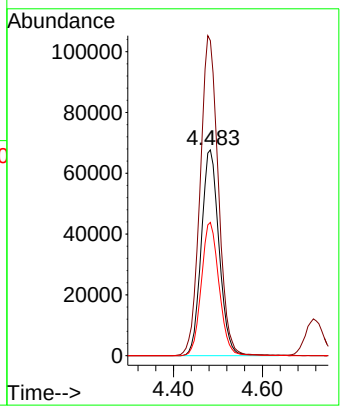


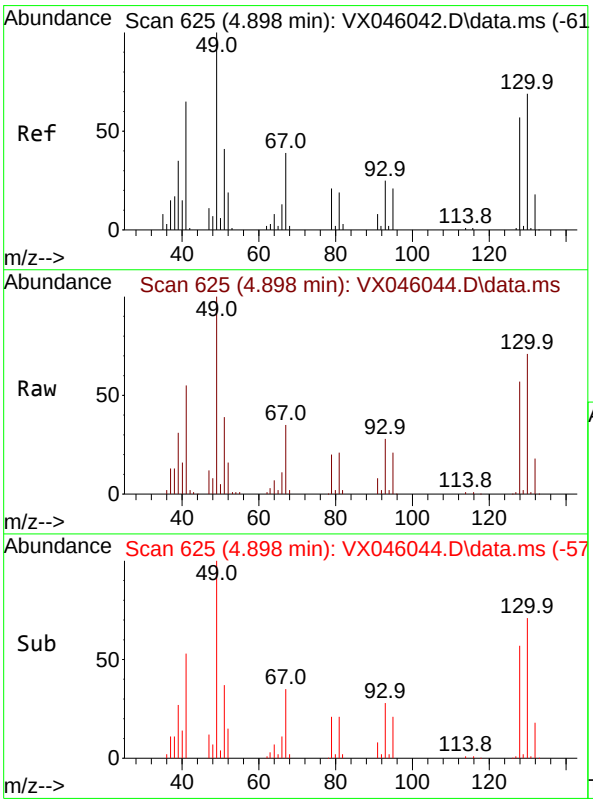
#27
cis-1,2-Dichloroethene
Concen: 108.994 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 187835

Ion	Ratio	Lower	Upper
96	100		
61	159.8	0.0	322.8
98	64.8	0.0	129.0

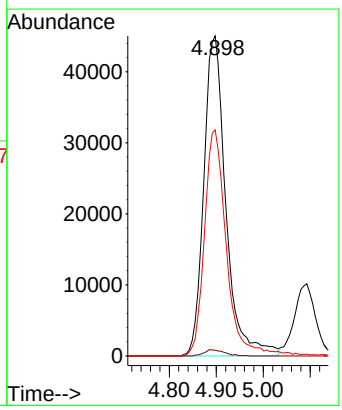


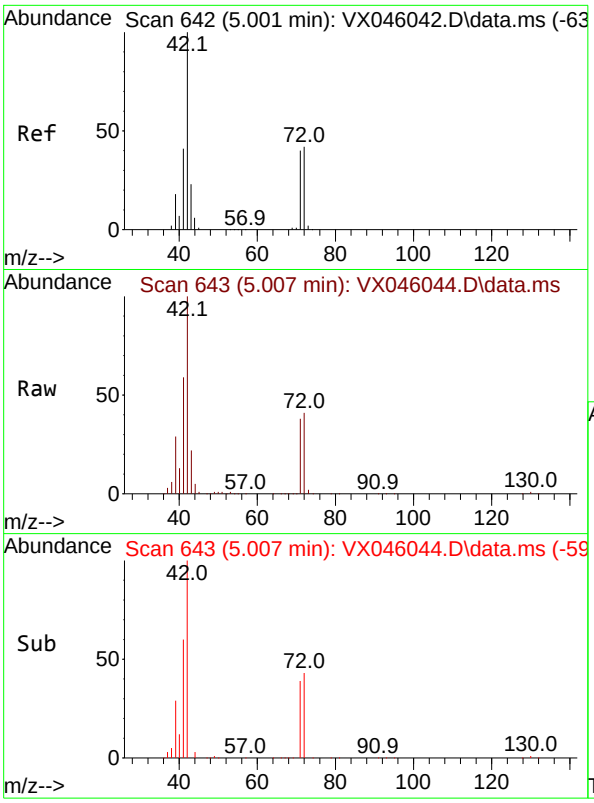


#28
Bromochloromethane
Concen: 95.108 ug/l
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 49 Resp: 146923

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	70.5	56.2	84.2



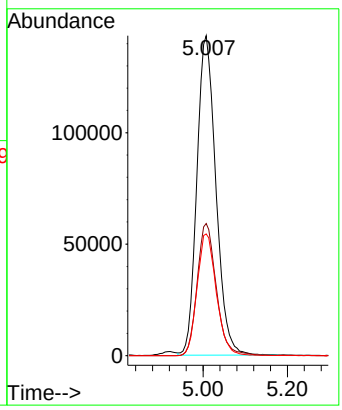


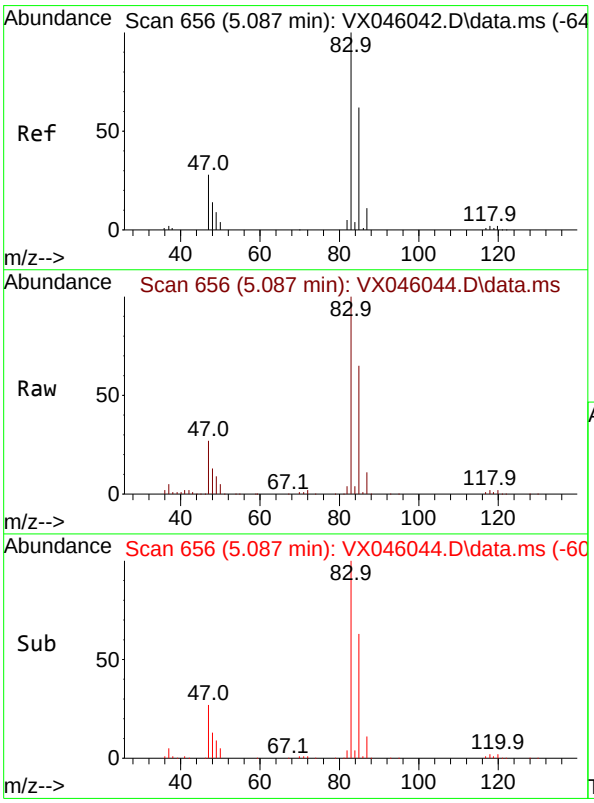
#29
Tetrahydrofuran
Concen: 569.081 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 450456

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	38.7	31.4	47.2

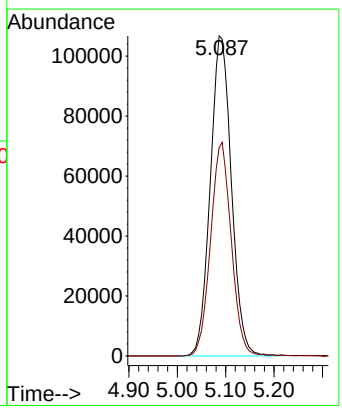


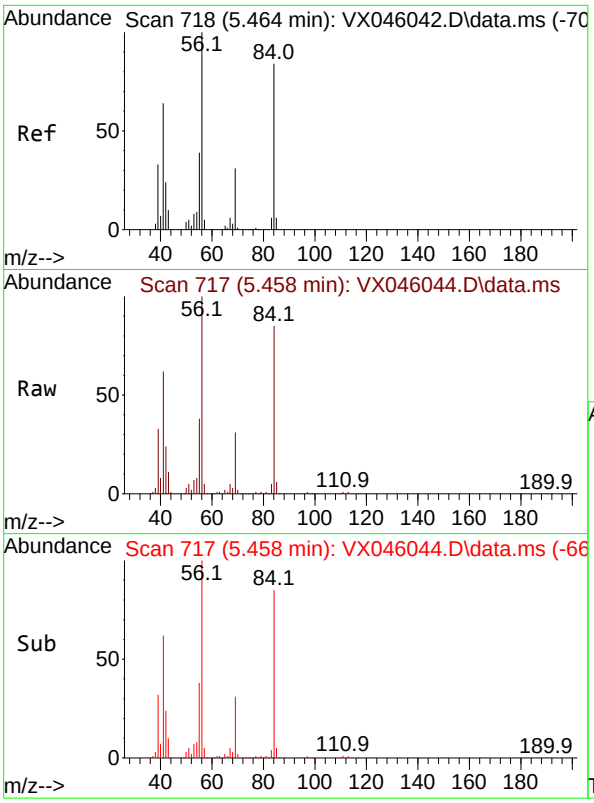


#30
Chloroform
Concen: 107.208 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 83 Resp: 323659

Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.3	73.9



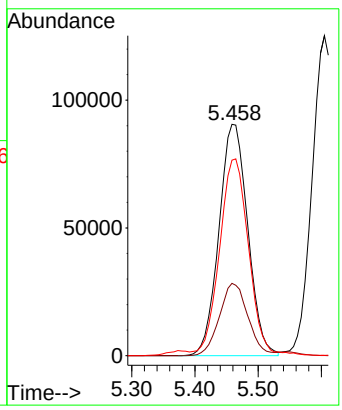


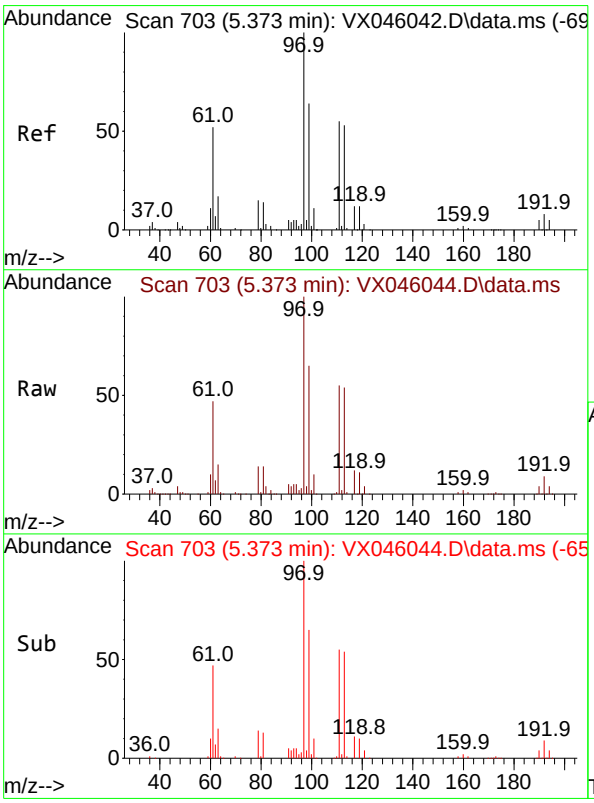
#31
Cyclohexane
Concen: 116.934 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 286312

Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.4	36.6
84	82.8	66.9	100.3

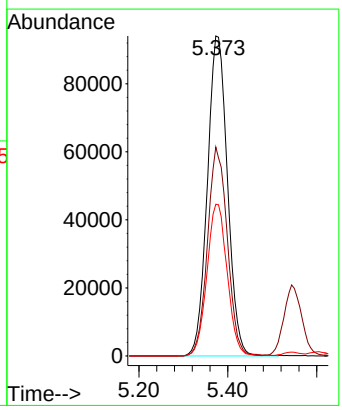


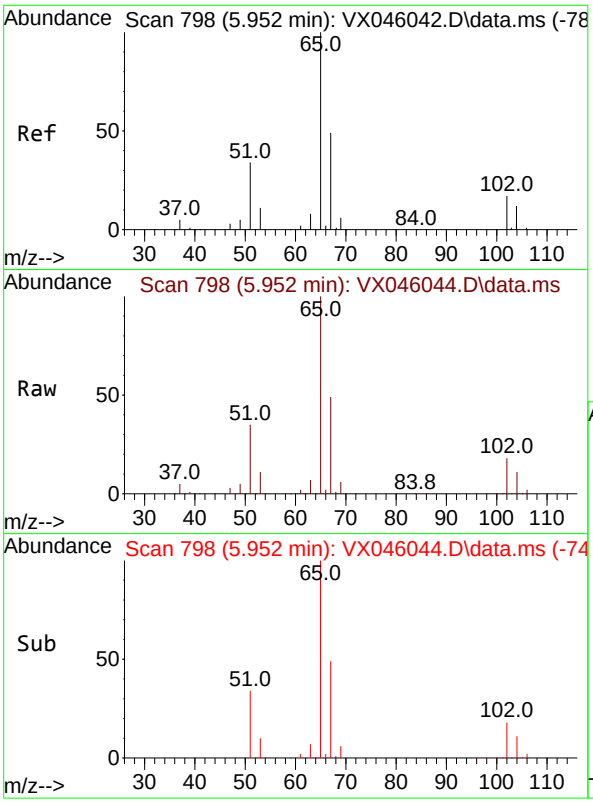


#32
1,1,1-Trichloroethane
Concen: 113.572 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 97 Resp: 295702

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	48.0	40.1	60.1



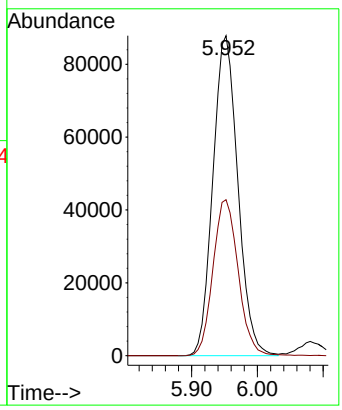


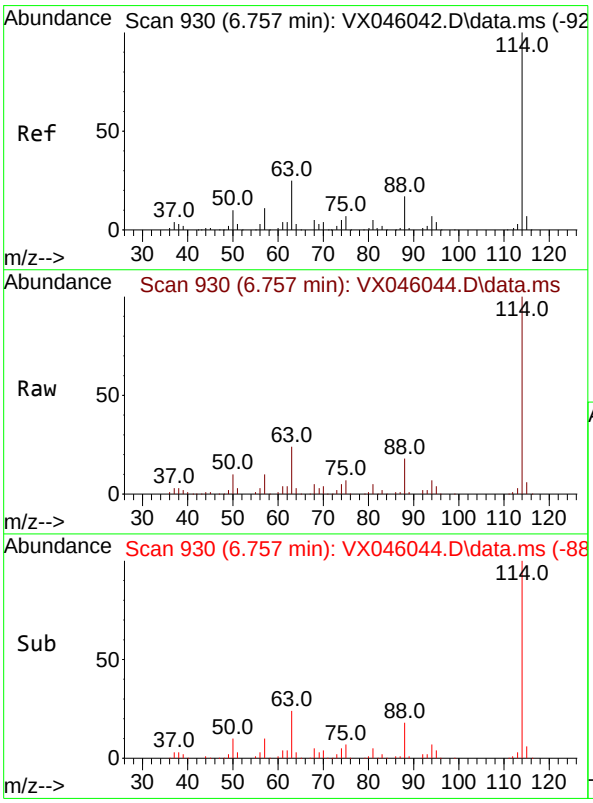
#33
1,2-Dichloroethane-d4
Concen: 93.983 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 231952

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0

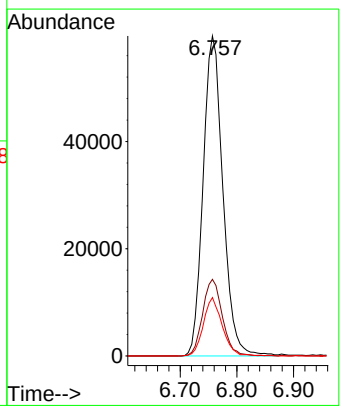


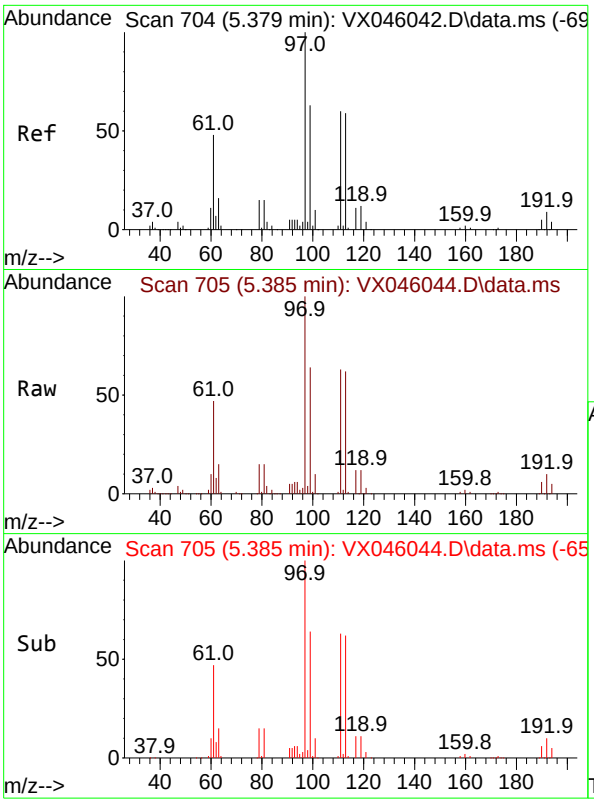


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:114 Resp: 144975

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	49.2
88	18.3	0.0	33.6



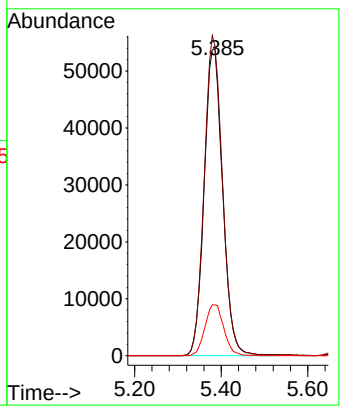


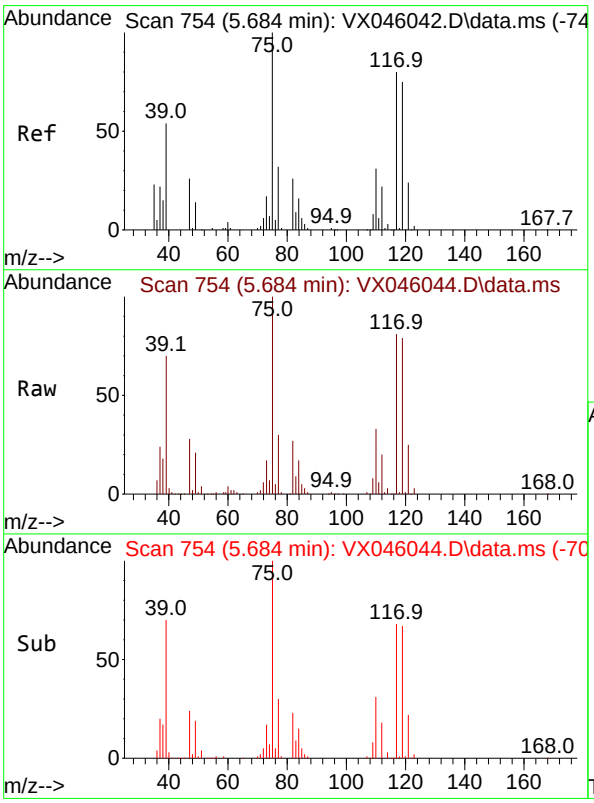
#35
Dibromofluoromethane
Concen: 98.562 ug/l
RT: 5.385 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 160168

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	16.9	13.3	19.9

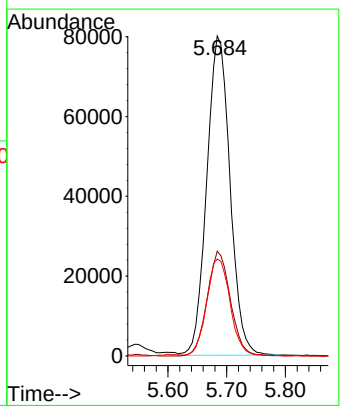


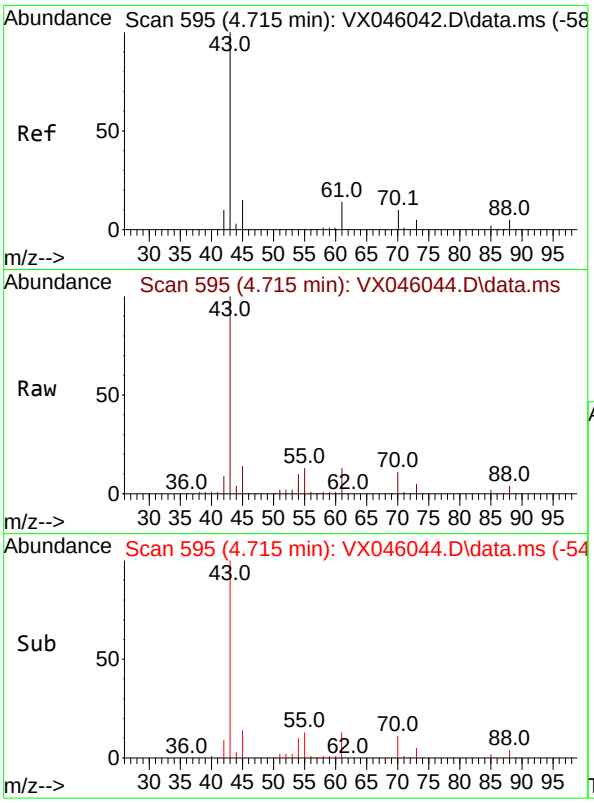


#36
1,1-Dichloropropene
Concen: 116.462 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 219731

Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.3	48.9
77	30.8	24.3	36.5



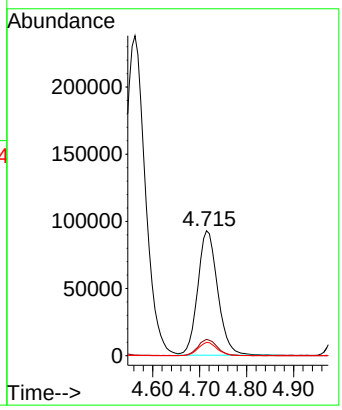


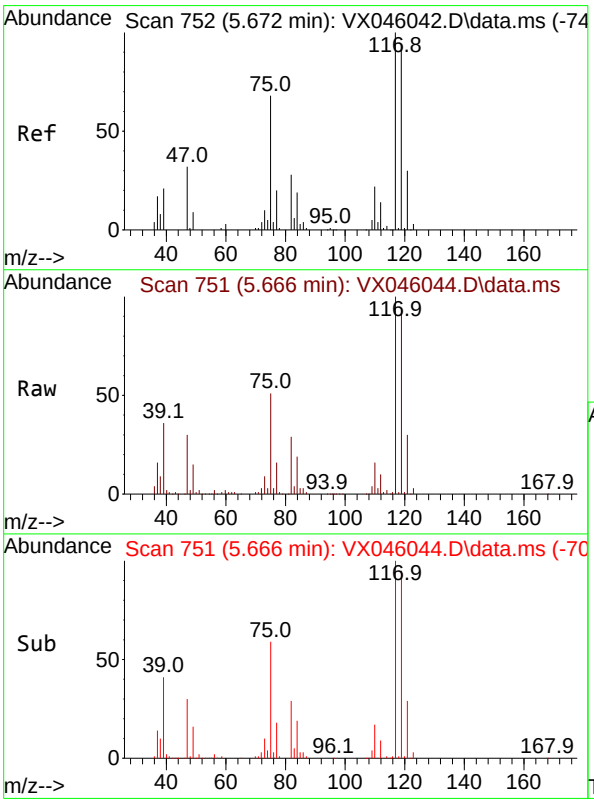
#37
Ethyl Acetate
Concen: 115.889 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 274312

Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.3	15.5
70	10.2	7.9	11.9

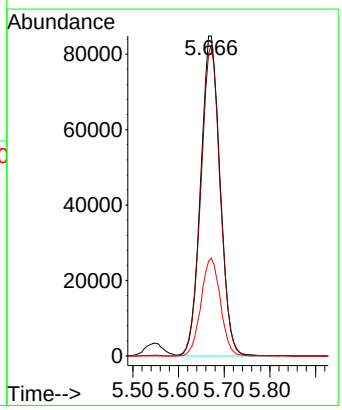


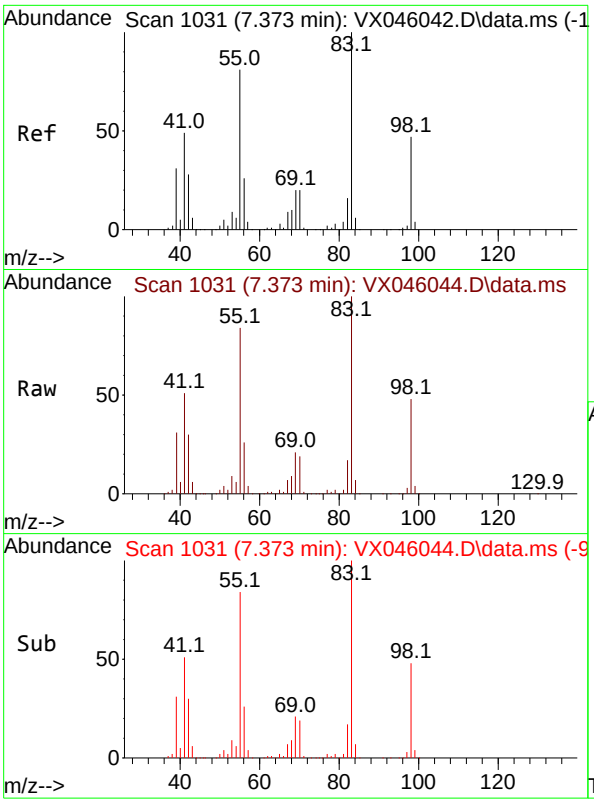


#38
Carbon Tetrachloride
Concen: 115.760 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 250916

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.2	112.8
121	29.7	24.2	36.4



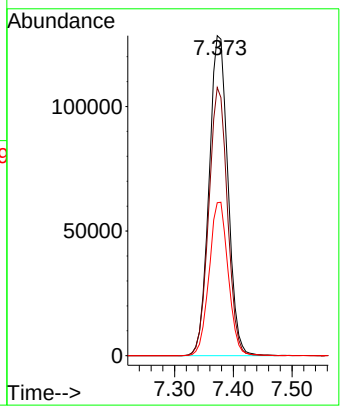


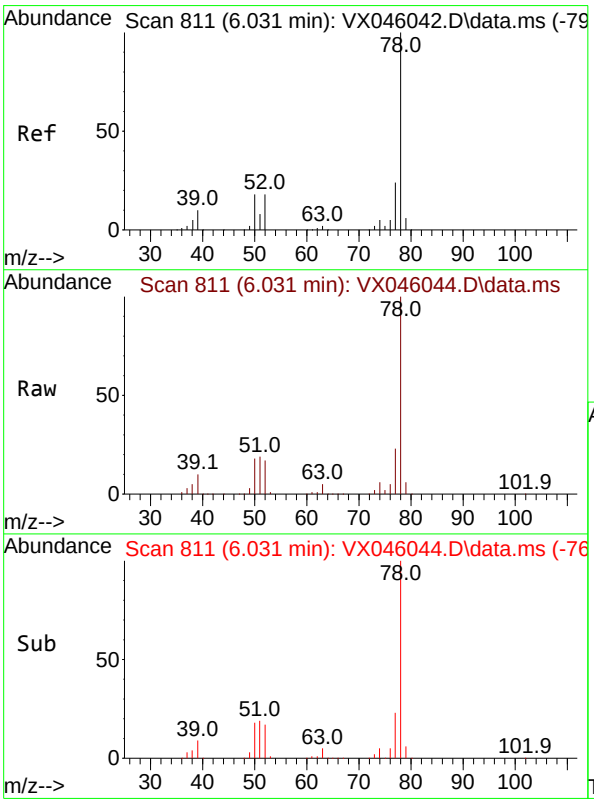
#39
Methylcyclohexane
Concen: 121.107 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 286311

Ion	Ratio	Lower	Upper
83	100		
55	83.8	64.7	97.1
98	47.8	37.4	56.2

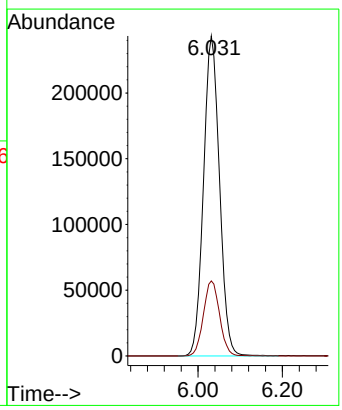


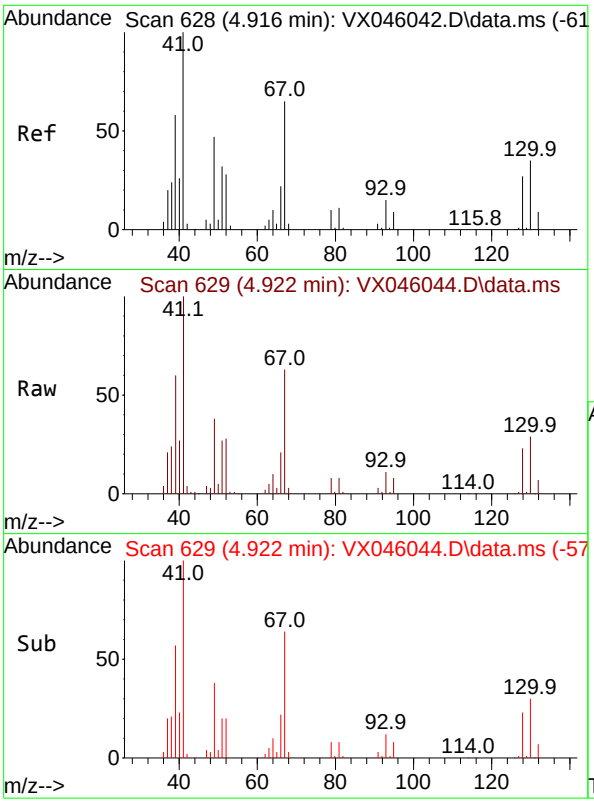


#40
Benzene
Concen: 109.813 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 78 Resp: 642178

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4



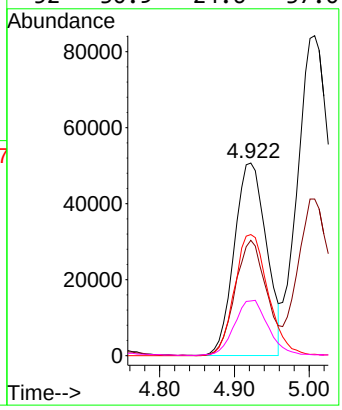


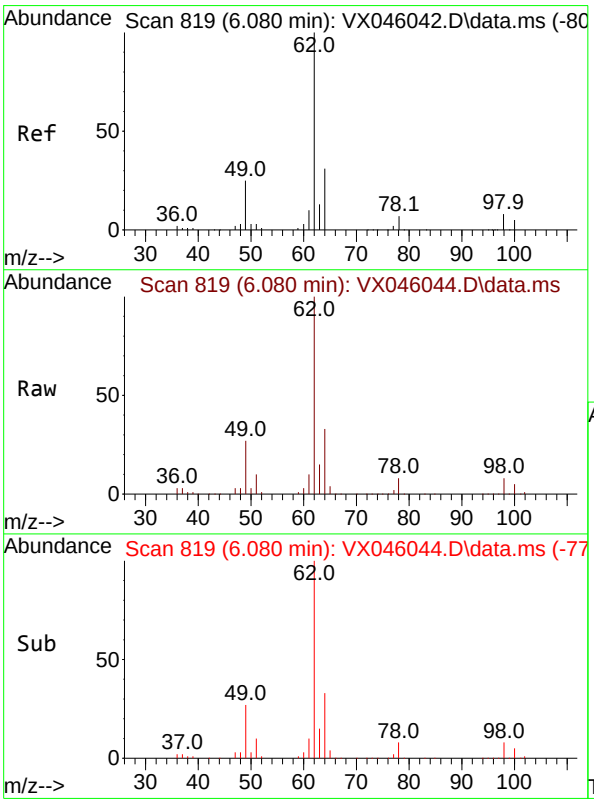
#41
Methacrylonitrile
Concen: 115.139 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 151424

Ion	Ratio	Lower	Upper
41	100		
39	60.0	47.2	70.8
67	65.9	50.7	76.1
52	30.9	24.6	37.0

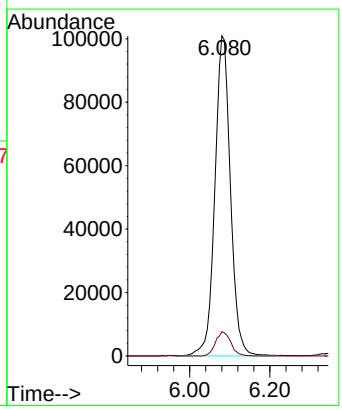


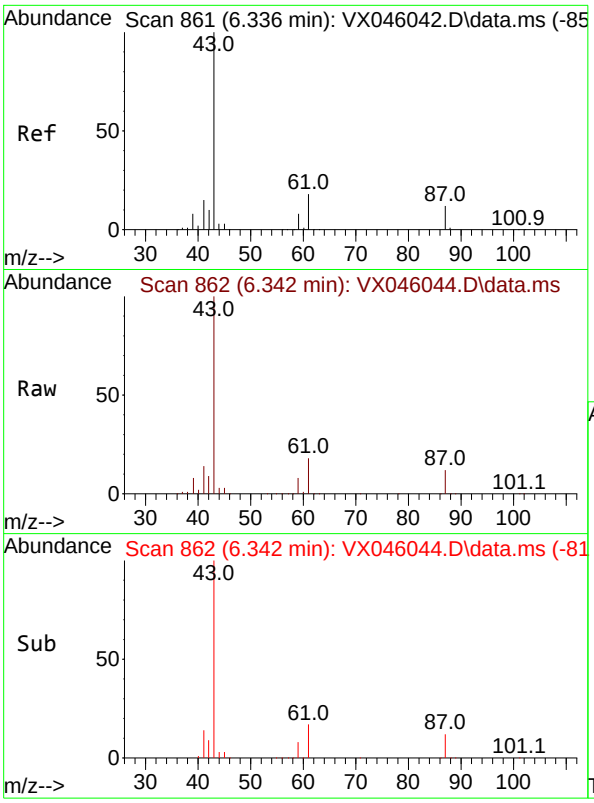


#42
1,2-Dichloroethane
Concen: 112.492 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 62 Resp: 271992

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2



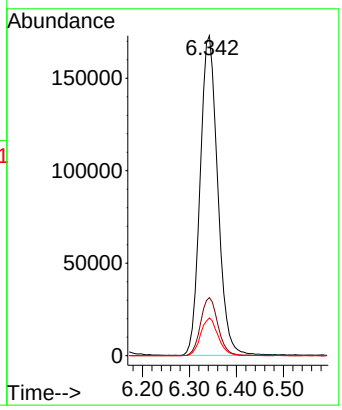


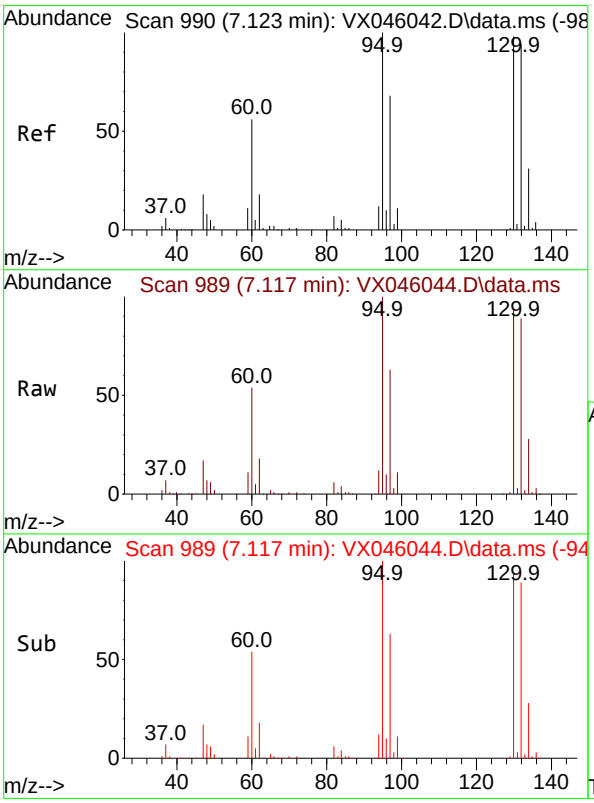
#43
Isopropyl Acetate
Concen: 123.780 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 447871

Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.3	21.5
87	11.7	9.5	14.3

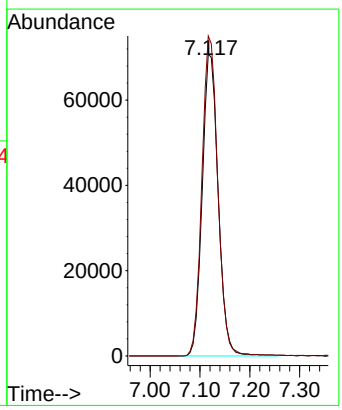


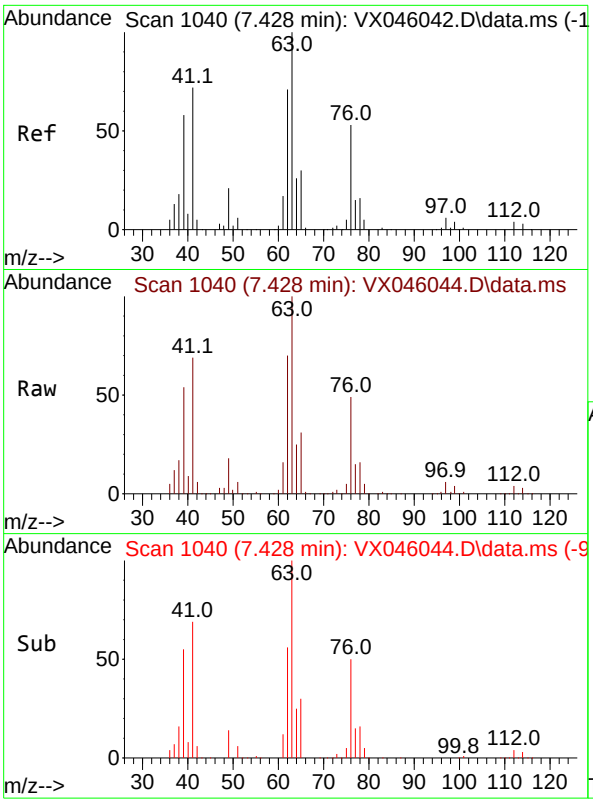


#44
Trichloroethene
Concen: 114.032 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:130 Resp: 157641

Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	204.2



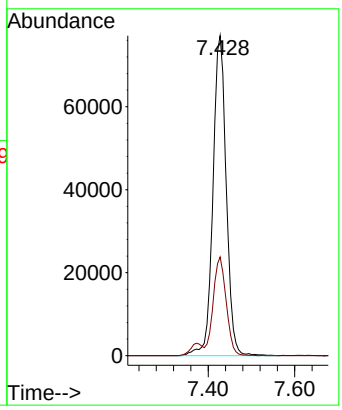


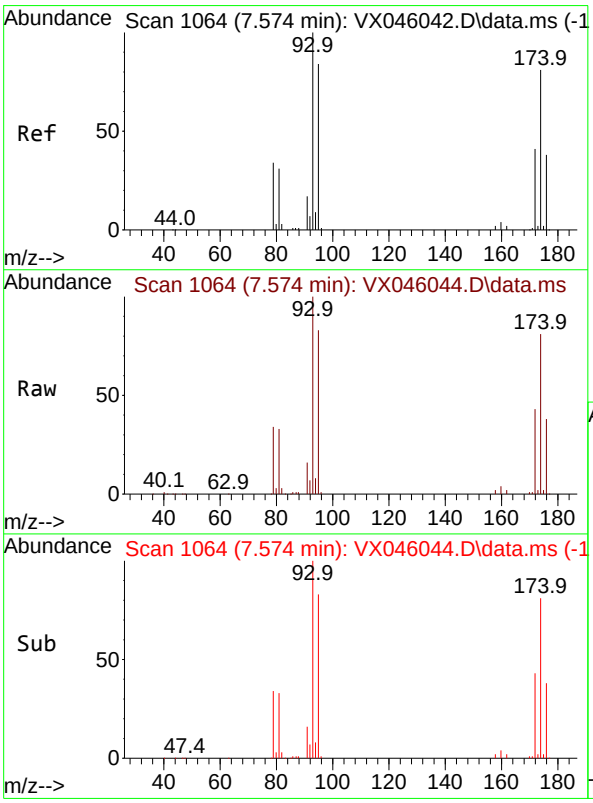
#45
1,2-Dichloropropane
Concen: 113.217 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 164505

Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.1	36.1

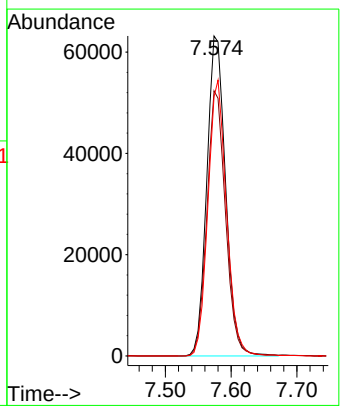


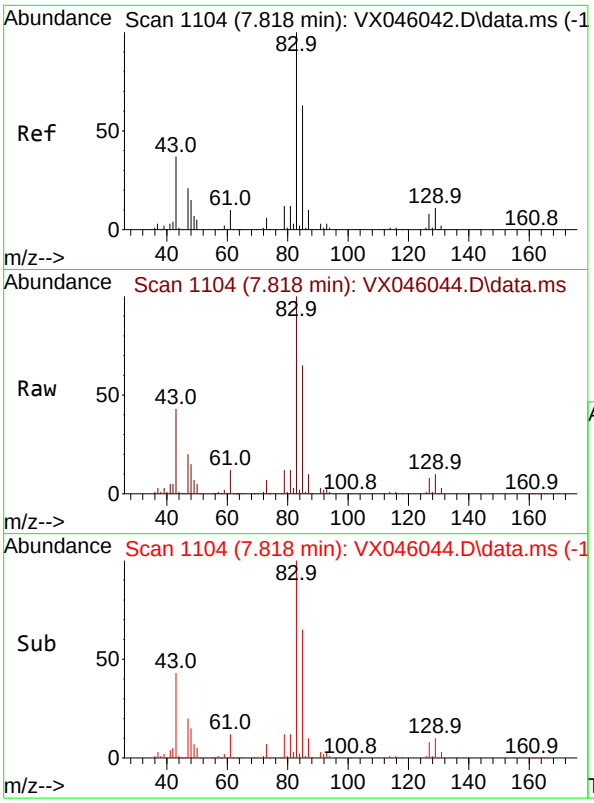


#46
Dibromomethane
Concen: 109.869 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 93 Resp: 125846

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.6	98.4
174	85.0	68.2	102.2



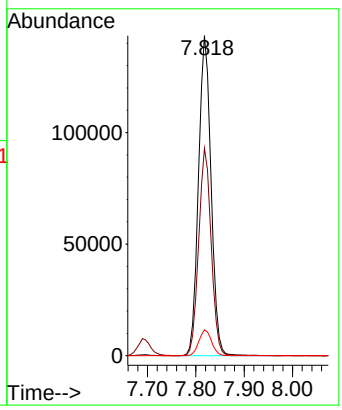


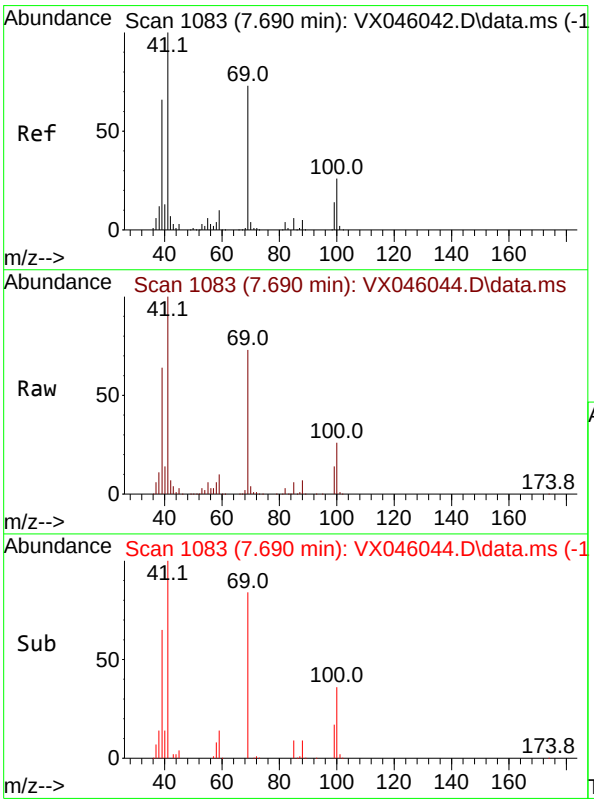
#47
Bromodichloromethane
Concen: 116.365 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 258326

Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.5	75.7
127	8.0	6.5	9.7

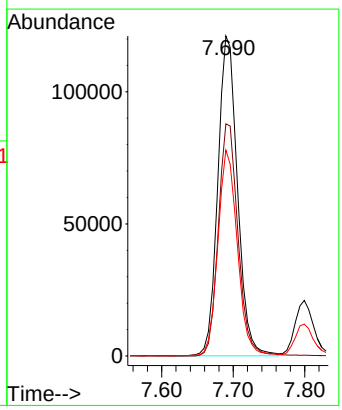


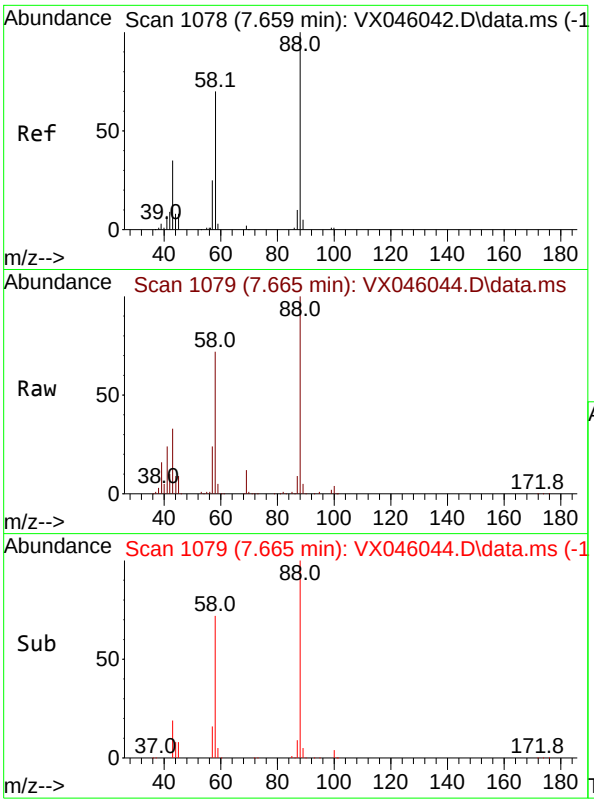


#48
Methyl methacrylate
Concen: 124.356 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 41 Resp: 231040

Ion	Ratio	Lower	Upper
41	100		
69	73.0	58.5	87.7
39	63.8	51.7	77.5



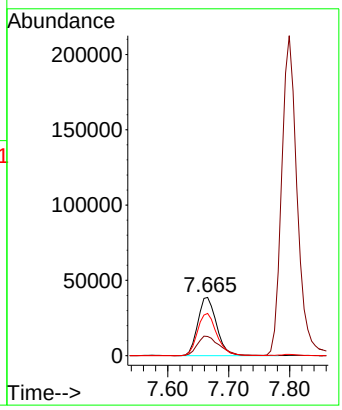


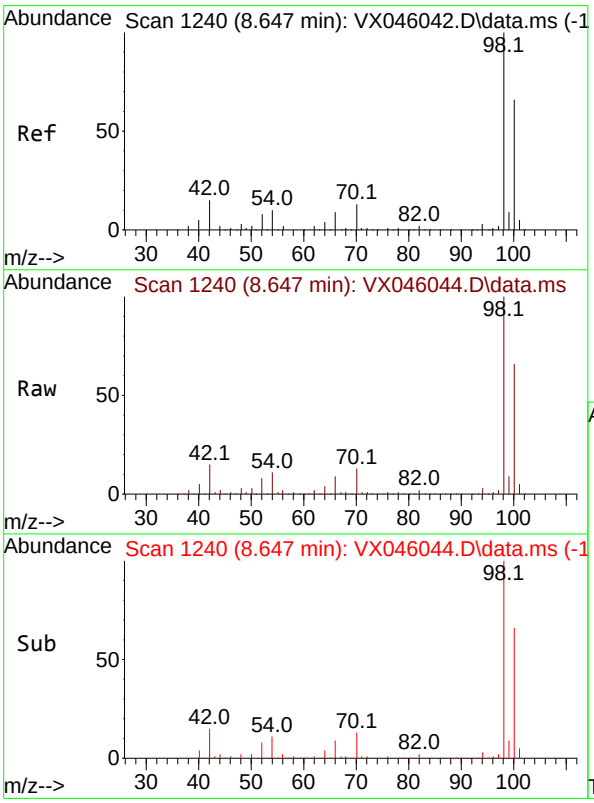
#49
1,4-Dioxane
Concen: 2241.695 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 82800

Ion	Ratio	Lower	Upper
88	100		
43	40.0	33.4	50.2
58	74.8	58.6	88.0

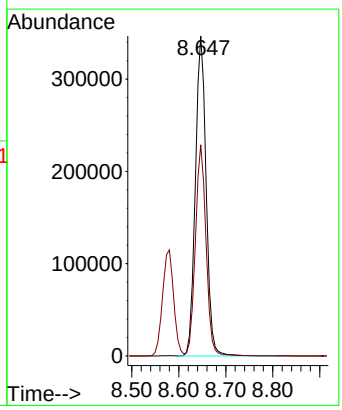


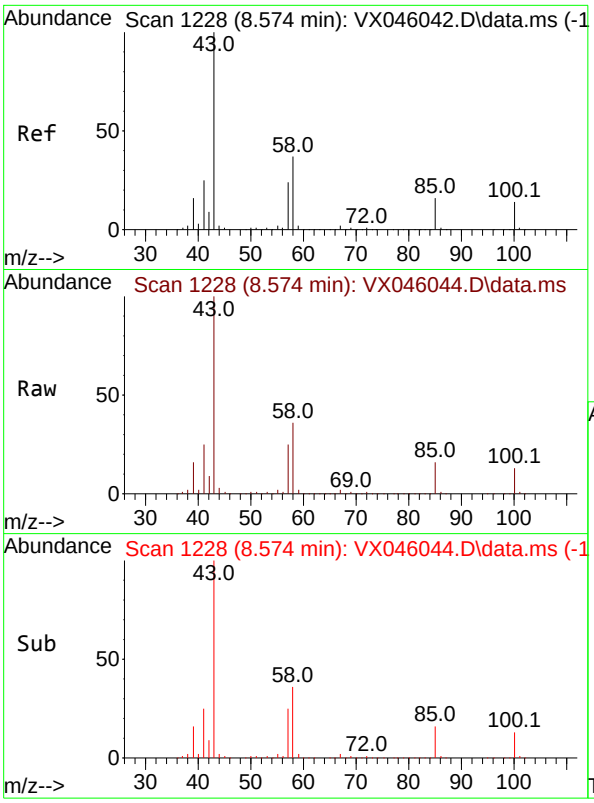


#50
Toluene-d8
Concen: 101.252 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 98 Resp: 554390

Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.5	80.3



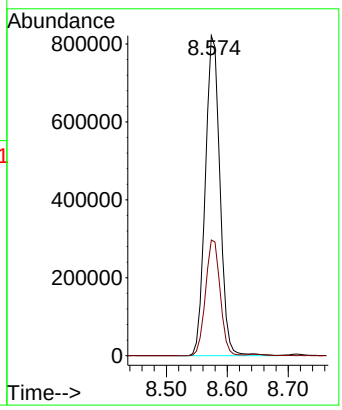


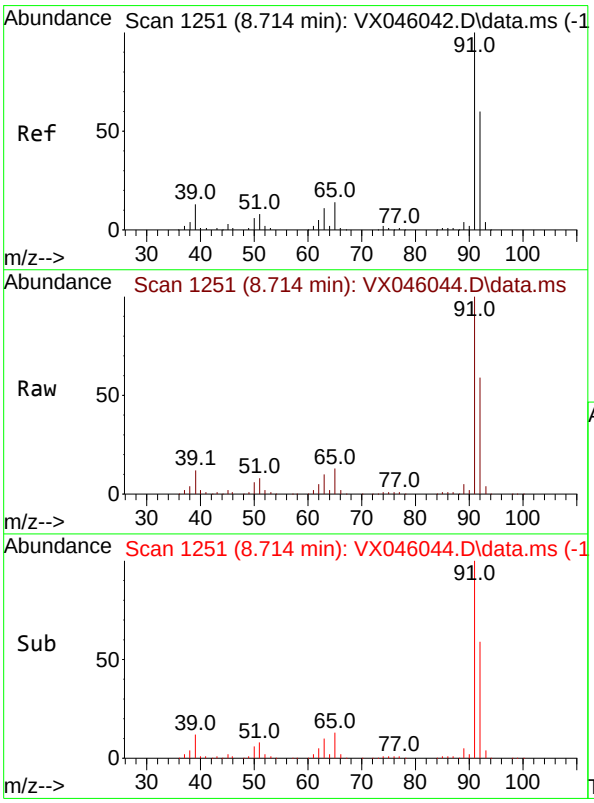
#51
4-Methyl-2-Pentanone
Concen: 577.831 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1371275

Ion	Ratio	Lower	Upper
43	100		
58	36.2	28.9	43.3

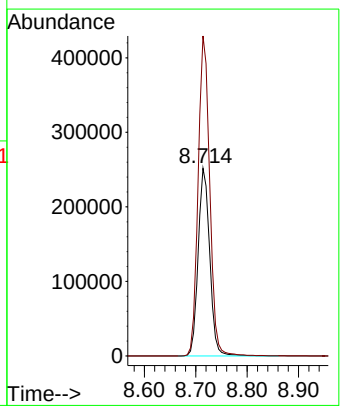


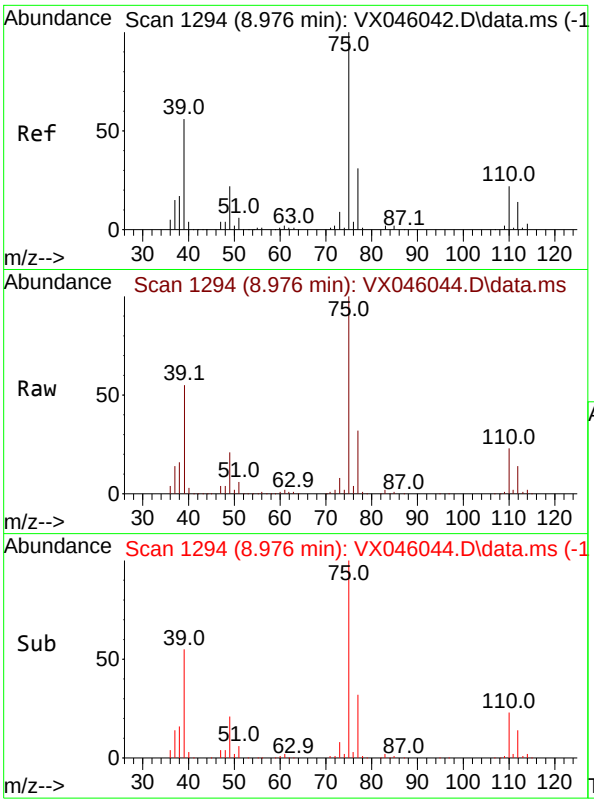


#52
Toluene
Concen: 113.430 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 92 Resp: 393323

Ion	Ratio	Lower	Upper
92	100		
91	171.0	136.6	205.0



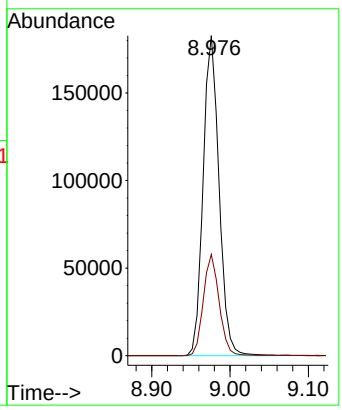


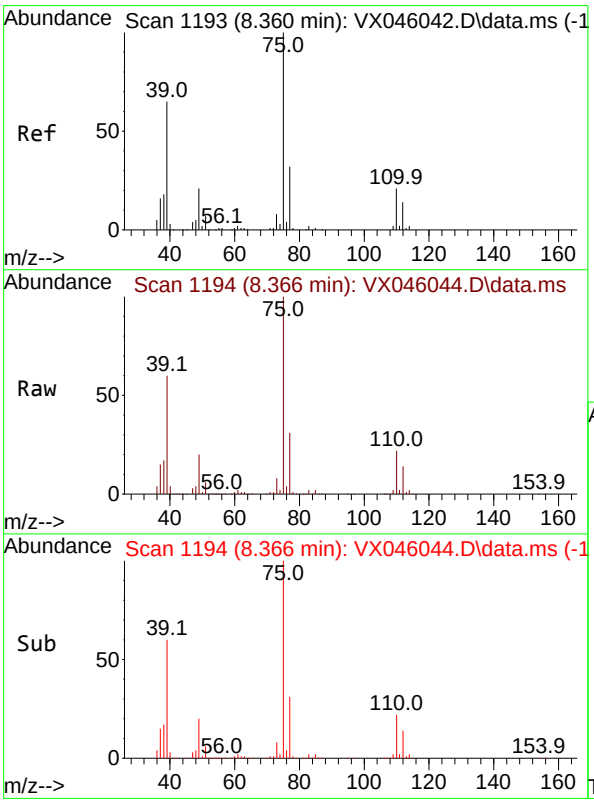
#53
t-1,3-Dichloropropene
Concen: 138.001 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 257233

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6

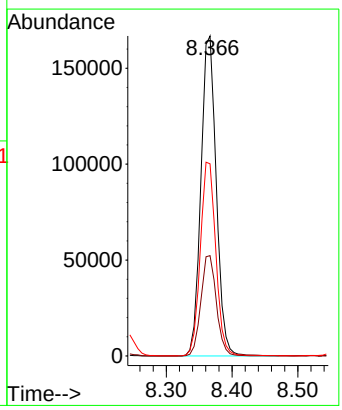


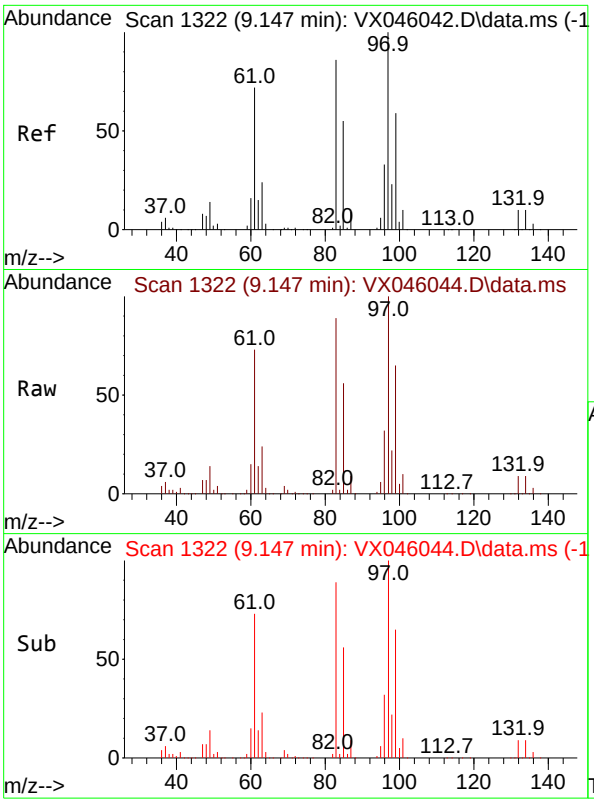


#54
cis-1,3-Dichloropropene
Concen: 124.658 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 271054

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	60.0	52.2	78.4



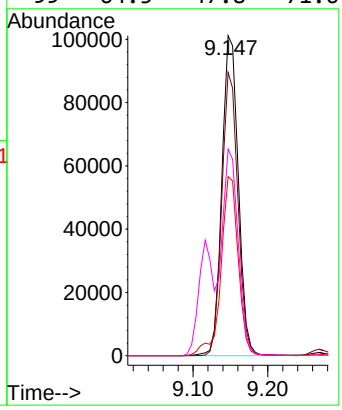


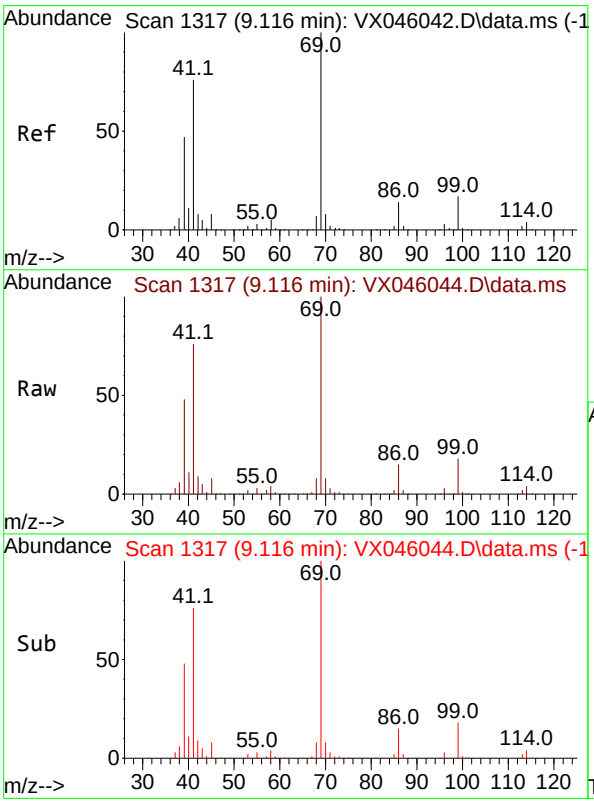
#55
1,1,2-Trichloroethane
Concen: 110.551 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 154932

Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.0	103.6
85	56.0	44.3	66.5
99	64.5	47.8	71.6

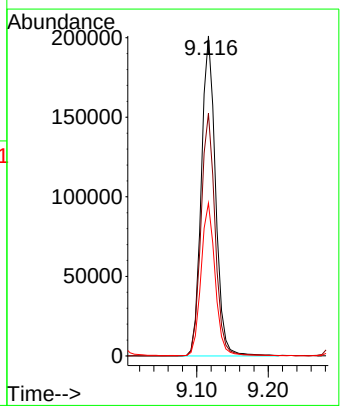


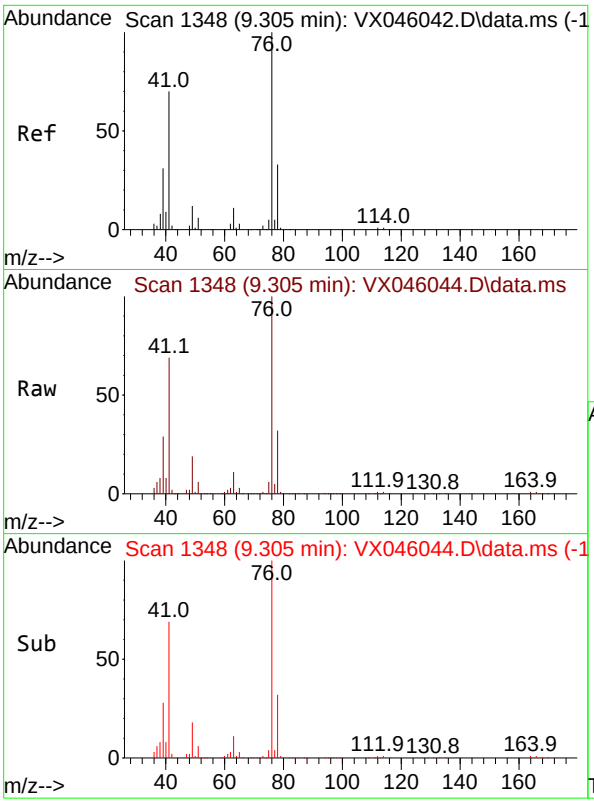


#56
Ethyl methacrylate
Concen: 127.968 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 69 Resp: 277921

Ion	Ratio	Lower	Upper
69	100		
41	75.4	60.8	91.2
39	47.2	39.0	58.6



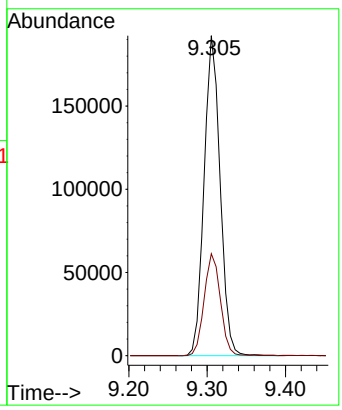


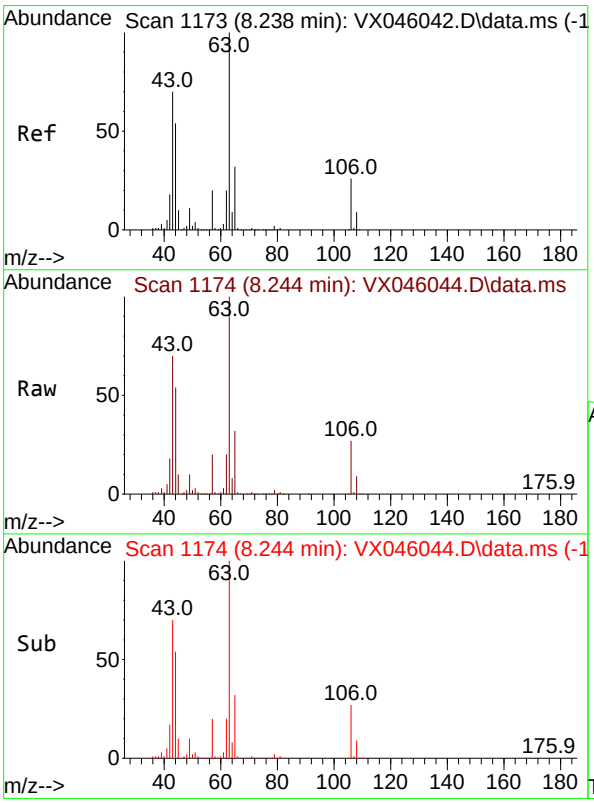
#57
1,3-Dichloropropane
Concen: 109.813 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 272814

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5

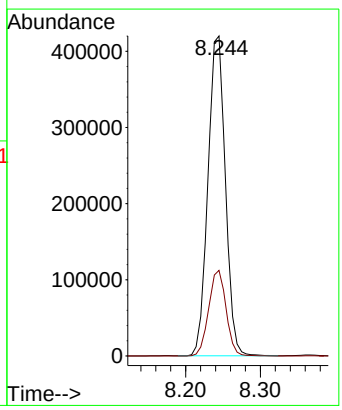


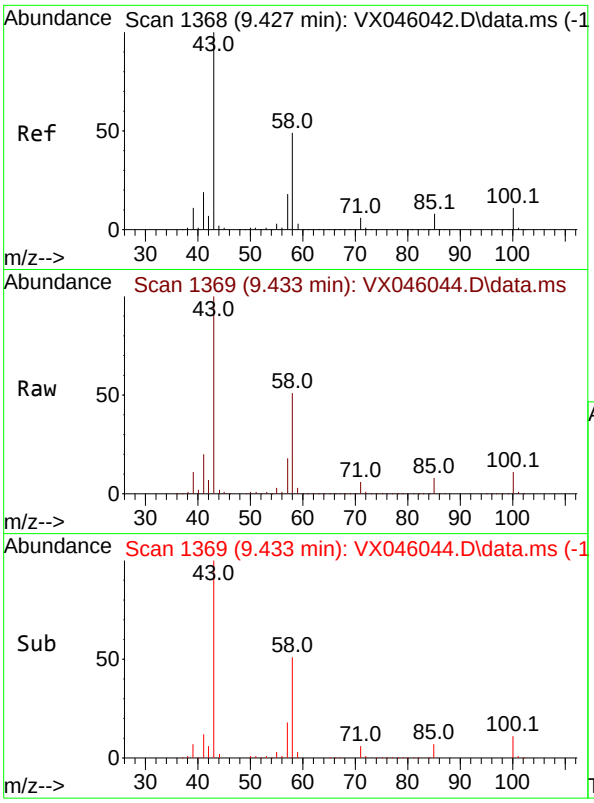


#58
2-Chloroethyl Vinyl ether
Concen: 697.344 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 63 Resp: 680608

Ion	Ratio	Lower	Upper
63	100		
106	26.7	21.5	32.3



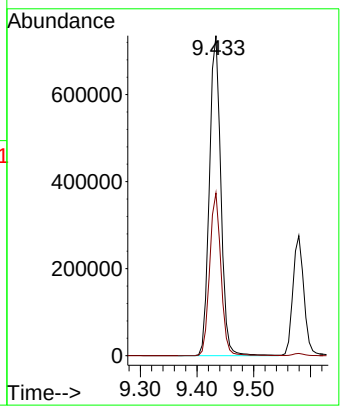


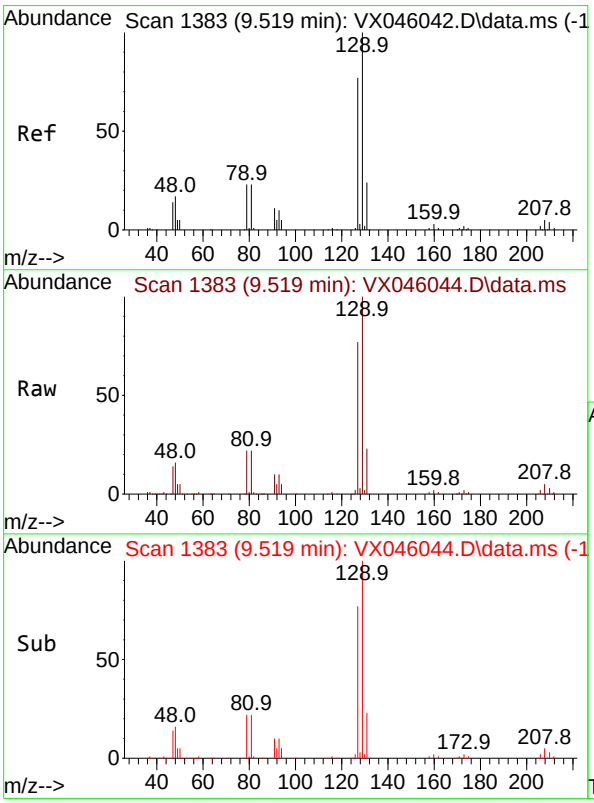
#59
2-Hexanone
Concen: 571.094 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1028597

Ion	Ratio	Lower	Upper
43	100		
58	50.2	24.9	74.6

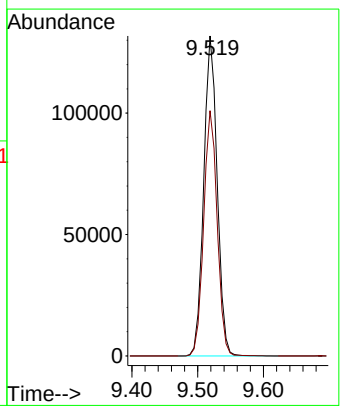


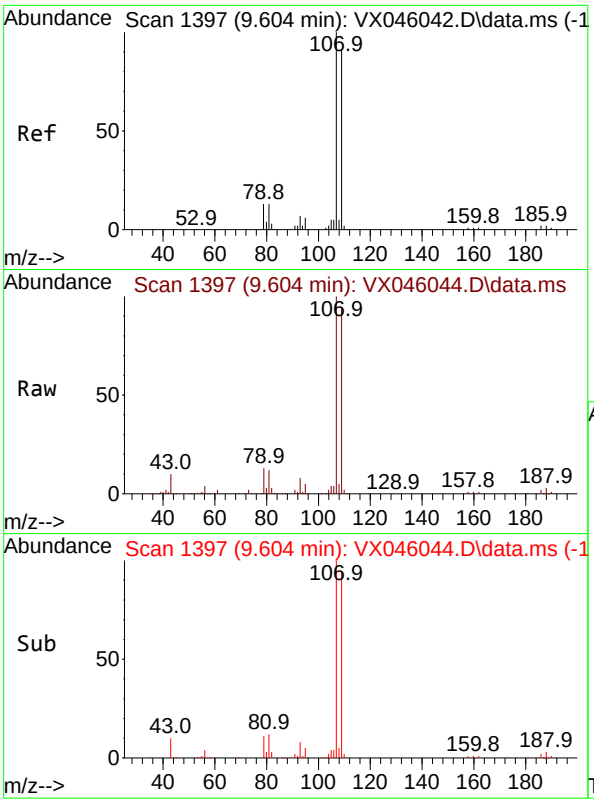


#60
Dibromochloromethane
Concen: 122.915 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:129 Resp: 187497

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.3	117.8



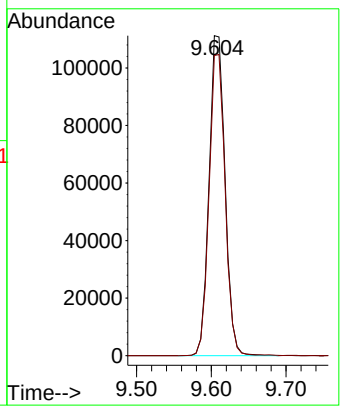


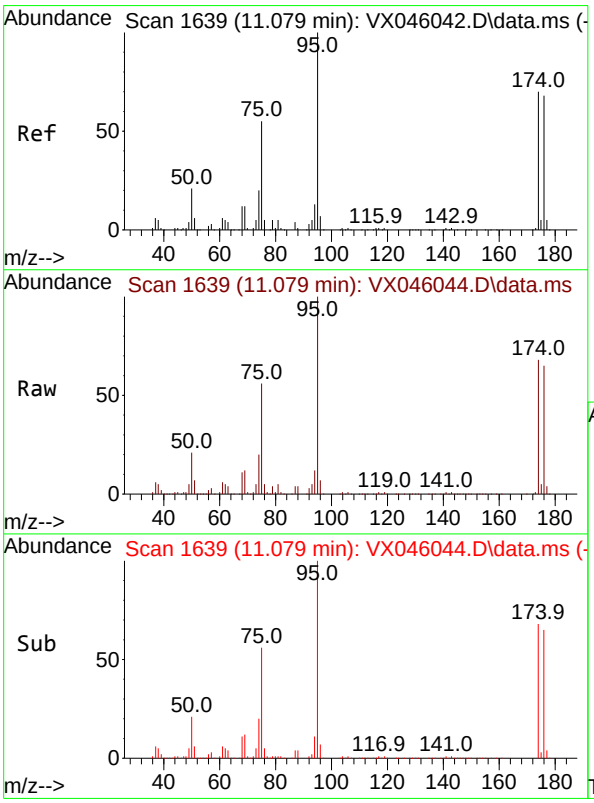
#61
1,2-Dibromoethane
Concen: 115.087 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 165634

Ion	Ratio	Lower	Upper
107	100		
109	94.6	73.3	109.9

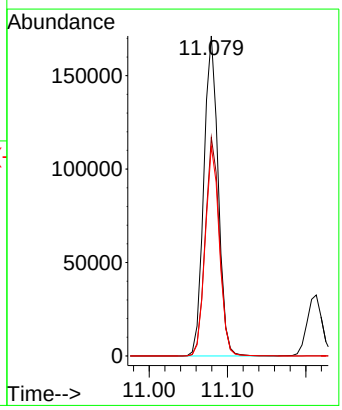


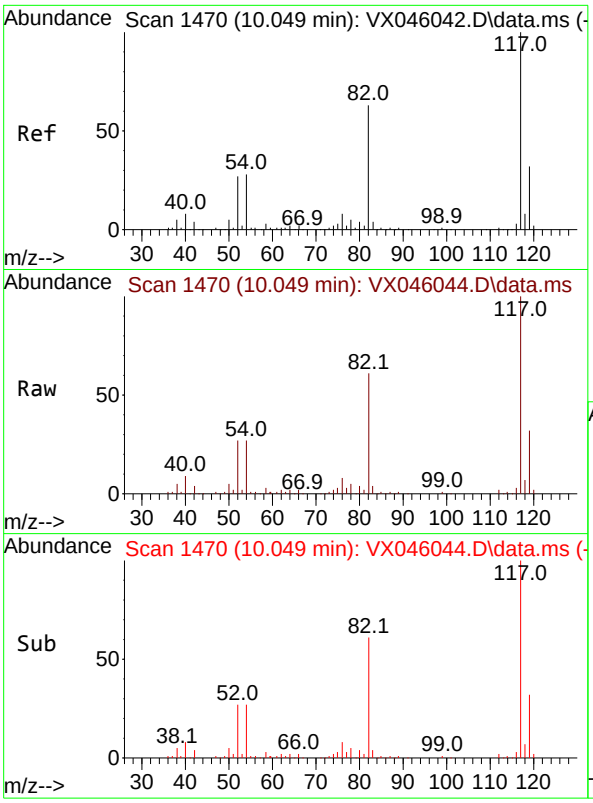


#62
4-Bromofluorobenzene
Concen: 109.174 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 95 Resp: 217536

Ion	Ratio	Lower	Upper
95	100		
174	67.5	0.0	135.8
176	64.4	0.0	131.4



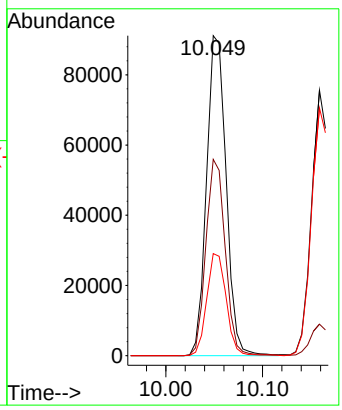


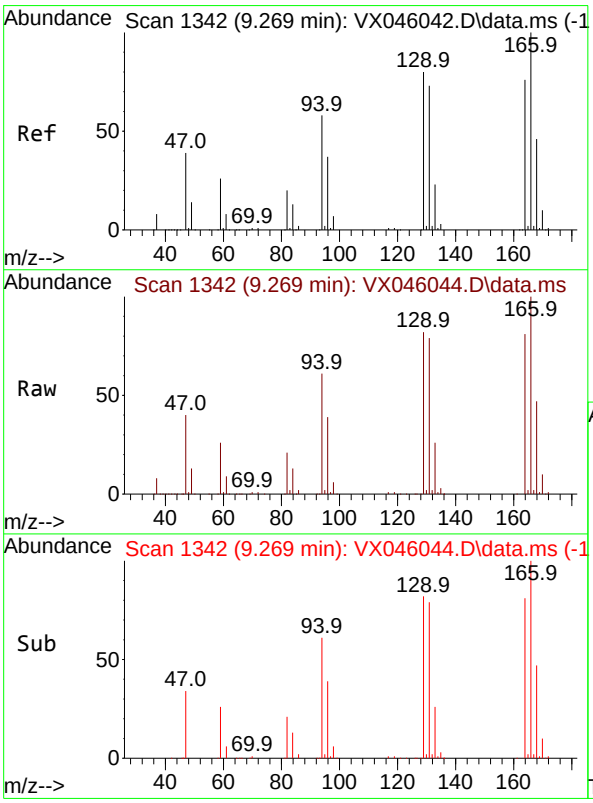
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 128557

Ion	Ratio	Lower	Upper
117	100		
82	61.4	50.6	76.0
119	31.9	25.8	38.6

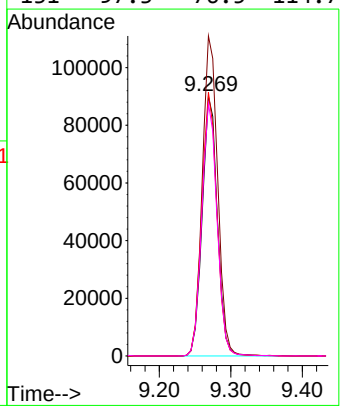


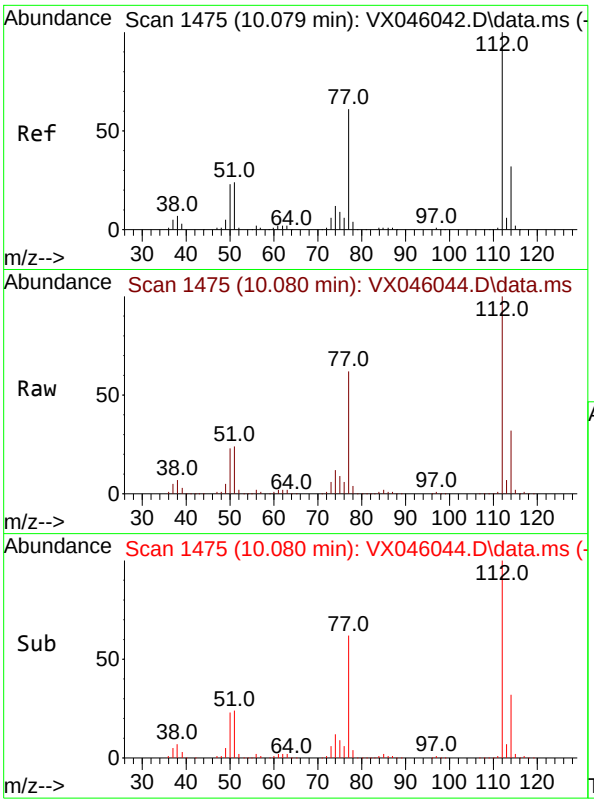


#64
Tetrachloroethene
Concen: 100.918 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:164 Resp: 132488

Ion	Ratio	Lower	Upper
164	100		
166	123.3	105.0	157.6
129	101.6	83.5	125.3
131	97.3	76.5	114.7



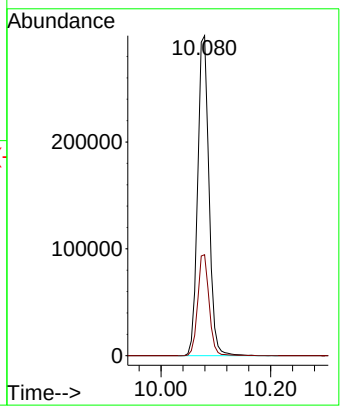


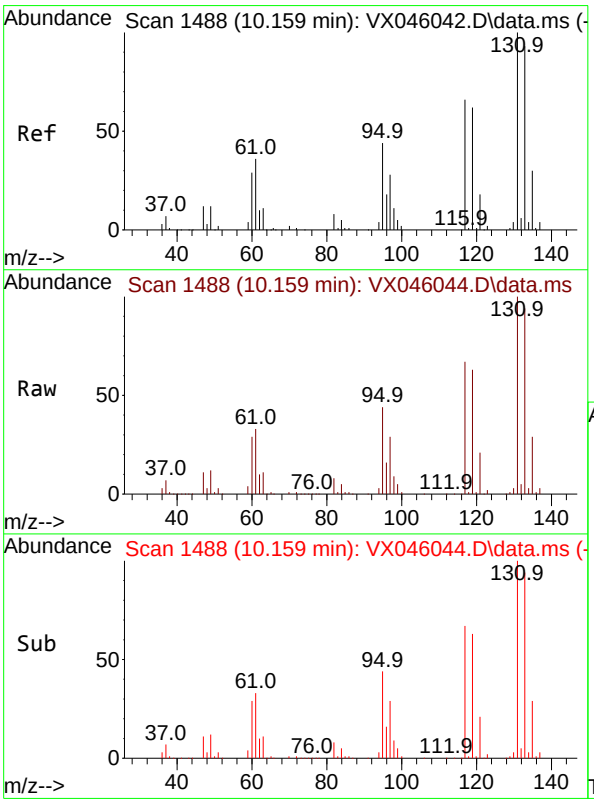
#65
Chlorobenzene
Concen: 108.615 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 429656

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.4	38.2

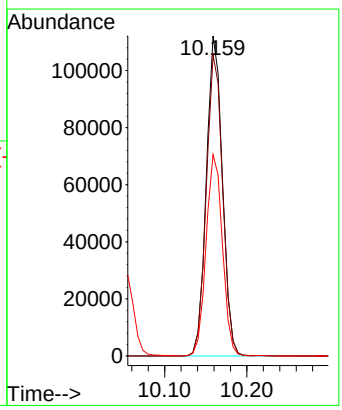


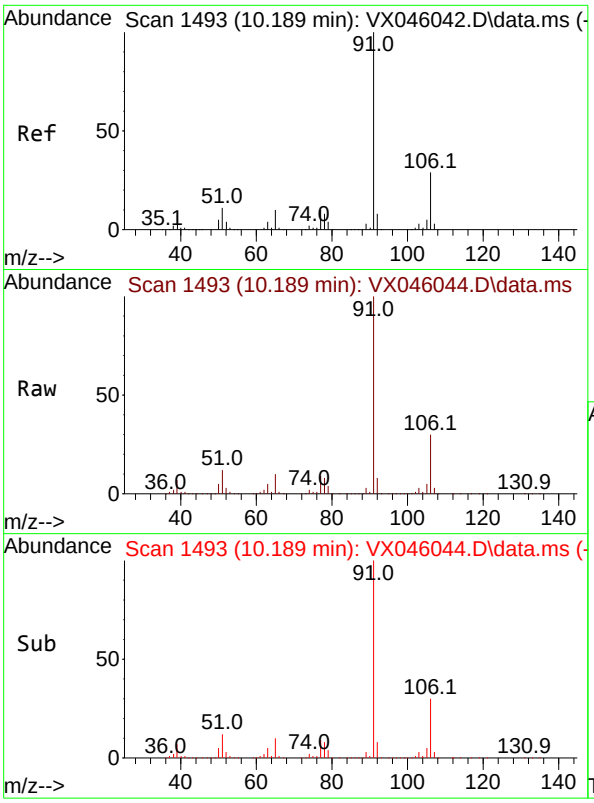


#66
1,1,1,2-Tetrachloroethane
Concen: 115.333 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:131 Resp: 152173

Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.3	141.9
119	64.0	31.6	95.0



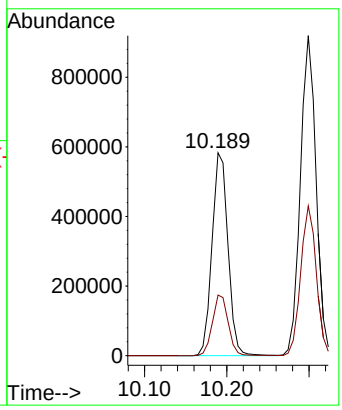


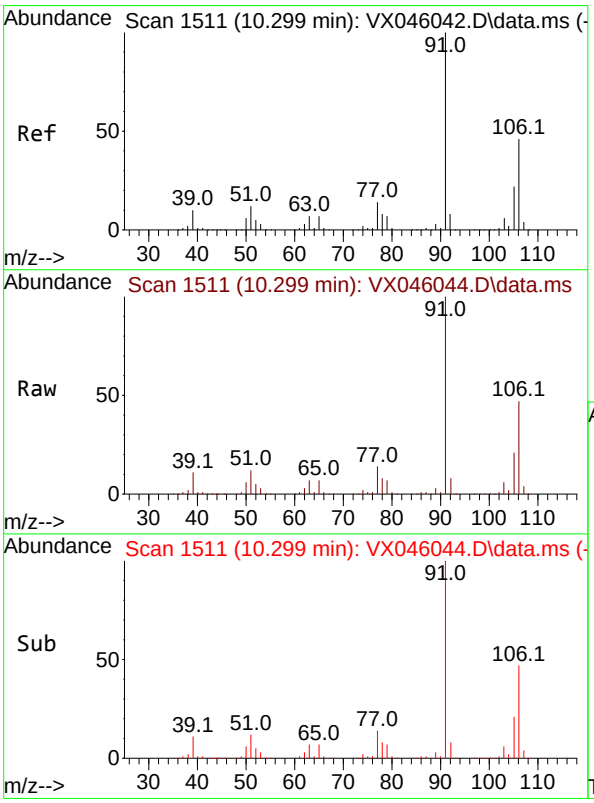
#67
Ethyl Benzene
Concen: 116.421 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 785121

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.4	35.2

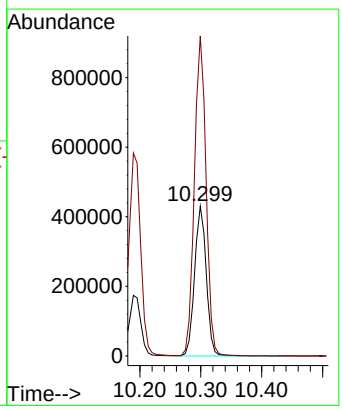


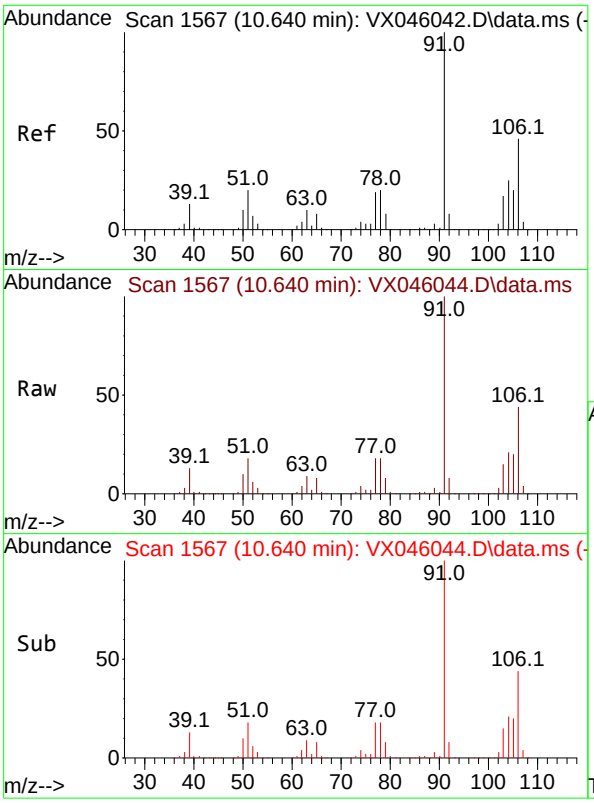


#68
m/p-Xylenes
Concen: 234.349 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:106 Resp: 570913

Ion	Ratio	Lower	Upper
106	100		
91	214.2	171.2	256.8



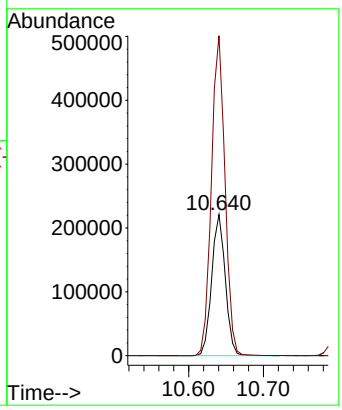


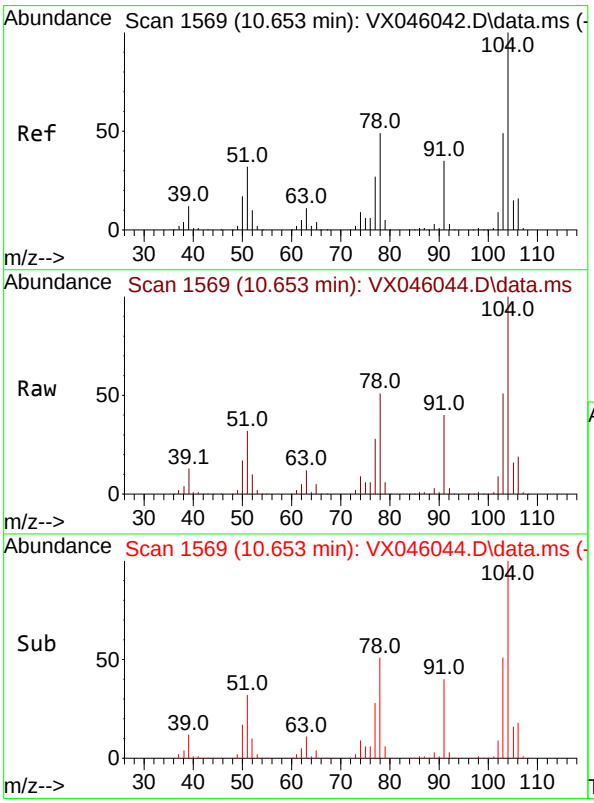
#69
o-Xylene
Concen: 113.990 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 279906

Ion	Ratio	Lower	Upper
106	100		
91	226.9	112.7	338.1

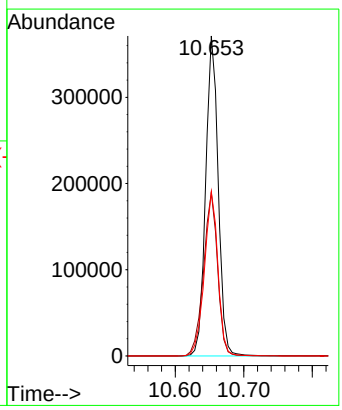


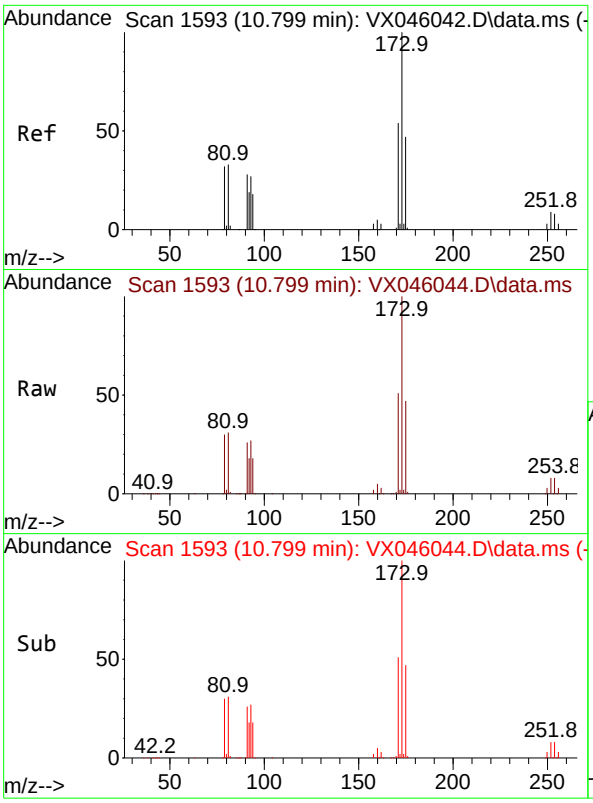


#70
Styrene
Concen: 120.694 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:104 Resp: 474254

Ion	Ratio	Lower	Upper
104	100		
78	57.2	45.7	68.5
103	55.5	43.7	65.5



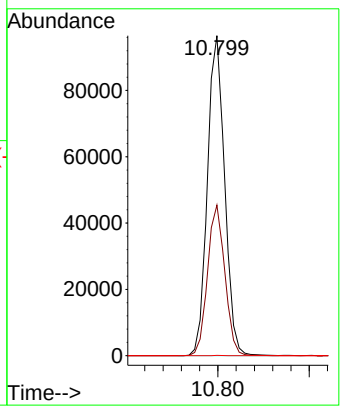


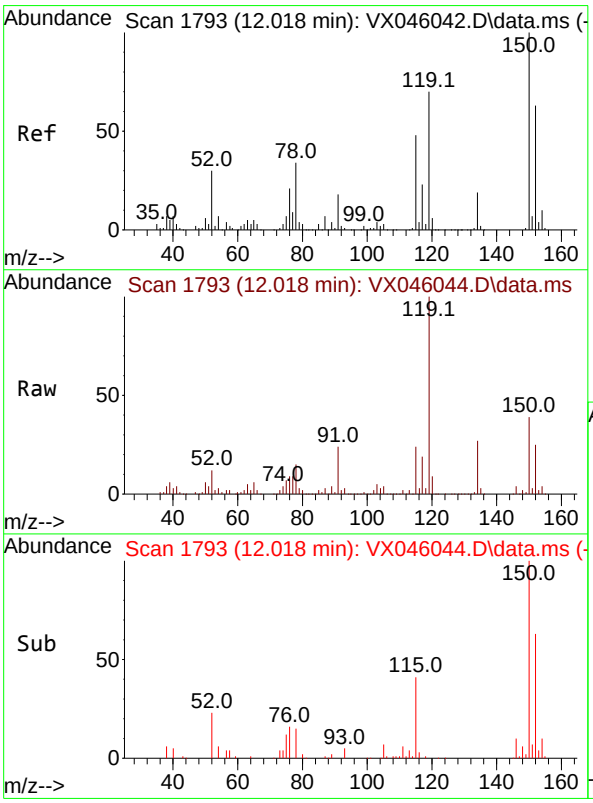
#71
Bromoform
Concen: 127.128 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 125986

Ion	Ratio	Lower	Upper
173	100		
175	47.3	23.4	70.0
254	0.1	0.0	0.0#

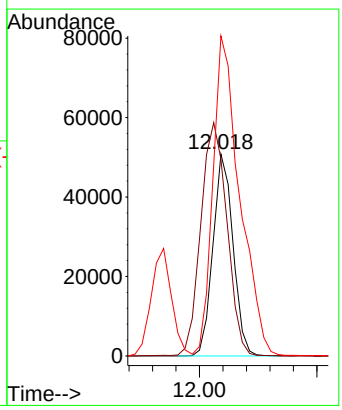


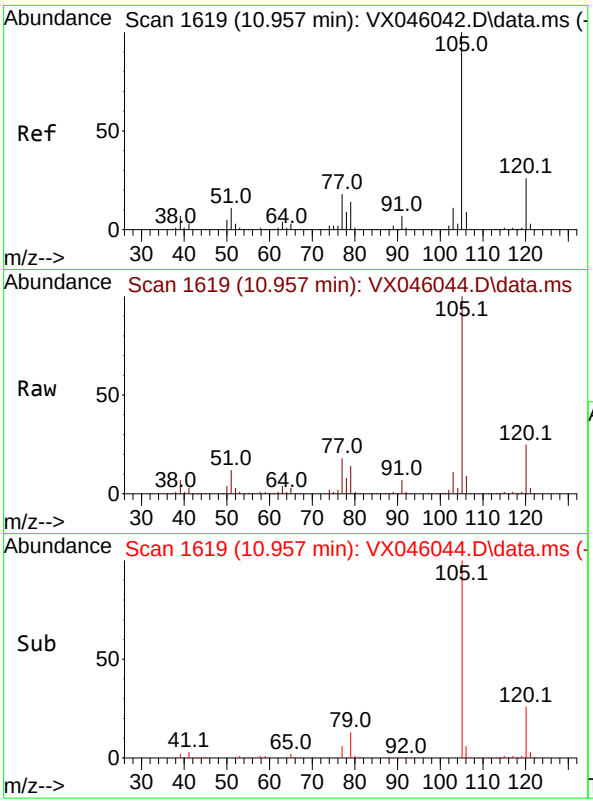


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:152 Resp: 60345

Ion	Ratio	Lower	Upper
152	100		
115	150.7	46.9	140.7#
150	211.6	0.0	351.0



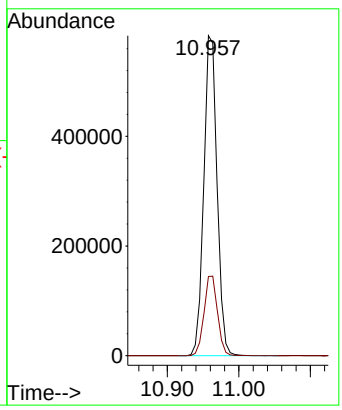


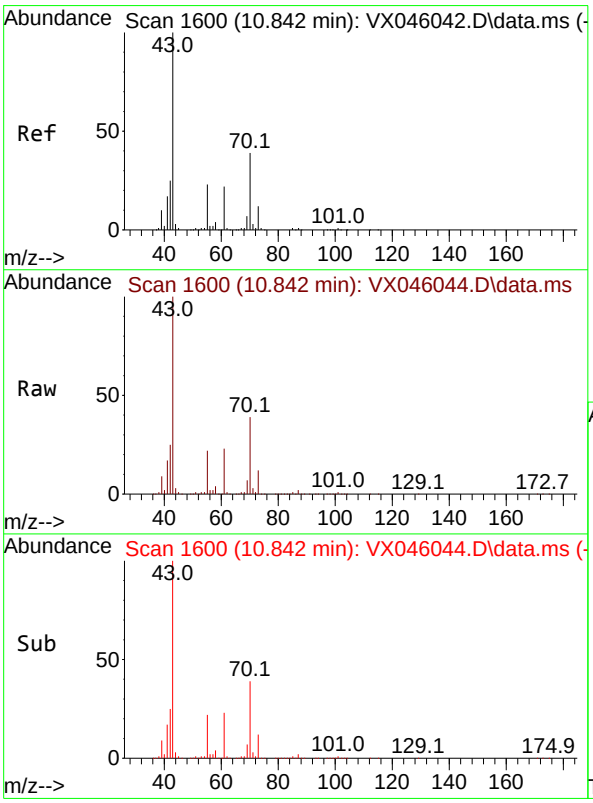
#73
Isopropylbenzene
Concen: 114.312 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 752337

Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.4

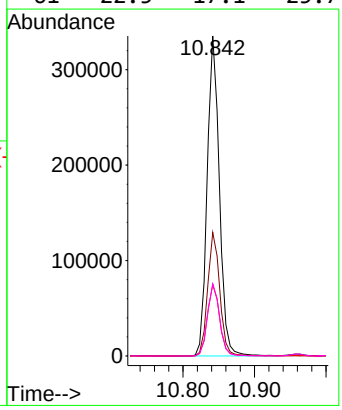


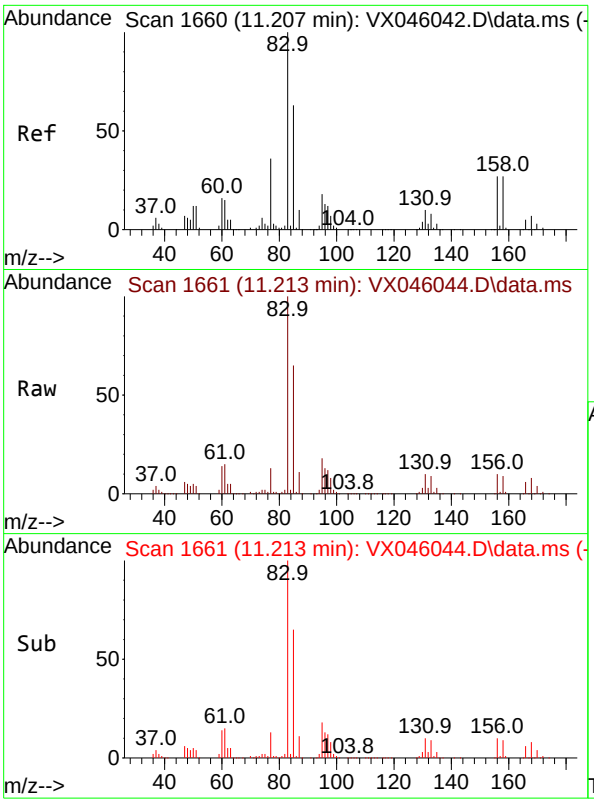


#74
N-amyl acetate
Concen: 120.944 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 43 Resp: 396877

Ion	Ratio	Lower	Upper
43	100		
70	38.5	30.9	46.3
55	22.5	18.7	28.1
61	22.5	17.1	25.7



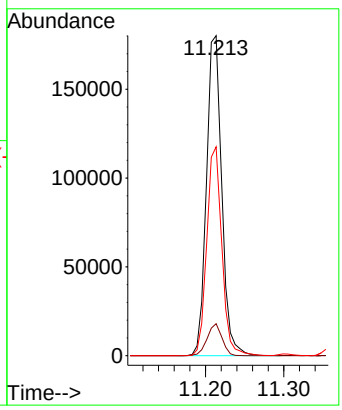


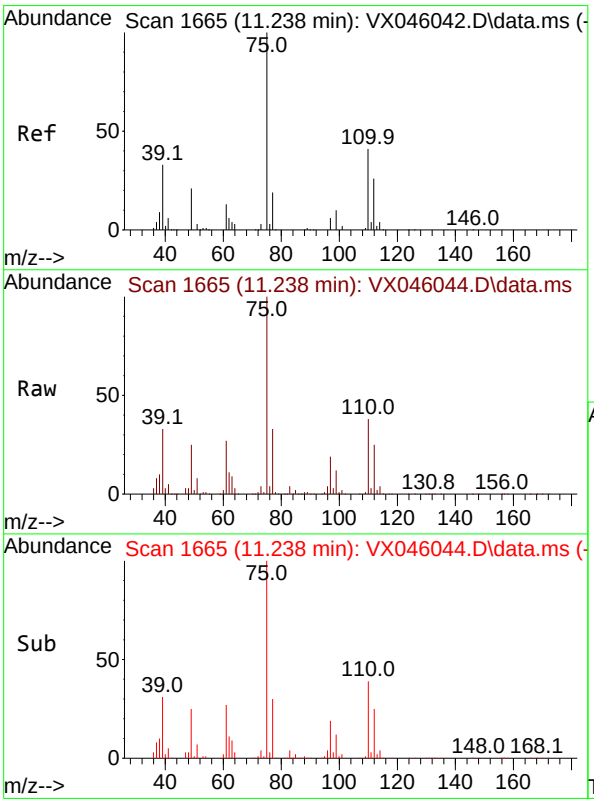
#75
1,1,2,2-Tetrachloroethane
Concen: 104.018 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 243532

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.4	31.9	95.7

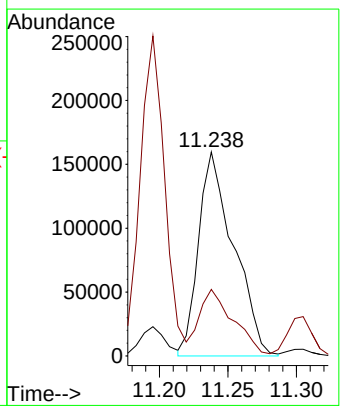


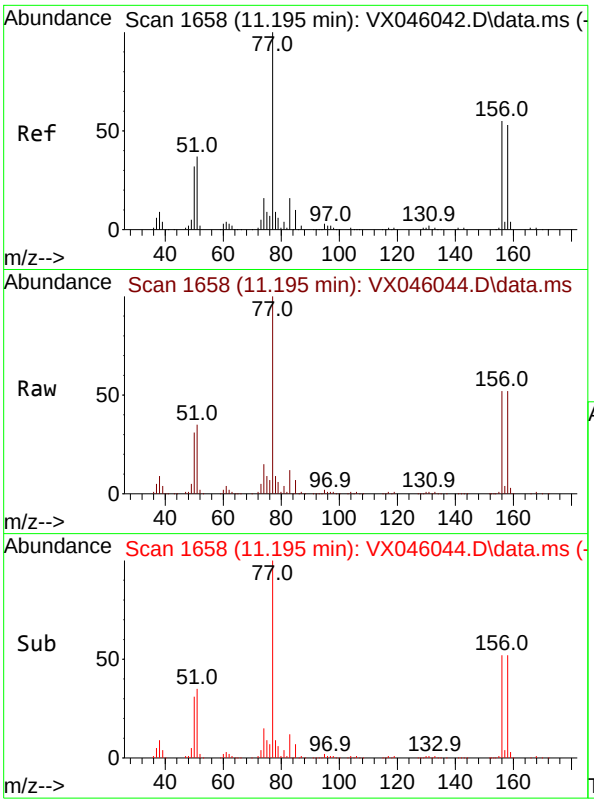


#76
1,2,3-Trichloropropane
Concen: 113.113 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 284571

Ion	Ratio	Lower	Upper
75	100		
77	31.8	20.5	61.5



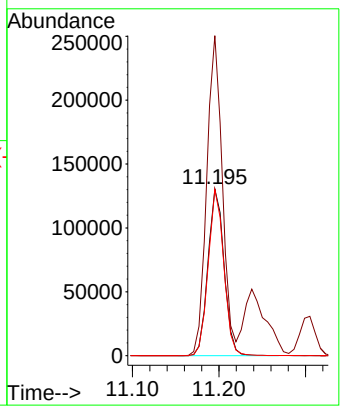


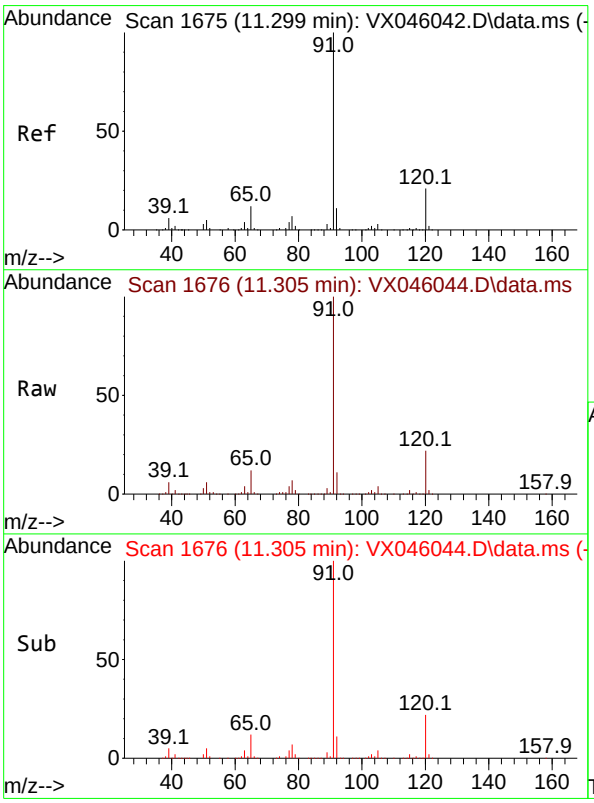
#77
Bromobenzene
Concen: 110.297 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 167934

Ion	Ratio	Lower	Upper
156	100		
77	187.1	92.8	278.3
158	97.3	48.8	146.3

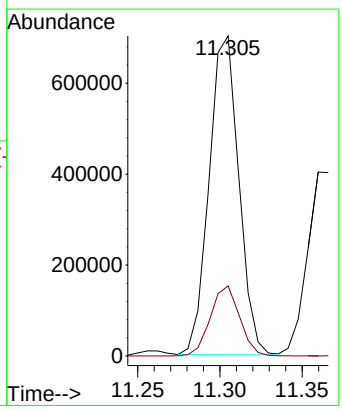


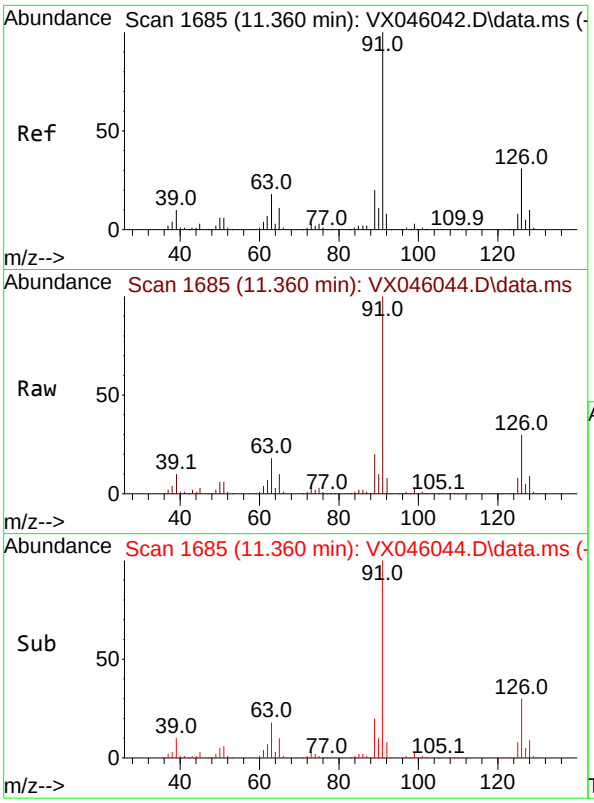


#78
n-propylbenzene
Concen: 119.448 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 881218

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4



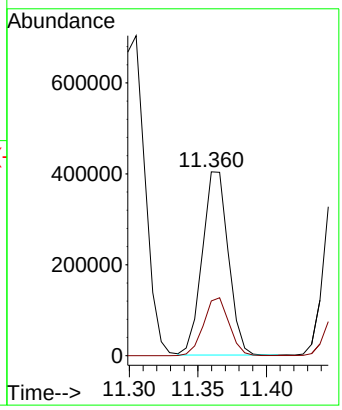


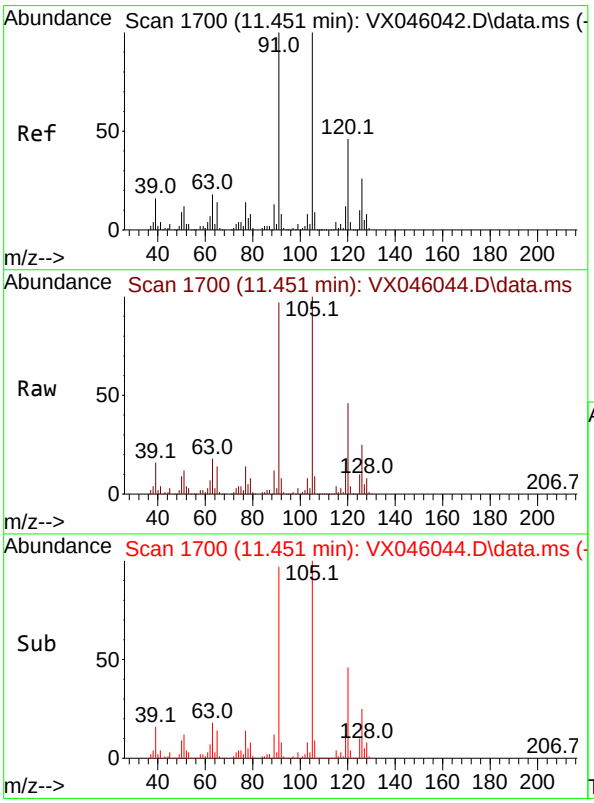
#79
2-Chlorotoluene
Concen: 107.514 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 534560

Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.7

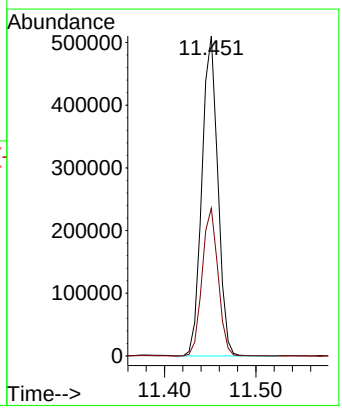


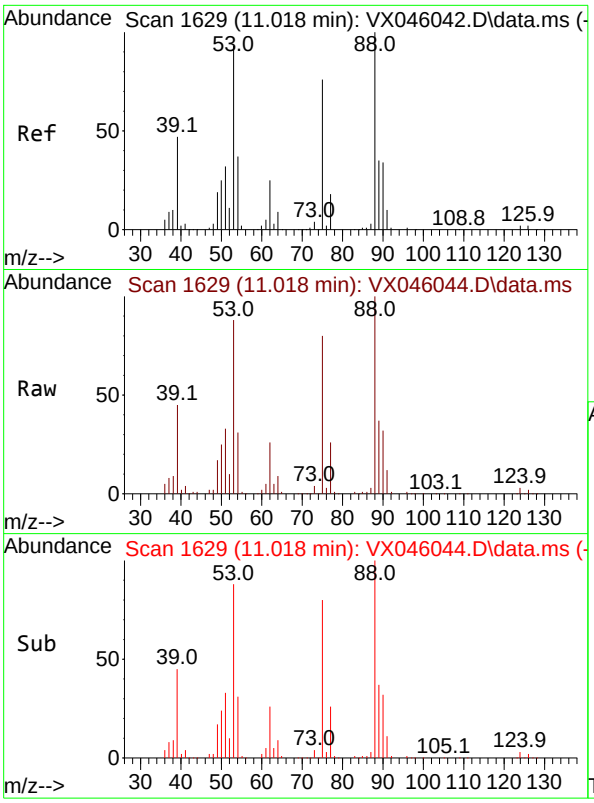


#80
1,3,5-Trimethylbenzene
Concen: 112.825 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 616477

Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2



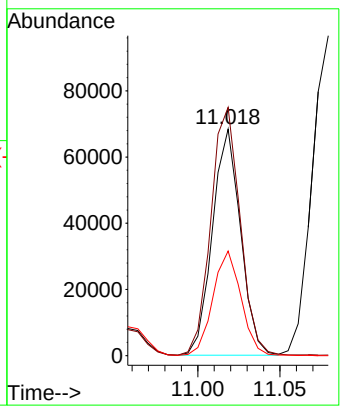


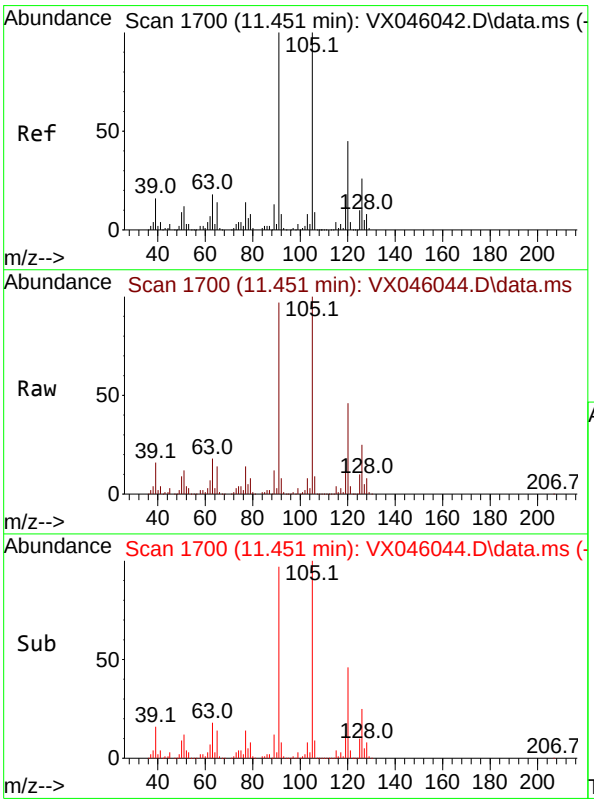
#81
trans-1,4-Dichloro-2-butene
Concen: 134.609 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 81372

Ion	Ratio	Lower	Upper
75	100		
53	114.9	100.5	150.7
89	46.5	37.0	55.6

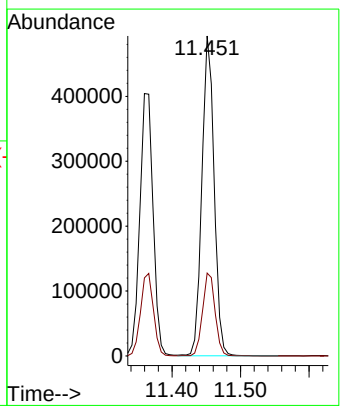


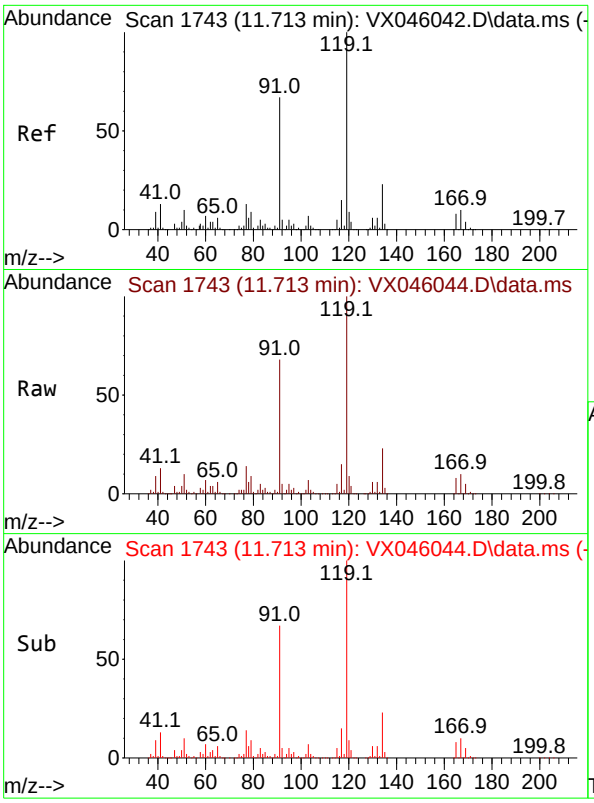


#82
4-Chlorotoluene
Concen: 111.948 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 91 Resp: 611736

Ion	Ratio	Lower	Upper
91	100		
126	26.7	13.3	39.8



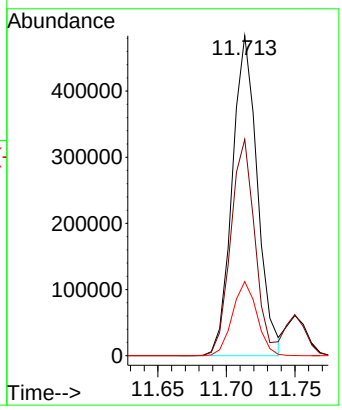


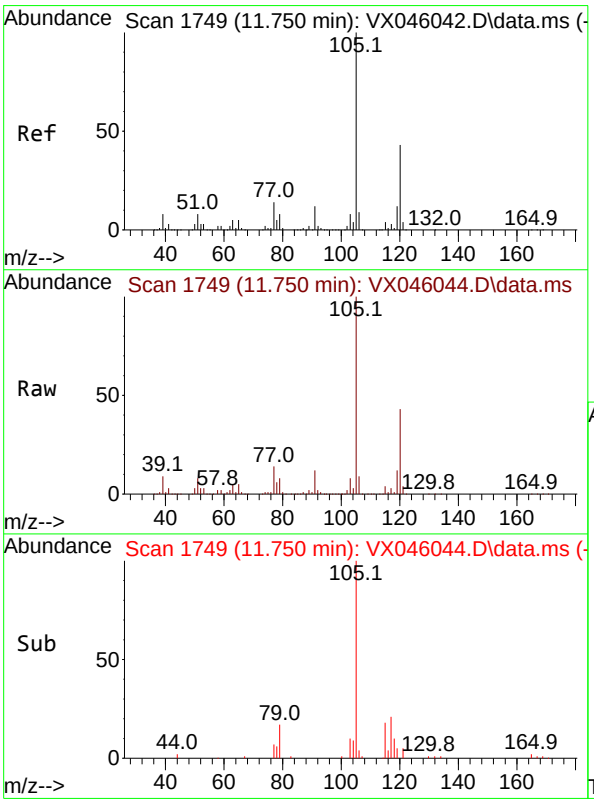
#83
tert-Butylbenzene
Concen: 115.065 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 617473

Ion	Ratio	Lower	Upper
119	100		
91	65.6	32.9	98.7
134	22.6	11.4	34.1

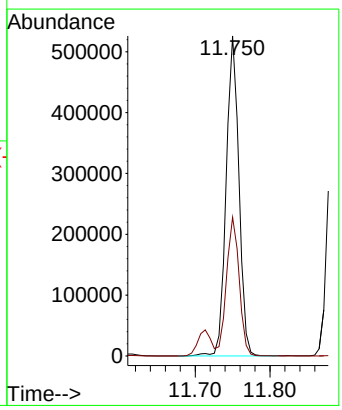


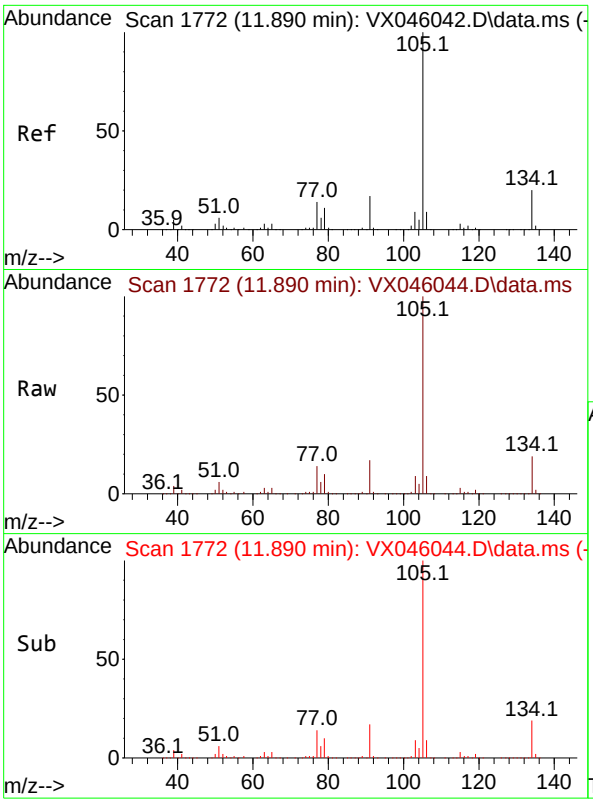


#84
1,2,4-Trimethylbenzene
Concen: 114.236 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:105 Resp: 623456

Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.2	63.6



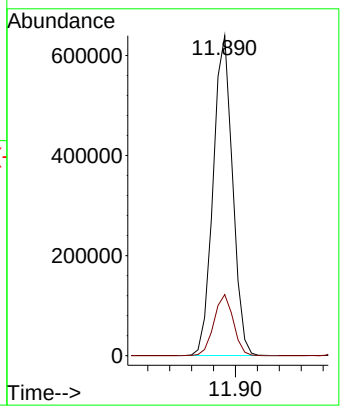


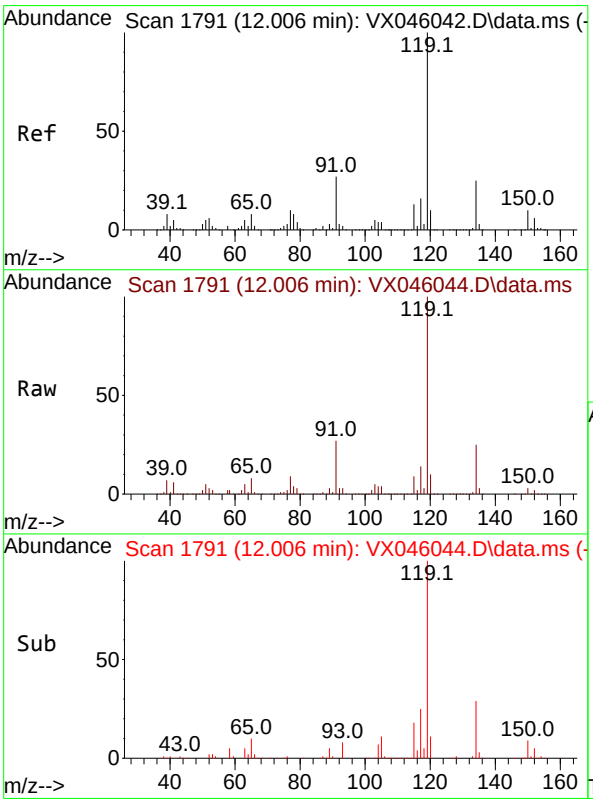
#85
sec-Butylbenzene
Concen: 118.023 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 786293

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

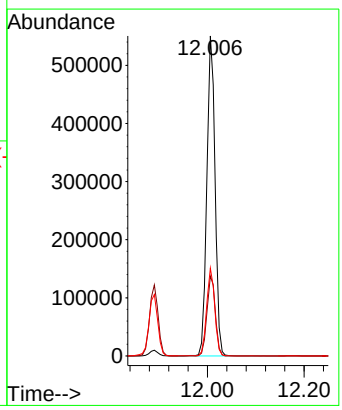


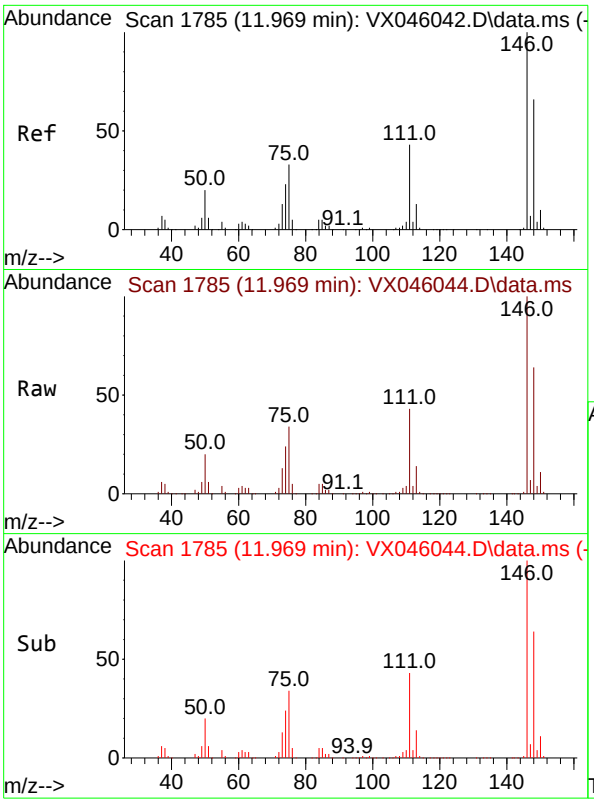


#86
p-Isopropyltoluene
Concen: 121.113 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:119 Resp: 651531

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.5	37.5
91	27.0	13.8	41.4



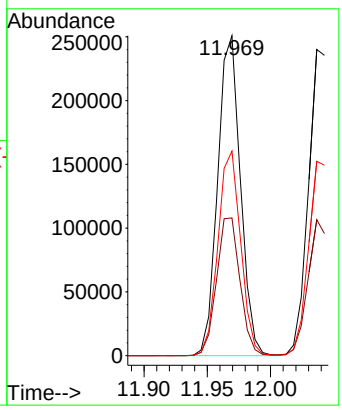


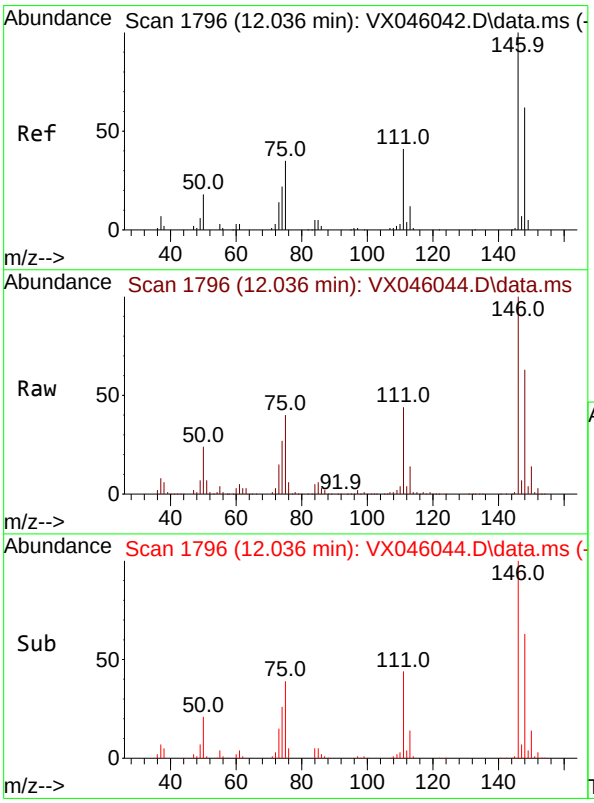
#87
1,3-Dichlorobenzene
Concen: 110.394 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 313100

Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.1	66.3
148	64.0	32.1	96.5

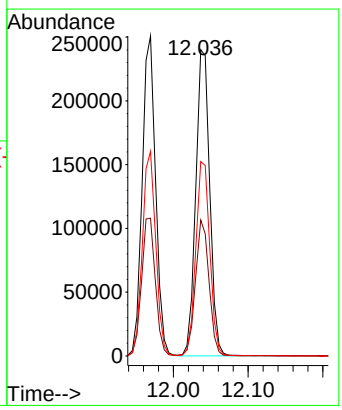


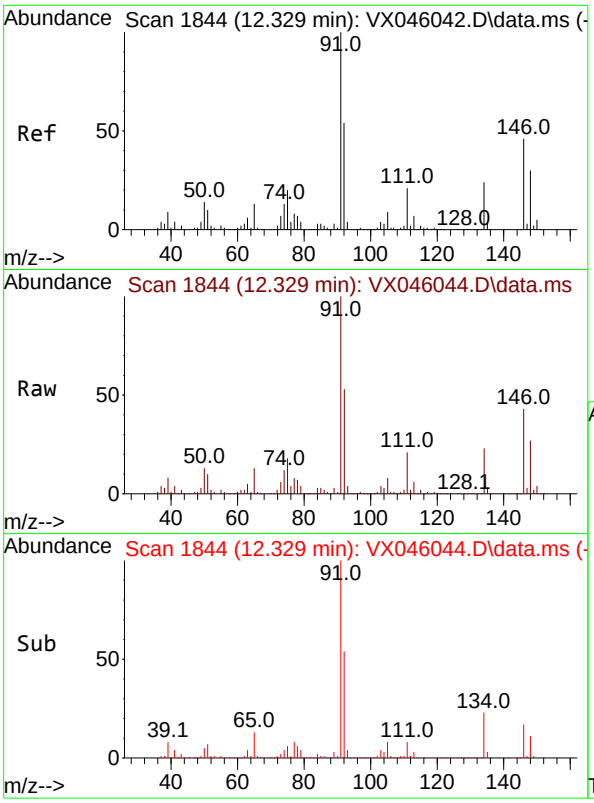


#88
1,4-Dichlorobenzene
Concen: 112.167 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:146 Resp: 311752

Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.3	63.9
148	63.9	31.9	95.5



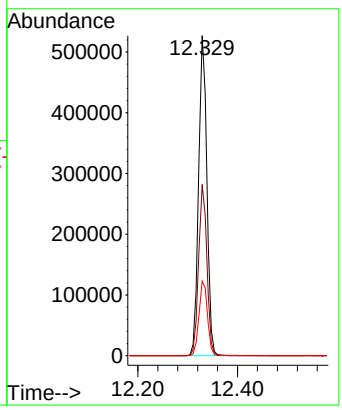


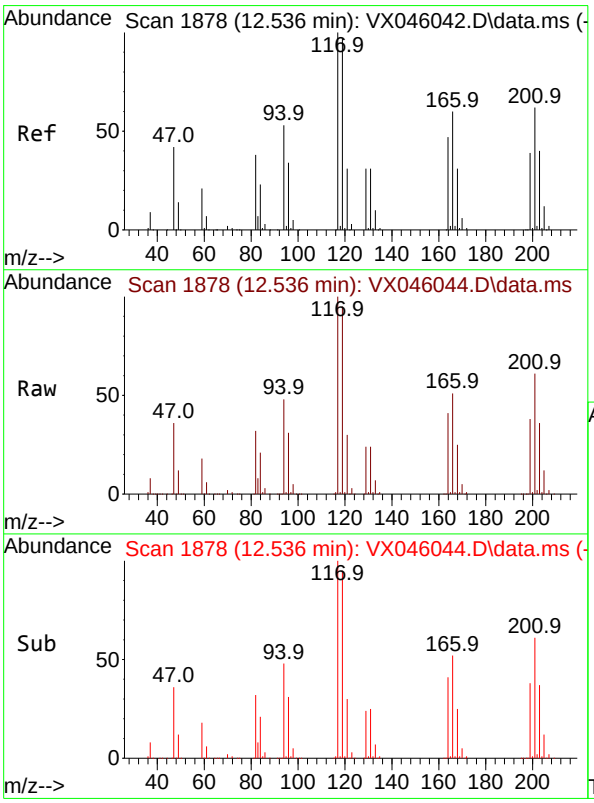
#89
n-Butylbenzene
Concen: 129.533 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 605783

Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.9	80.7
134	24.0	11.8	35.3

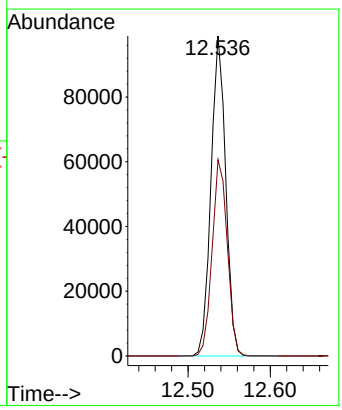


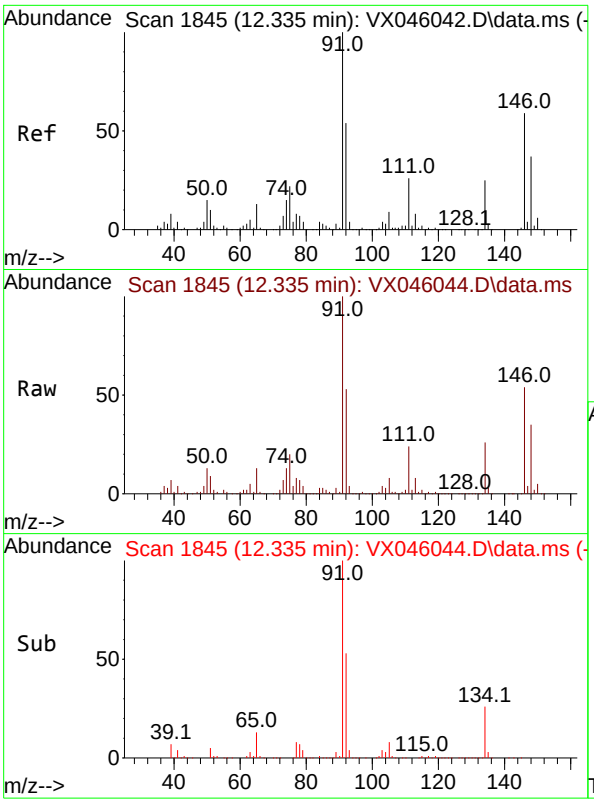


#90
Hexachloroethane
Concen: 123.091 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:117 Resp: 123188

Ion	Ratio	Lower	Upper
117	100		
201	63.2	31.6	94.7



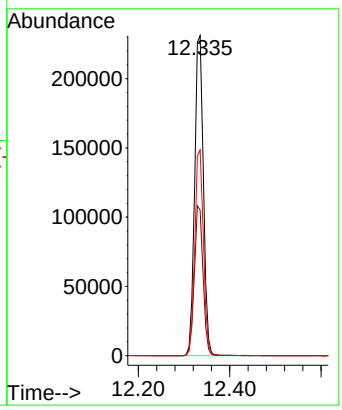


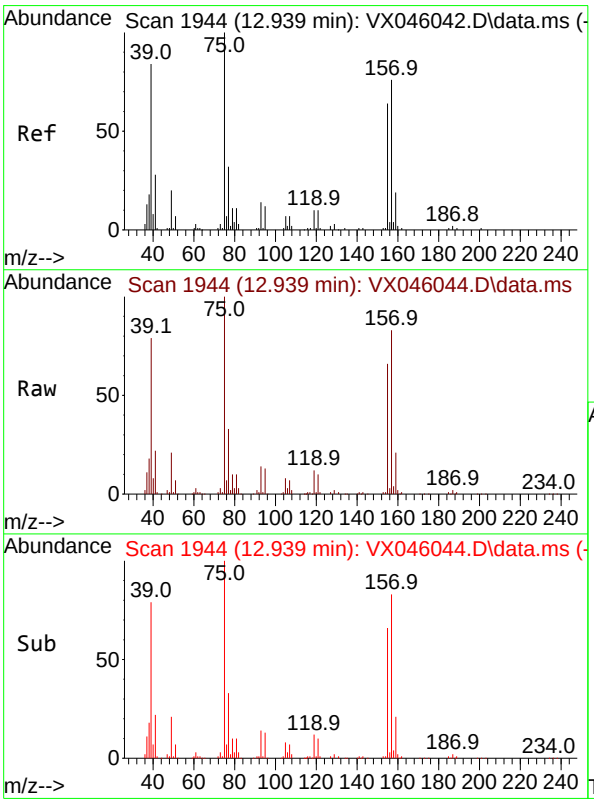
#91
1,2-Dichlorobenzene
Concen: 111.506 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 308039

Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.4	67.3
148	63.6	31.6	94.8

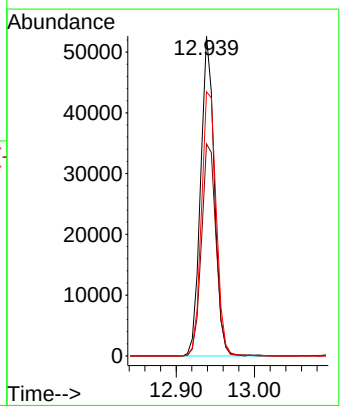


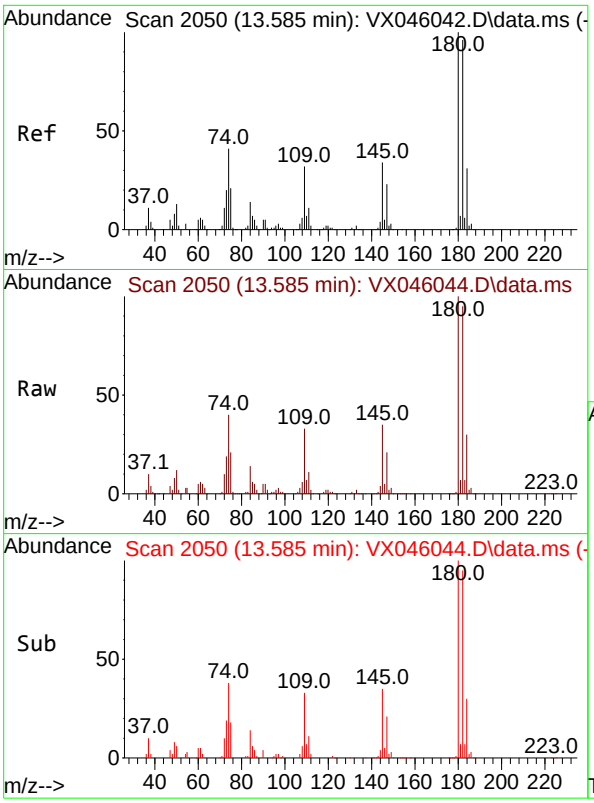


#92
1,2-Dibromo-3-Chloropropane
Concen: 120.915 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion: 75 Resp: 64438

Ion	Ratio	Lower	Upper
75	100		
155	69.6	34.9	104.8
157	88.4	43.8	131.4



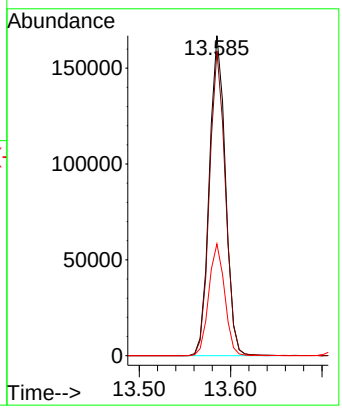


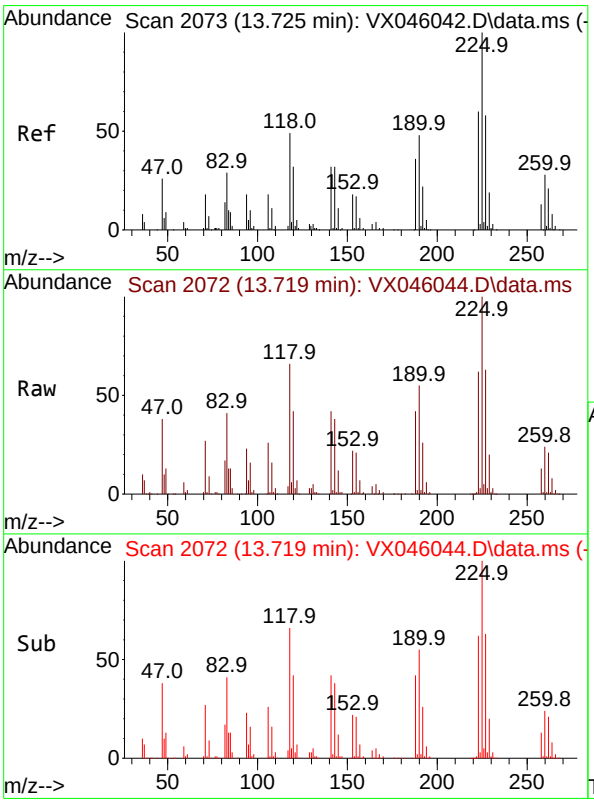
#93
1,2,4-Trichlorobenzene
Concen: 134.366 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 203255

Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.9	143.8
145	34.5	17.1	51.2

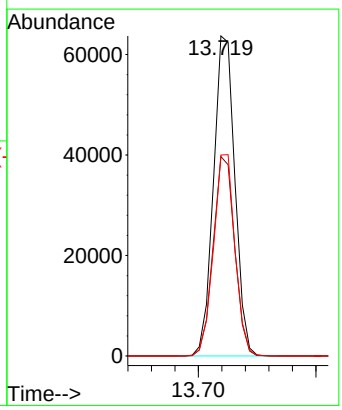


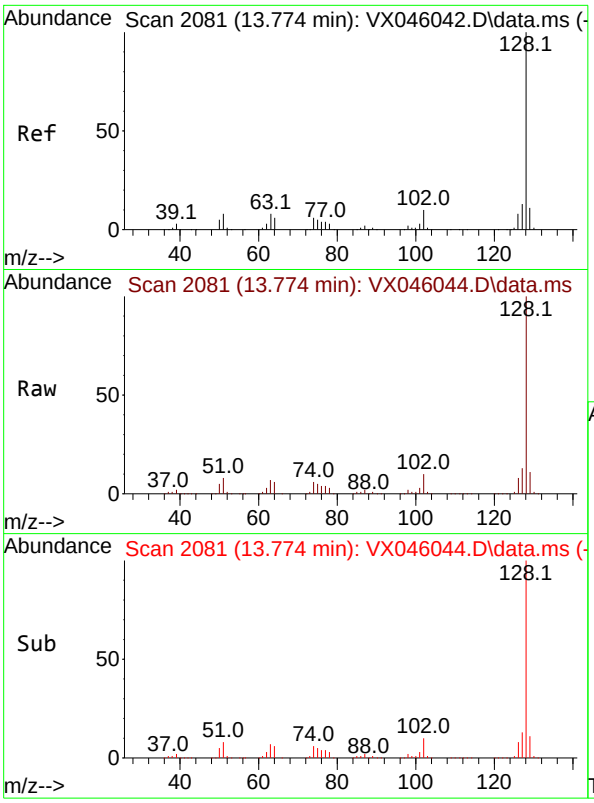


#94
Hexachlorobutadiene
Concen: 113.857 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:225 Resp: 80558

Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.8	92.4
227	63.1	30.9	92.7



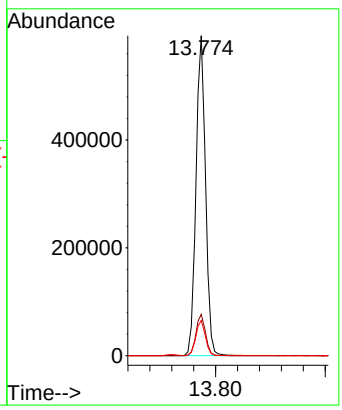


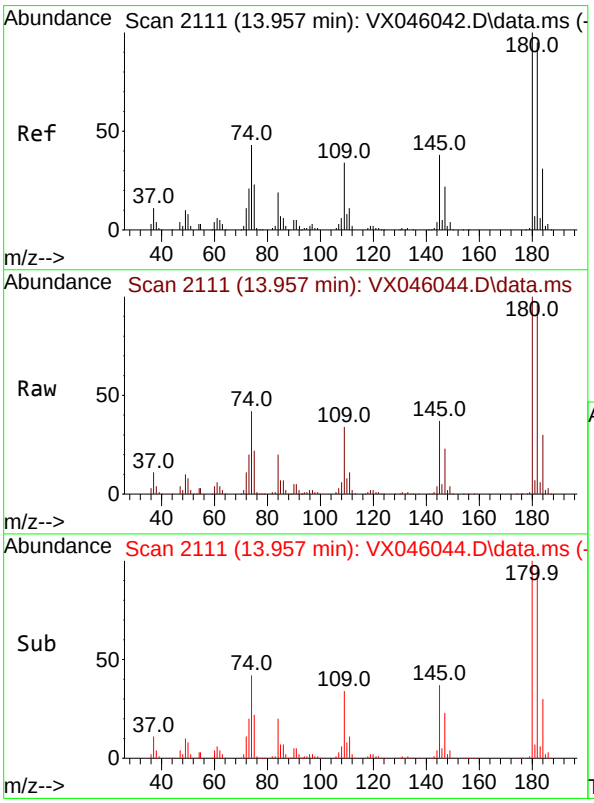
#95
Naphthalene
Concen: 130.929 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 721236

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0

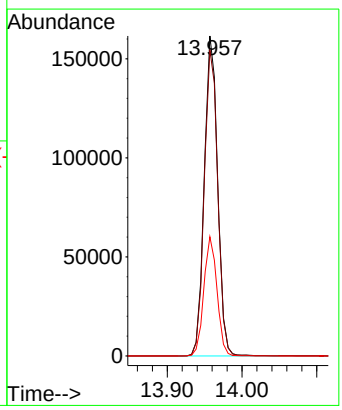




#96
1,2,3-Trichlorobenzene
Concen: 126.331 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046044.D
Acq: 05 May 2025 12:45

Tgt Ion:180 Resp: 200379

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.8	143.3
145	36.7	18.1	54.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.538	168	96964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	168484	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	9067	3.143	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	6.280%#		
35) Dibromofluoromethane	5.373	113	5969	3.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	6.320%#		
50) Toluene-d8	8.647	98	20566	3.232	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	6.460%#		
62) 4-Bromofluorobenzene	11.079	95	7822	3.378	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	6.760%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	6195	2.894	ug/l	95
3) Chloromethane	1.307	50	6587	3.125	ug/l	99
4) Vinyl Chloride	1.374	62	5999	3.249	ug/l	96
5) Bromomethane	1.593	94	2962	3.164	ug/l	88
6) Chloroethane	1.666	64	3567	3.750	ug/l	94
7) Trichlorofluoromethane	1.874	101	9599	3.413	ug/l	88
8) Diethyl Ether	2.130	74	3020	3.266	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	5911	3.517	ug/l	99
10) Methyl Iodide	2.441	142	5900	2.990	ug/l	99
11) Tert butyl alcohol	2.965	59	5539	16.111	ug/l	98
12) 1,1-Dichloroethene	2.306	96	5496	3.359	ug/l	97
13) Acrolein	2.233	56	5673	14.206	ug/l	95
14) Allyl chloride	2.654	41	10262	3.319	ug/l	98
15) Acrylonitrile	3.062	53	16746	16.282	ug/l	97
16) Acetone	2.380	43	19773	20.036	ug/l	98
17) Carbon Disulfide	2.501	76	11068	2.919	ug/l	96
18) Methyl Acetate	2.703	43	7909	3.357	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	18497	3.241	ug/l	97
20) Methylene Chloride	2.782	84	6680	3.341	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	5402	3.234	ug/l	100
22) Diisopropyl ether	3.751	45	18657	3.230	ug/l #	65
23) Vinyl Acetate	3.715	43	82328	16.127	ug/l	99
24) 1,1-Dichloroethane	3.605	63	11193	3.297	ug/l	99
25) 2-Butanone	4.562	43	26125	18.340	ug/l	98
26) 2,2-Dichloropropane	4.465	77	8245	3.205	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	6222	3.089	ug/l	95
28) Bromochloromethane	4.891	49	5360	2.969	ug/l #	100
29) Tetrahydrofuran	5.001	42	15431	16.680	ug/l	98
30) Chloroform	5.080	83	11624	3.294	ug/l	89
31) Cyclohexane	5.458	56	10269	3.588	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	9827	3.229	ug/l	97
36) 1,1-Dichloropropene	5.678	75	7787	3.551	ug/l	98
37) Ethyl Acetate	4.721	43	9021	3.279	ug/l	98
38) Carbon Tetrachloride	5.659	117	8505	3.376	ug/l	97
39) Methylcyclohexane	7.373	83	9882	3.597	ug/l	93
40) Benzene	6.031	78	22528	3.315	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	4851	3.174	ug/l	#	65
42) 1,2-Dichloroethane	6.080	62	10011	3.563	ug/l		100
43) Isopropyl Acetate	6.348	43	13914	3.309	ug/l		96
44) Trichloroethene	7.123	130	5313	3.307	ug/l		94
45) 1,2-Dichloropropane	7.427	63	5451	3.228	ug/l	#	89
46) Dibromomethane	7.580	93	4417	3.318	ug/l		98
47) Bromodichloromethane	7.818	83	8394	3.254	ug/l		98
48) Methyl methacrylate	7.696	41	7171	3.321	ug/l		97
49) 1,4-Dioxane	7.659	88	2907	67.721	ug/l		96
51) 4-Methyl-2-Pentanone	8.567	43	46794	16.967	ug/l		98
52) Toluene	8.714	92	14126	3.505	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	6834	3.155	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	7908	3.129	ug/l		91
55) 1,1,2-Trichloroethane	9.153	97	5685	3.490	ug/l		98
56) Ethyl methacrylate	9.116	69	8555	3.390	ug/l		98
57) 1,3-Dichloropropane	9.305	76	10127	3.508	ug/l		94
58) 2-Chloroethyl Vinyl ether	8.238	63	20809	18.346	ug/l		99
59) 2-Hexanone	9.427	43	34853	16.651	ug/l		97
60) Dibromochloromethane	9.518	129	5500	3.102	ug/l		98
61) 1,2-Dibromoethane	9.604	107	5614	3.356	ug/l		99
64) Tetrachloroethene	9.269	164	4752	3.162	ug/l		96
65) Chlorobenzene	10.079	112	15391	3.399	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	5024	3.326	ug/l		99
67) Ethyl Benzene	10.195	91	26732	3.463	ug/l		99
68) m/p-Xylenes	10.299	106	19957	7.156	ug/l		98
69) o-Xylene	10.640	106	9398	3.343	ug/l		95
70) Styrene	10.652	104	14900	3.312	ug/l		99
71) Bromoform	10.799	173	3470	3.059	ug/l	#	99
73) Isopropylbenzene	10.957	105	24201	3.266	ug/l		98
74) N-amyl acetate	10.841	43	11224	3.038	ug/l		96
75) 1,1,2,2-Tetrachloroethane	11.207	83	9170	3.479	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	8548	3.018	ug/l		95
77) Bromobenzene	11.195	156	5857	3.417	ug/l		96
78) n-propylbenzene	11.299	91	28436	3.424	ug/l		100
79) 2-Chlorotoluene	11.360	91	18672	3.336	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	20742	3.372	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	1828	2.686	ug/l		99
82) 4-Chlorotoluene	11.451	91	19966	3.245	ug/l		98
83) tert-Butylbenzene	11.713	119	21049	3.484	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	20613	3.355	ug/l		97
85) sec-Butylbenzene	11.890	105	25590	3.412	ug/l		99
86) p-Isopropyltoluene	12.006	119	20955	3.460	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	10585	3.315	ug/l		97
88) 1,4-Dichlorobenzene	12.036	146	10908	3.486	ug/l		90
89) n-Butylbenzene	12.329	91	18004	3.419	ug/l		94
90) Hexachloroethane	12.536	117	3553	3.153	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	10712	3.444	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1687	2.812	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	5720	3.359	ug/l		96
94) Hexachlorobutadiene	13.719	225	2816	3.535	ug/l		96
95) Naphthalene	13.774	128	19902	3.209	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	5745	3.217	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

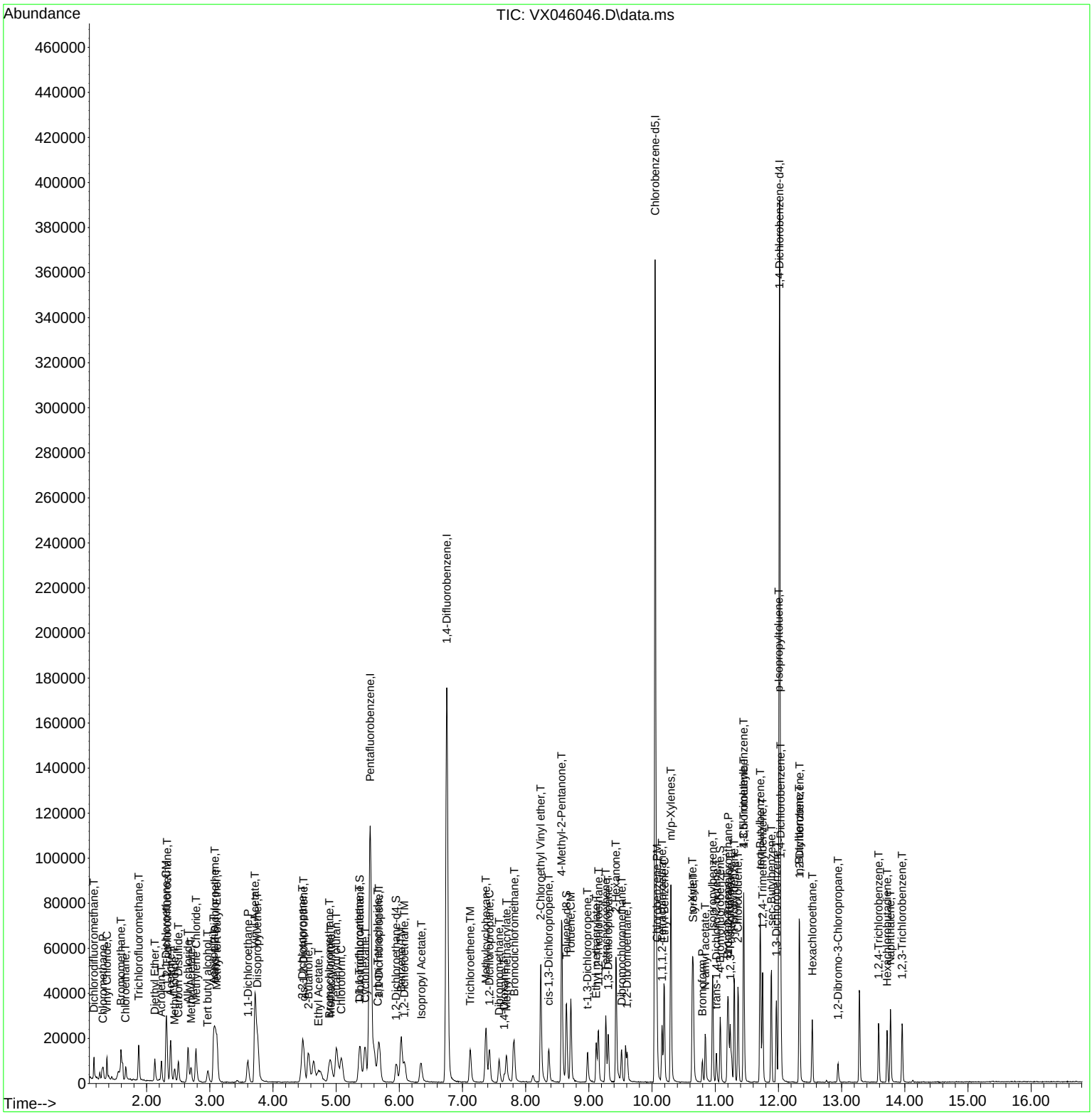
(#) = qualifier out of range (m) = manual integration (+) = signals summed

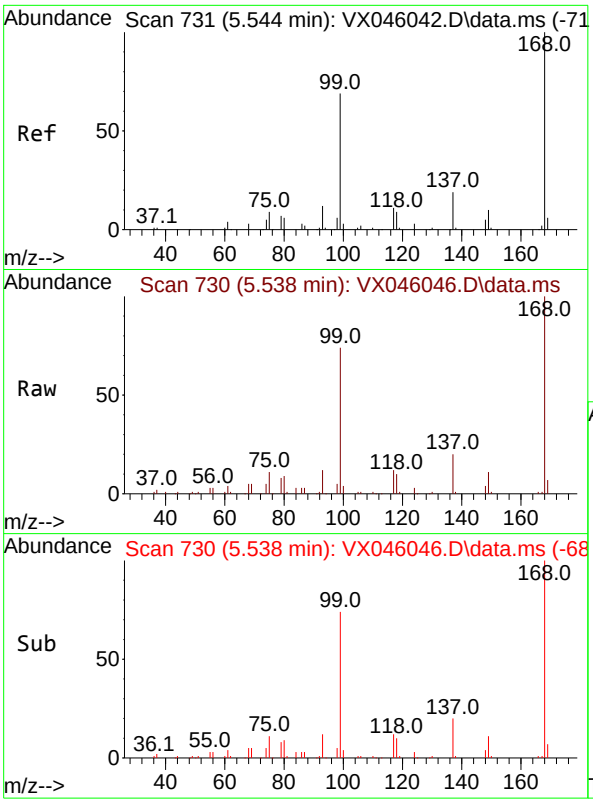
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046046.D
Acq On : 05 May 2025 16:04
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Quant Time: May 06 06:12:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration



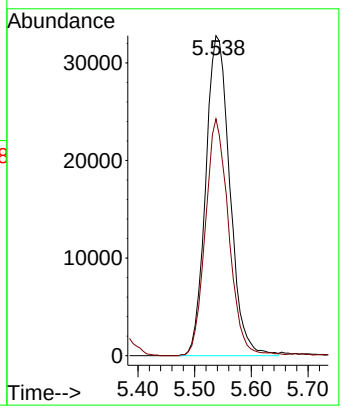


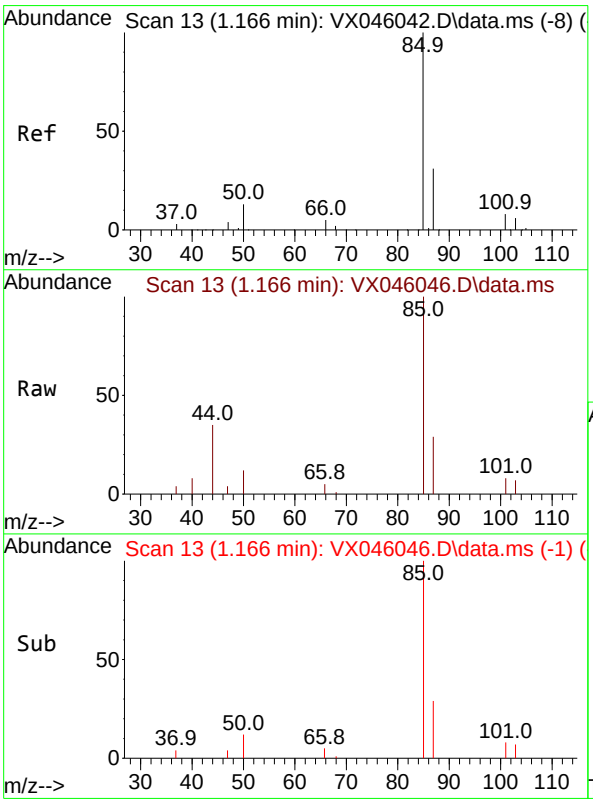
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 96964

Ion	Ratio	Lower	Upper
168	100		
99	74.0	54.9	82.3

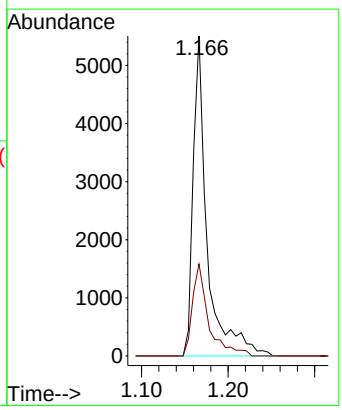


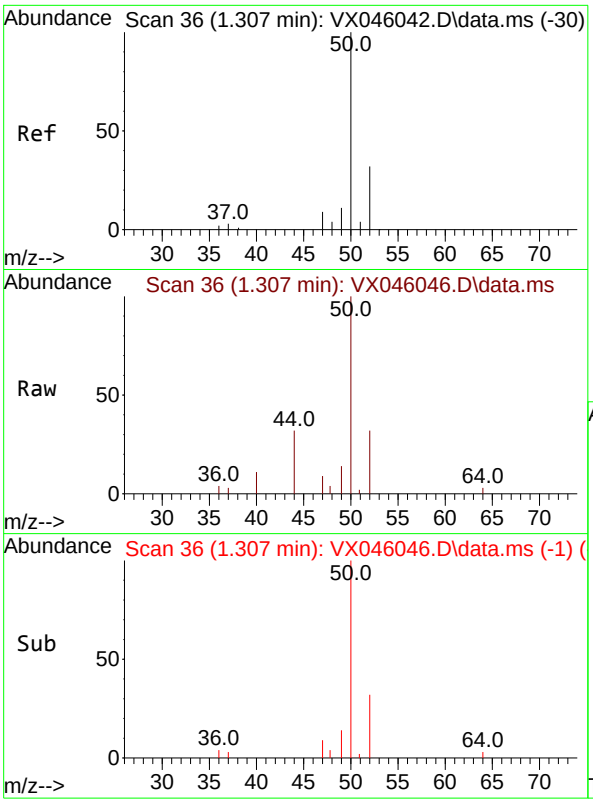


#2
Dichlorodifluoromethane
Concen: 2.894 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 85 Resp: 6195

Ion	Ratio	Lower	Upper
85	100		
87	28.7	15.7	47.1



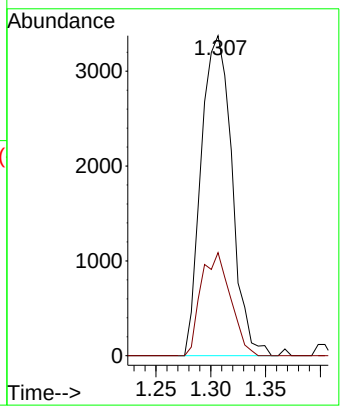


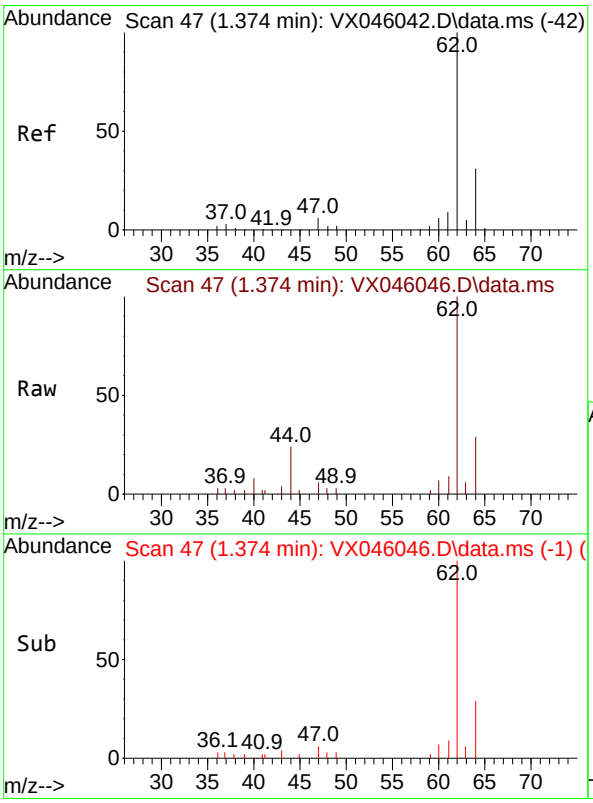
#3
Chloromethane
Concen: 3.125 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 6587

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.4	38.2

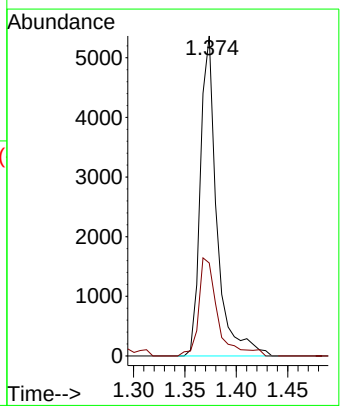


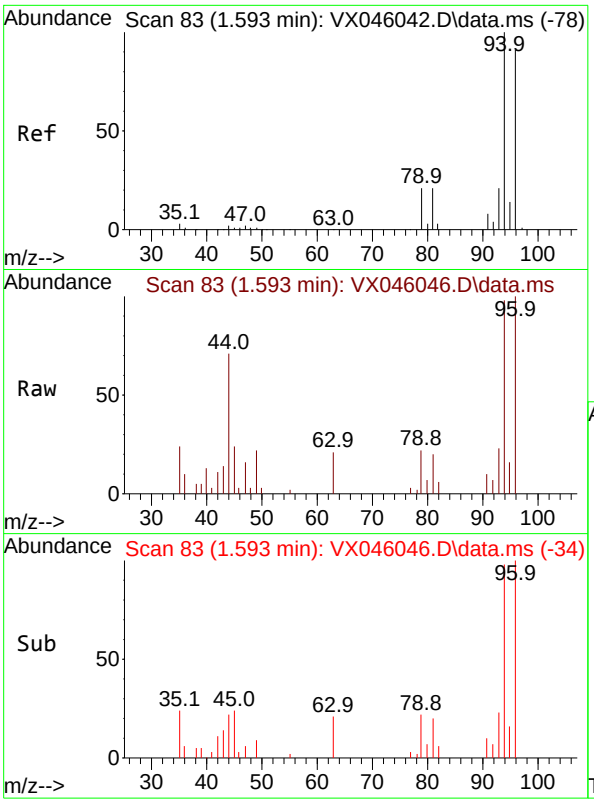


#4
Vinyl Chloride
Concen: 3.249 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 62 Resp: 5999

Ion	Ratio	Lower	Upper
62	100		
64	29.1	25.2	37.8



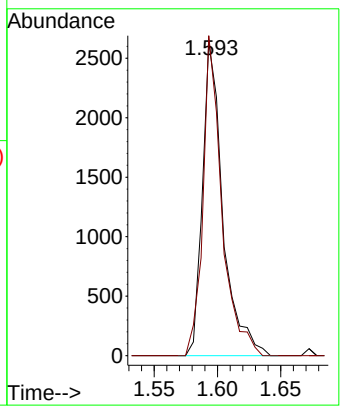


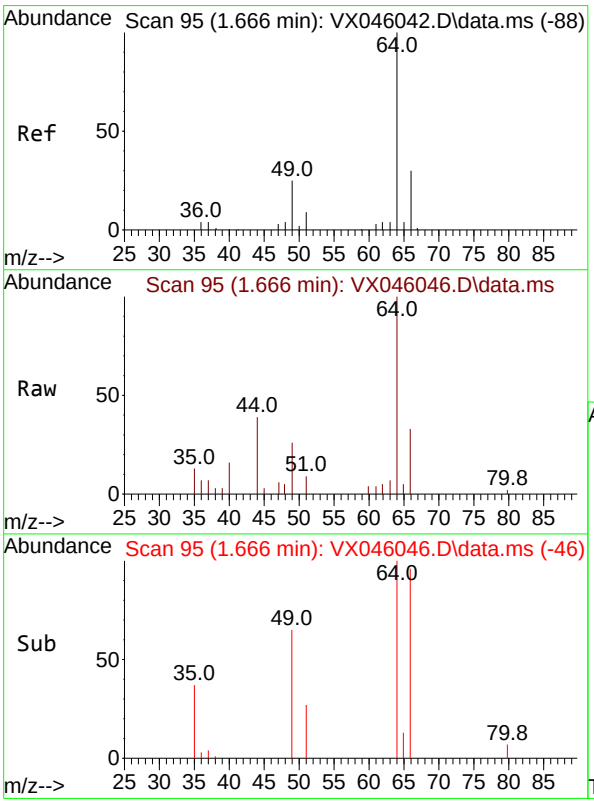
#5
Bromomethane
Concen: 3.164 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 2962

Ion	Ratio	Lower	Upper
94	100		
96	102.2	72.8	109.2

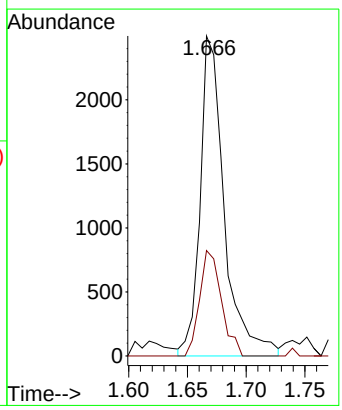


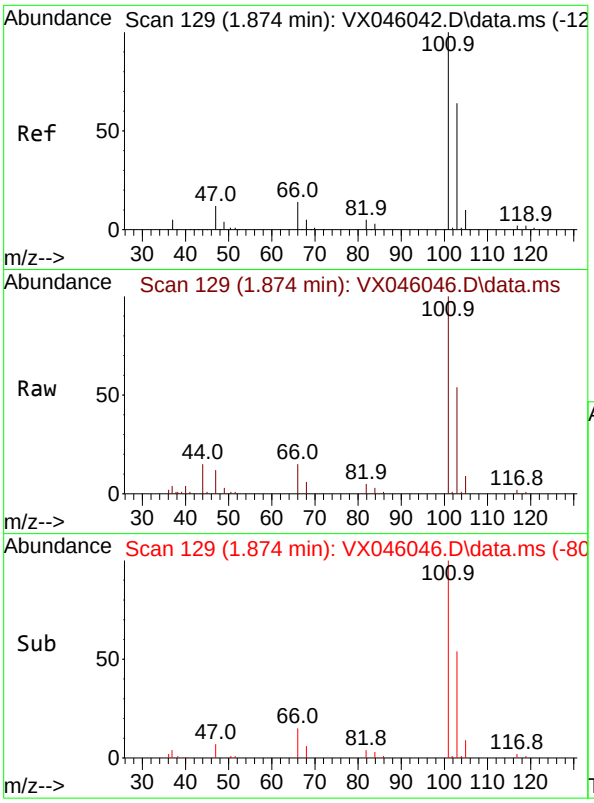


#6
Chloroethane
Concen: 3.750 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 64 Resp: 3567

Ion	Ratio	Lower	Upper
64	100		
66	33.7	24.3	36.5



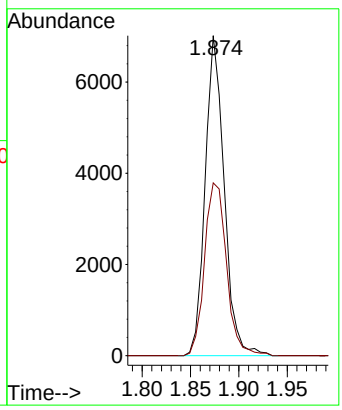


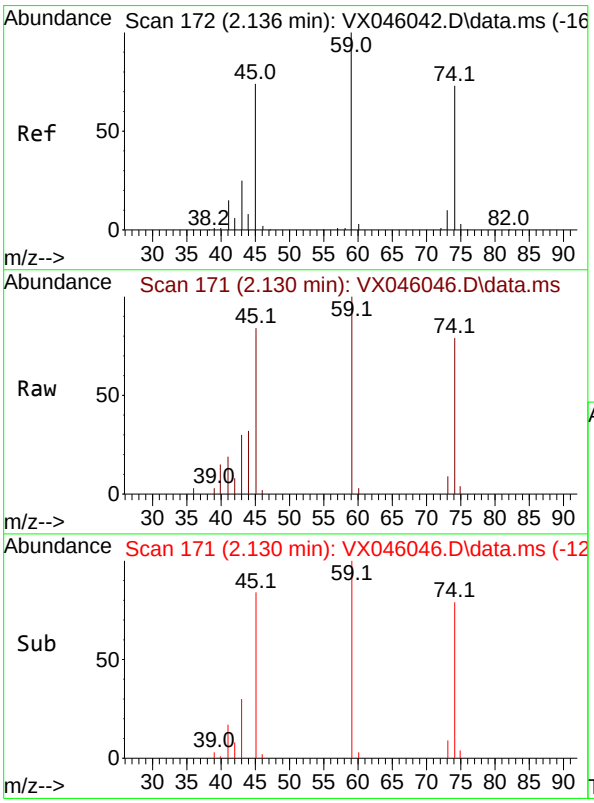
#7
Trichlorofluoromethane
Concen: 3.413 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 9599

Ion	Ratio	Lower	Upper
101	100		
103	54.0	51.0	76.4

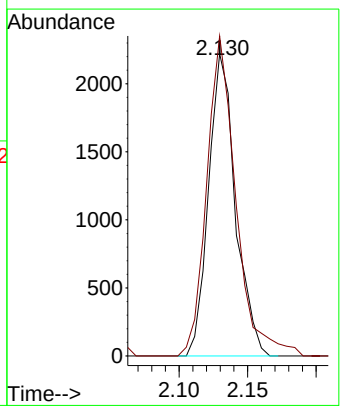


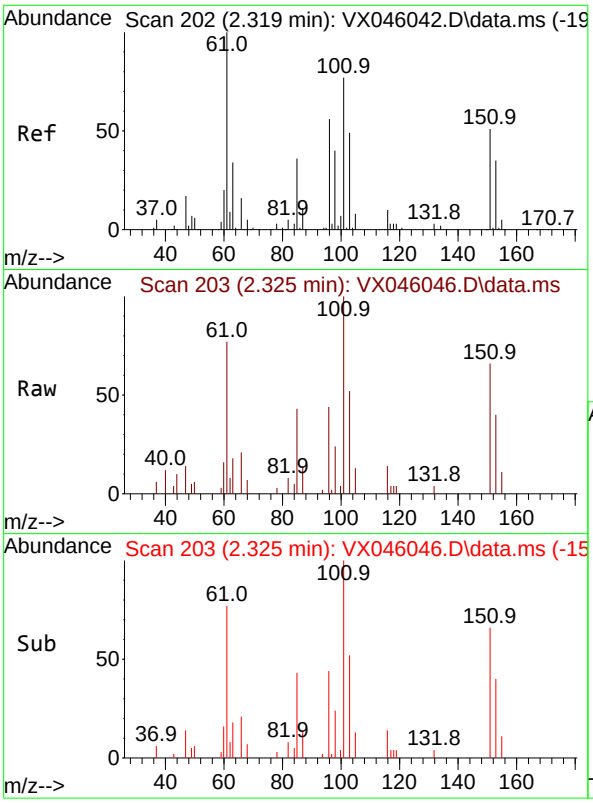


#8
Diethyl Ether
Concen: 3.266 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 74 Resp: 3020

Ion	Ratio	Lower	Upper
74	100		
45	115.1	54.9	164.8



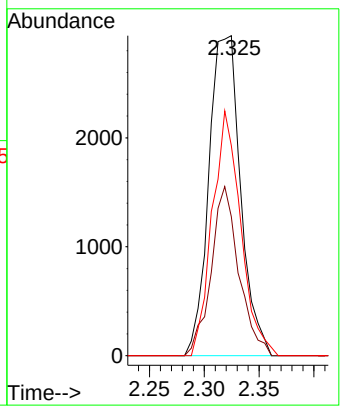


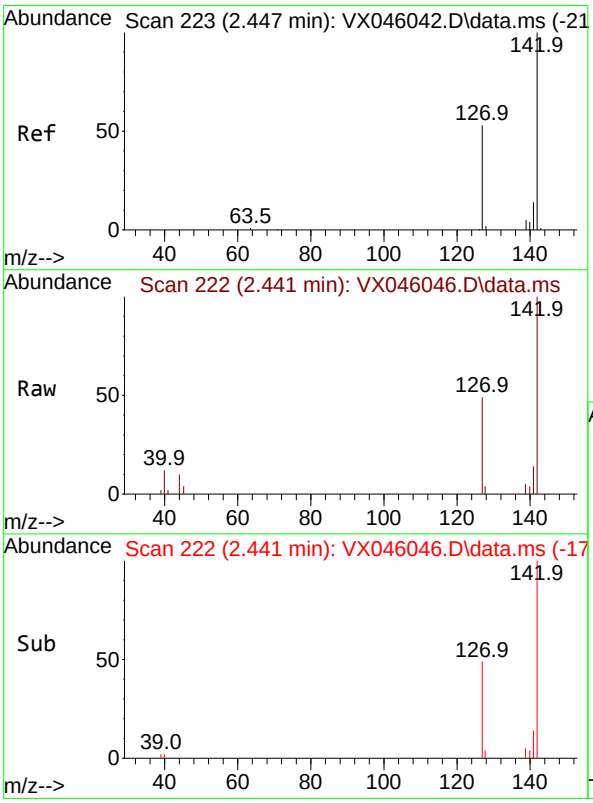
#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.517 ug/l
RT: 2.325 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 5911

Ion	Ratio	Lower	Upper
101	100		
85	46.3	38.6	58.0
151	68.8	55.2	82.8

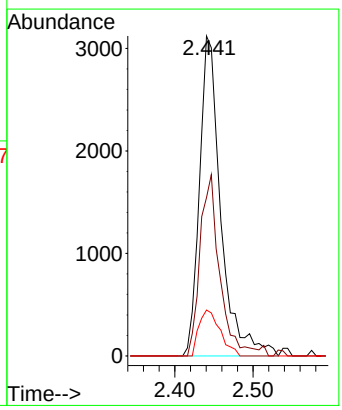


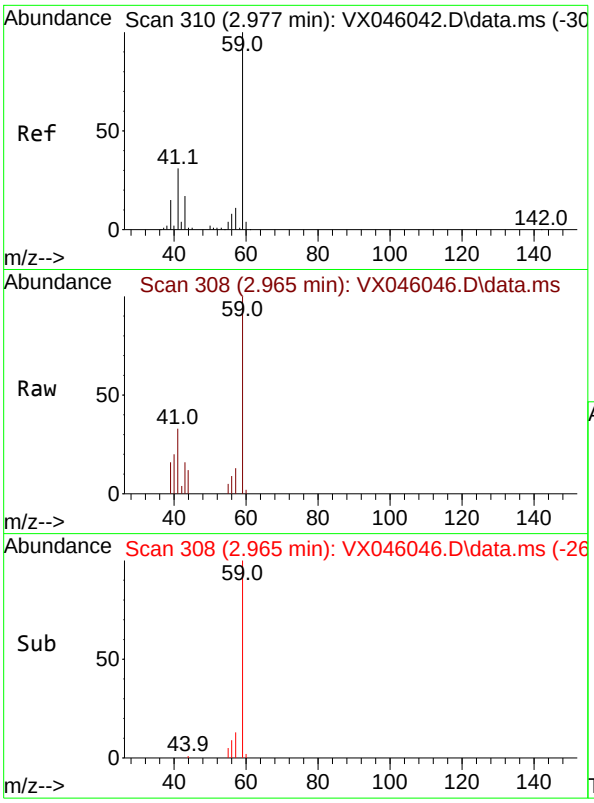


#10
Methyl Iodide
Concen: 2.990 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:142 Resp: 5900

Ion	Ratio	Lower	Upper
142	100		
127	52.8	41.7	62.5
141	14.3	11.5	17.3



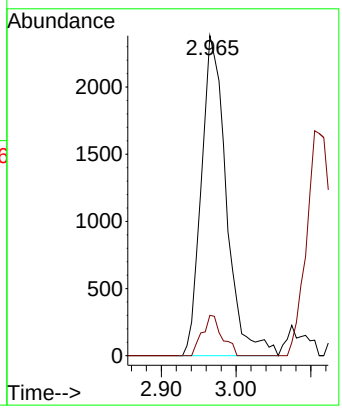


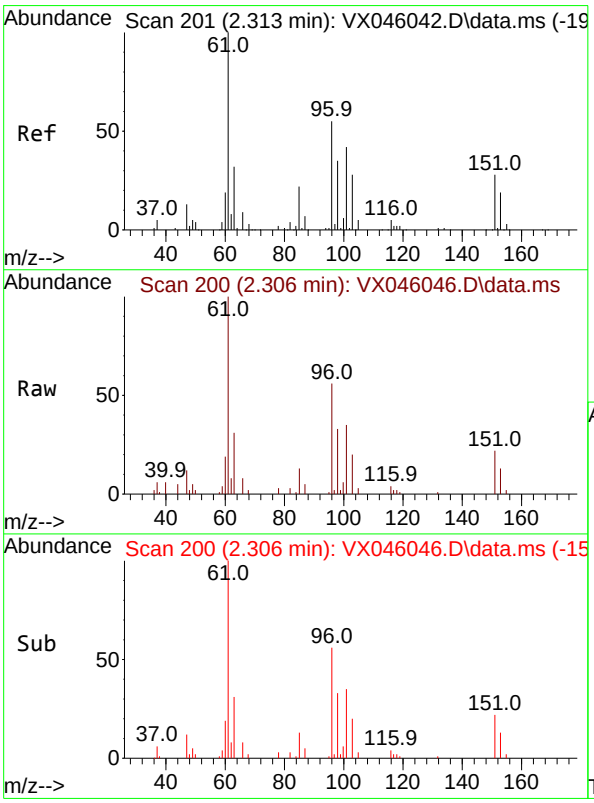
#11
Tert butyl alcohol
Concen: 16.111 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 5539

Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	12.8

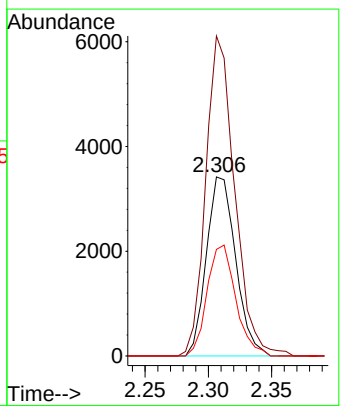


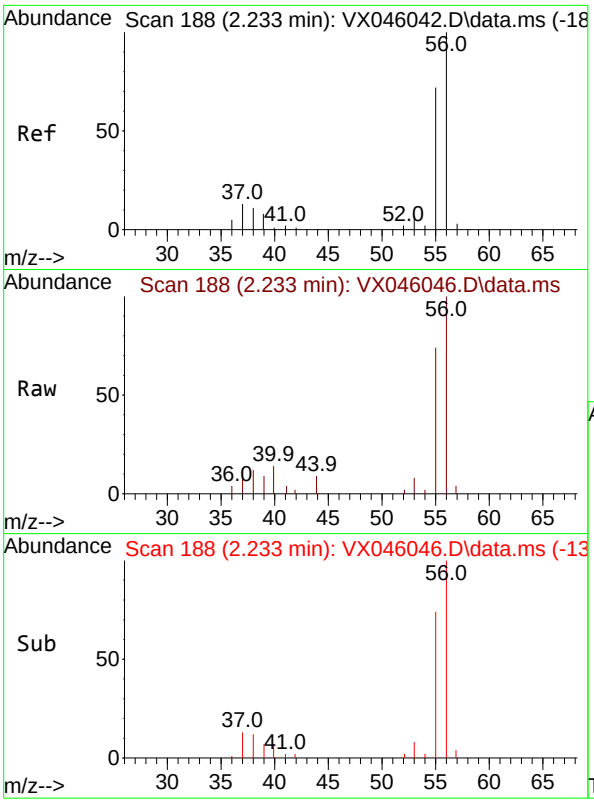


#12
1,1-Dichloroethene
Concen: 3.359 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 96 Resp: 5496

Ion	Ratio	Lower	Upper
96	100		
61	178.7	146.2	219.2
98	59.5	51.0	76.6



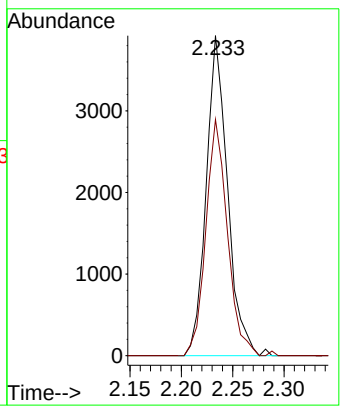


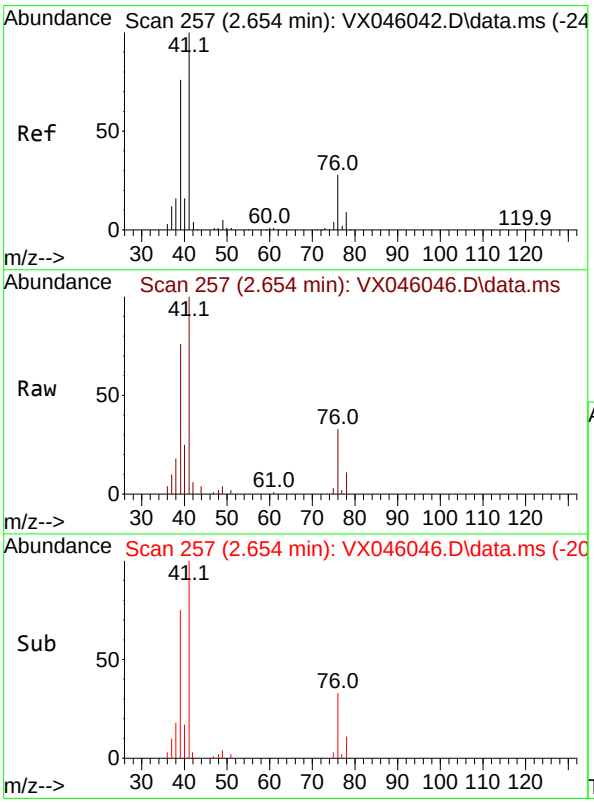
#13
Acrolein
Concen: 14.206 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 5673

Ion	Ratio	Lower	Upper
56	100		
55	74.5	56.2	84.4

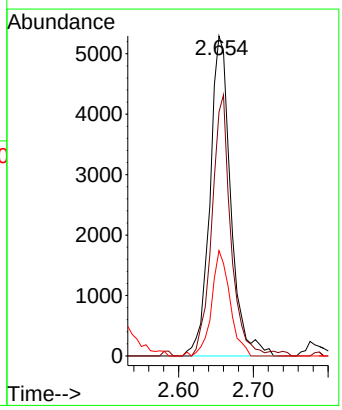


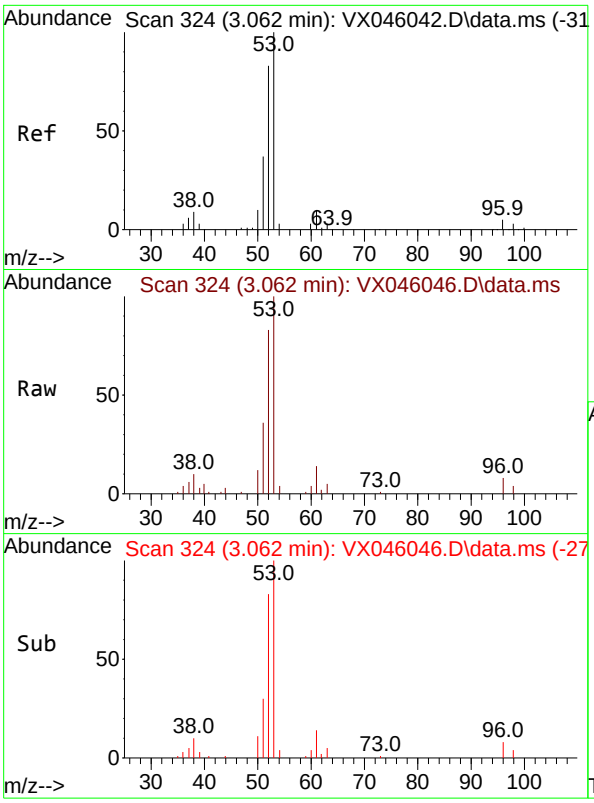


#14
Allyl chloride
Concen: 3.319 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 41 Resp: 10262

Ion	Ratio	Lower	Upper
41	100		
39	74.1	60.6	90.8
76	29.1	24.9	37.3



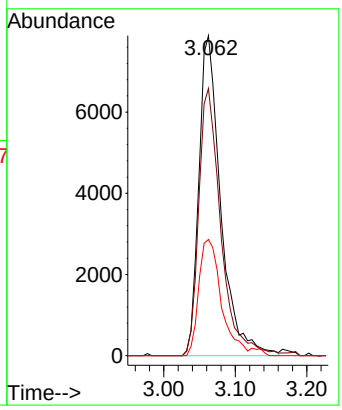


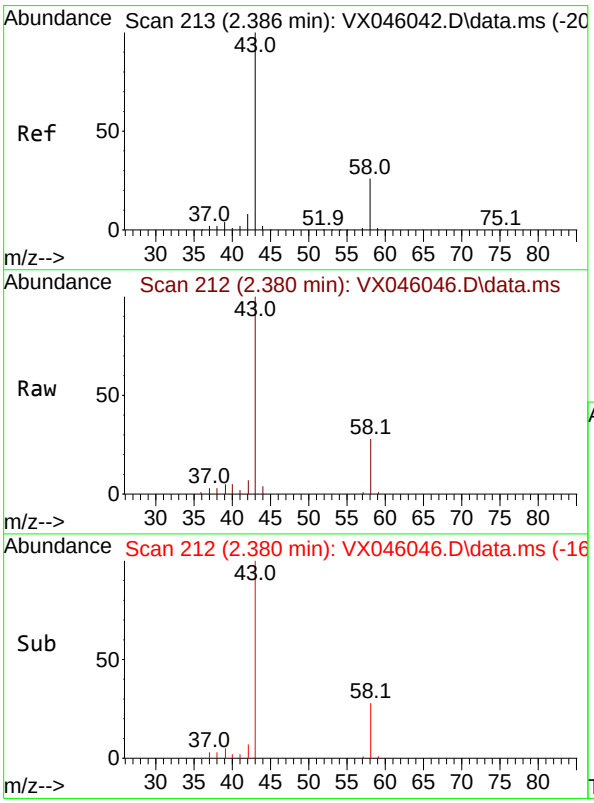
#15
Acrylonitrile
Concen: 16.282 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 16746

Ion	Ratio	Lower	Upper
53	100		
52	84.3	65.3	97.9
51	38.5	29.8	44.8

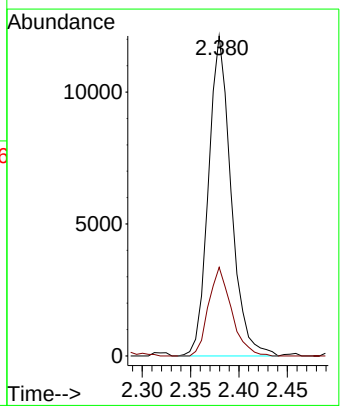


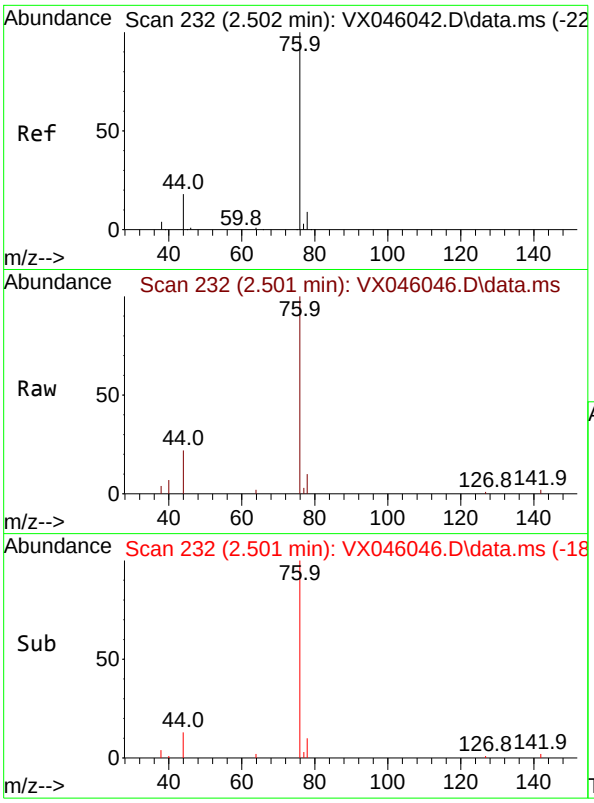


#16
Acetone
Concen: 20.036 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 19773

Ion	Ratio	Lower	Upper
43	100		
58	27.7	21.2	31.8



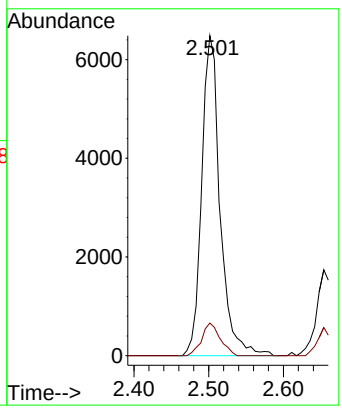


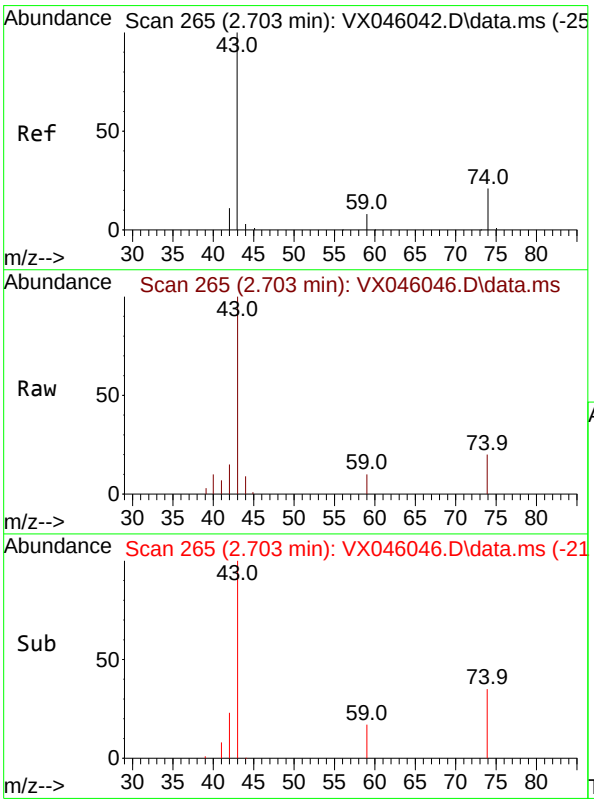
#17
Carbon Disulfide
Concen: 2.919 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 11068

Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.0	10.4

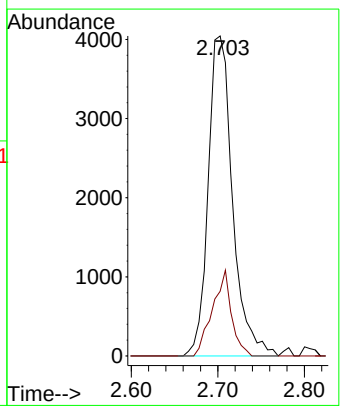


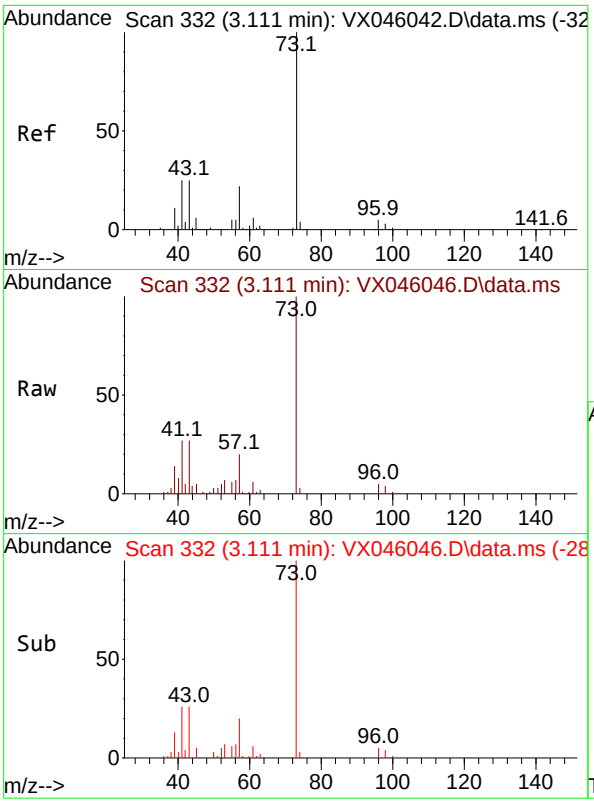


#18
Methyl Acetate
Concen: 3.357 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 7909

Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1



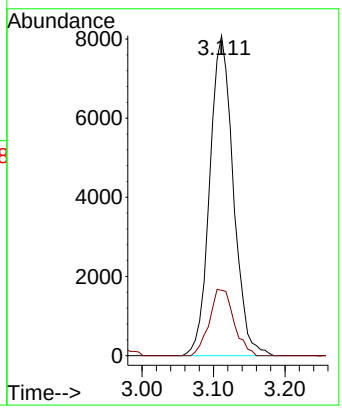


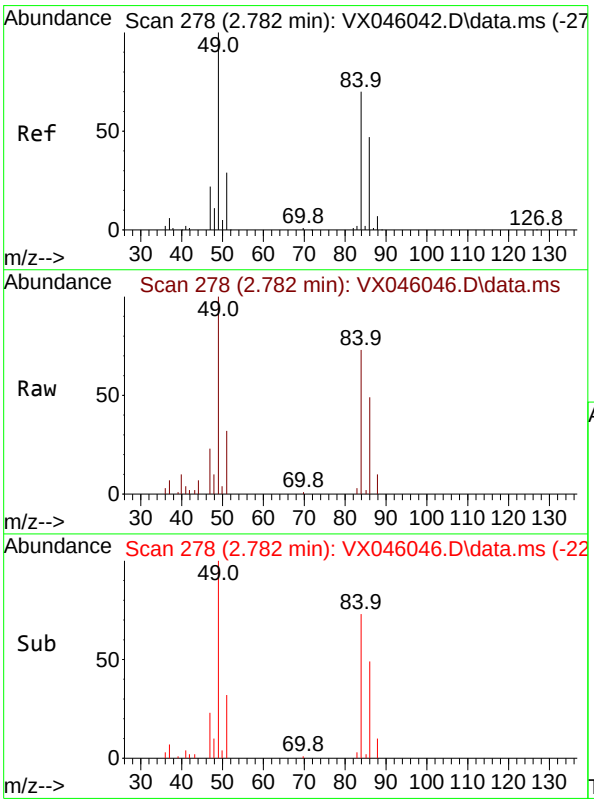
#19
Methyl tert-butyl Ether
Concen: 3.241 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 18497

Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.7	26.5

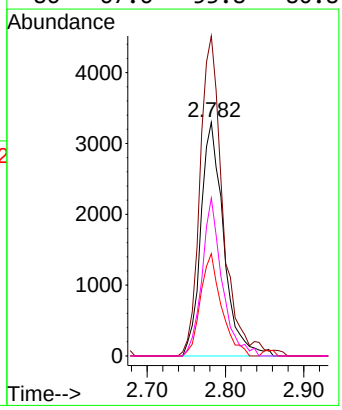


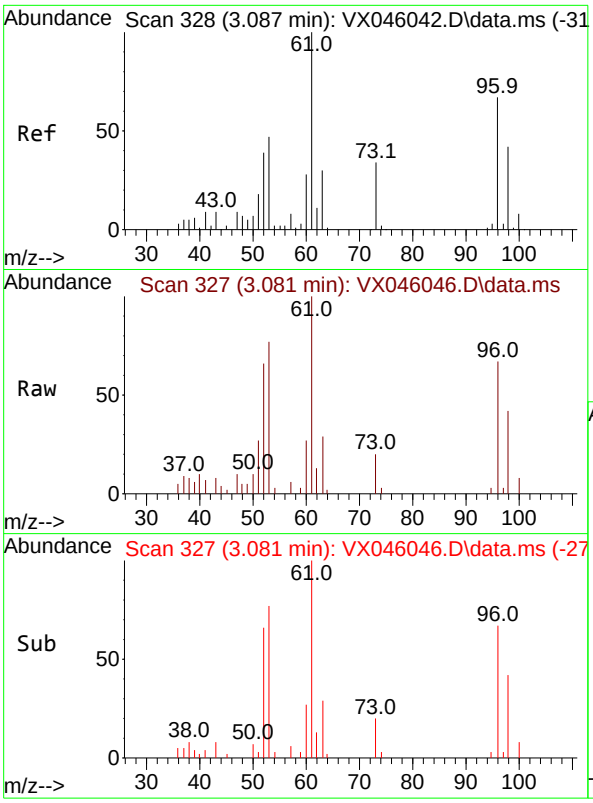


#20
Methylene Chloride
Concen: 3.341 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 84 Resp: 6680

Ion	Ratio	Lower	Upper
84	100		
49	137.0	113.9	170.9
51	43.8	33.5	50.3
86	67.6	53.8	80.8



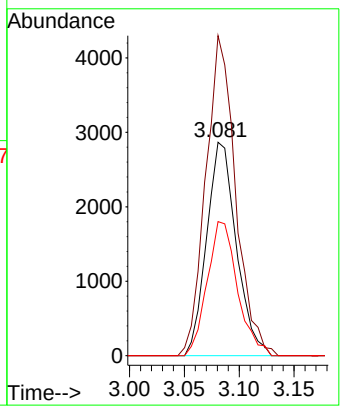


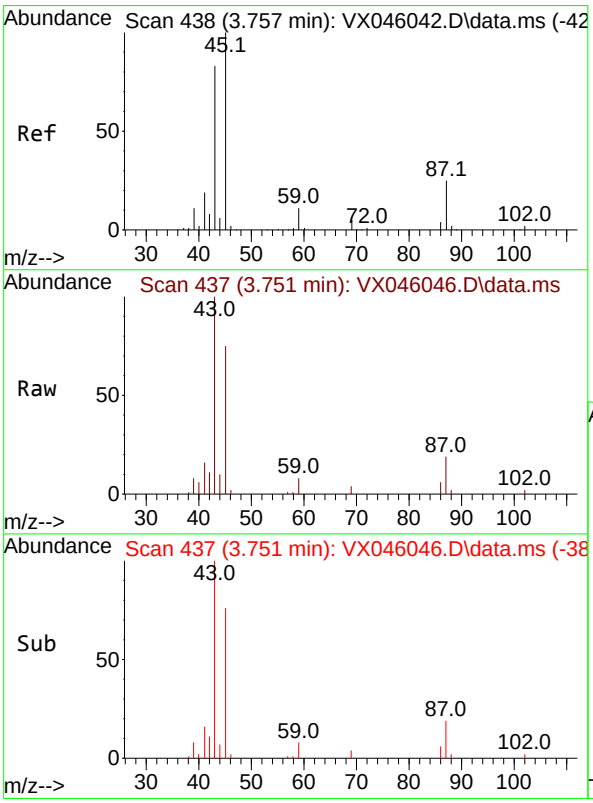
#21
trans-1,2-Dichloroethene
Concen: 3.234 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 5402

Ion	Ratio	Lower	Upper
96	100		
61	149.9	119.5	179.3
98	62.9	50.0	75.0

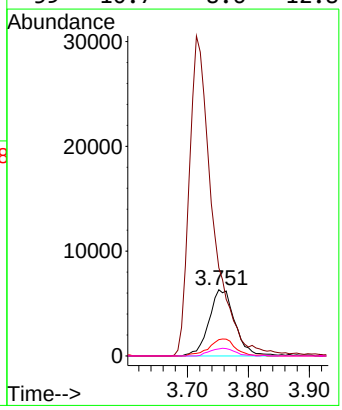


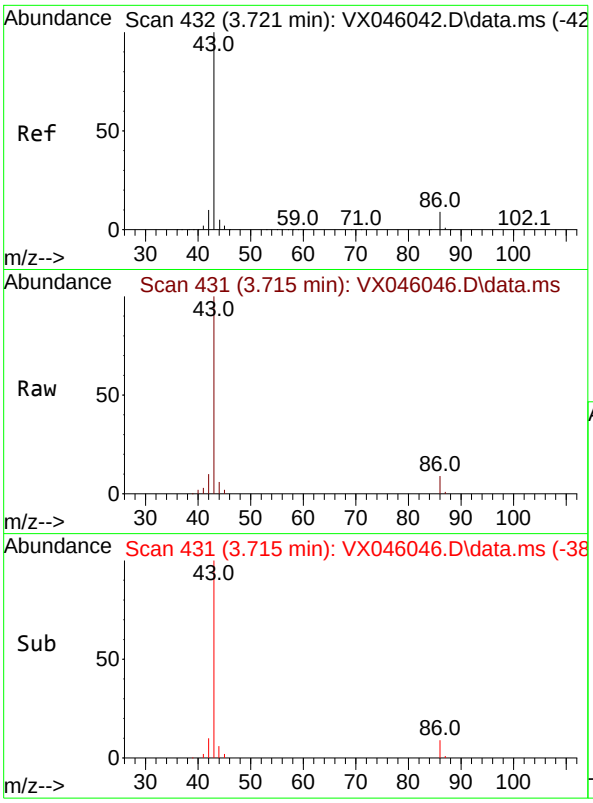


#22
Diisopropyl ether
Concen: 3.230 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 45 Resp: 18657

Ion	Ratio	Lower	Upper
45	100		
43	128.0	66.6	100.0#
87	24.7	19.8	29.6
59	10.7	8.6	12.8



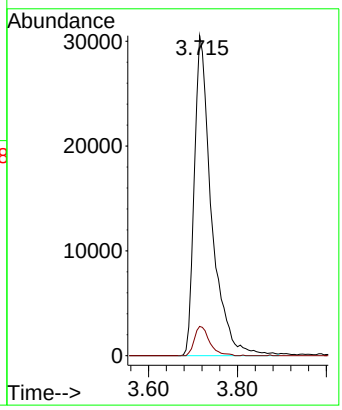


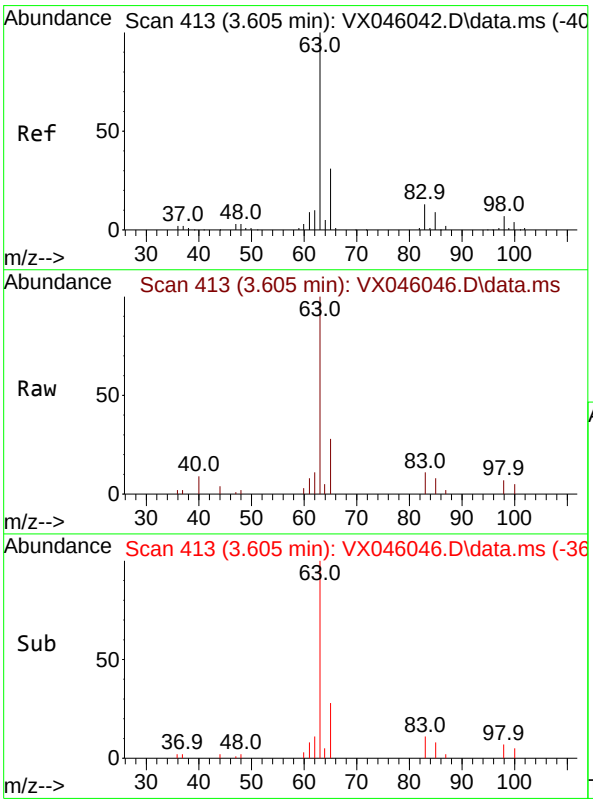
#23
Vinyl Acetate
Concen: 16.127 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 82328

Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.5	11.3

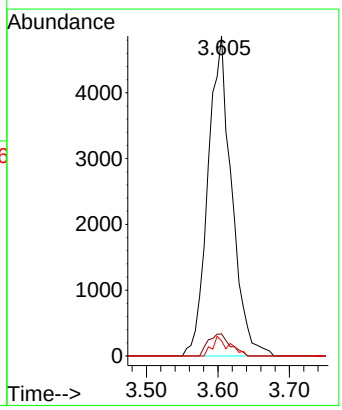


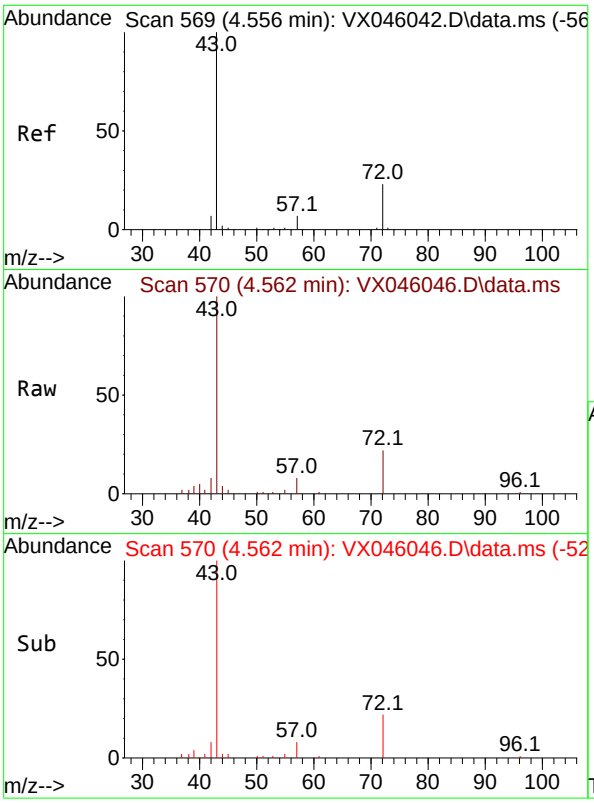


#24
1,1-Dichloroethane
Concen: 3.297 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 63 Resp: 11193

Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.6	10.8
100	4.7	2.1	6.3



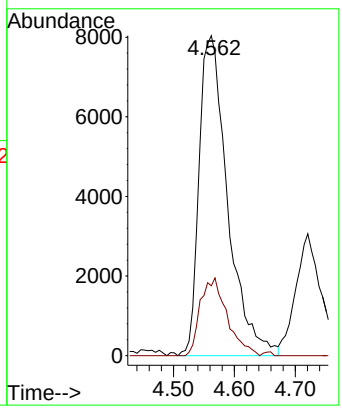


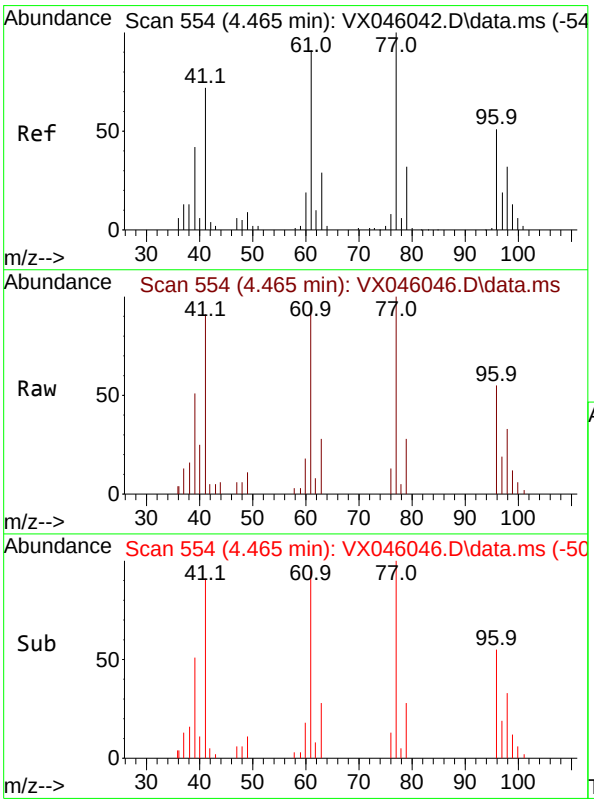
#25
2-Butanone
Concen: 18.340 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 26125

Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.4	27.6

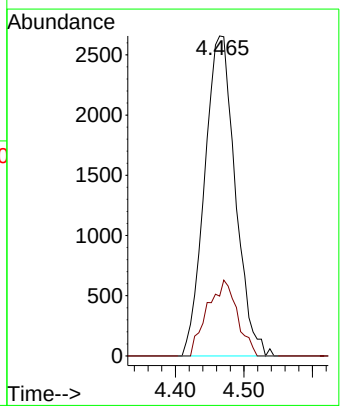


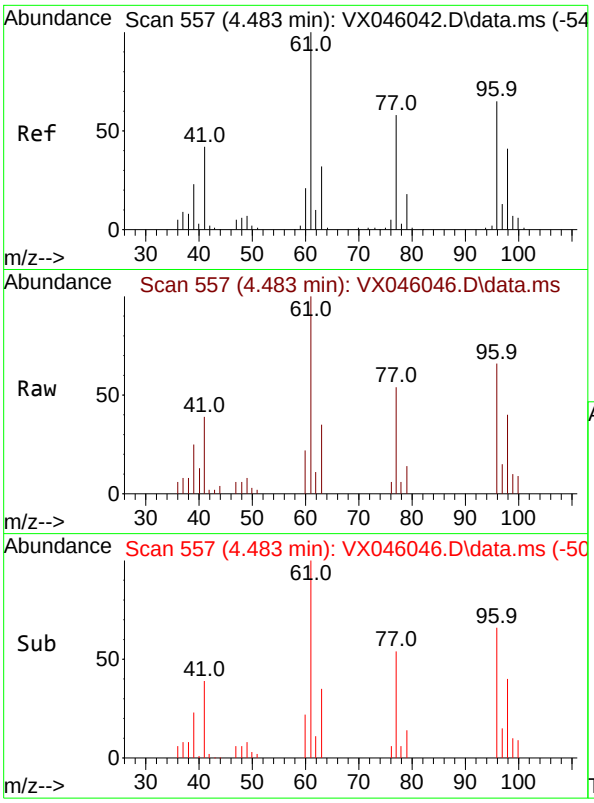


#26
2,2-Dichloropropane
Concen: 3.205 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 77 Resp: 8245

Ion	Ratio	Lower	Upper
77	100		
97	23.1	10.5	31.5



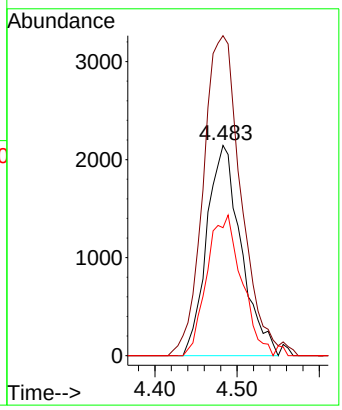


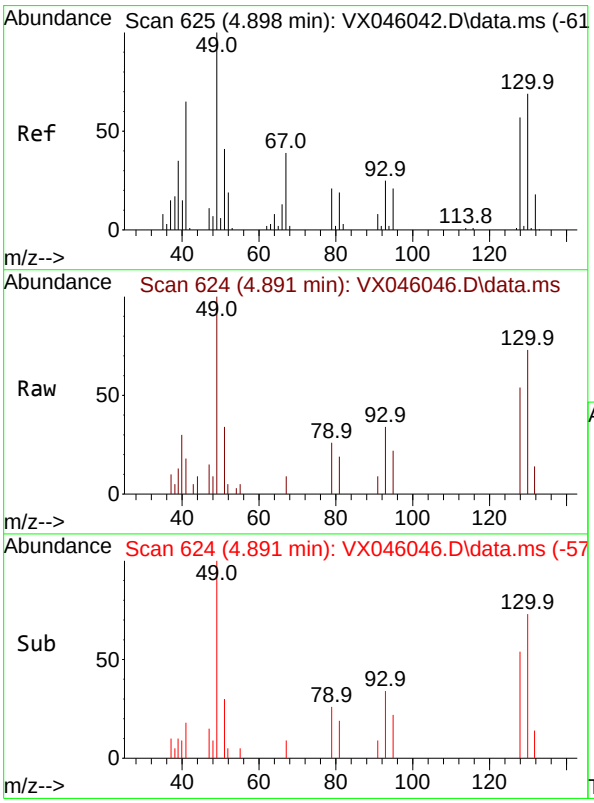
#27
cis-1,2-Dichloroethene
Concen: 3.089 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 6222

Ion	Ratio	Lower	Upper
96	100		
61	168.5	0.0	322.8
98	67.6	0.0	129.0

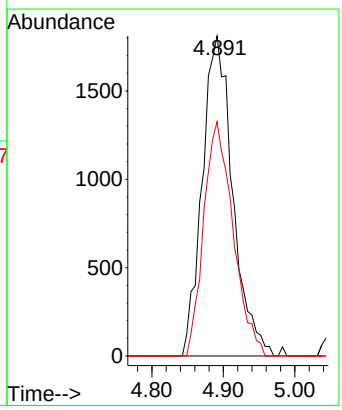


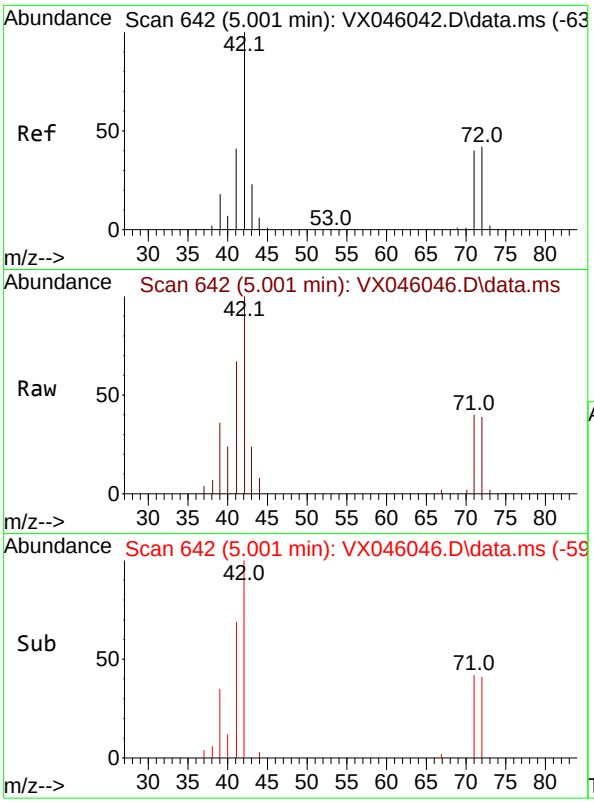


#28
Bromochloromethane
Concen: 2.969 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 49 Resp: 5360

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	70.5	56.2	84.2



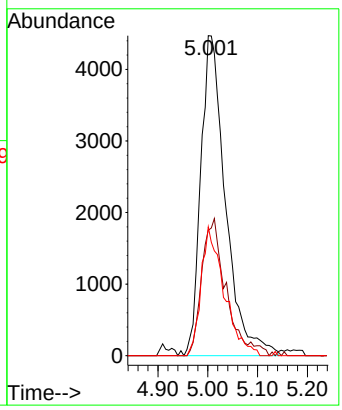


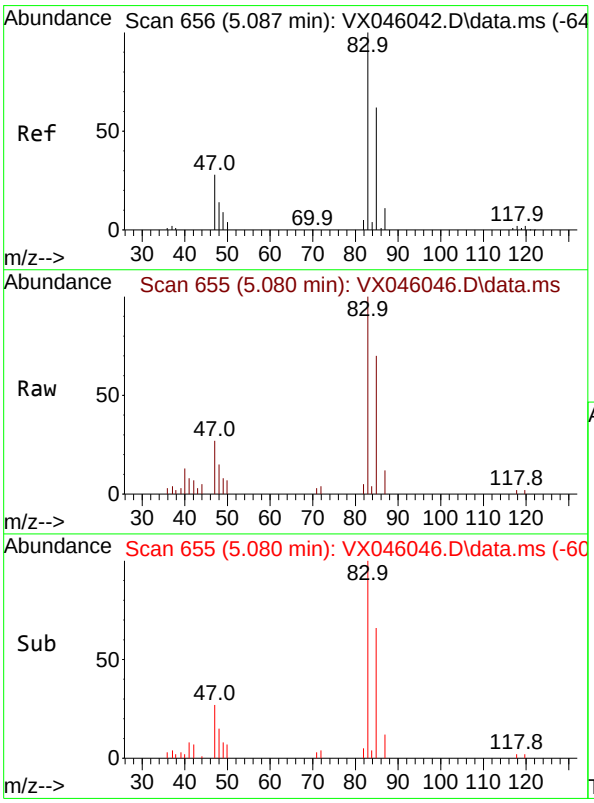
#29
Tetrahydrofuran
Concen: 16.680 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 15431

Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.7	50.5
71	37.4	31.4	47.2

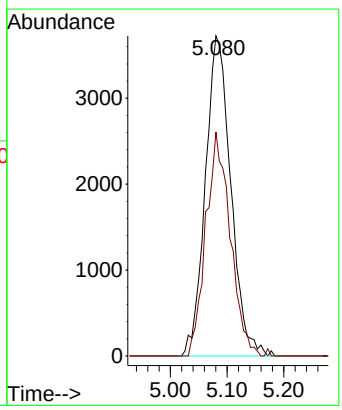


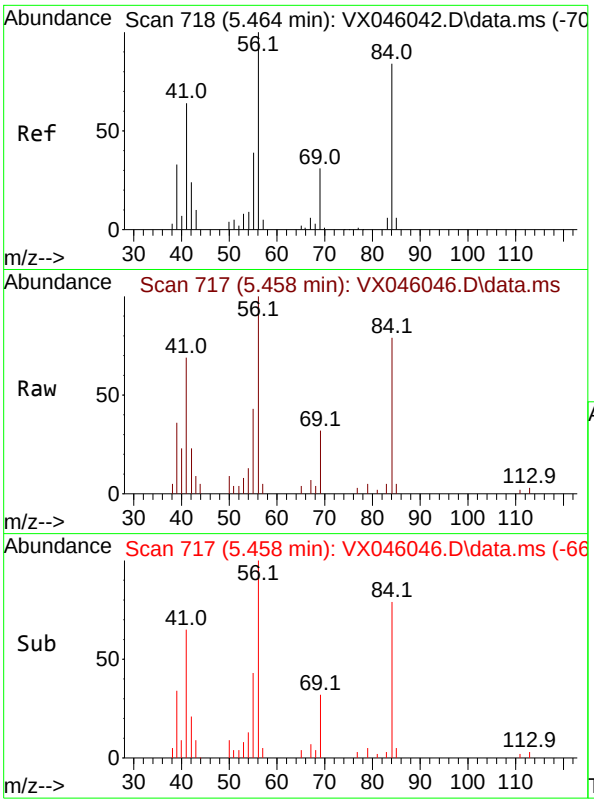


#30
Chloroform
Concen: 3.294 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 83 Resp: 11624

Ion	Ratio	Lower	Upper
83	100		
85	69.9	49.3	73.9



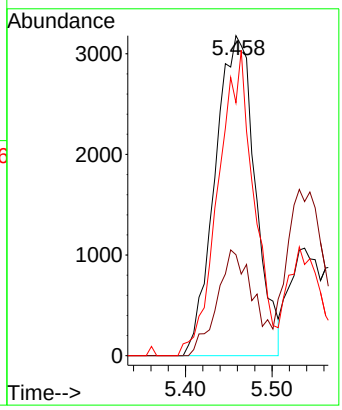


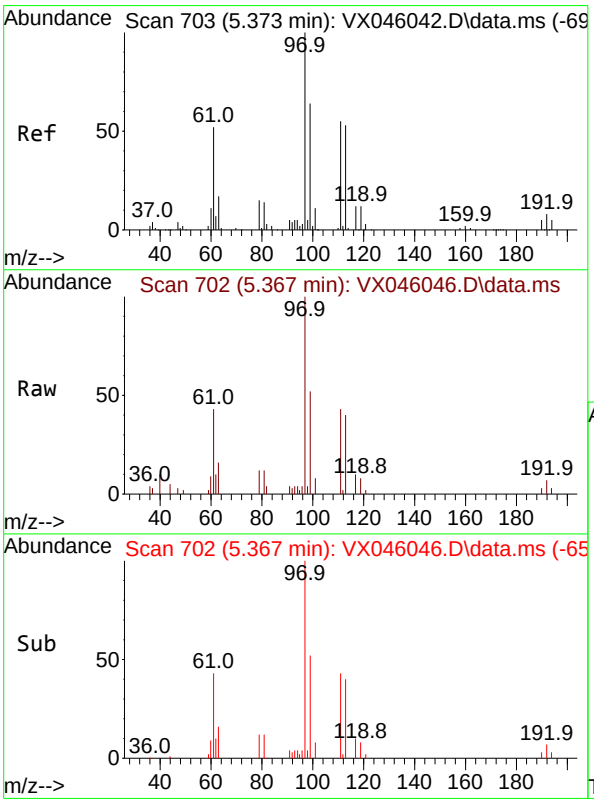
#31
Cyclohexane
Concen: 3.588 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 10269

Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.4	36.6
84	79.1	66.9	100.3

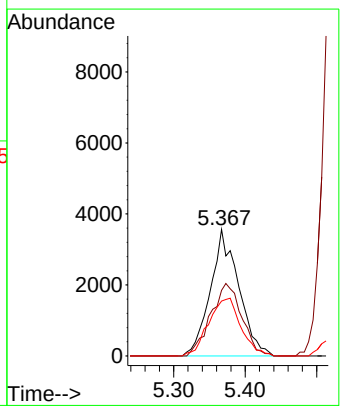


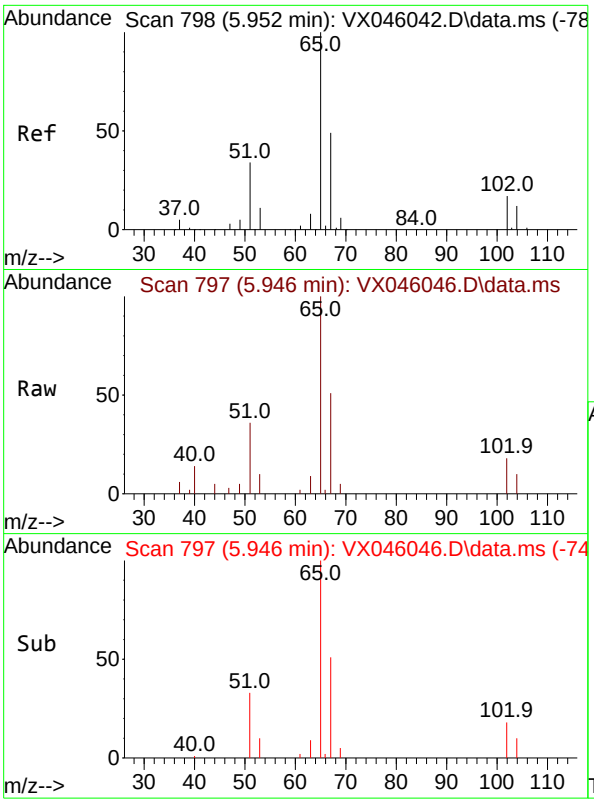


#32
1,1,1-Trichloroethane
Concen: 3.229 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 97 Resp: 9827

Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.8	77.6
61	51.8	40.1	60.1



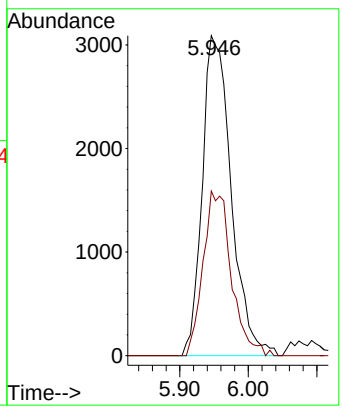


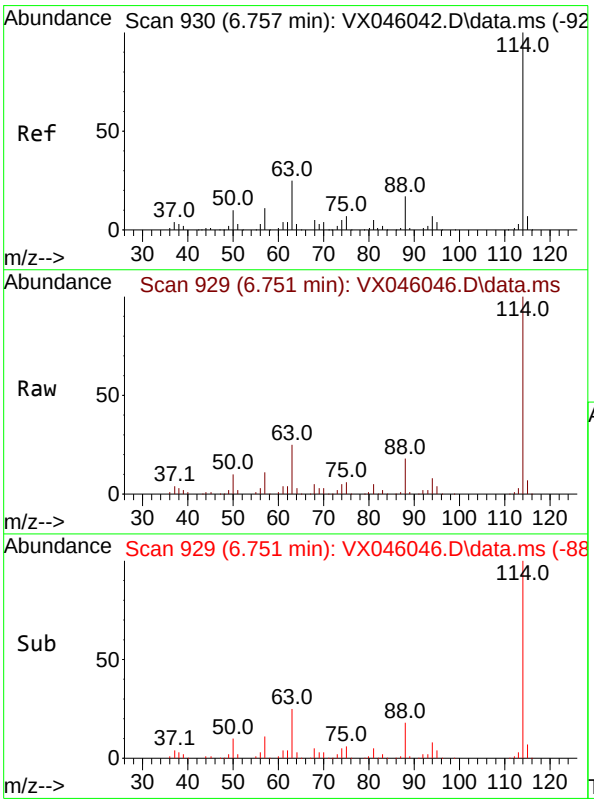
#33
1,2-Dichloroethane-d4
Concen: 3.143 ug/l
RT: 5.946 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 9067

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	99.0

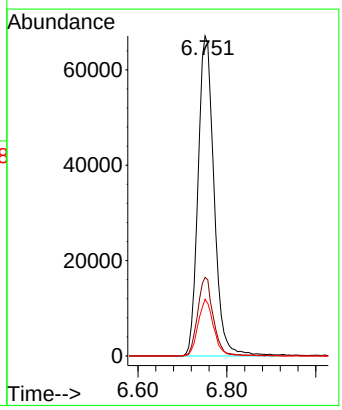


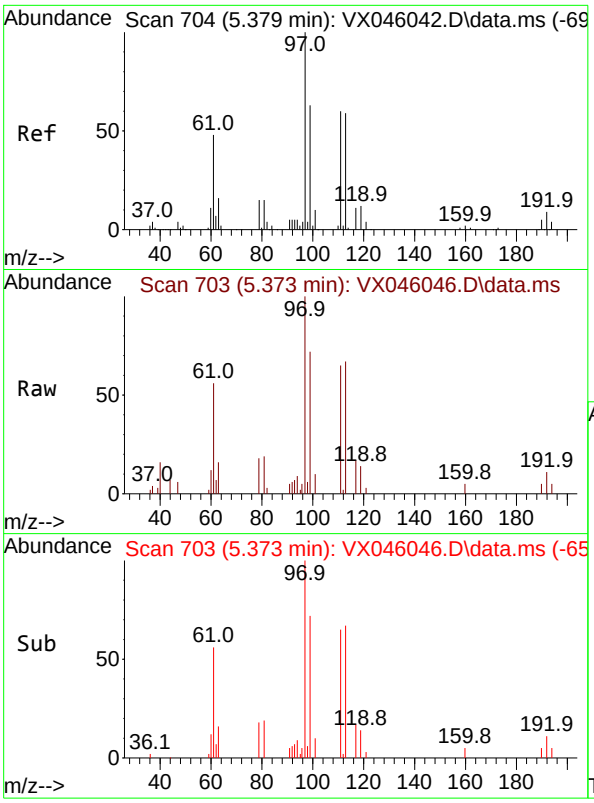


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:114 Resp: 168484

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	49.2
88	17.7	0.0	33.6



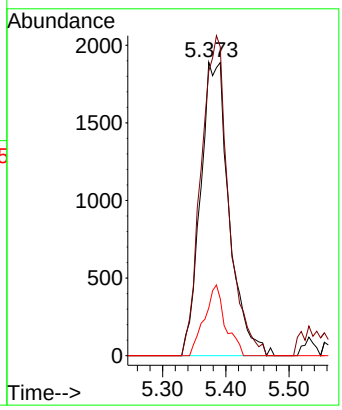


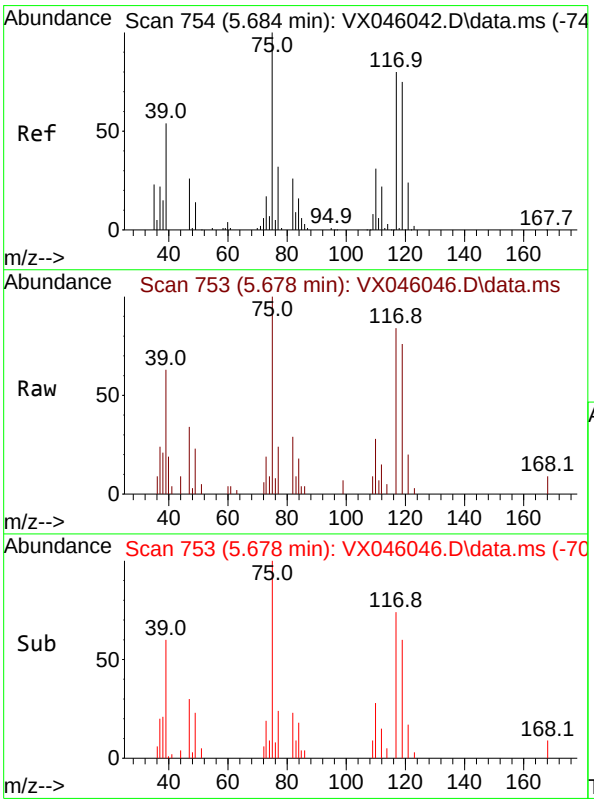
#35
Dibromofluoromethane
Concen: 3.161 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 5969

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.1	124.7
192	17.5	13.3	19.9

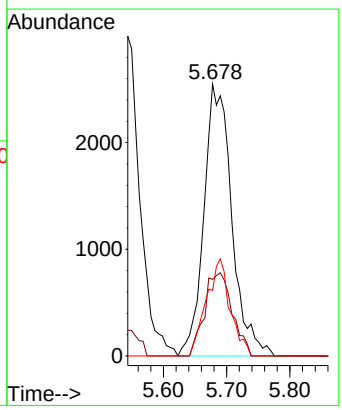


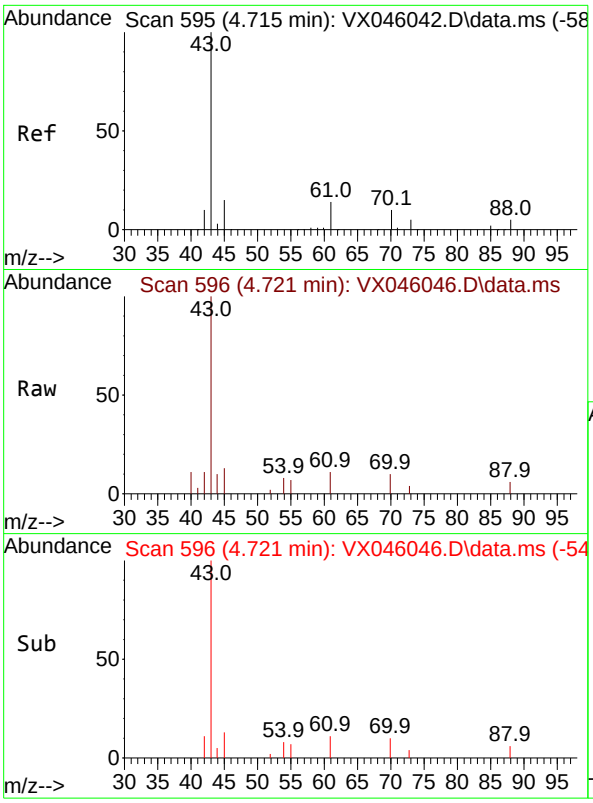


#36
1,1-Dichloropropene
Concen: 3.551 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 7787

Ion	Ratio	Lower	Upper
75	100		
110	30.6	16.3	48.9
77	30.5	24.3	36.5



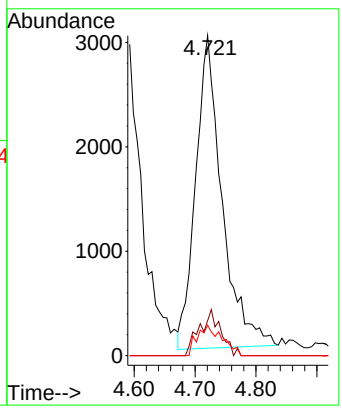


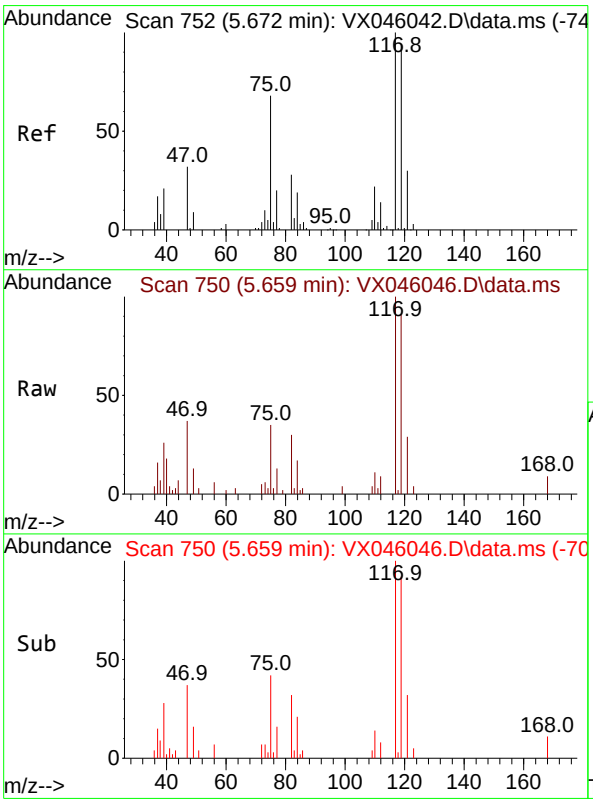
#37
Ethyl Acetate
Concen: 3.279 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 9021

Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.3	15.5
70	9.2	7.9	11.9

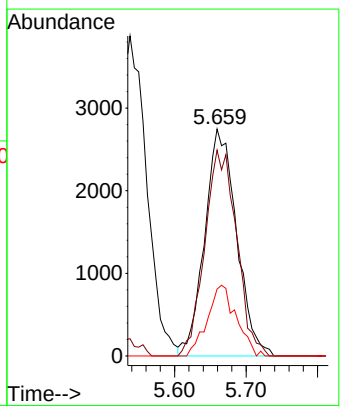


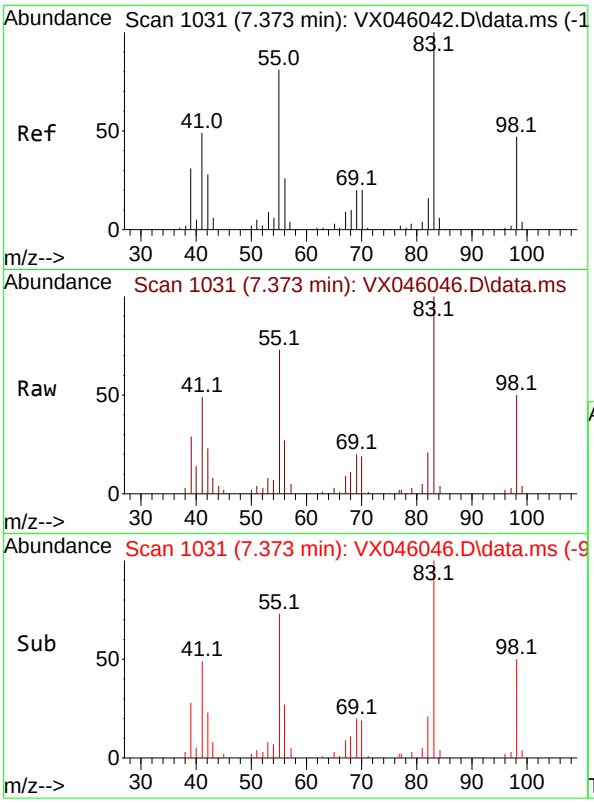


#38
Carbon Tetrachloride
Concen: 3.376 ug/l
RT: 5.659 min Scan# 750
Delta R.T. -0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 8505

Ion	Ratio	Lower	Upper
117	100		
119	90.6	75.2	112.8
121	29.5	24.2	36.4



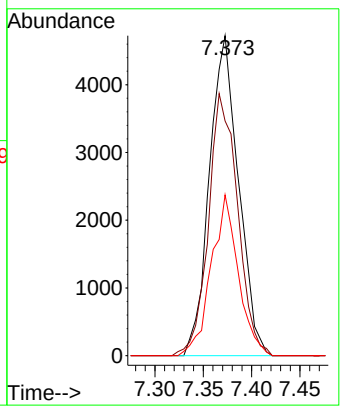


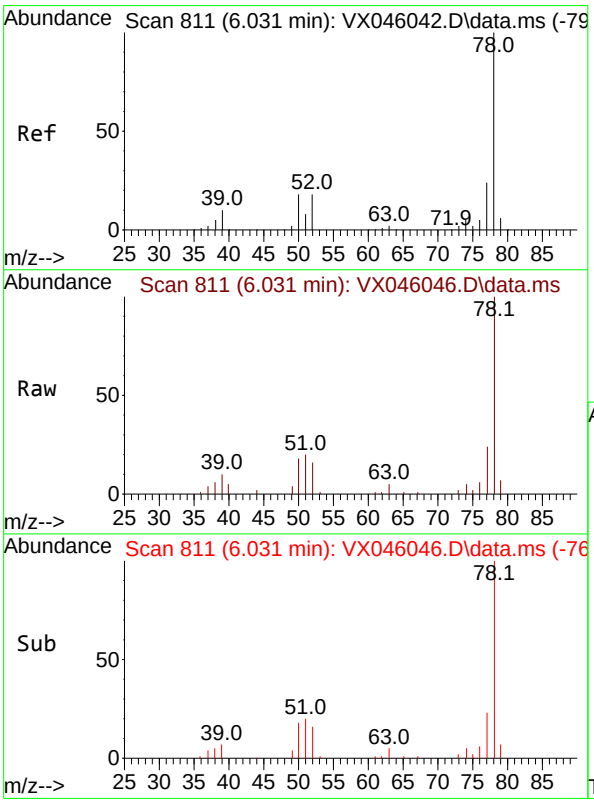
#39
Methylcyclohexane
Concen: 3.597 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 9882

Ion	Ratio	Lower	Upper
83	100		
55	73.3	64.7	97.1
98	50.3	37.4	56.2

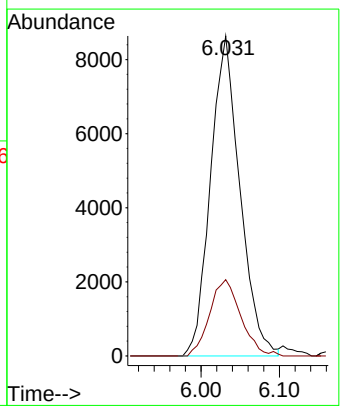


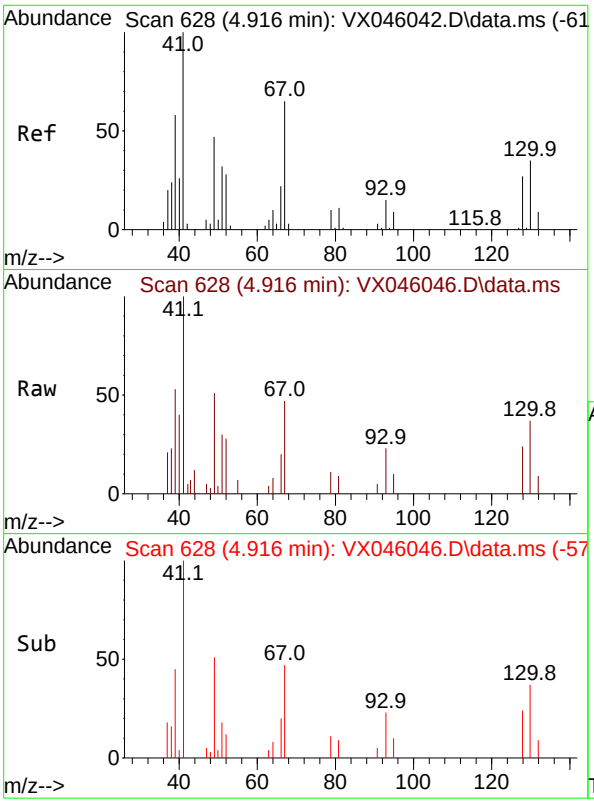


#40
Benzene
Concen: 3.315 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 78 Resp: 22528

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4



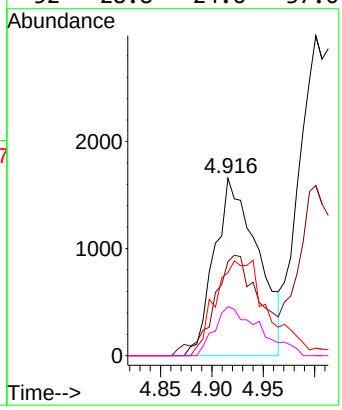


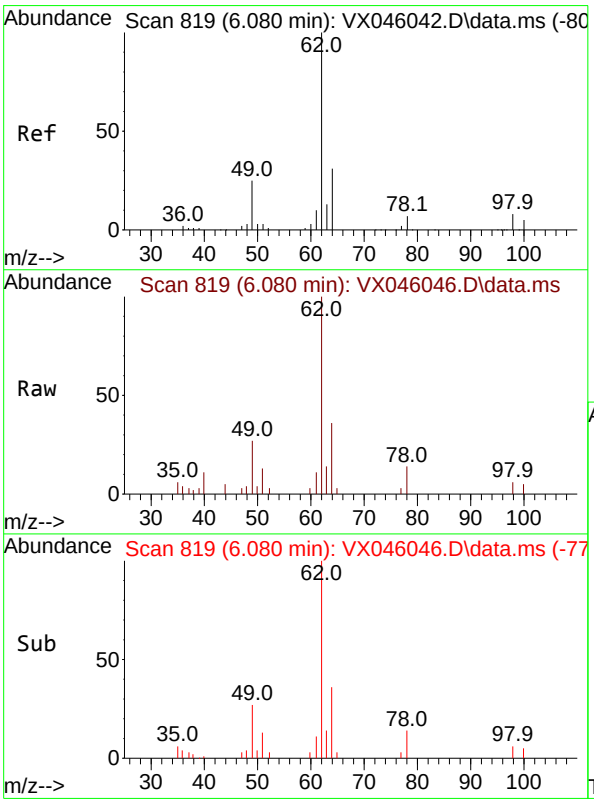
#41
Methacrylonitrile
Concen: 3.174 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 4851

Ion	Ratio	Lower	Upper
41	100		
39	59.7	47.2	70.8
67	0.0	50.7	76.1#
52	28.8	24.6	37.0

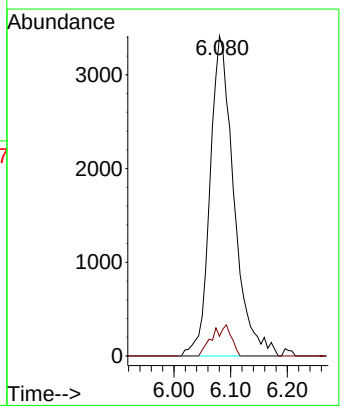


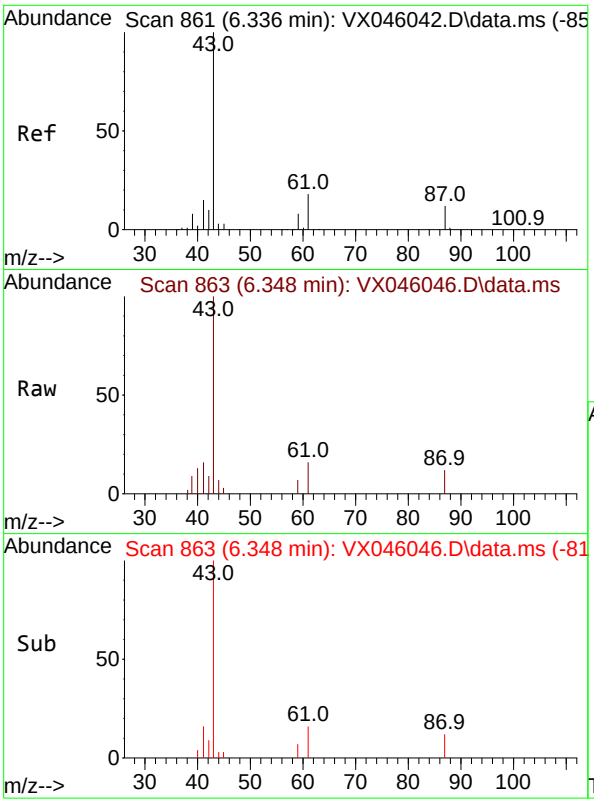


#42
1,2-Dichloroethane
Concen: 3.563 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 62 Resp: 10011

Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.2



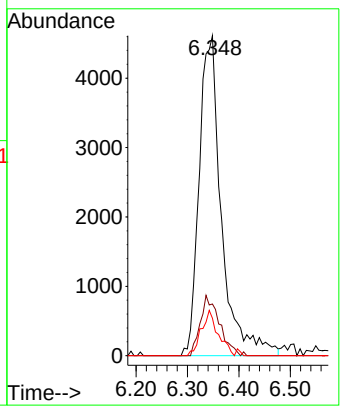


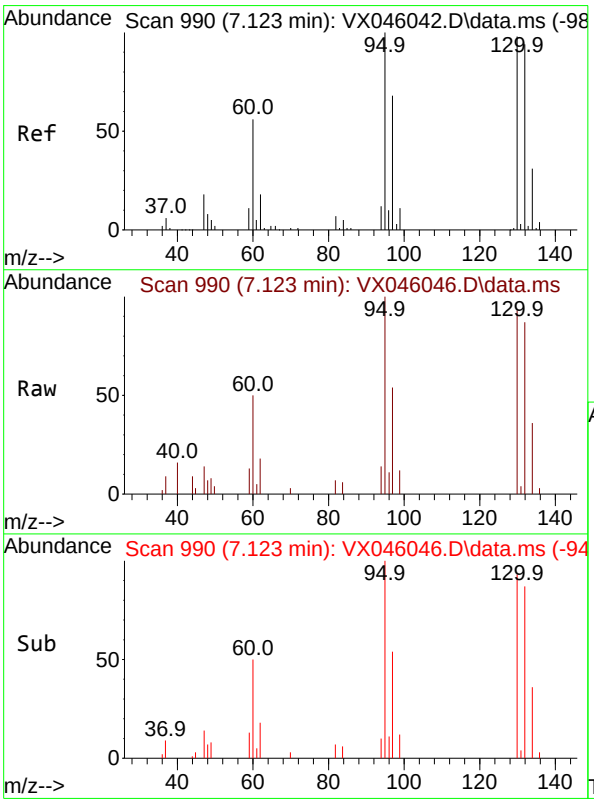
#43
Isopropyl Acetate
Concen: 3.309 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 13914

Ion	Ratio	Lower	Upper
43	100		
61	16.2	14.3	21.5
87	10.6	9.5	14.3

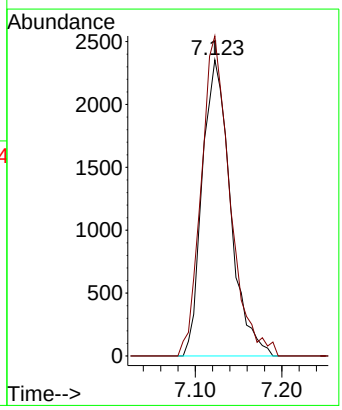


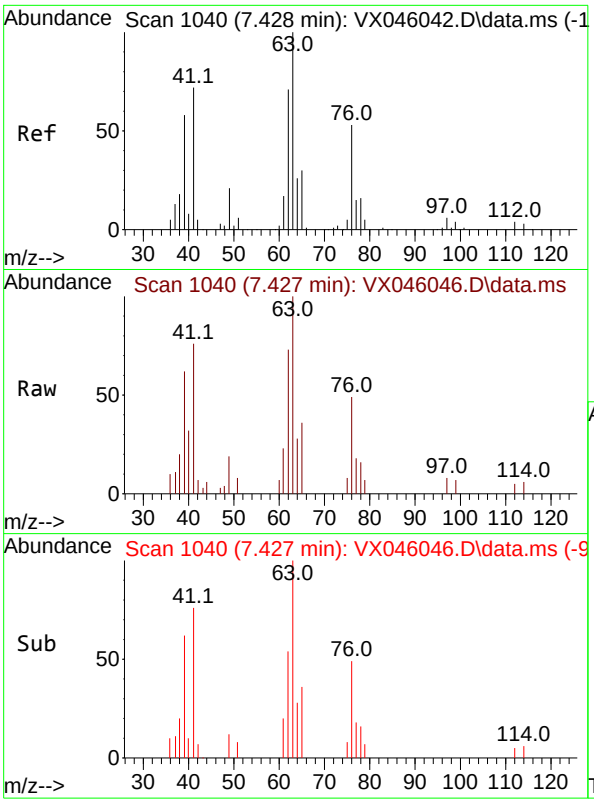


#44
Trichloroethene
Concen: 3.307 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:130 Resp: 5313

Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	204.2



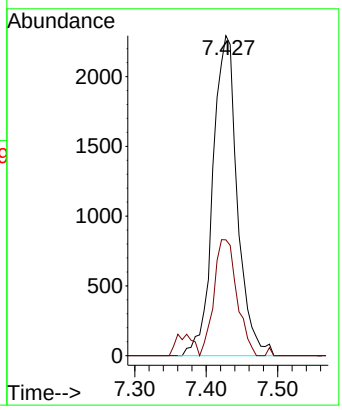


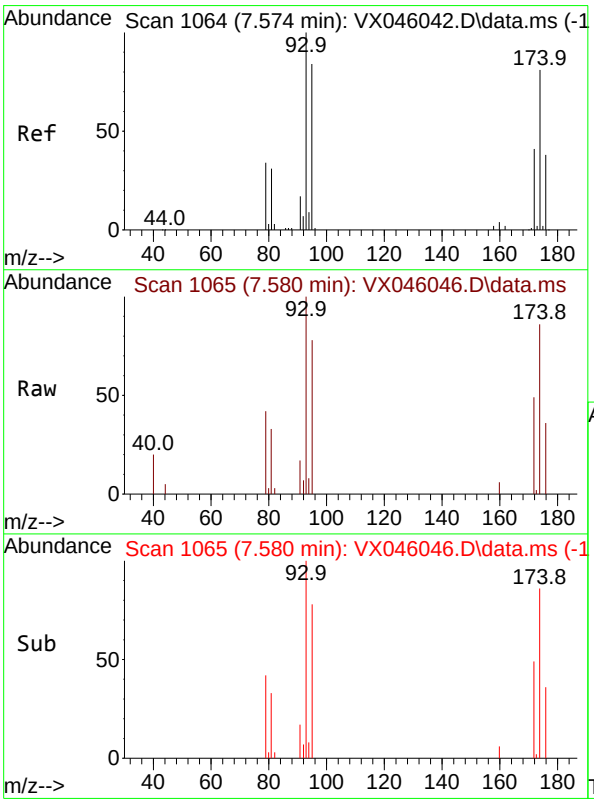
#45
1,2-Dichloropropane
Concen: 3.228 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 5451

Ion	Ratio	Lower	Upper
63	100		
65	36.2	24.1	36.1#

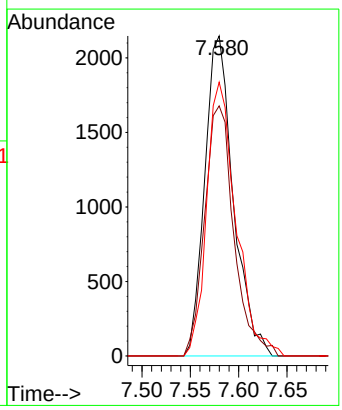


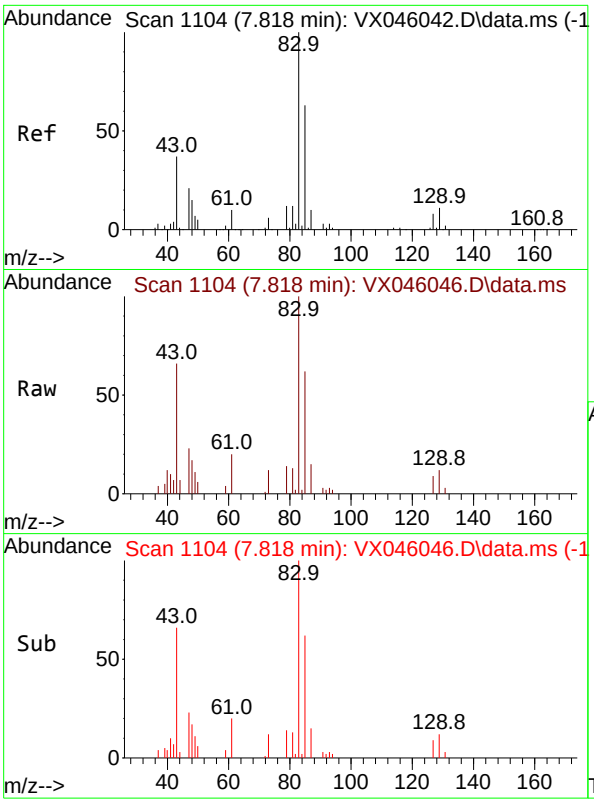


#46
Dibromomethane
Concen: 3.318 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 93 Resp: 4417

Ion	Ratio	Lower	Upper
93	100		
95	80.1	65.6	98.4
174	87.6	68.2	102.2



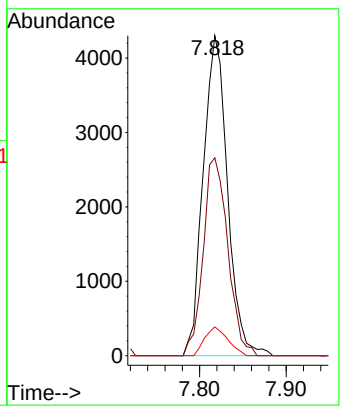


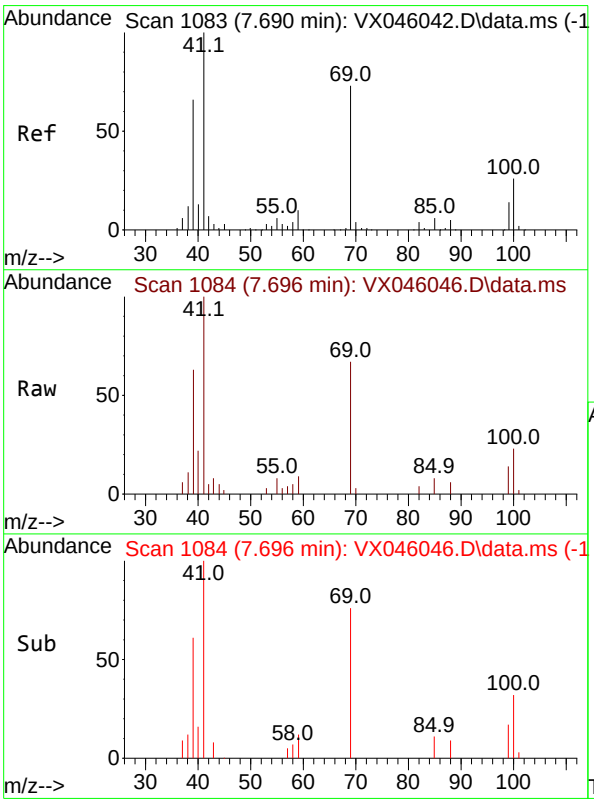
#47
Bromodichloromethane
Concen: 3.254 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 8394

Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.5	75.7
127	9.0	6.5	9.7

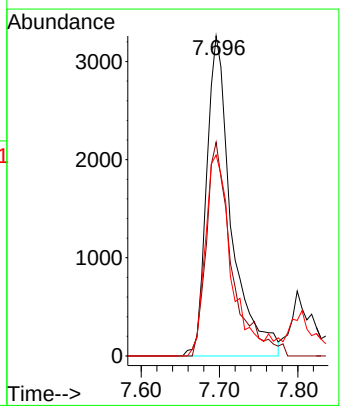


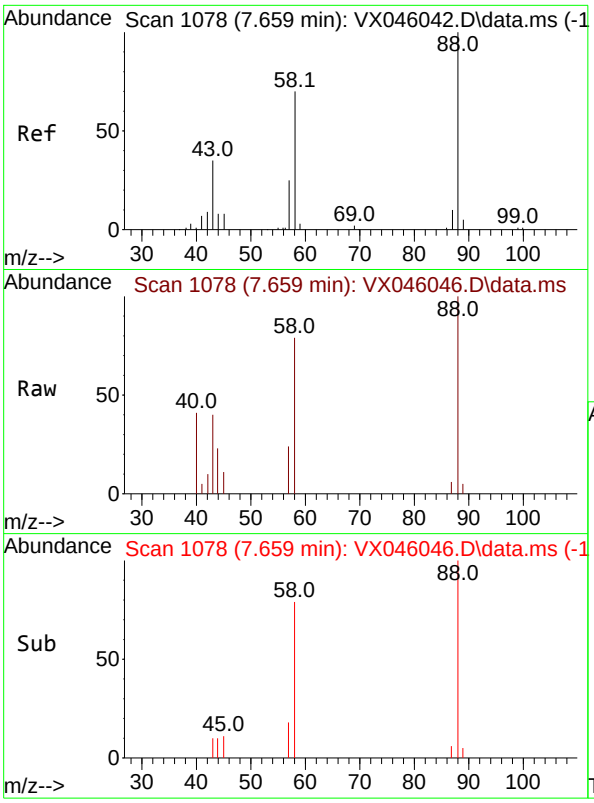


#48
Methyl methacrylate
Concen: 3.321 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 41 Resp: 7171

Ion	Ratio	Lower	Upper
41	100		
69	68.4	58.5	87.7
39	65.1	51.7	77.5



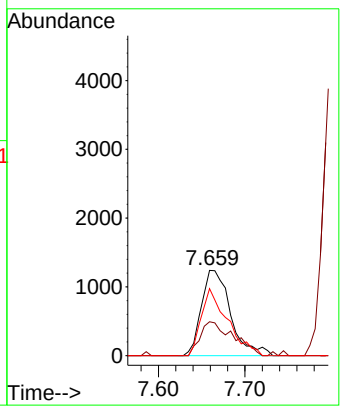


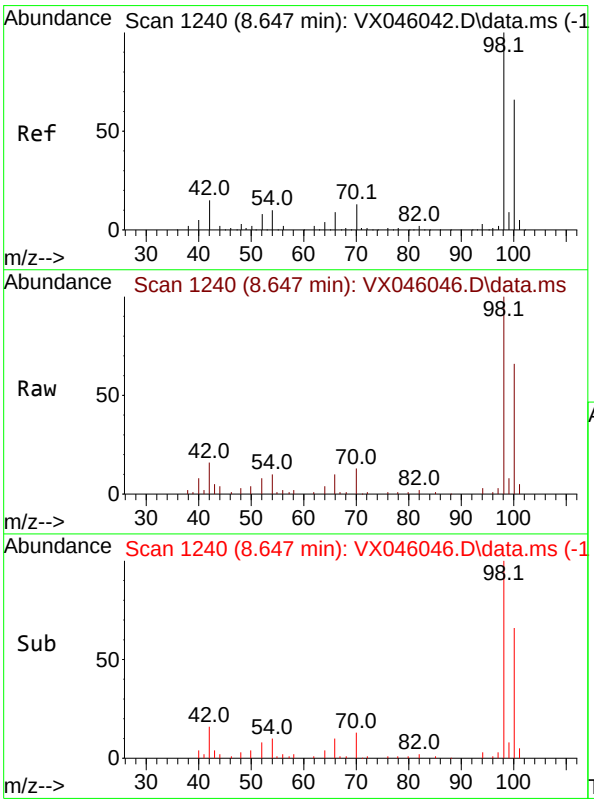
#49
1,4-Dioxane
Concen: 67.721 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 2907

Ion	Ratio	Lower	Upper
88	100		
43	45.3	33.4	50.2
58	71.0	58.6	88.0

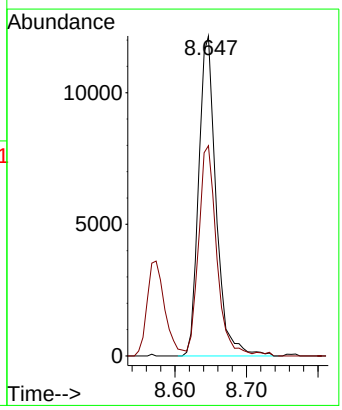


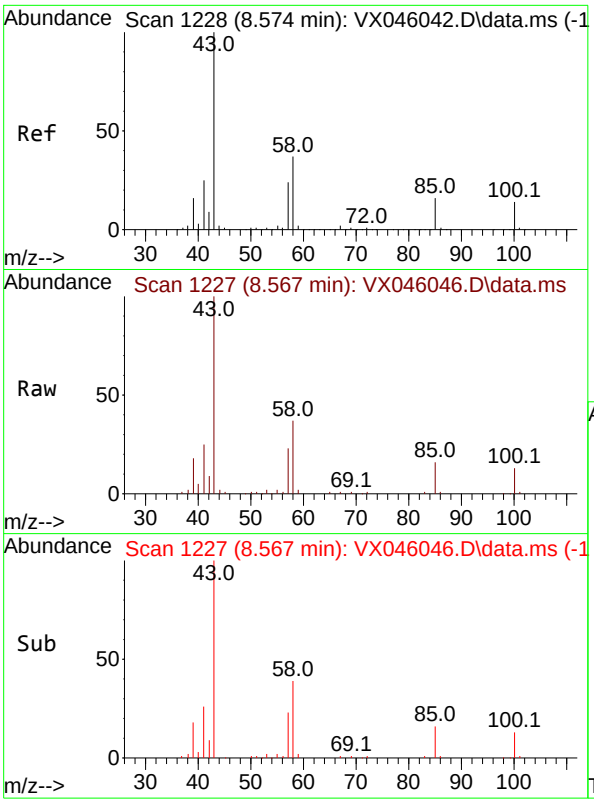


#50
Toluene-d8
Concen: 3.232 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 98 Resp: 20566

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.5	80.3



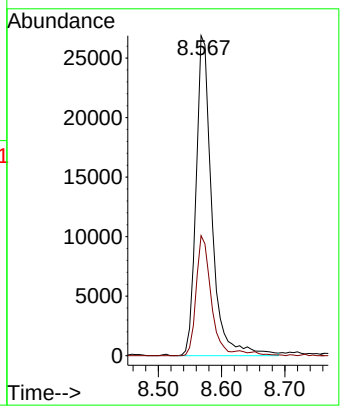


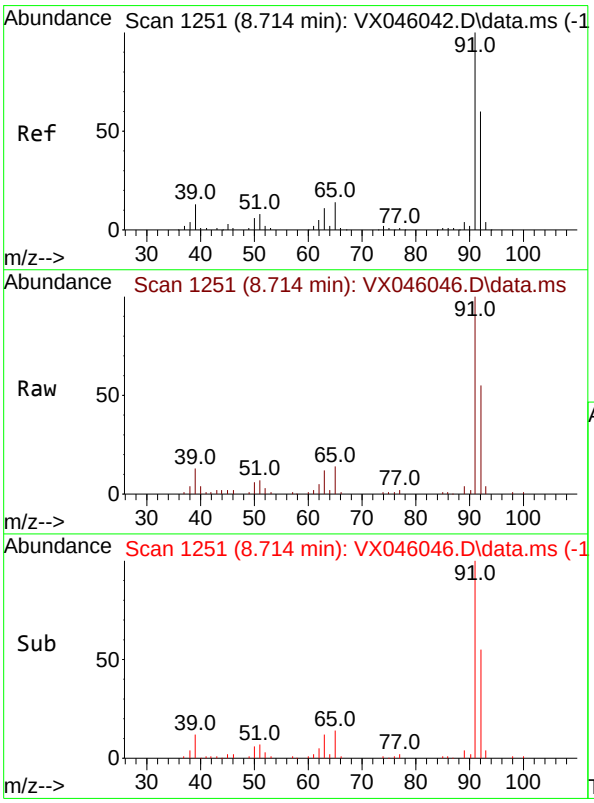
#51
4-Methyl-2-Pentanone
Concen: 16.967 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 46794

Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.9	43.3

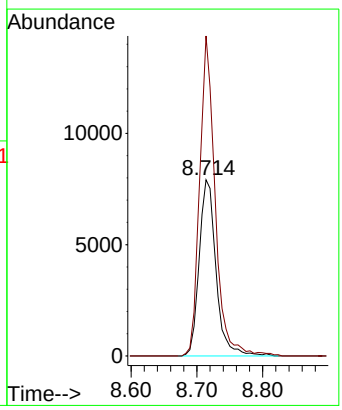


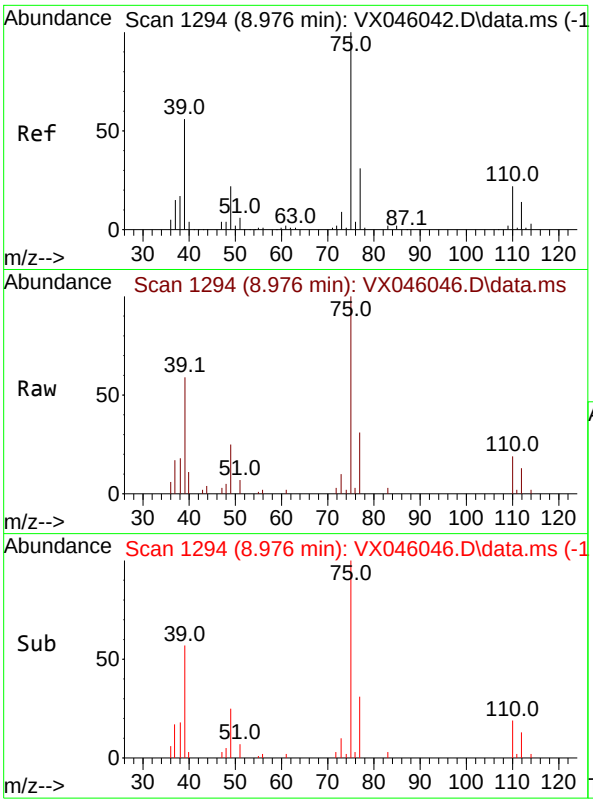


#52
Toluene
Concen: 3.505 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 92 Resp: 14126

Ion	Ratio	Lower	Upper
92	100		
91	167.2	136.6	205.0



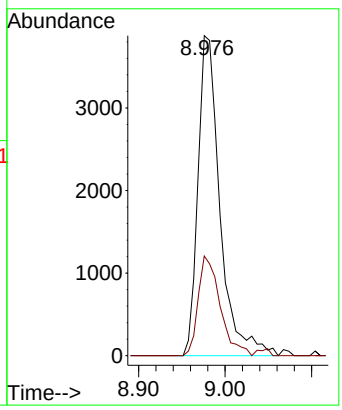


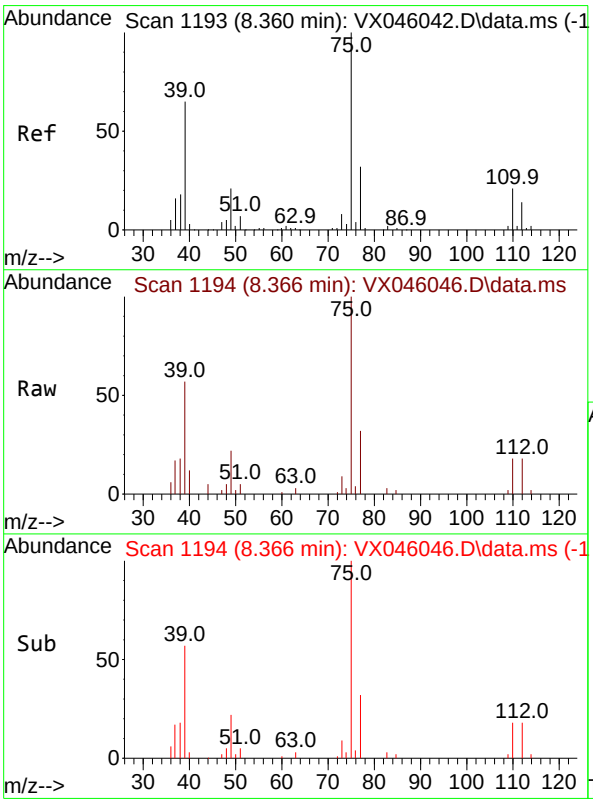
#53
t-1,3-Dichloropropene
Concen: 3.155 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 6834

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.6

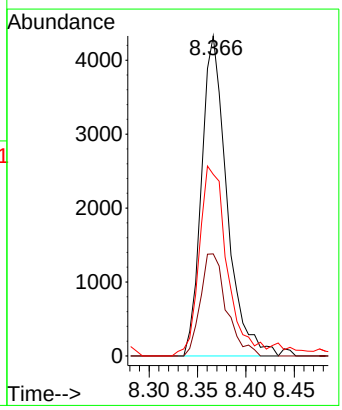


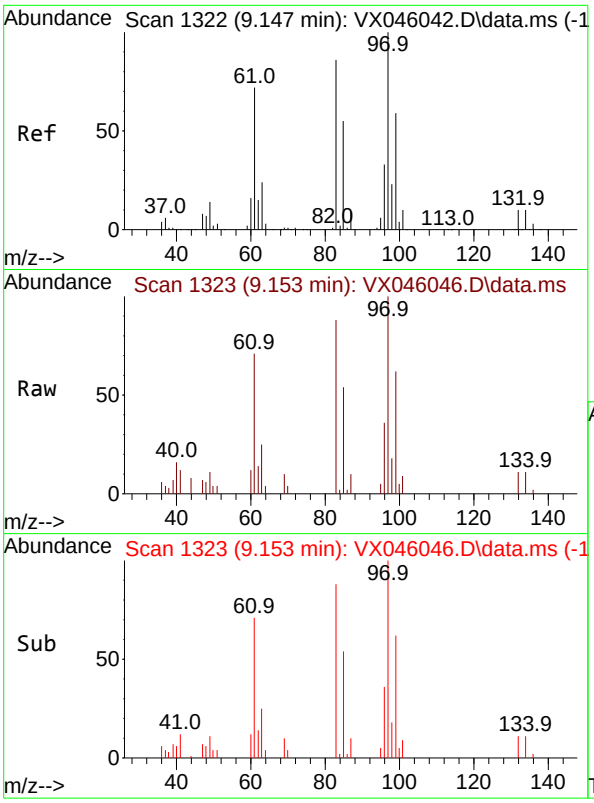


#54
cis-1,3-Dichloropropene
Concen: 3.129 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 7908

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	55.3	52.2	78.4



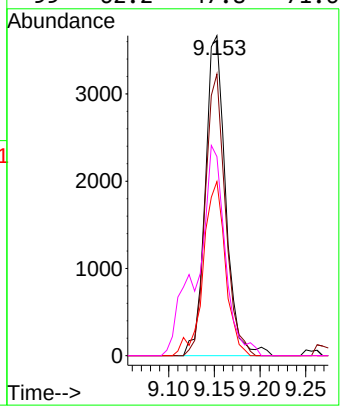


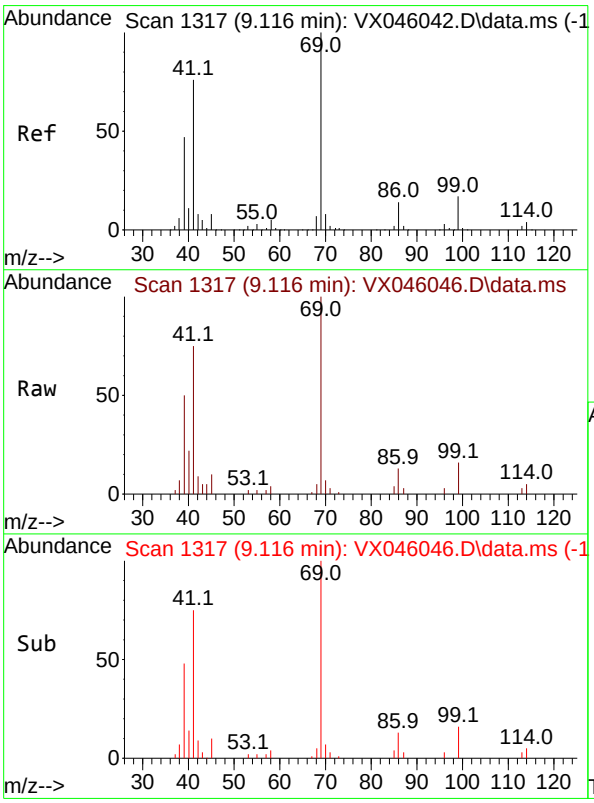
#55
1,1,2-Trichloroethane
Concen: 3.490 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 5685

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.0	103.6
85	54.4	44.3	66.5
99	62.2	47.8	71.6

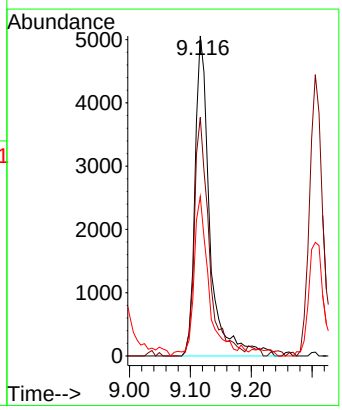


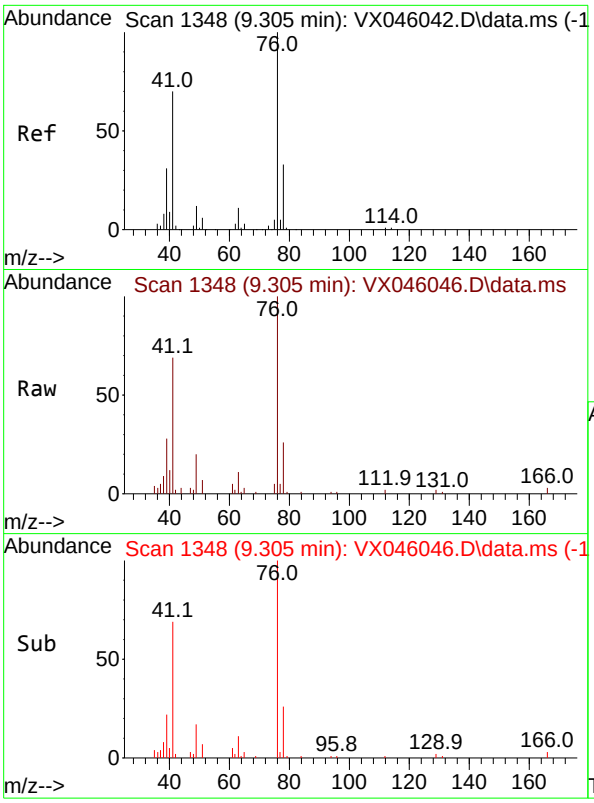


#56
Ethyl methacrylate
Concen: 3.390 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 69 Resp: 8555

Ion	Ratio	Lower	Upper
69	100		
41	73.7	60.8	91.2
39	49.3	39.0	58.6



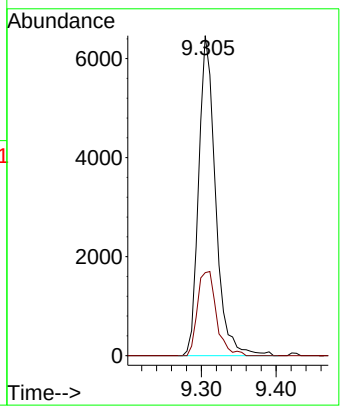


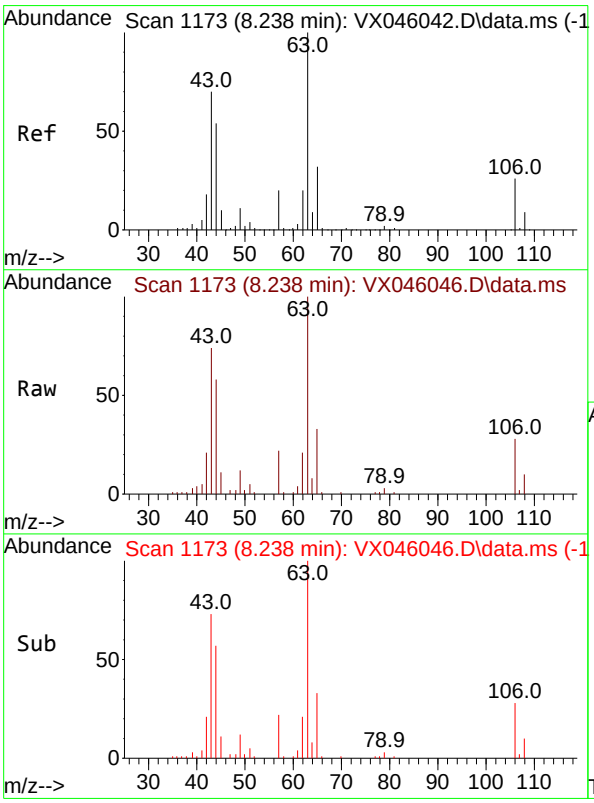
#57
1,3-Dichloropropane
Concen: 3.508 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 10127

Ion	Ratio	Lower	Upper
76	100		
78	29.5	26.3	39.5

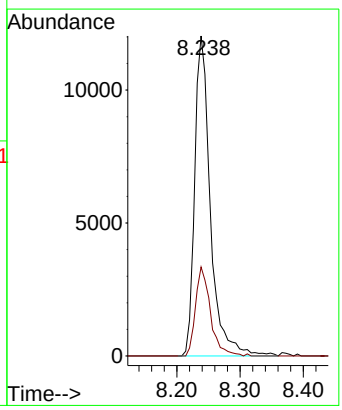


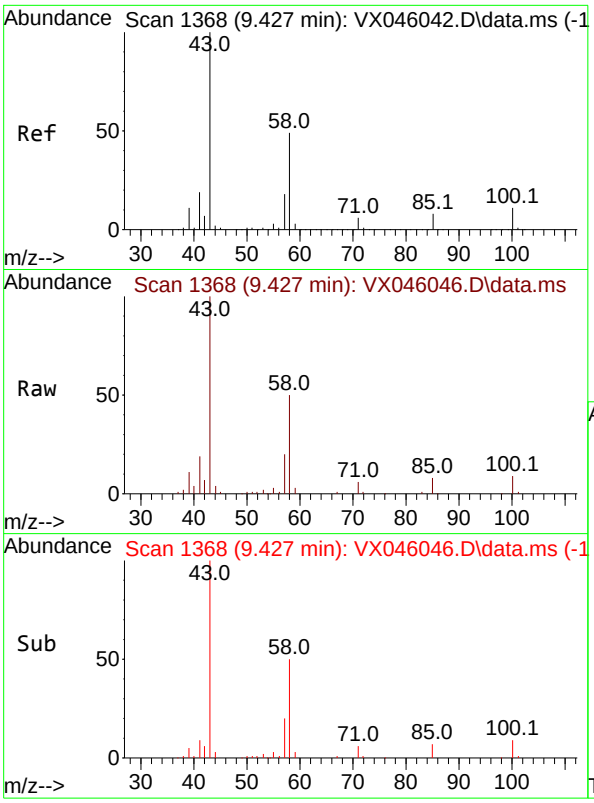


#58
2-Chloroethyl Vinyl ether
Concen: 18.346 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 63 Resp: 20809

Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.5	32.3



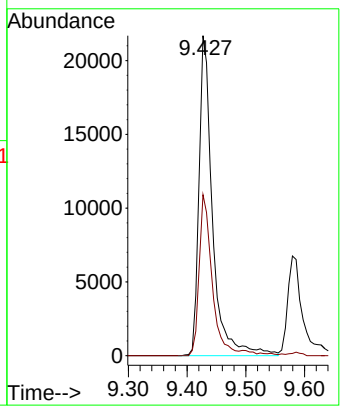


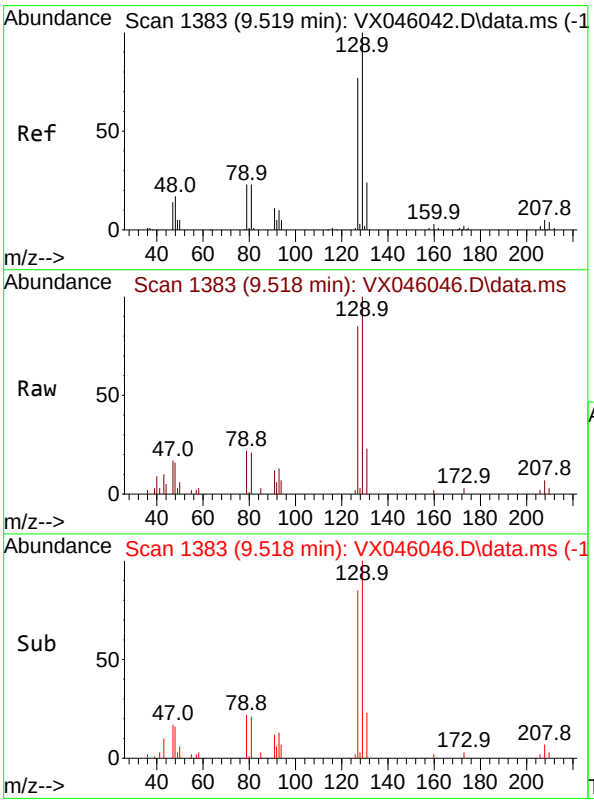
#59
2-Hexanone
Concen: 16.651 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 34853

Ion	Ratio	Lower	Upper
43	100		
58	47.5	24.9	74.6

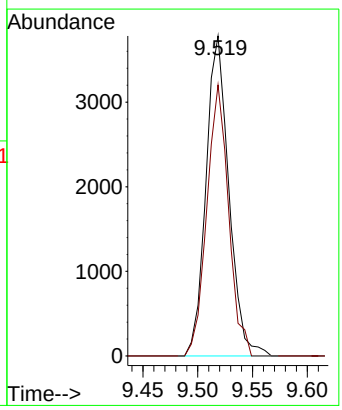


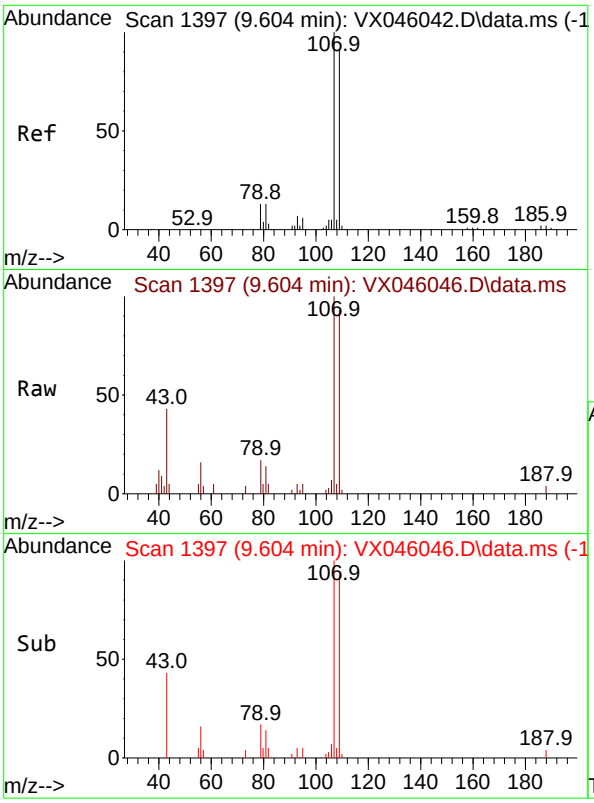


#60
Dibromochloromethane
Concen: 3.102 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:129 Resp: 5500

Ion	Ratio	Lower	Upper
129	100		
127	80.4	39.3	117.8



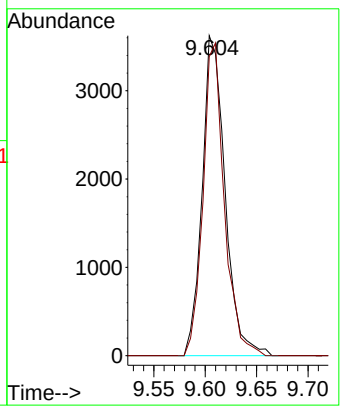


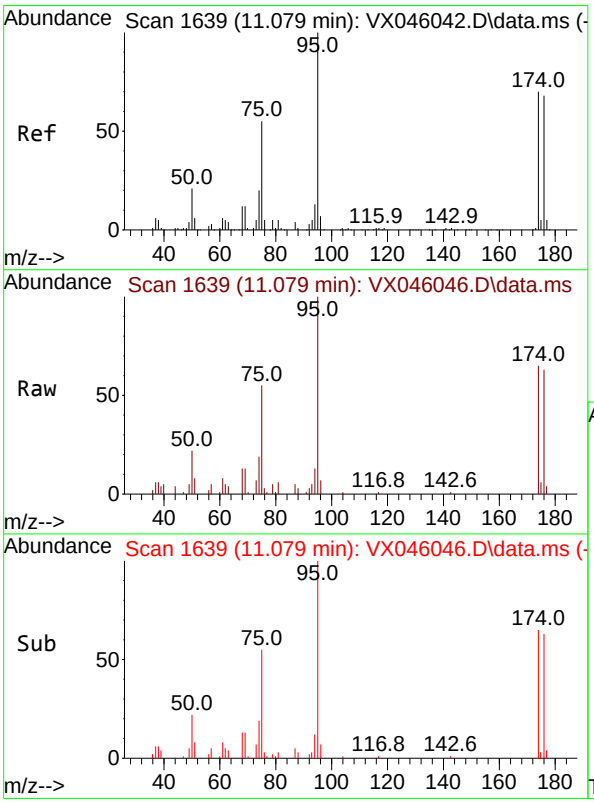
#61
1,2-Dibromoethane
Concen: 3.356 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 5614

Ion	Ratio	Lower	Upper
107	100		
109	91.0	73.3	109.9

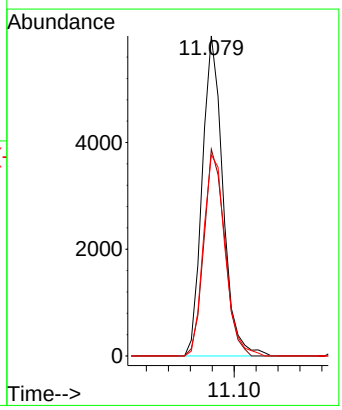


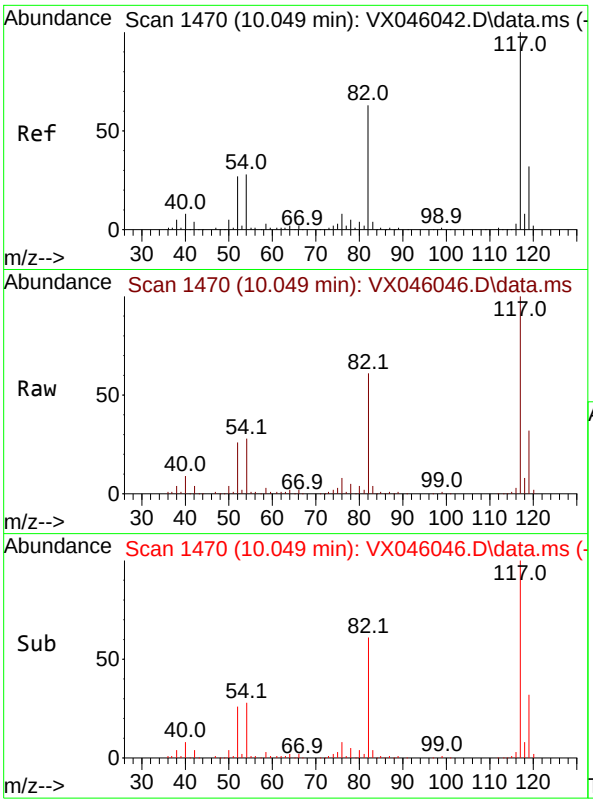


#62
4-Bromofluorobenzene
Concen: 3.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 95 Resp: 7822

Ion	Ratio	Lower	Upper
95	100		
174	65.0	0.0	135.8
176	66.6	0.0	131.4



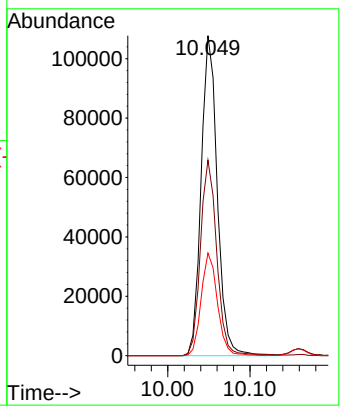


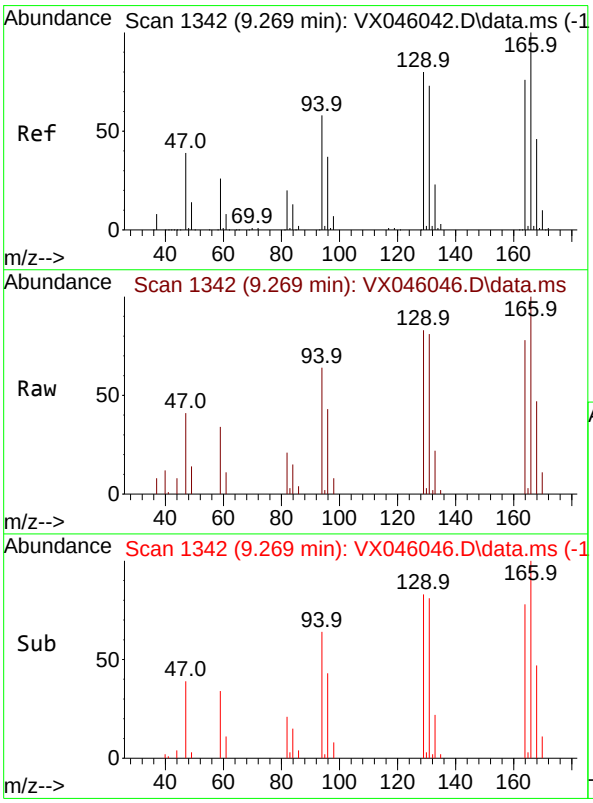
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 147167

Ion	Ratio	Lower	Upper
117	100		
82	61.1	50.6	76.0
119	32.1	25.8	38.6

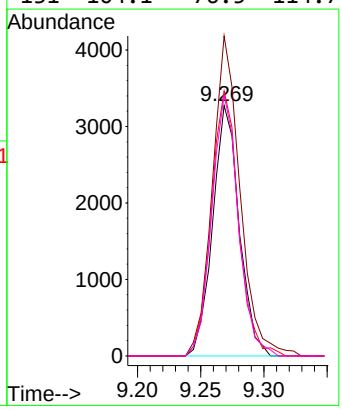


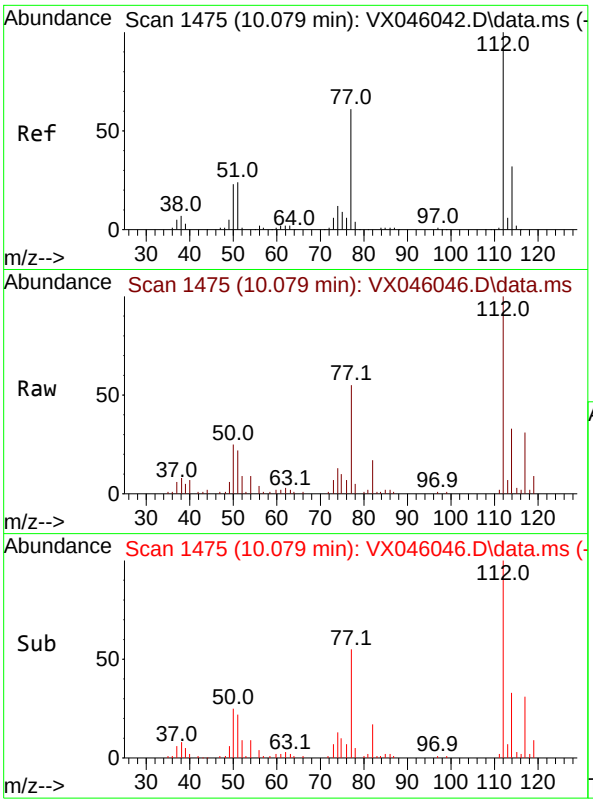


#64
Tetrachloroethene
Concen: 3.162 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:164 Resp: 4752

Ion	Ratio	Lower	Upper
164	100		
166	127.8	105.0	157.6
129	105.8	83.5	125.3
131	104.1	76.5	114.7



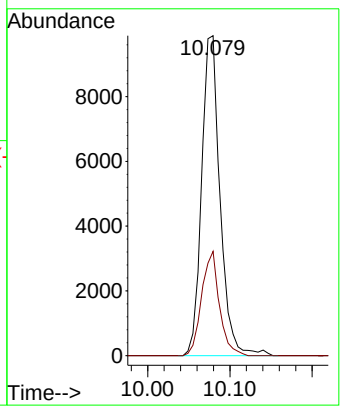


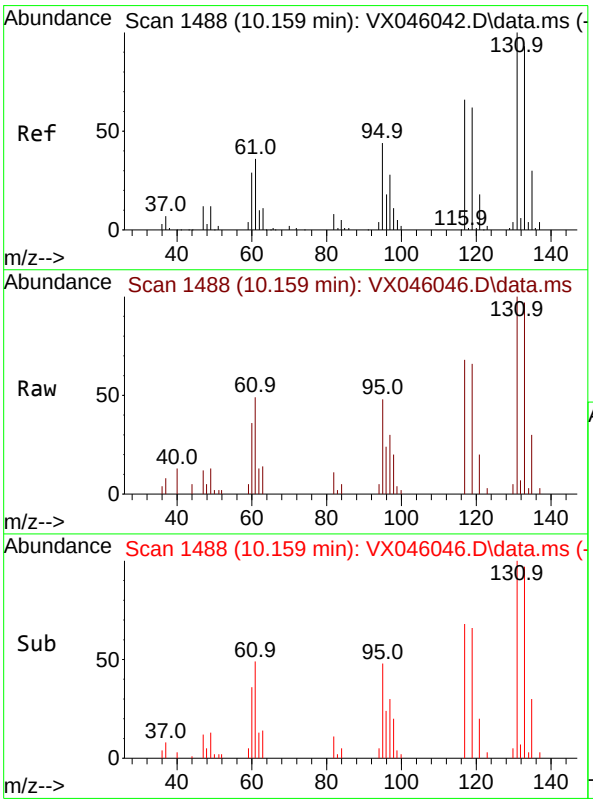
#65
Chlorobenzene
Concen: 3.399 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 15391

Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.4	38.2

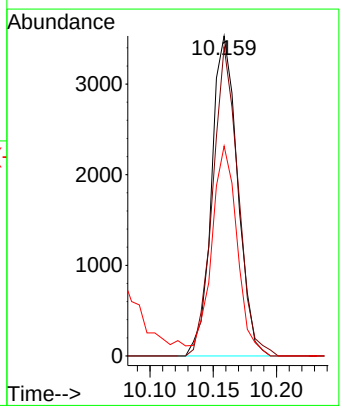


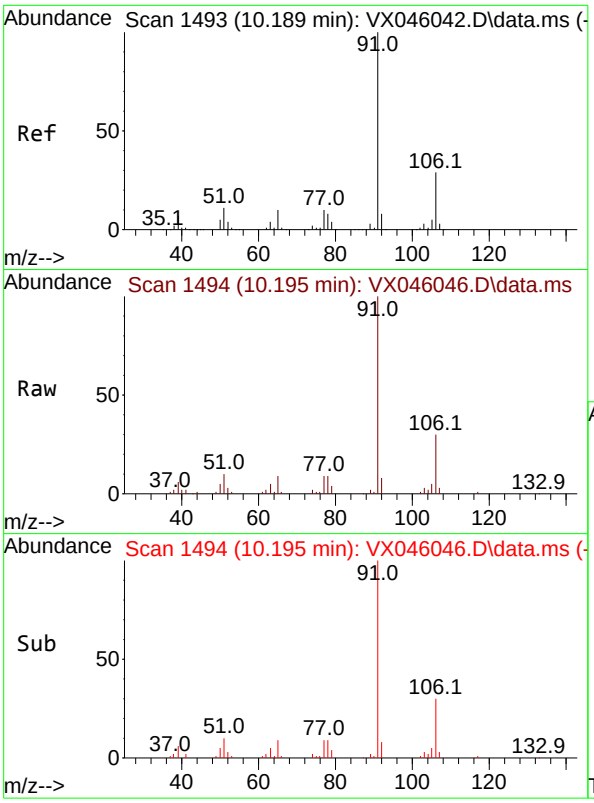


#66
1,1,1,2-Tetrachloroethane
Concen: 3.326 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:131 Resp: 5024

Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	141.9
119	64.8	31.6	95.0



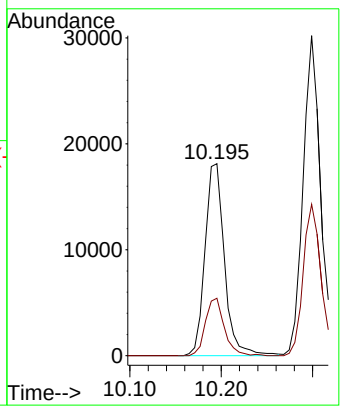


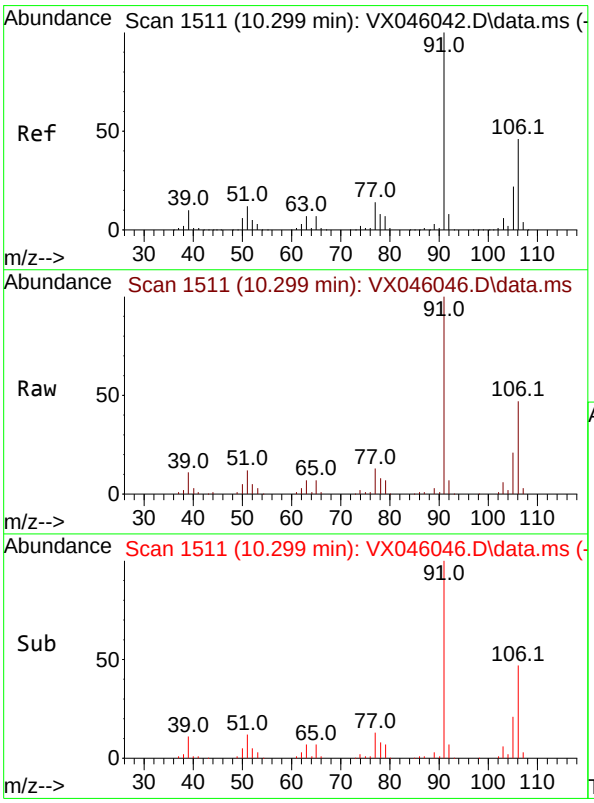
#67
Ethyl Benzene
Concen: 3.463 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 26732

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.4	35.2

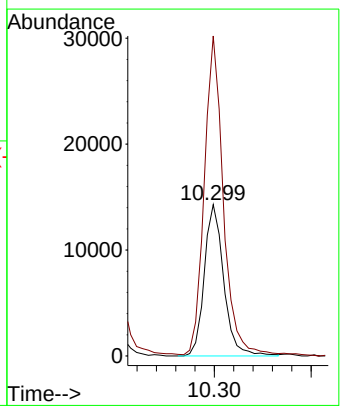


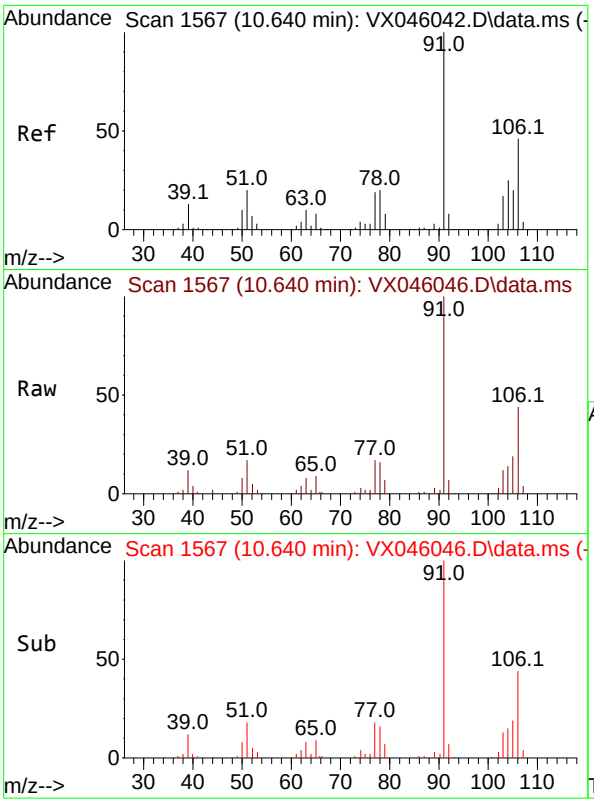


#68
m/p-Xylenes
Concen: 7.156 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:106 Resp: 19957

Ion	Ratio	Lower	Upper
106	100		
91	210.1	171.2	256.8



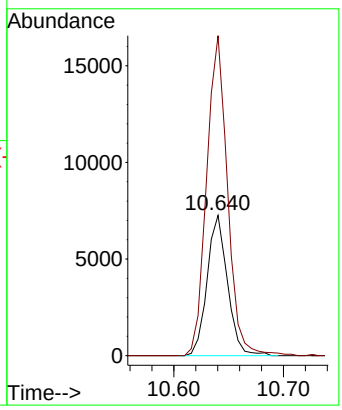


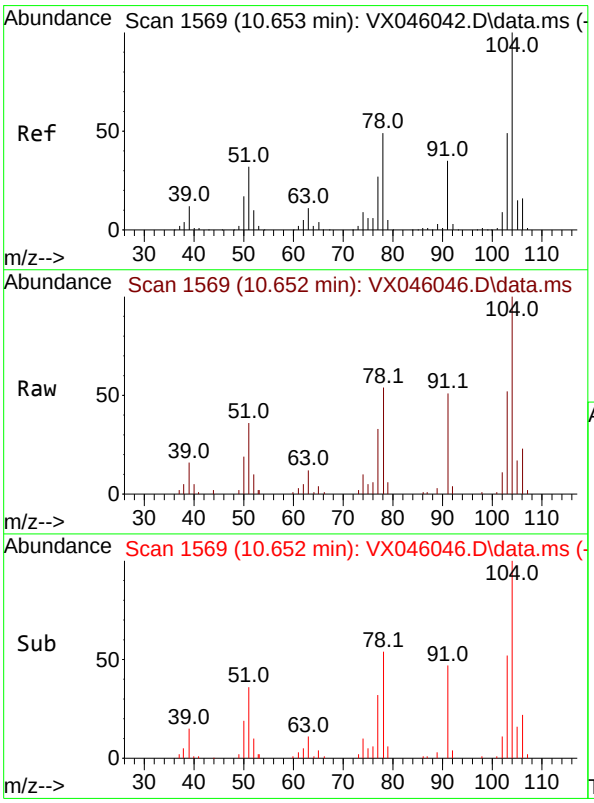
#69
o-Xylene
Concen: 3.343 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 9398

Ion	Ratio	Lower	Upper
106	100		
91	233.6	112.7	338.1

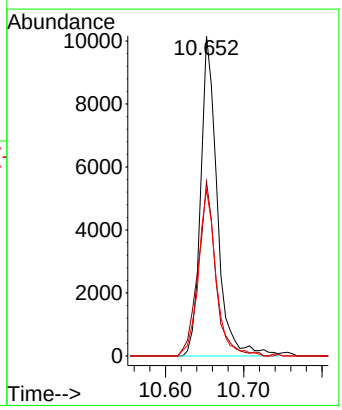


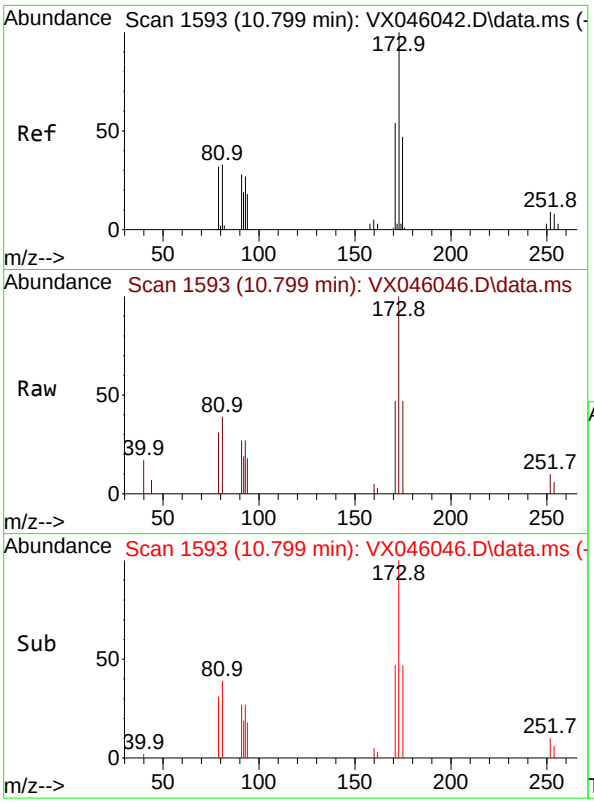


#70
Styrene
Concen: 3.312 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:104 Resp: 14900

Ion	Ratio	Lower	Upper
104	100		
78	57.9	45.7	68.5
103	55.6	43.7	65.5



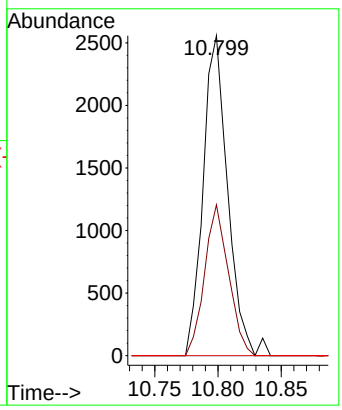


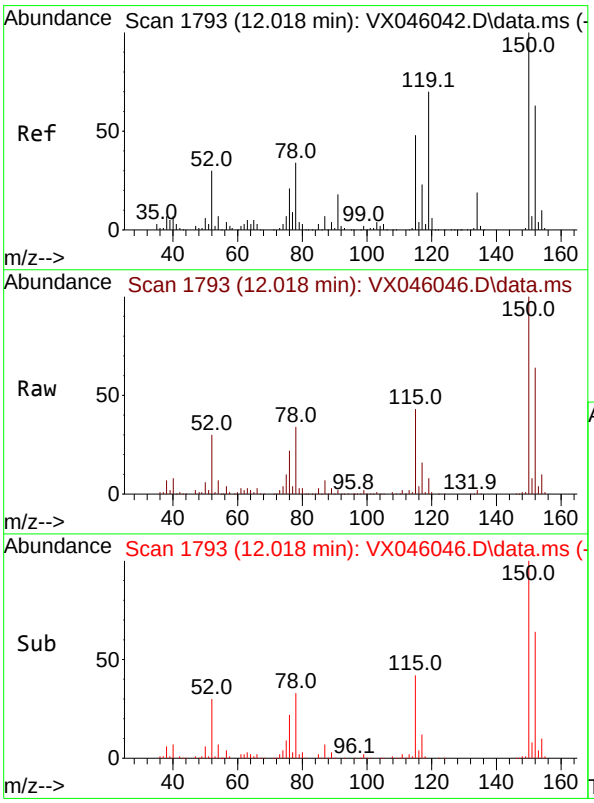
#71
Bromoform
Concen: 3.059 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 3470

Ion	Ratio	Lower	Upper
173	100		
175	45.8	23.4	70.0
254	0.0	0.0	0.0

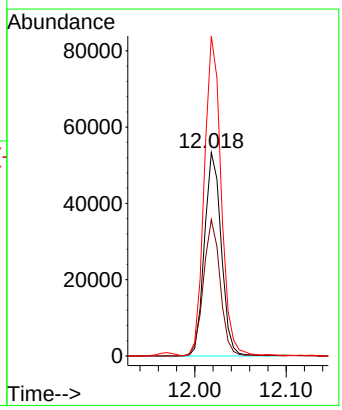


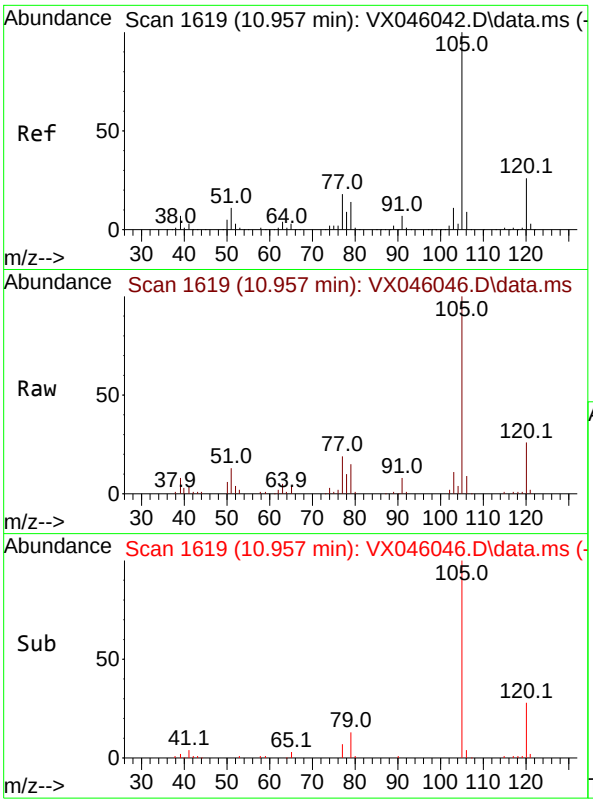


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:152 Resp: 67939

Ion	Ratio	Lower	Upper
152	100		
115	66.8	46.9	140.7
150	157.5	0.0	351.0



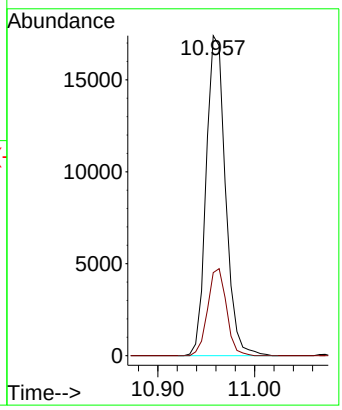


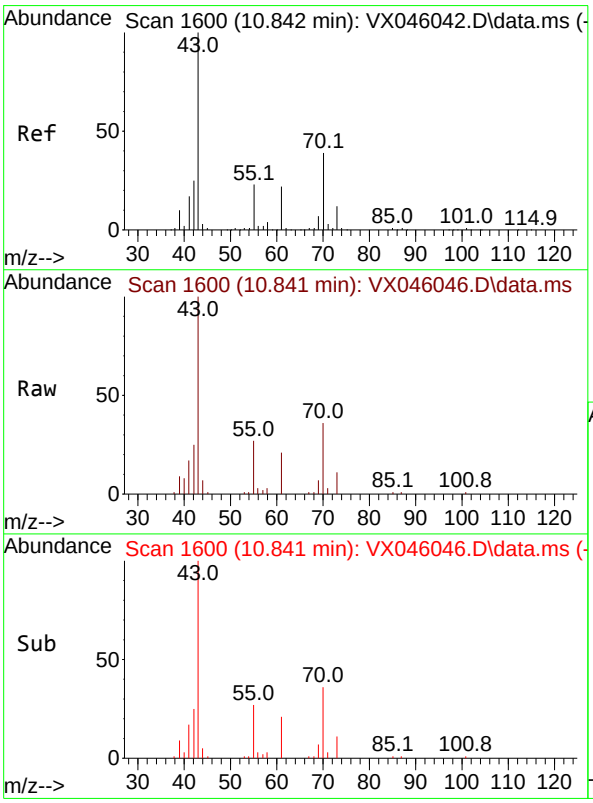
#73
Isopropylbenzene
Concen: 3.266 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 24201

Ion	Ratio	Lower	Upper
105	100		
120	26.4	12.8	38.4

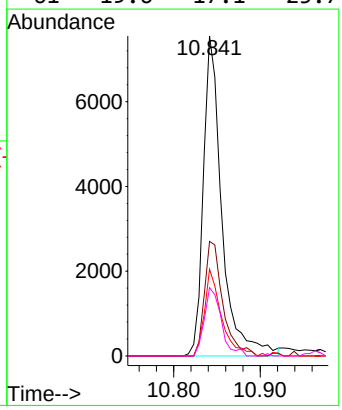


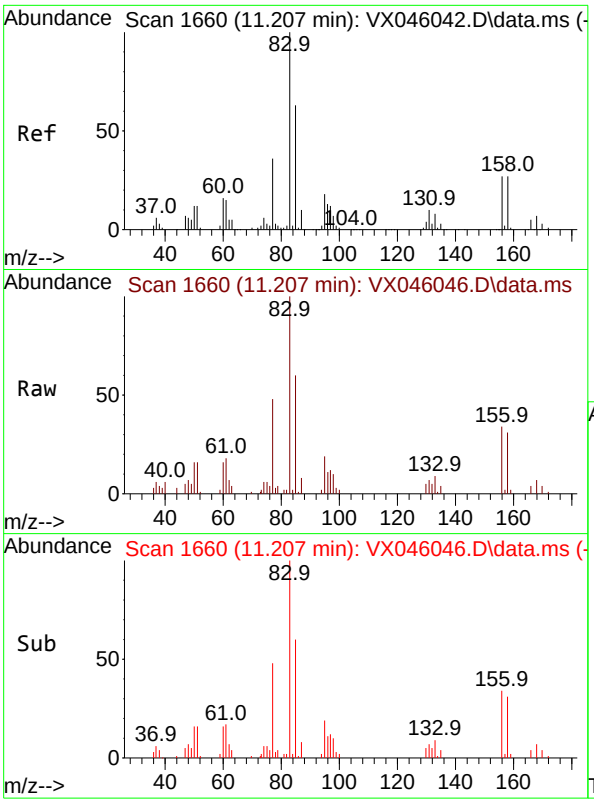


#74
N-amyl acetate
Concen: 3.038 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 43 Resp: 11224

Ion	Ratio	Lower	Upper
43	100		
70	35.4	30.9	46.3
55	25.0	18.7	28.1
61	19.6	17.1	25.7



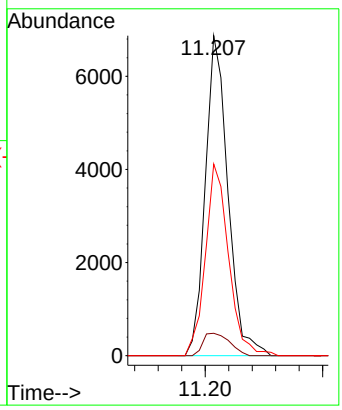


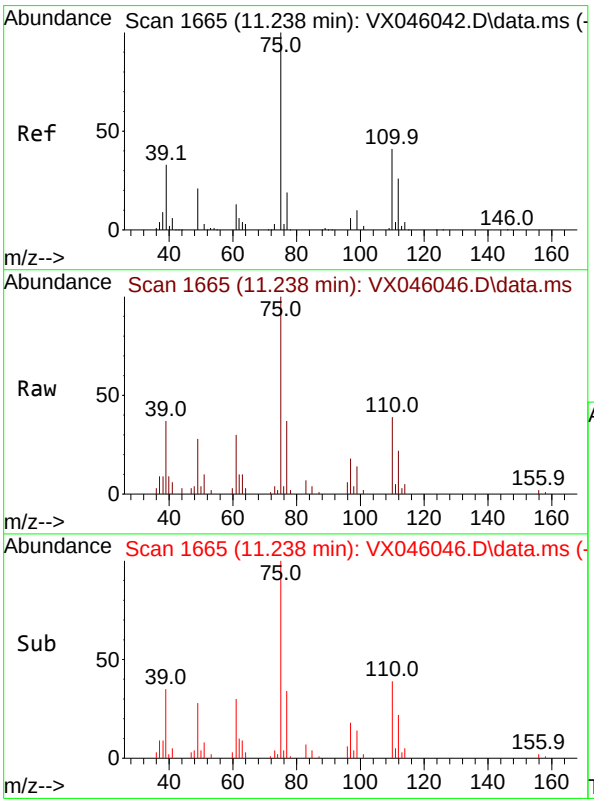
#75
1,1,2,2-Tetrachloroethane
Concen: 3.479 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 9170

Ion	Ratio	Lower	Upper
83	100		
131	8.3	5.0	14.9
85	61.7	31.9	95.7

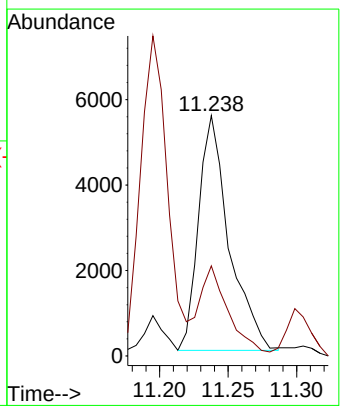


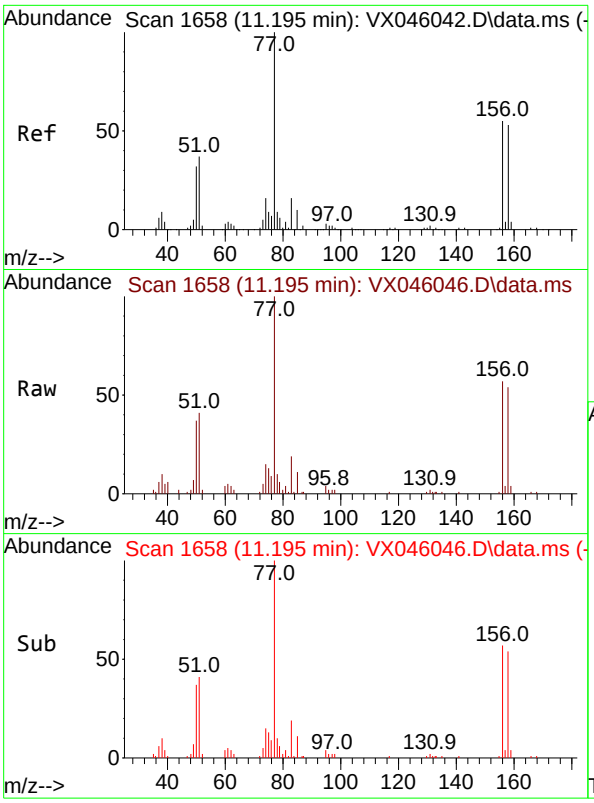


#76
1,2,3-Trichloropropane
Concen: 3.018 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 8548

Ion	Ratio	Lower	Upper
75	100		
77	37.7	20.5	61.5



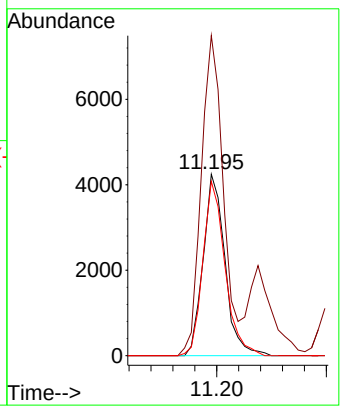


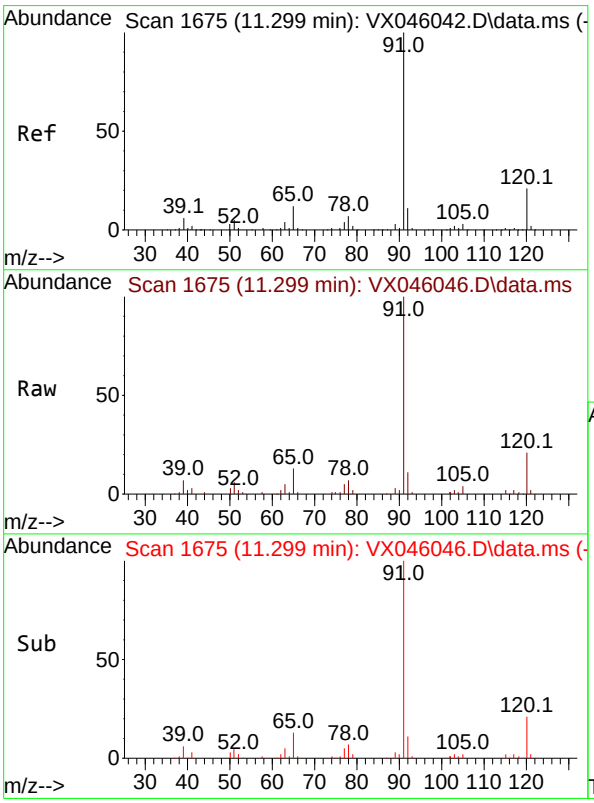
#77
Bromobenzene
Concen: 3.417 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 5857

Ion	Ratio	Lower	Upper
156	100		
77	177.0	92.8	278.3
158	97.7	48.8	146.3

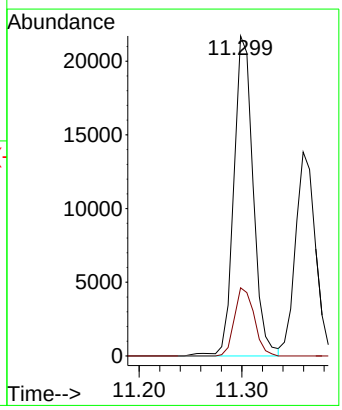


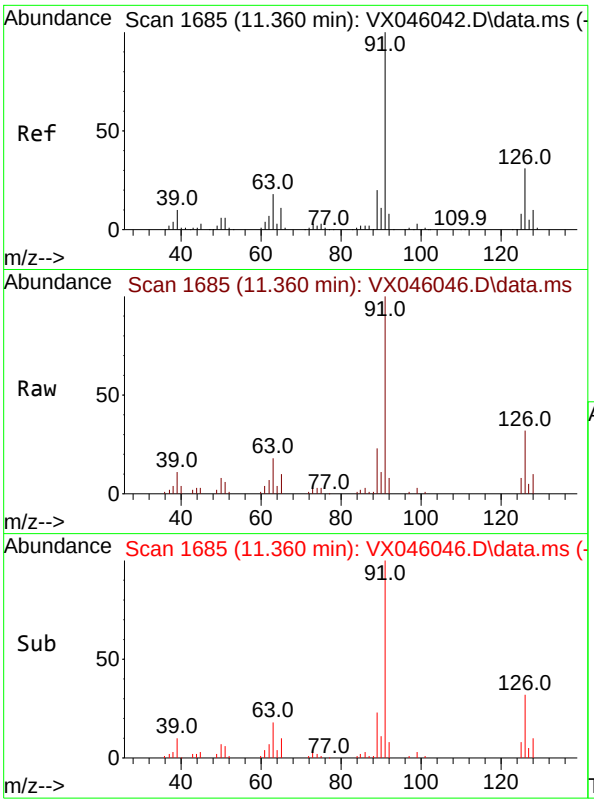


#78
n-propylbenzene
Concen: 3.424 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 28436

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4



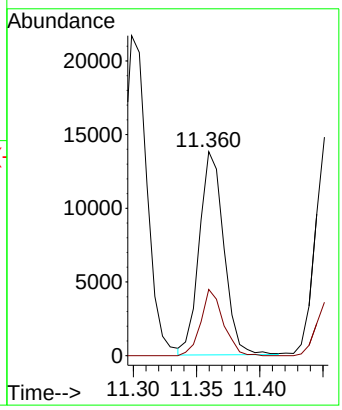


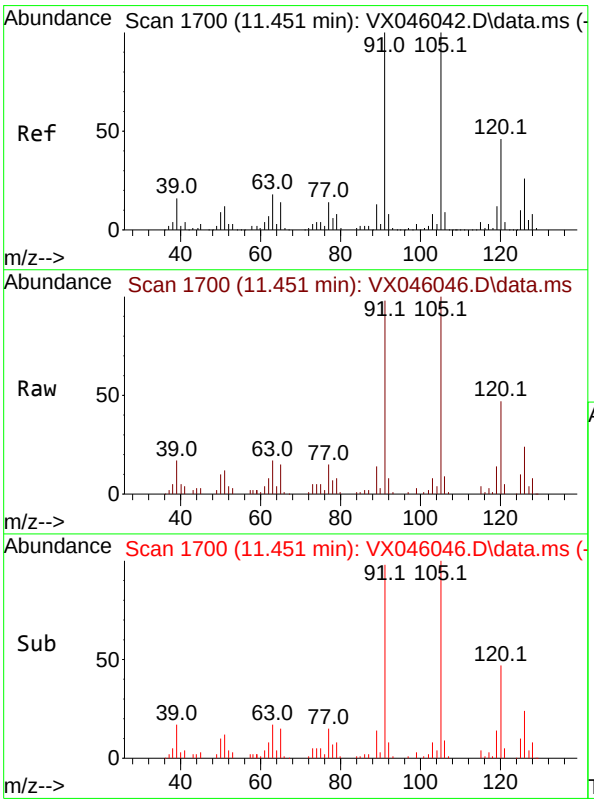
#79
2-Chlorotoluene
Concen: 3.336 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 18672

Ion	Ratio	Lower	Upper
91	100		
126	29.7	15.6	46.7

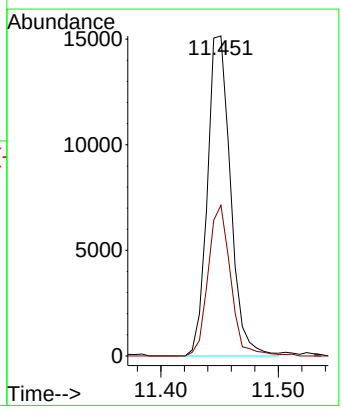


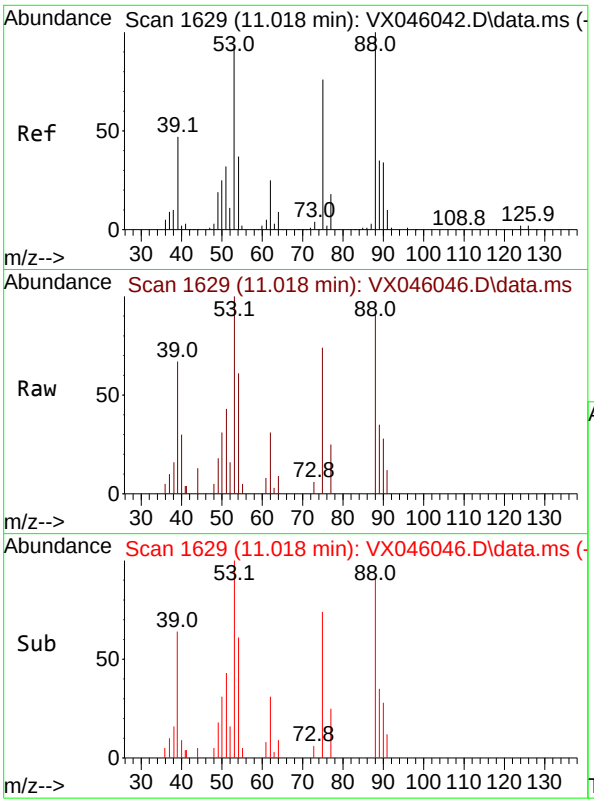


#80
1,3,5-Trimethylbenzene
Concen: 3.372 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 20742

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.1	69.2



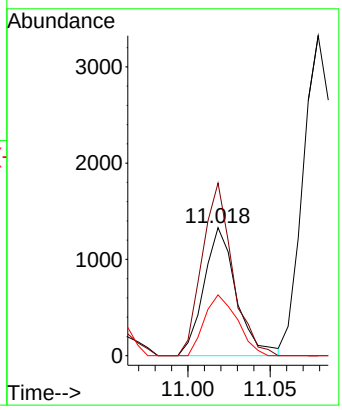


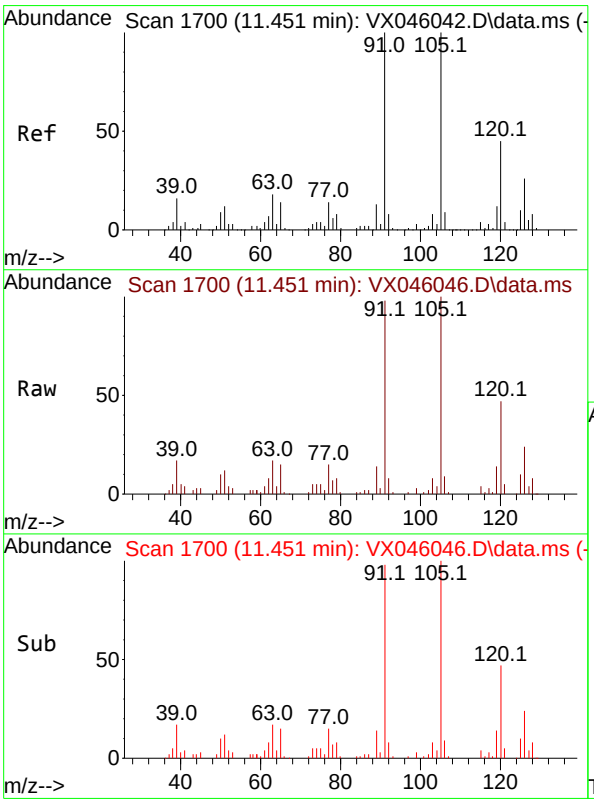
#81
trans-1,4-Dichloro-2-butene
Concen: 2.686 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 1828

Ion	Ratio	Lower	Upper
75	100		
53	125.8	100.5	150.7
89	47.9	37.0	55.6

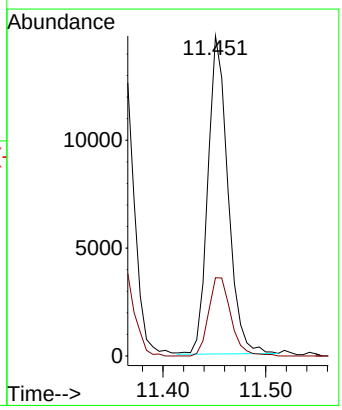


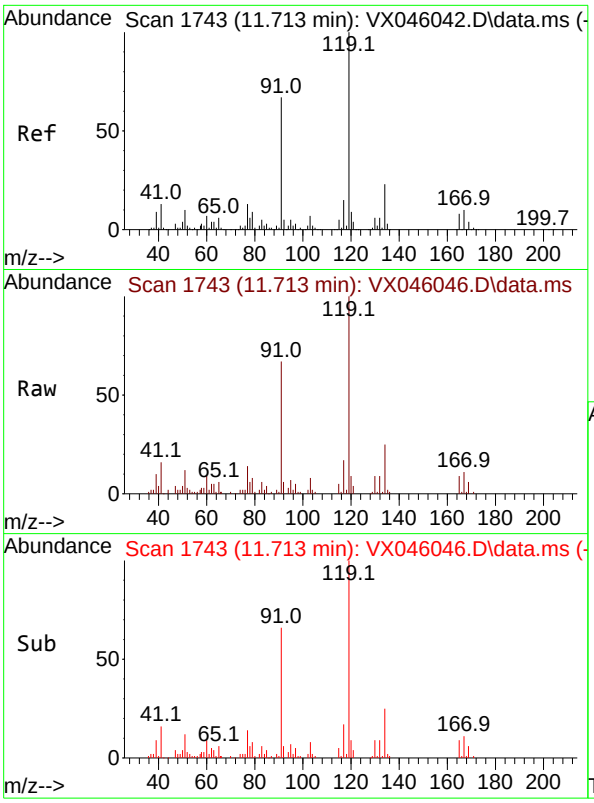


#82
4-Chlorotoluene
Concen: 3.245 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 91 Resp: 19966

Ion	Ratio	Lower	Upper
91	100		
126	27.3	13.3	39.8



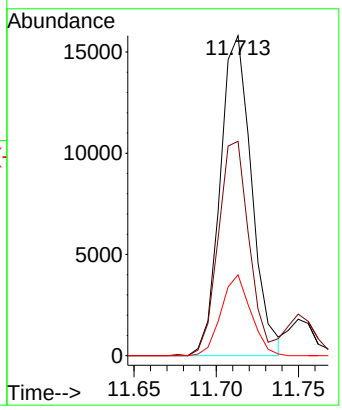


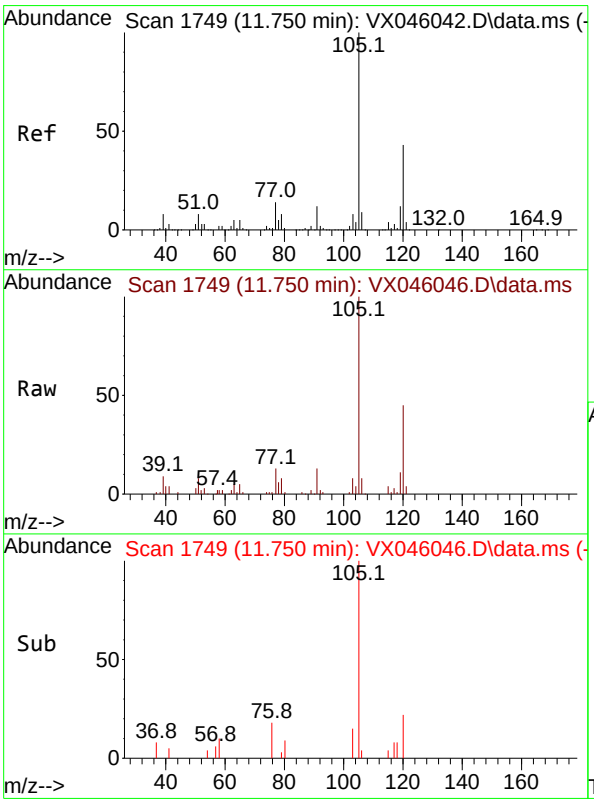
#83
tert-Butylbenzene
Concen: 3.484 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 21049

Ion	Ratio	Lower	Upper
119	100		
91	67.0	32.9	98.7
134	23.8	11.4	34.1

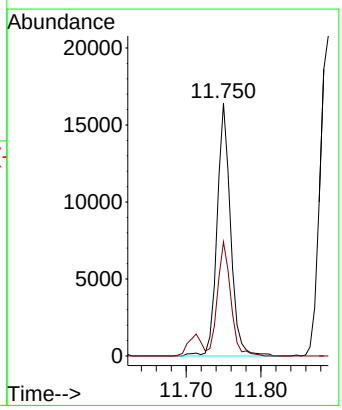


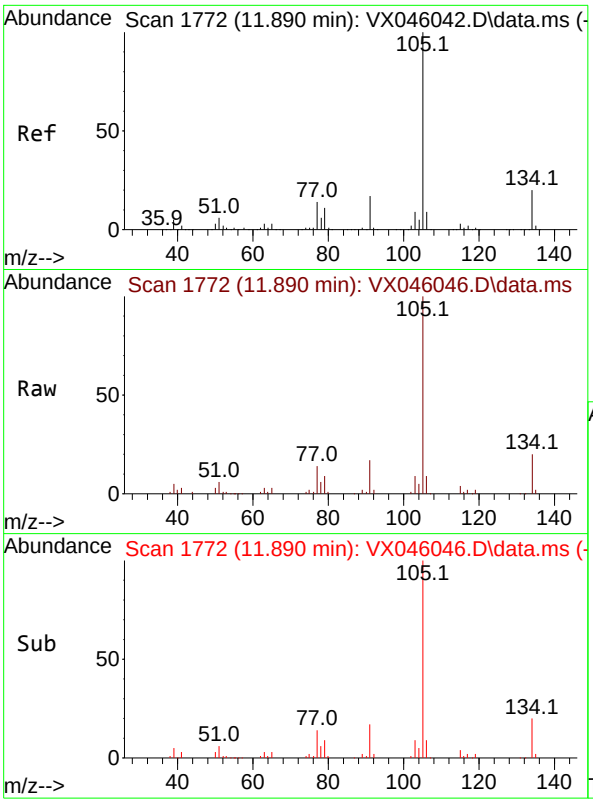


#84
1,2,4-Trimethylbenzene
Concen: 3.355 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:105 Resp: 20613

Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.2	63.6



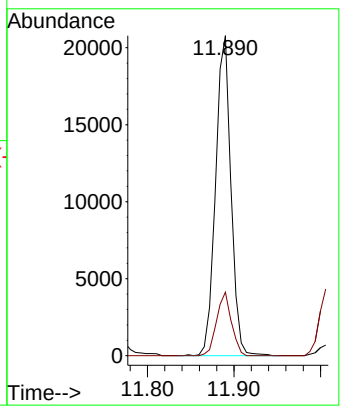


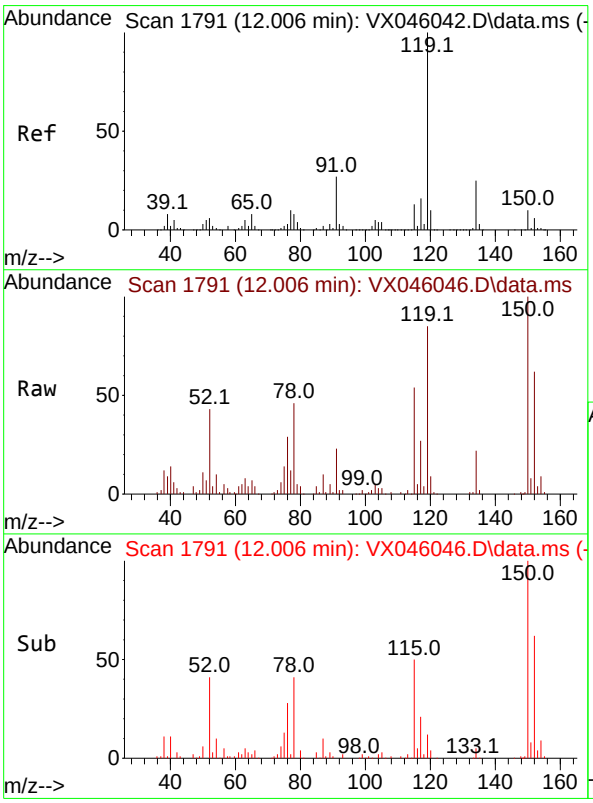
#85
sec-Butylbenzene
Concen: 3.412 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 25590

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

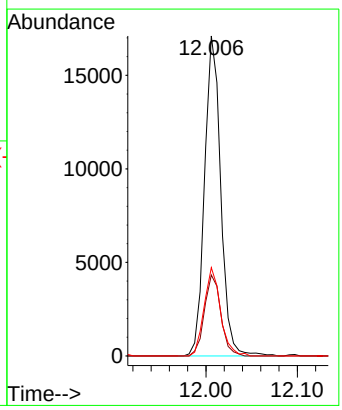


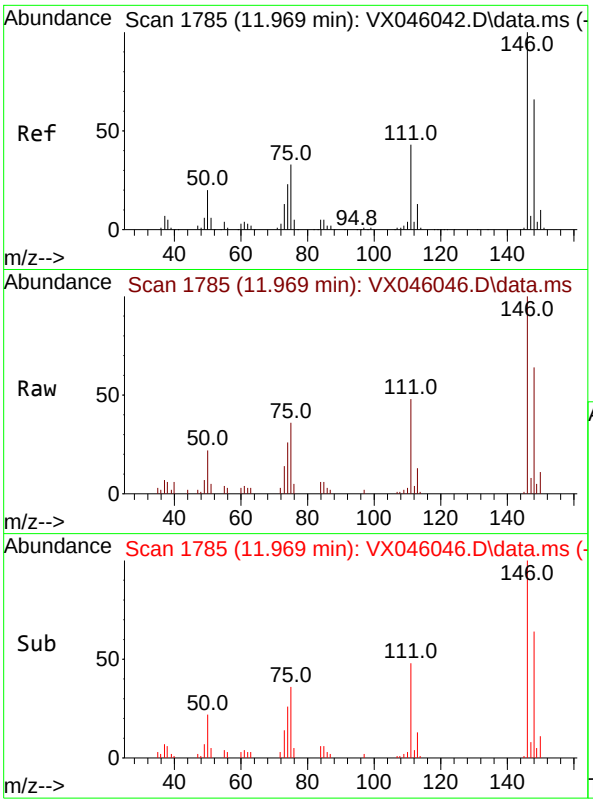


#86
p-Isopropyltoluene
Concen: 3.460 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:119 Resp: 20955

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.5	37.5
91	28.0	13.8	41.4



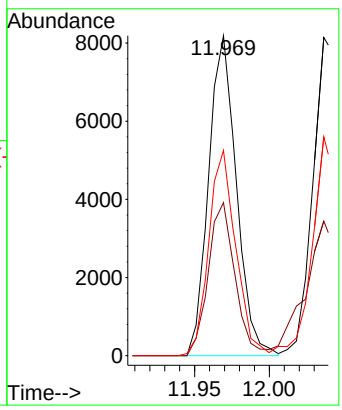


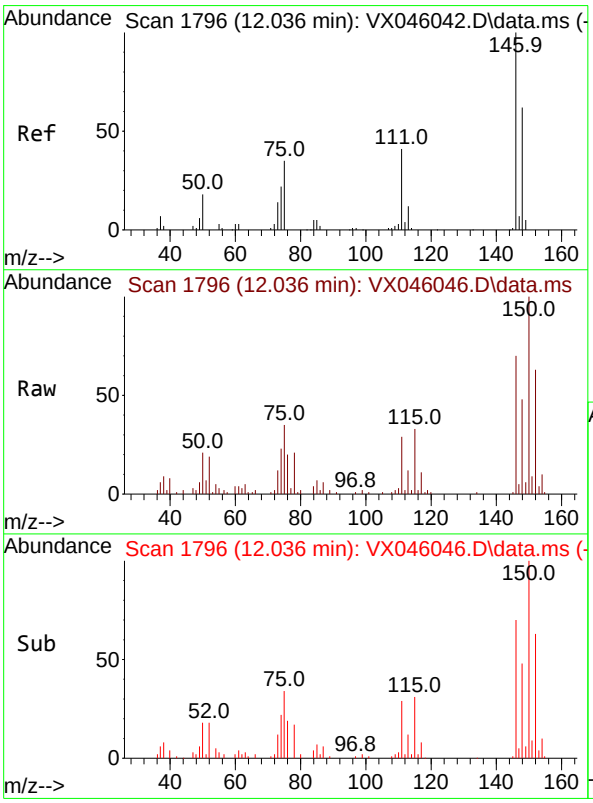
#87
1,3-Dichlorobenzene
Concen: 3.315 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 10585

Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.1	66.3
148	62.4	32.1	96.5

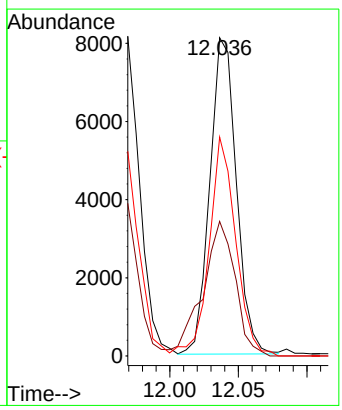


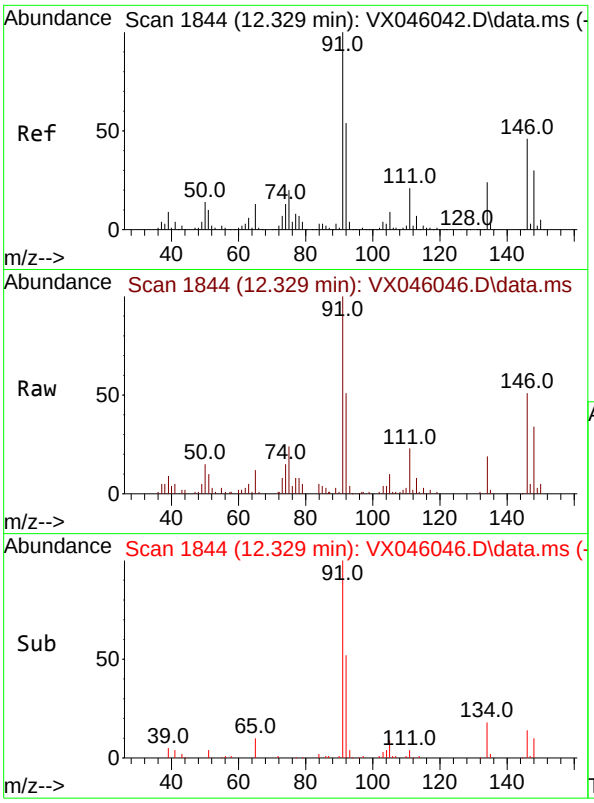


#88
1,4-Dichlorobenzene
Concen: 3.486 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:146 Resp: 10908

Ion	Ratio	Lower	Upper
146	100		
111	52.1	21.3	63.9
148	69.4	31.9	95.5



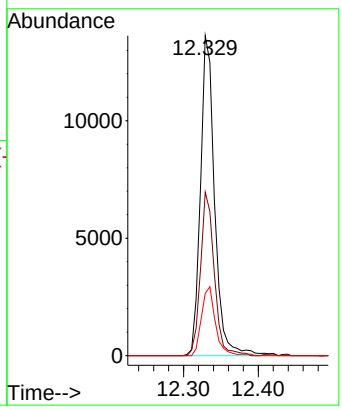


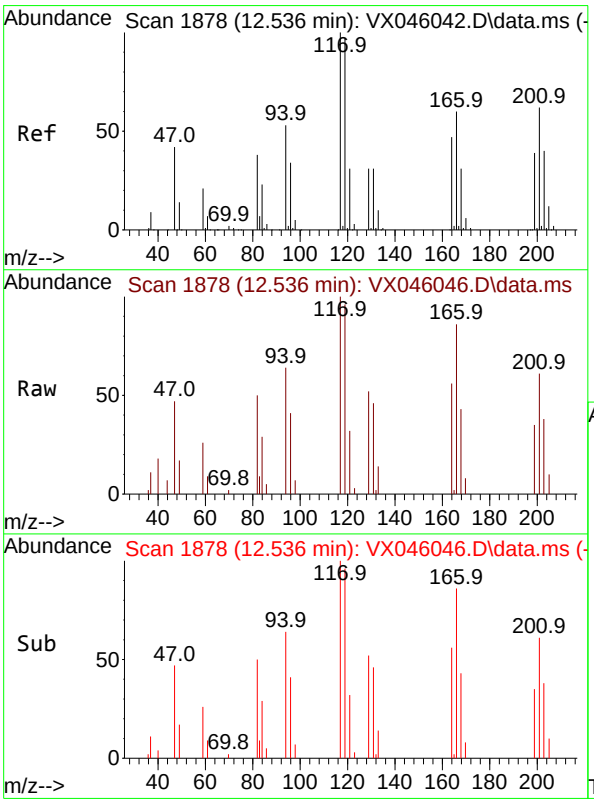
#89
n-Butylbenzene
Concen: 3.419 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 18004

Ion	Ratio	Lower	Upper
91	100		
92	49.5	26.9	80.7
134	21.2	11.8	35.3

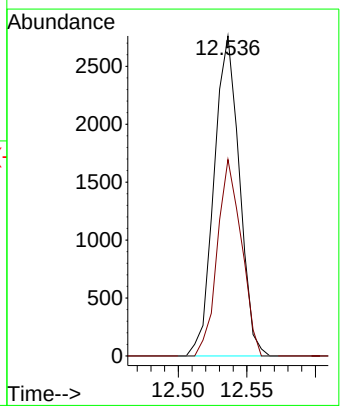


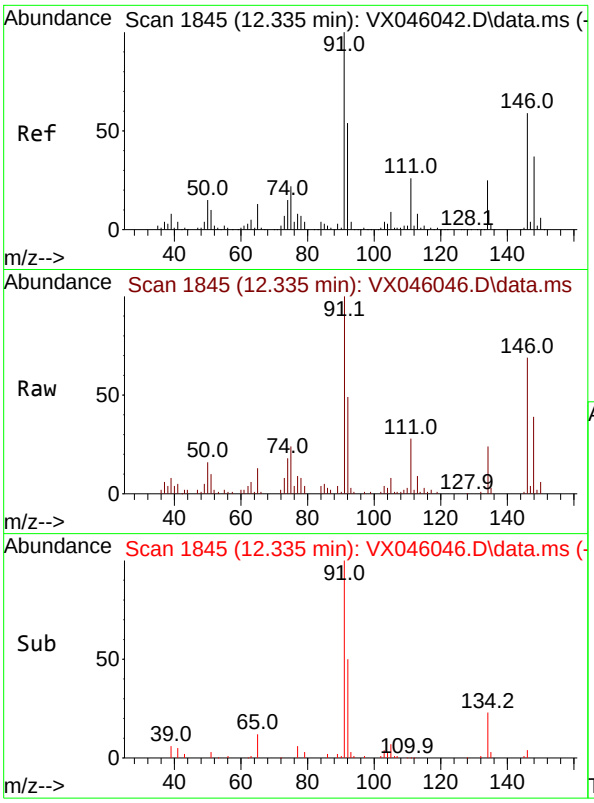


#90
Hexachloroethane
Concen: 3.153 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:117 Resp: 3553

Ion	Ratio	Lower	Upper
117	100		
201	58.5	31.6	94.7



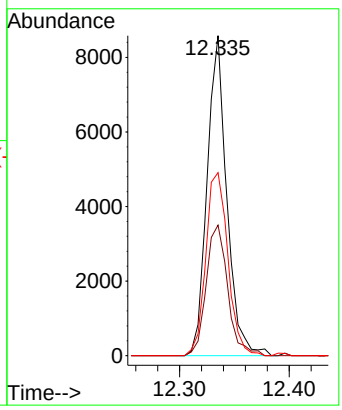


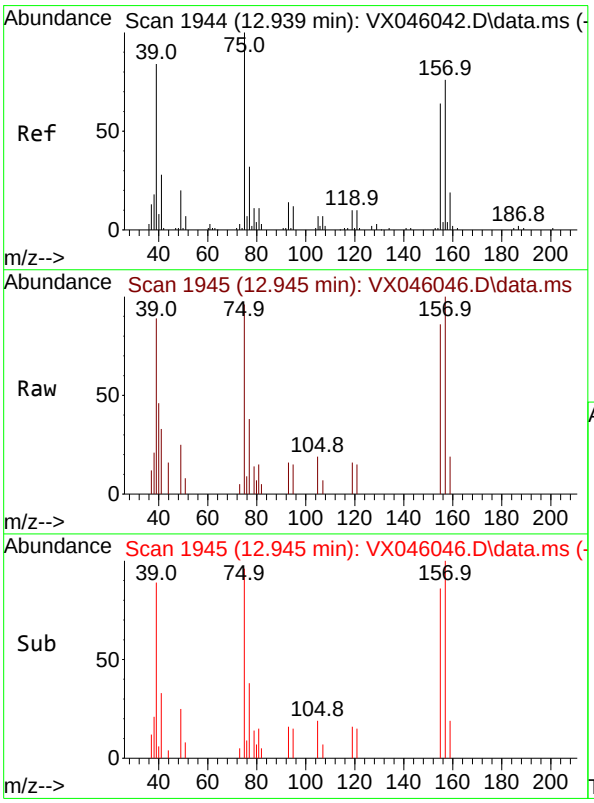
#91
1,2-Dichlorobenzene
Concen: 3.444 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 10712

Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.3
148	64.2	31.6	94.8

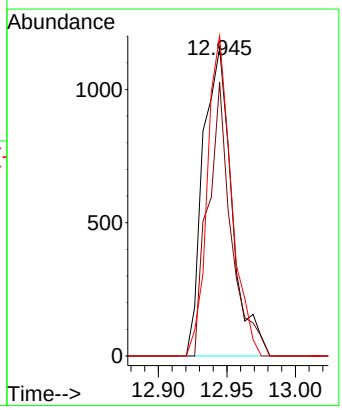


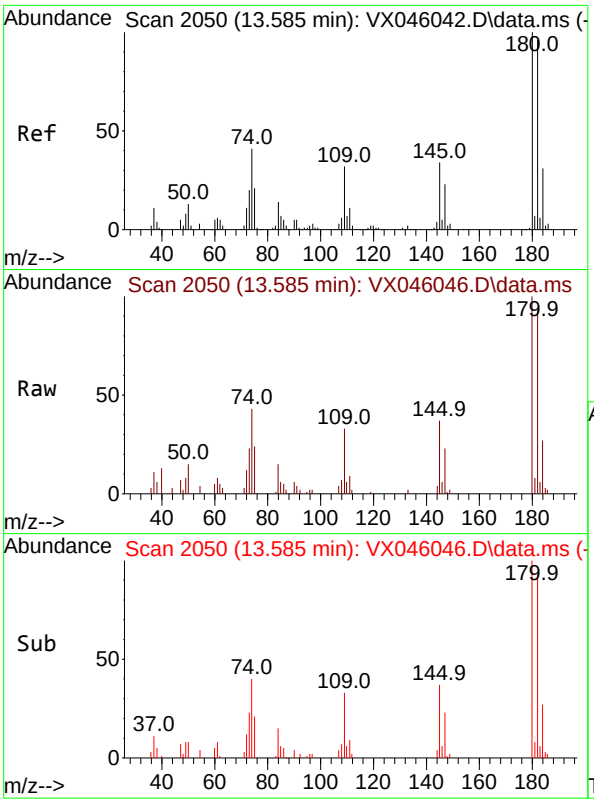


#92
1,2-Dibromo-3-Chloropropane
Concen: 2.812 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion: 75 Resp: 1687

Ion	Ratio	Lower	Upper
75	100		
155	71.7	34.9	104.8
157	87.0	43.8	131.4



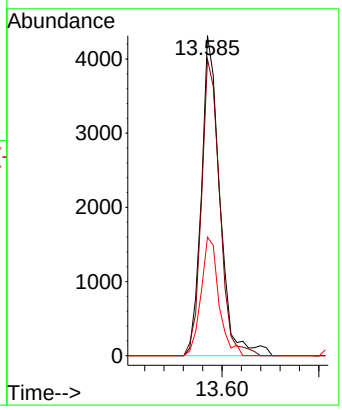


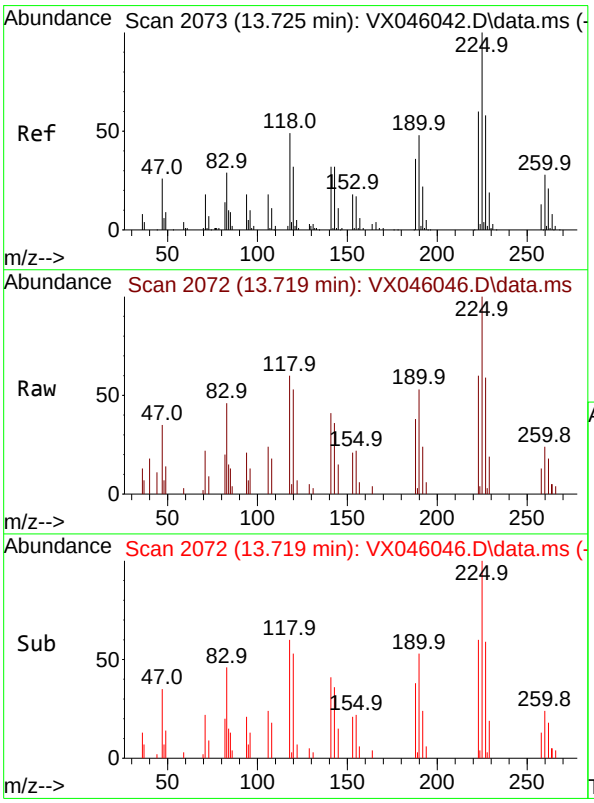
#93
1,2,4-Trichlorobenzene
Concen: 3.359 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 5720

Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.9	143.8
145	35.7	17.1	51.2

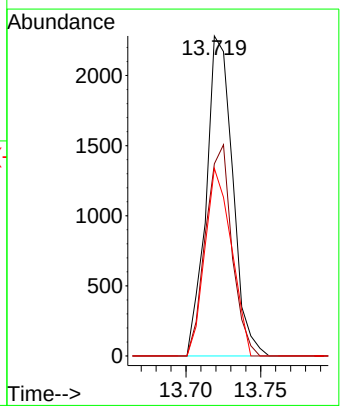


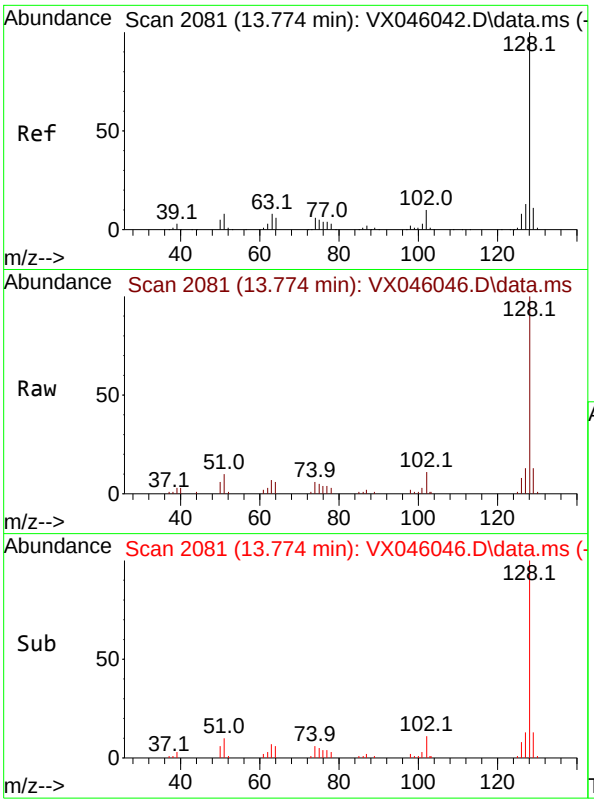


#94
Hexachlorobutadiene
Concen: 3.535 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:225 Resp: 2816

Ion	Ratio	Lower	Upper
225	100		
223	65.1	30.8	92.4
227	58.8	30.9	92.7



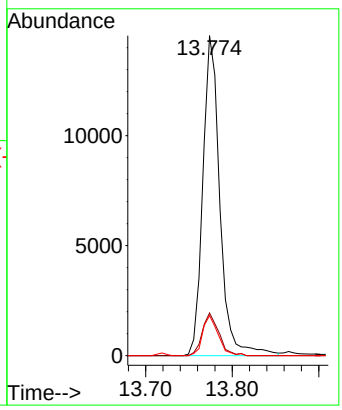


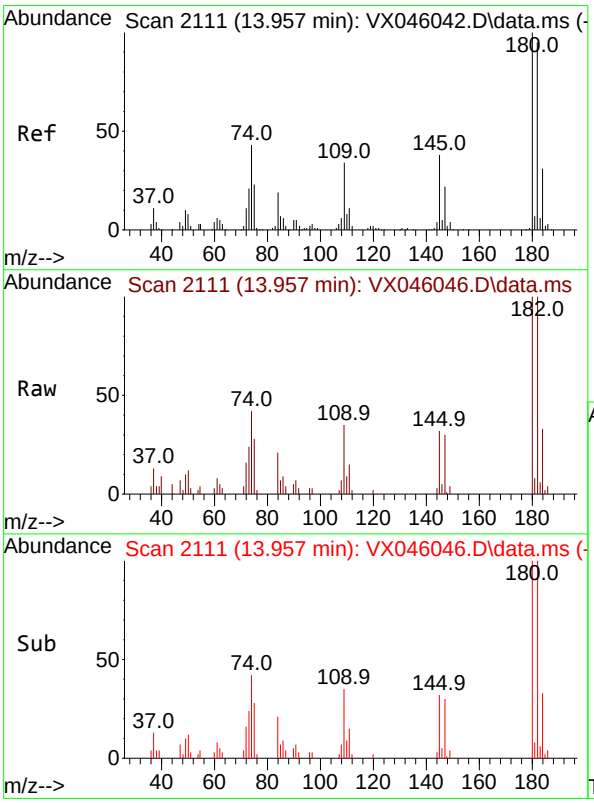
#95
Naphthalene
Concen: 3.209 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 19902

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.5	8.6	13.0

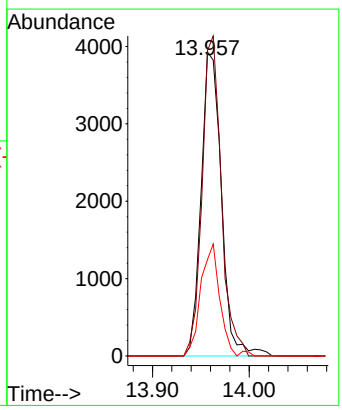




#96
1,2,3-Trichlorobenzene
Concen: 3.217 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046046.D
Acq: 05 May 2025 16:04

Tgt Ion:180 Resp: 5745

Ion	Ratio	Lower	Upper
180	100		
182	99.1	47.8	143.3
145	34.8	18.1	54.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.544	168	92040	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.757	114	167022	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.049	117	140108	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59123	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.970	65	2188	0.799	ug/l		0.02
Spiked Amount 50.000	Range 74 - 125		Recovery =	1.600%#			
35) Dibromofluoromethane	5.391	113	1350	0.721	ug/l		0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	1.440%#			
50) Toluene-d8	8.647	98	3964	0.628	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	1.260%#			
62) 4-Bromofluorobenzene	11.085	95	1250	0.545	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	1.080%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.166	85	1211	0.596	ug/l		98
3) Chloromethane	1.307	50	1278	0.639	ug/l		97
4) Vinyl Chloride	1.374	62	1239	0.707	ug/l	#	82
5) Bromomethane	1.593	94	770	0.866	ug/l		88
6) Chloroethane	1.678	64	859	0.951	ug/l		91
7) Trichlorofluoromethane	1.880	101	1959	0.734	ug/l		95
8) Diethyl Ether	2.130	74	742	0.845	ug/l		87
9) 1,1,2-Trichlorotrifluo...	2.319	101	1166	0.731	ug/l		96
10) Methyl Iodide	2.441	142	1297	0.692	ug/l	#	87
11) Tert butyl alcohol	2.965	59	1176	3.604	ug/l	#	78
12) 1,1-Dichloroethene	2.313	96	1093	0.704	ug/l	#	87
13) Acrolein	2.233	56	1374	3.625	ug/l		83
14) Allyl chloride	2.654	41	1936	0.660	ug/l		89
15) Acrylonitrile	3.075	53	3343	3.424	ug/l		98
16) Acetone	2.380	43	3500	3.736	ug/l		97
17) Carbon Disulfide	2.508	76	2619	0.728	ug/l		98
18) Methyl Acetate	2.709	43	1852	0.828	ug/l		98
19) Methyl tert-butyl Ether	3.117	73	3588	0.662	ug/l		96
20) Methylene Chloride	2.782	84	1571	0.828	ug/l	#	90
21) trans-1,2-Dichloroethene	3.081	96	1111	0.701	ug/l	#	71
22) Diisopropyl ether	3.757	45	3857	0.703	ug/l	#	26
23) Vinyl Acetate	3.727	43	15283	3.154	ug/l		96
24) 1,1-Dichloroethane	3.605	63	2054	0.637	ug/l		97
25) 2-Butanone	4.593	43	4558	3.371	ug/l		92
26) 2,2-Dichloropropane	4.458	77	1777	0.728	ug/l		84
27) cis-1,2-Dichloroethene	4.483	96	1324	0.693	ug/l		91
28) Bromochloromethane	4.910	49	682	0.398	ug/l	#	63
29) Tetrahydrofuran	5.019	42	2931	3.338	ug/l		99
30) Chloroform	5.093	83	2328	0.695	ug/l		98
31) Cyclohexane	5.458	56	2072	0.763	ug/l		88
32) 1,1,1-Trichloroethane	5.379	97	1869	0.647	ug/l	#	51
36) 1,1-Dichloropropene	5.684	75	1648	0.758	ug/l	#	83
37) Ethyl Acetate	4.733	43	1447	0.531	ug/l	#	72
38) Carbon Tetrachloride	5.678	117	1807	0.724	ug/l	#	78
39) Methylcyclohexane	7.373	83	2096	0.770	ug/l		97
40) Benzene	6.044	78	4502	0.668	ug/l	#	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.946	41	778	0.513 ug/l #	56
42) 1,2-Dichloroethane	6.092	62	1934	0.694 ug/l	81
43) Isopropyl Acetate	6.354	43	2553	0.612 ug/l #	81
44) Trichloroethene	7.135	130	1083	0.680 ug/l	85
45) 1,2-Dichloropropane	7.440	63	1059	0.633 ug/l	89
46) Dibromomethane	7.586	93	880	0.667 ug/l	97
47) Bromodichloromethane	7.818	83	1620	0.633 ug/l #	91
48) Methyl methacrylate	7.714	41	1033	0.483 ug/l #	71
49) 1,4-Dioxane	7.677	88	498	11.703 ug/l #	66
51) 4-Methyl-2-Pentanone	8.580	43	9378	3.430 ug/l	97
52) Toluene	8.720	92	2684	0.672 ug/l	96
53) t-1,3-Dichloropropene	8.988	75	1238	0.576 ug/l #	79
54) cis-1,3-Dichloropropene	8.379	75	1414	0.564 ug/l #	87
55) 1,1,2-Trichloroethane	9.153	97	1029	0.637 ug/l	92
56) Ethyl methacrylate	9.128	69	1260	0.504 ug/l #	76
57) 1,3-Dichloropropane	9.311	76	2036	0.711 ug/l	97
58) 2-Chloroethyl Vinyl ether	8.244	63	3846	3.420 ug/l	94
59) 2-Hexanone	9.439	43	6424	3.096 ug/l	88
60) Dibromochloromethane	9.525	129	1023	0.582 ug/l	93
61) 1,2-Dibromoethane	9.610	107	1077	0.650 ug/l	98
64) Tetrachloroethene	9.275	164	972	0.679 ug/l	95
65) Chlorobenzene	10.079	112	3170	0.735 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	1035	0.720 ug/l #	67
67) Ethyl Benzene	10.195	91	5052	0.687 ug/l	94
68) m/p-Xylenes	10.299	106	3630	1.367 ug/l	97
69) o-Xylene	10.640	106	1799	0.672 ug/l	94
70) Styrene	10.659	104	2664	0.622 ug/l	98
71) Bromoform	10.799	173	657	0.608 ug/l #	100
73) Isopropylbenzene	10.963	105	4480	0.695 ug/l	96
74) N-amyl acetate	10.854	43	2028	0.631 ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	1835	0.800 ug/l	94
76) 1,2,3-Trichloropropane	11.244	75	1858	0.754 ug/l	77
77) Bromobenzene	11.201	156	1095	0.734 ug/l	96
78) n-propylbenzene	11.305	91	5052	0.699 ug/l	97
79) 2-Chlorotoluene	11.360	91	3765	0.773 ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	3590	0.671 ug/l	96
81) trans-1,4-Dichloro-2-b...	11.024	75	252	0.425 ug/l #	71
82) 4-Chlorotoluene	11.457	91	3815	0.713 ug/l	97
83) tert-Butylbenzene	11.713	119	3951	0.751 ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	3725	0.697 ug/l	97
85) sec-Butylbenzene	11.890	105	4385	0.672 ug/l	100
86) p-Isopropyltoluene	12.006	119	3577	0.679 ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	1914	0.689 ug/l	99
88) 1,4-Dichlorobenzene	11.969	146	1914	0.703 ug/l	98
89) n-Butylbenzene	12.335	91	2889	0.631 ug/l	92
90) Hexachloroethane	12.536	117	604	0.616 ug/l	99
91) 1,2-Dichlorobenzene	12.341	146	2022	0.747 ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	306	0.586 ug/l	83
93) 1,2,4-Trichlorobenzene	13.591	180	1019	0.688 ug/l	94
94) Hexachlorobutadiene	13.725	225	465	0.671 ug/l	89
95) Naphthalene	13.780	128	4138	0.767 ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	1113	0.716 ug/l	96

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

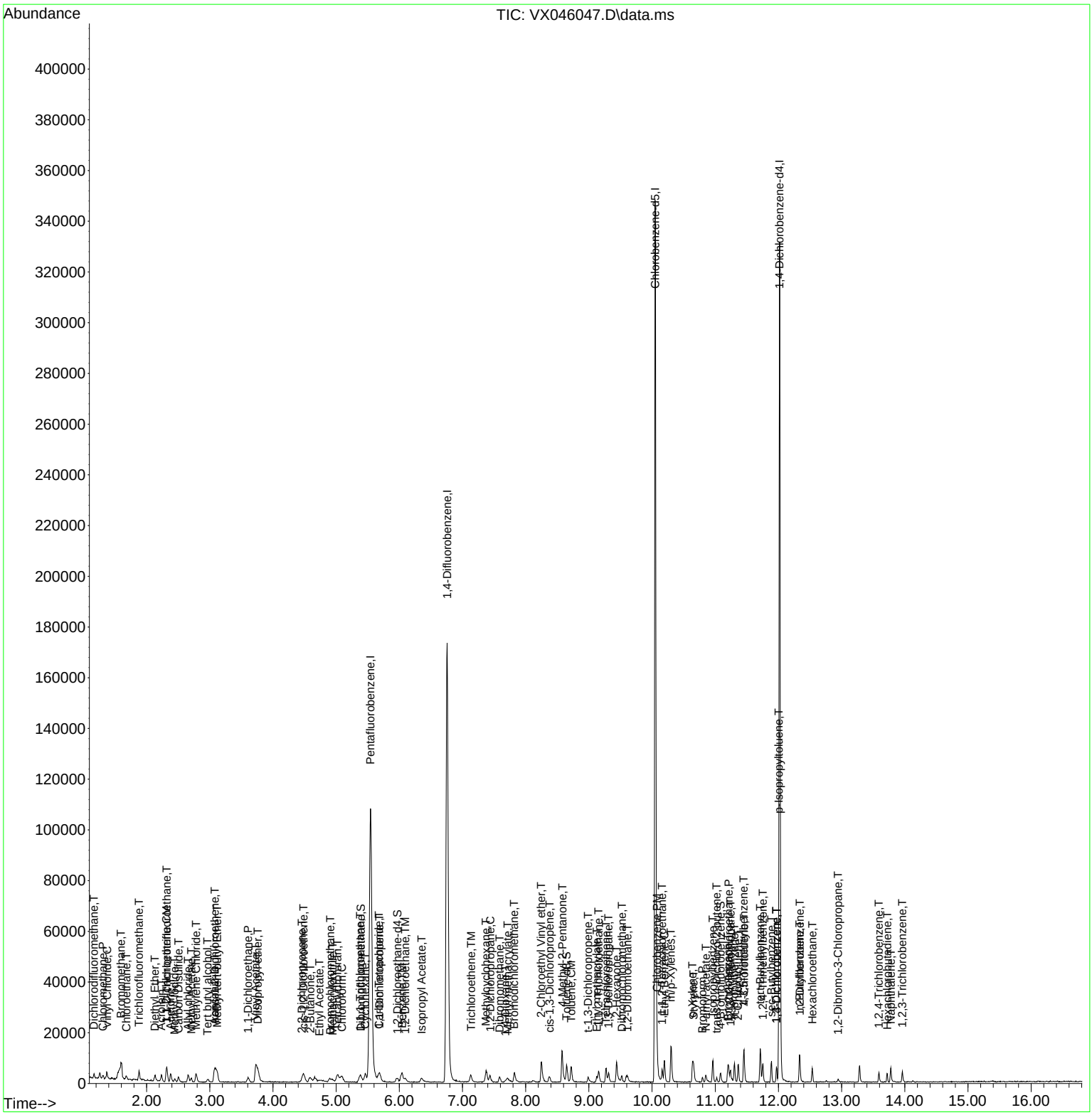
(#) = qualifier out of range (m) = manual integration (+) = signals summed

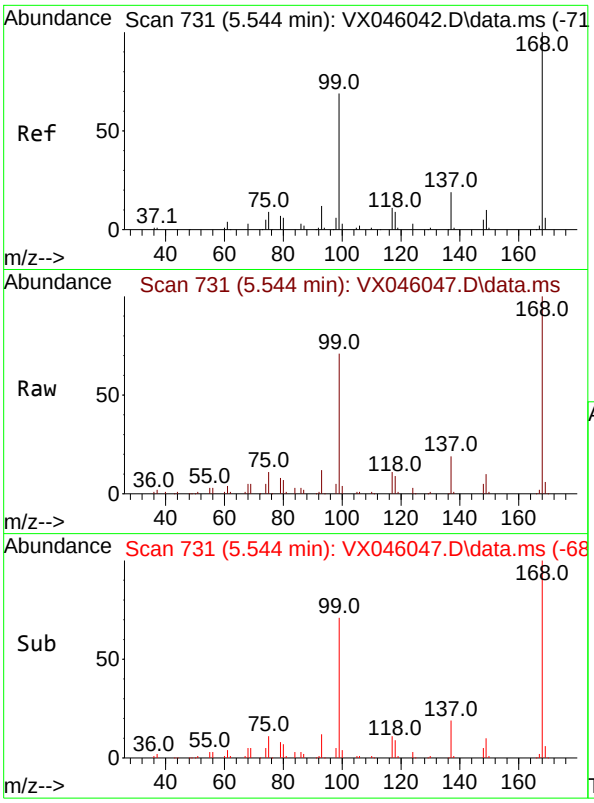
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046047.D
Acq On : 05 May 2025 16:27
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Quant Time: May 06 06:13:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 06:04:56 2025
Response via : Initial Calibration



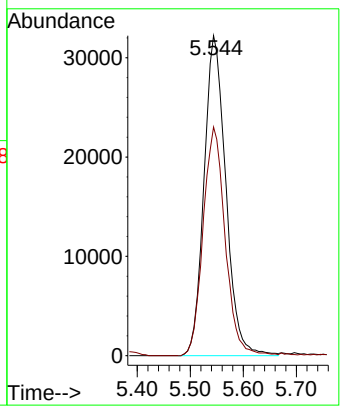


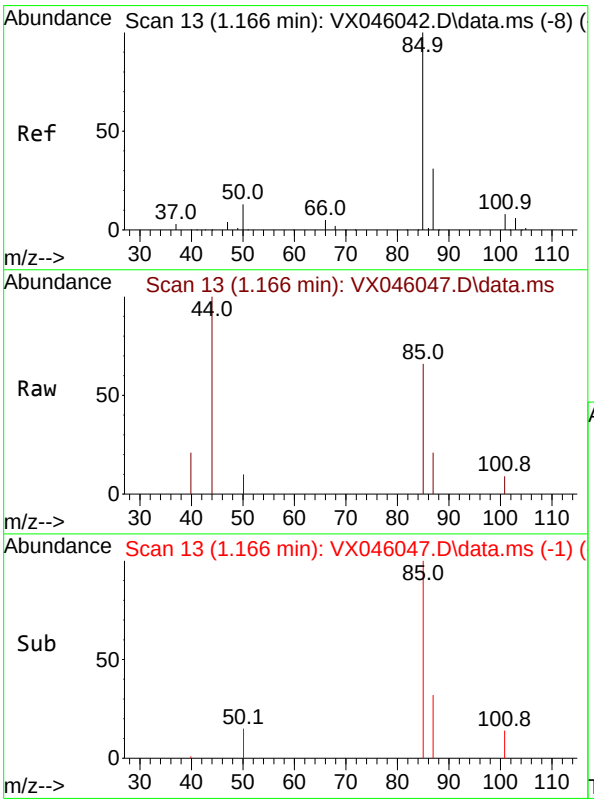
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 92040

Ion	Ratio	Lower	Upper
168	100		
99	71.5	54.9	82.3

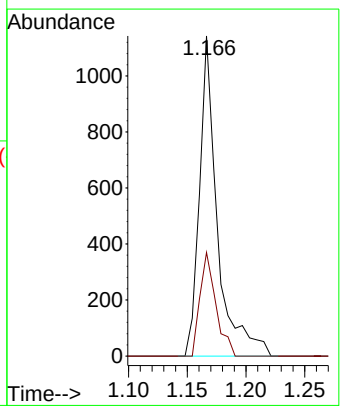


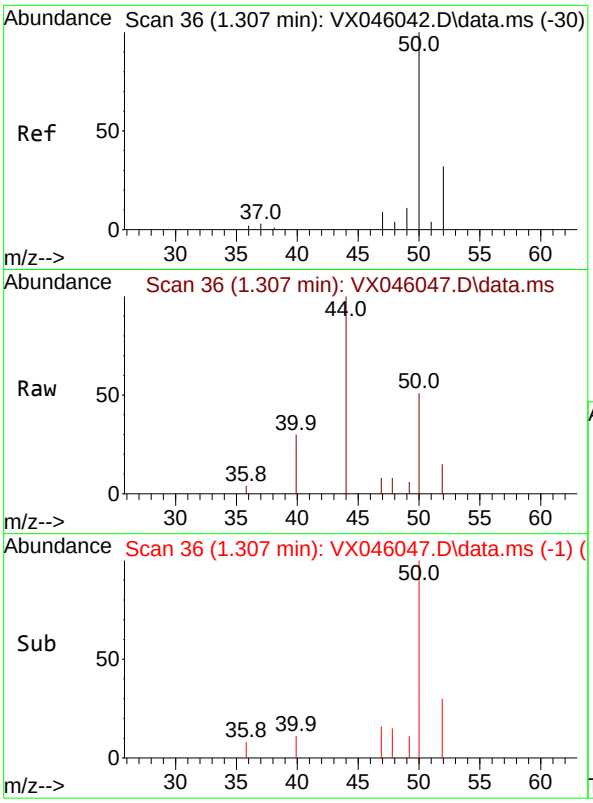


#2
Dichlorodifluoromethane
Concen: 0.596 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 85 Resp: 1211

Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.7	47.1



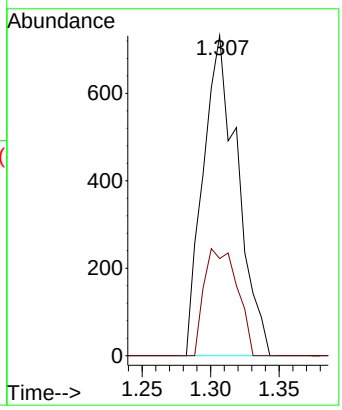


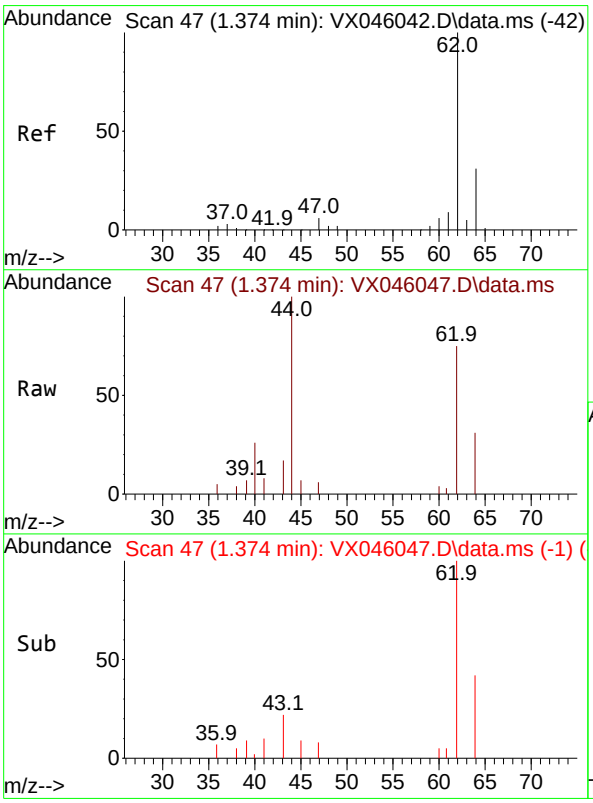
#3
Chloromethane
Concen: 0.639 ug/l
RT: 1.307 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 1278

Ion	Ratio	Lower	Upper
50	100		
52	30.3	25.4	38.2

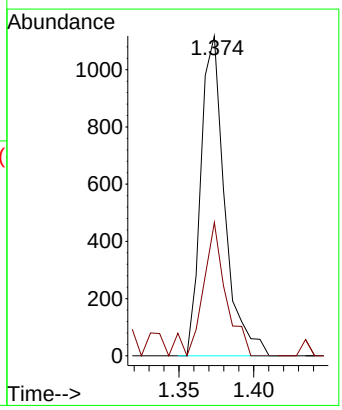


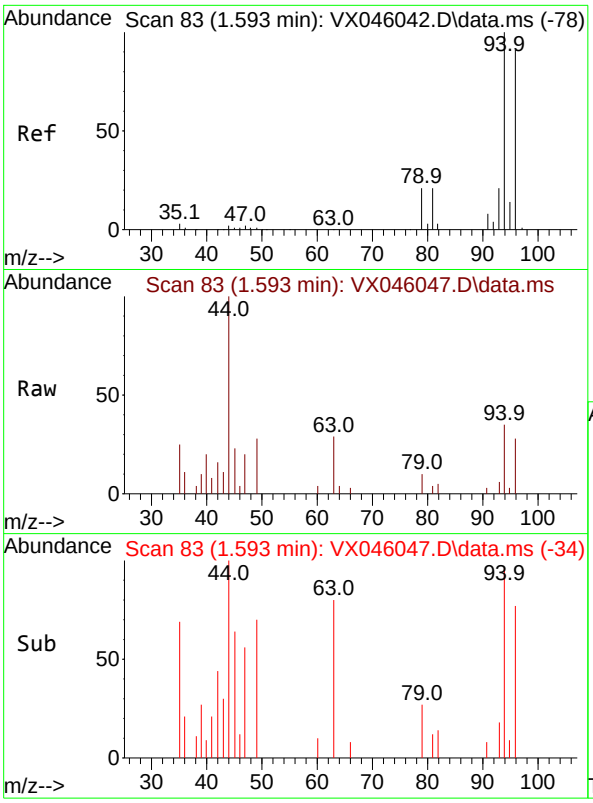


#4
Vinyl Chloride
Concen: 0.707 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 62 Resp: 1239

Ion	Ratio	Lower	Upper
62	100		
64	41.7	25.2	37.8#



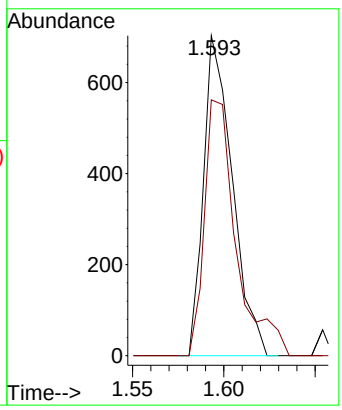


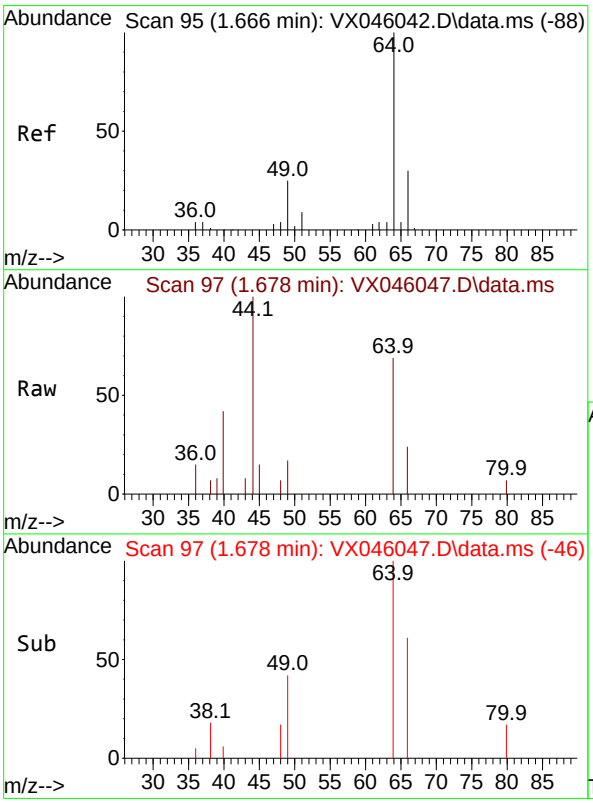
#5
Bromomethane
Concen: 0.866 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 770

Ion	Ratio	Lower	Upper
94	100		
96	79.9	72.8	109.2

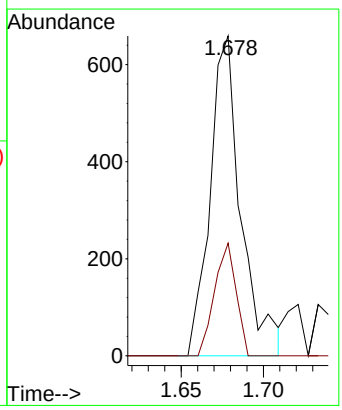


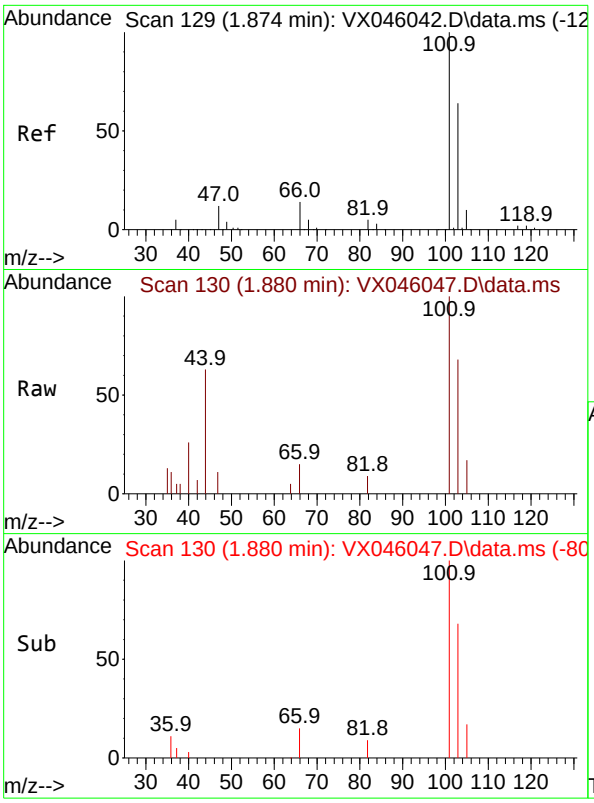


#6
Chloroethane
Concen: 0.951 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 64 Resp: 859

Ion	Ratio	Lower	Upper
64	100		
66	35.2	24.3	36.5



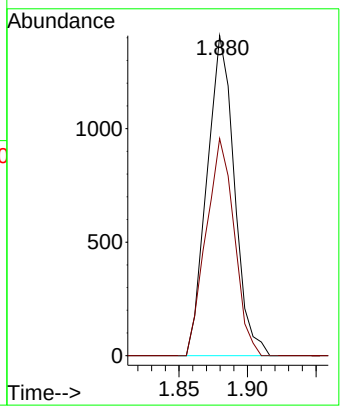


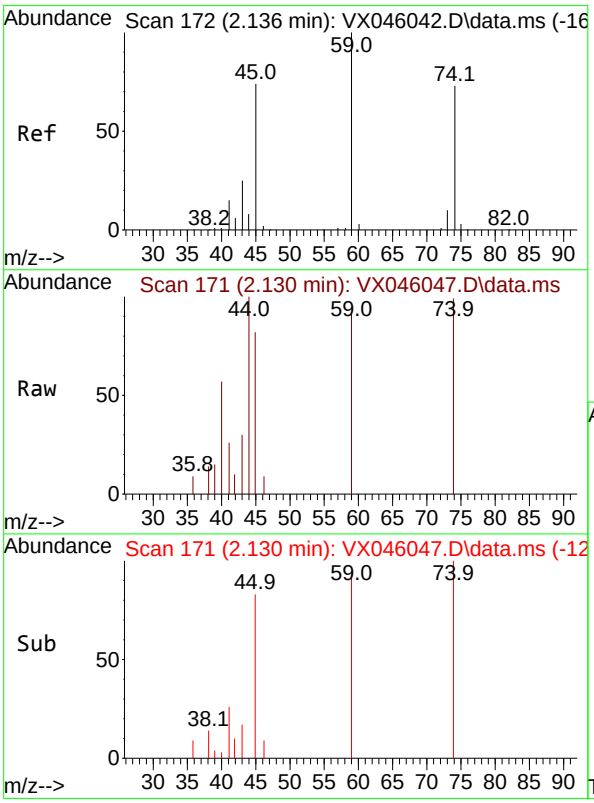
#7
Trichlorofluoromethane
Concen: 0.734 ug/l
RT: 1.880 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1959

Ion	Ratio	Lower	Upper
101	100		
103	67.8	51.0	76.4

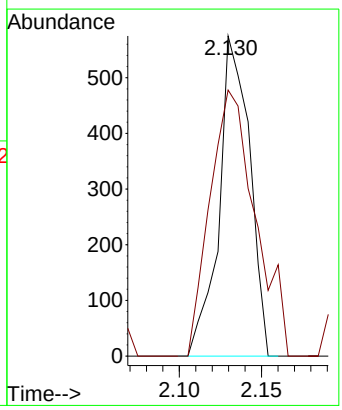


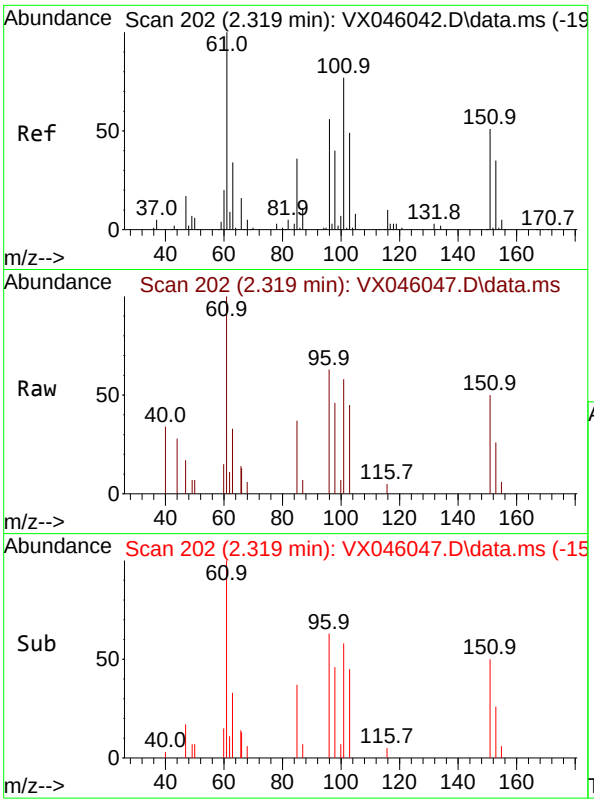


#8
Diethyl Ether
Concen: 0.845 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 74 Resp: 742

Ion	Ratio	Lower	Upper
74	100		
45	123.6	54.9	164.8



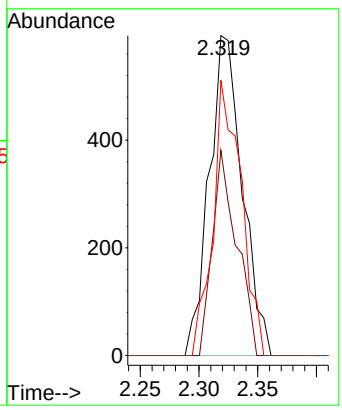


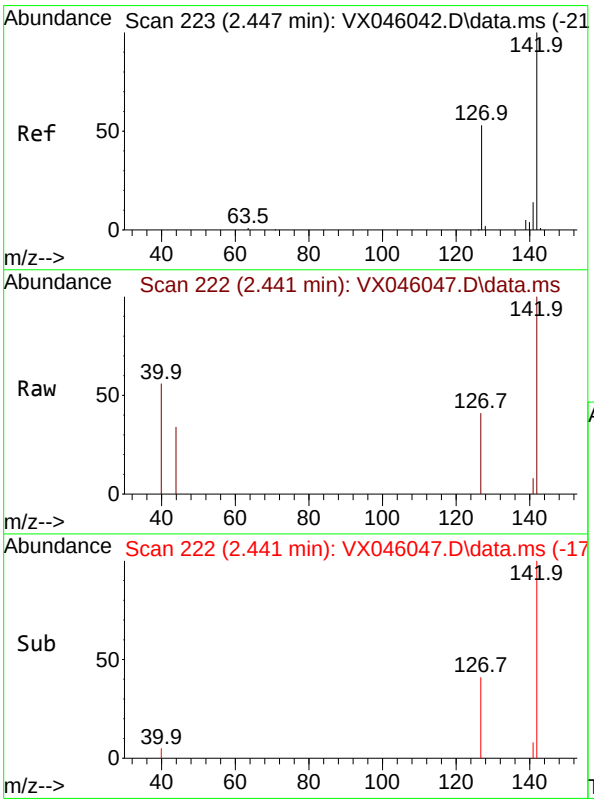
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.731 ug/l
RT: 2.319 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 1166

Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.6	58.0
151	73.1	55.2	82.8

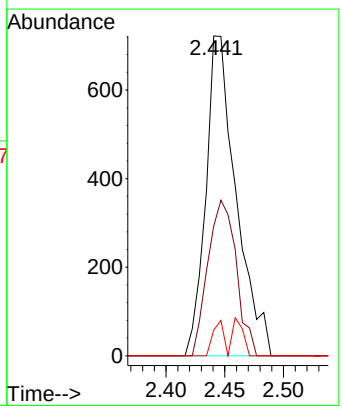


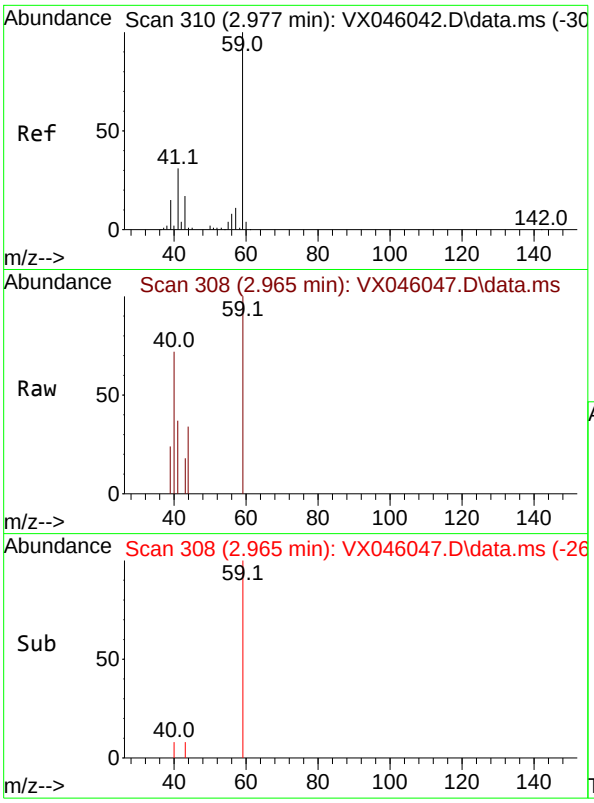


#10
Methyl Iodide
Concen: 0.692 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:142 Resp: 1297

Ion	Ratio	Lower	Upper
142	100		
127	45.5	41.7	62.5
141	3.9	11.5	17.3#



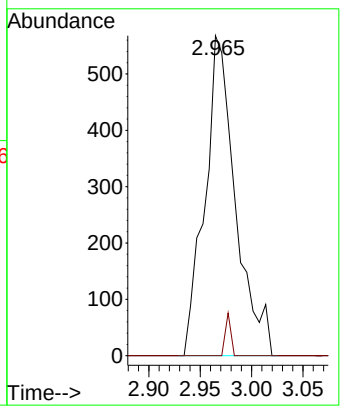


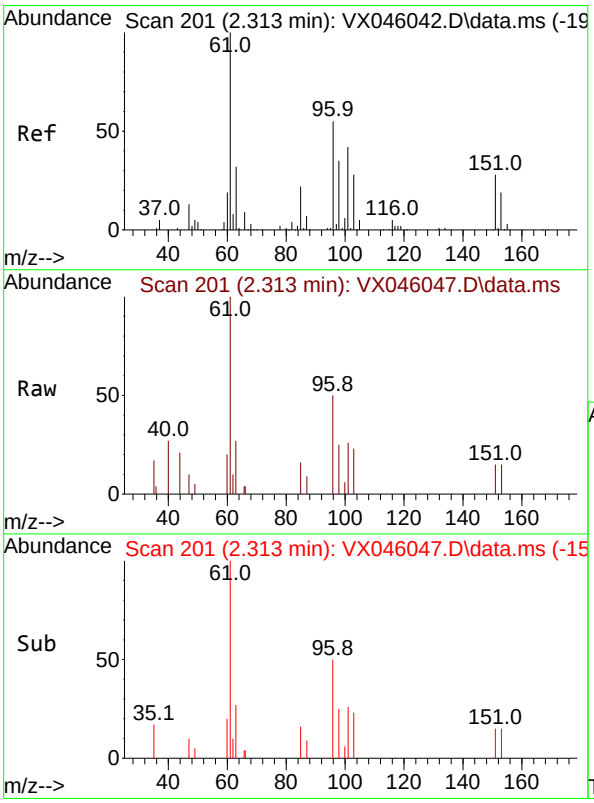
#11
Tert butyl alcohol
Concen: 3.604 ug/l
RT: 2.965 min Scan# 3
Delta R.T. -0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 1176

Ion	Ratio	Lower	Upper
59	100		
57	2.4	8.6	12.8#

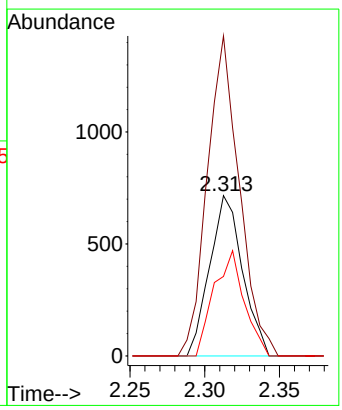


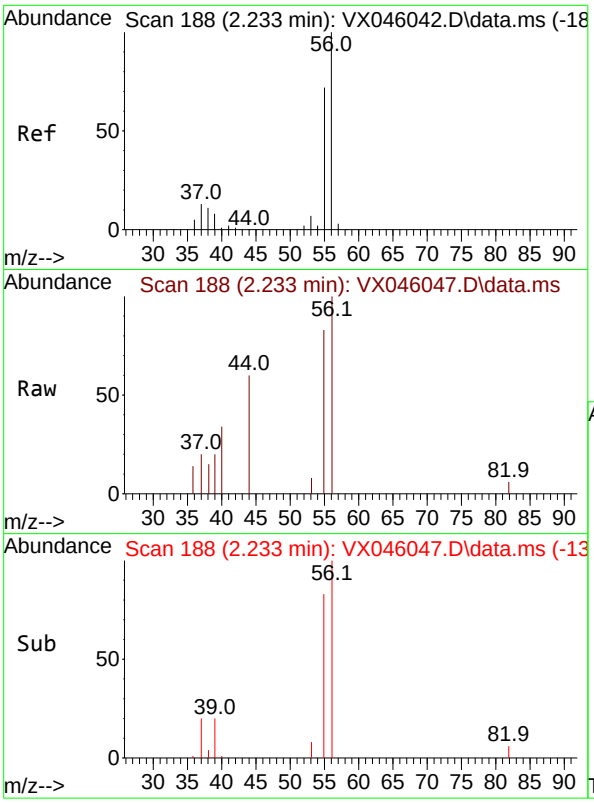


#12
1,1-Dichloroethene
Concen: 0.704 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 96 Resp: 1093

Ion	Ratio	Lower	Upper
96	100		
61	199.6	146.2	219.2
98	49.6	51.0	76.6#



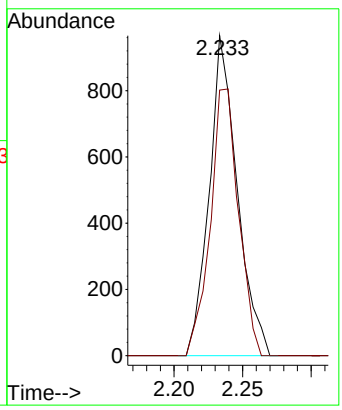


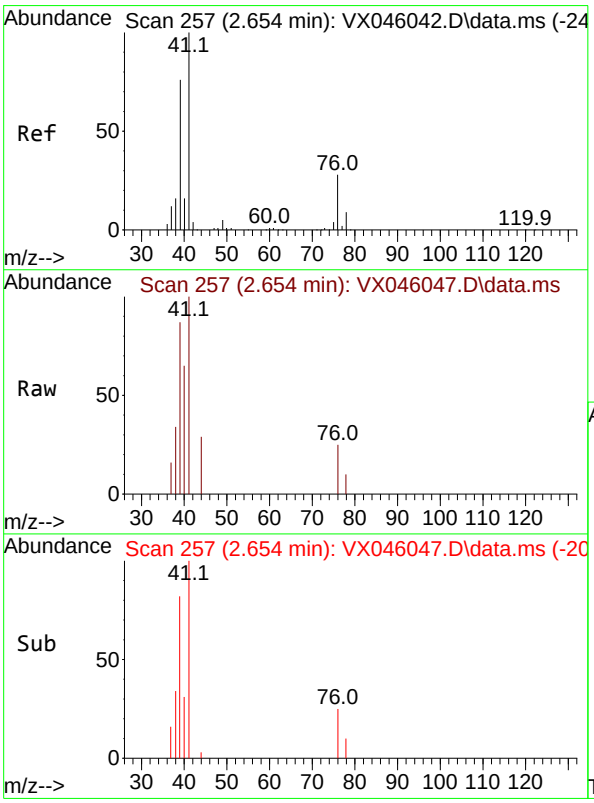
#13
Acrolein
Concen: 3.625 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 1374

Ion	Ratio	Lower	Upper
56	100		
55	83.9	56.2	84.4

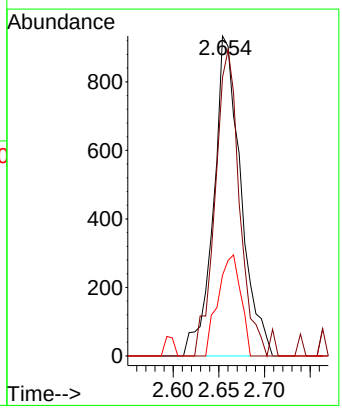


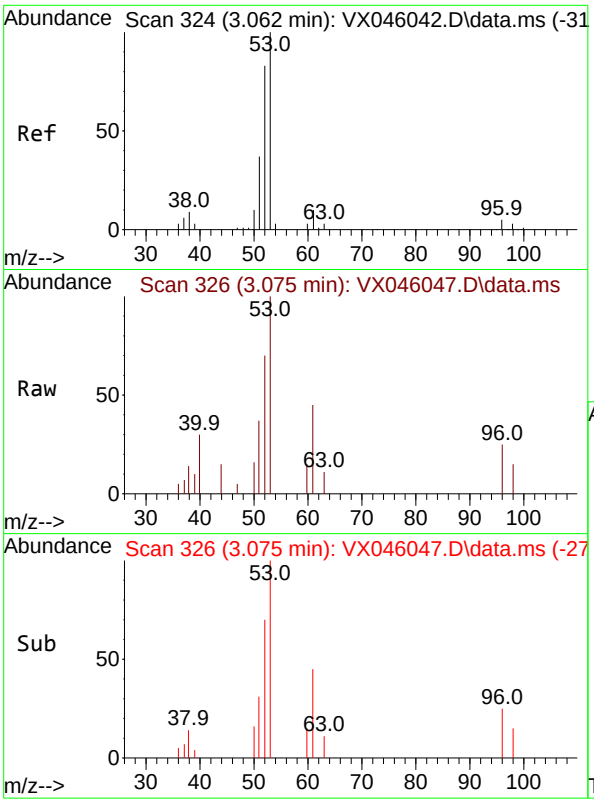


#14
Allyl chloride
Concen: 0.660 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 1936

Ion	Ratio	Lower	Upper
41	100		
39	85.5	60.6	90.8
76	26.4	24.9	37.3



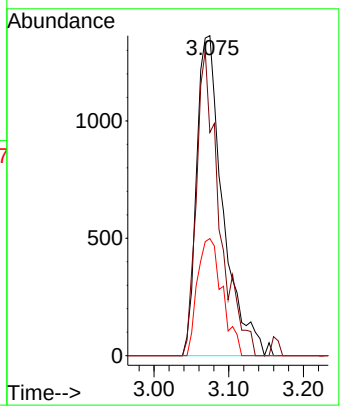


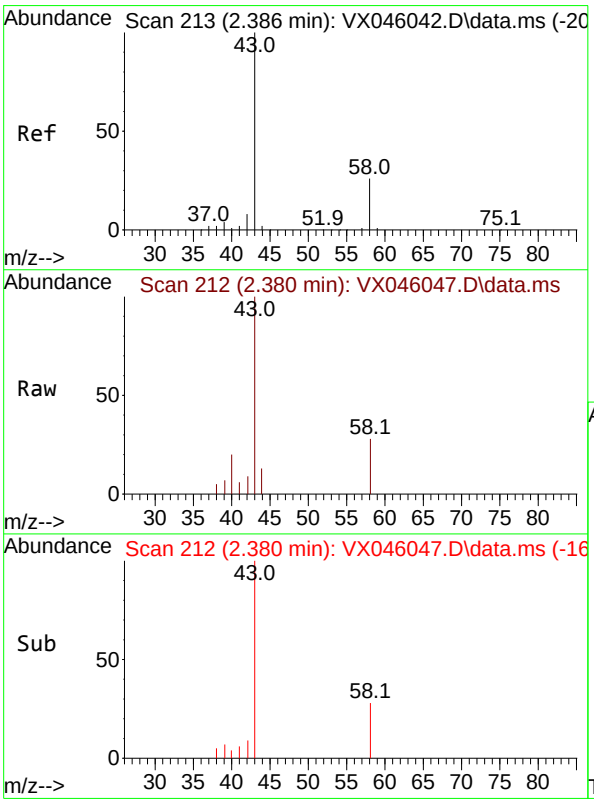
#15
Acrylonitrile
Concen: 3.424 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 3343

Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.3	97.9
51	34.4	29.8	44.8

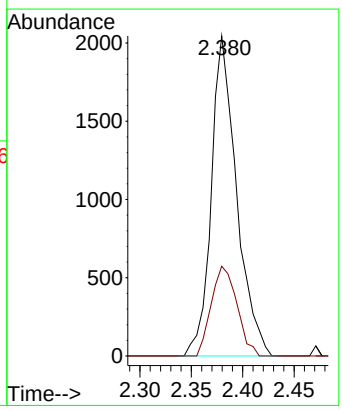


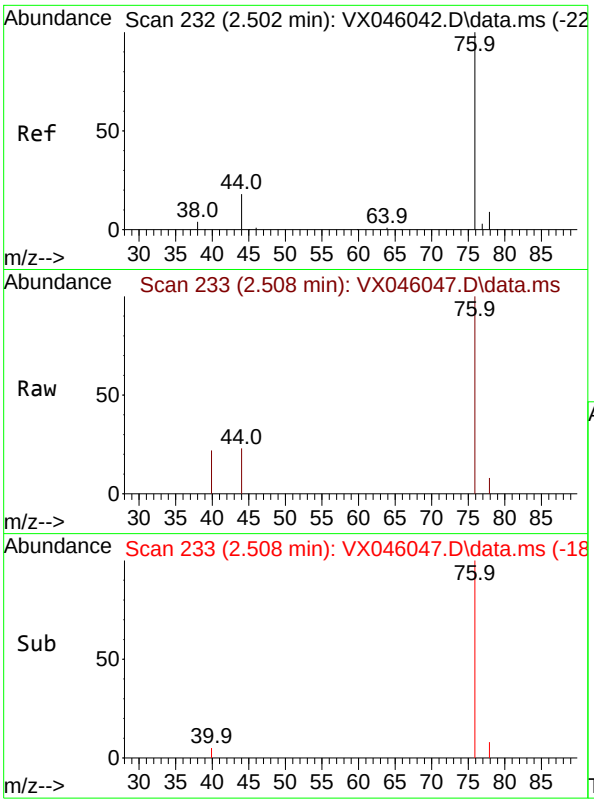


#16
Acetone
Concen: 3.736 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 3500

Ion	Ratio	Lower	Upper
43	100		
58	28.1	21.2	31.8



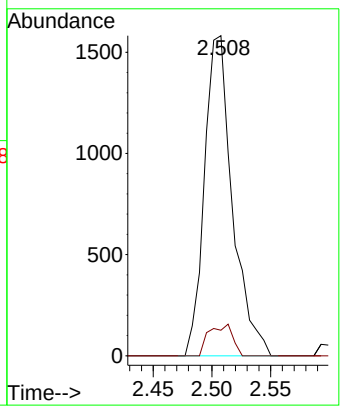


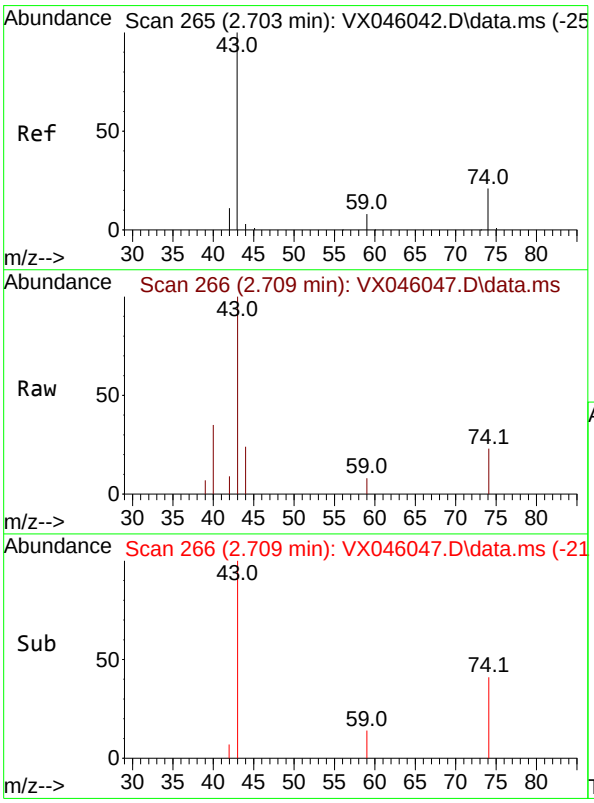
#17
Carbon Disulfide
Concen: 0.728 ug/l
RT: 2.508 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2619

Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.0	10.4

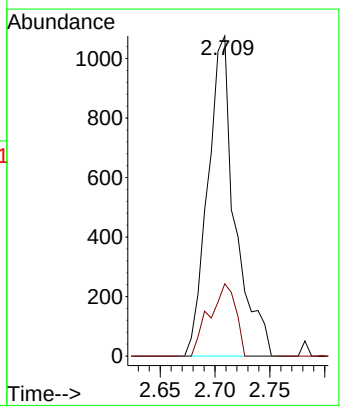


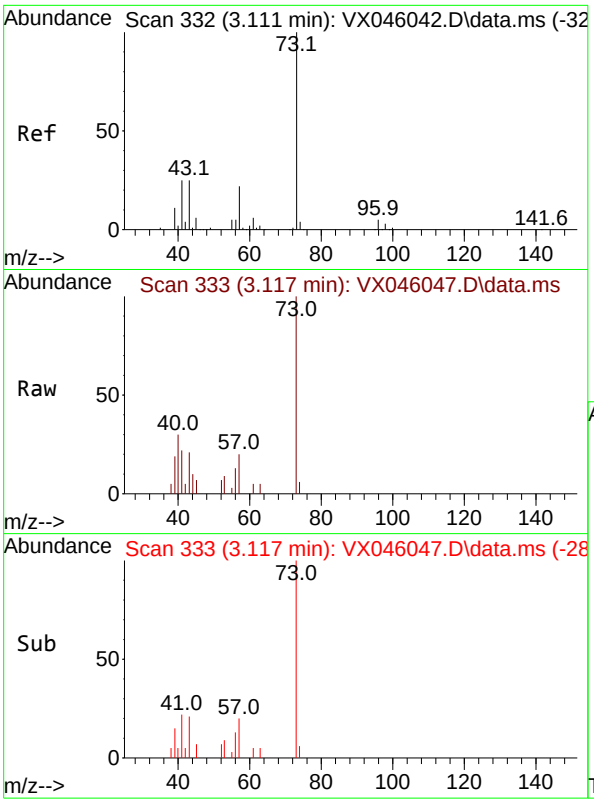


#18
Methyl Acetate
Concen: 0.828 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 1852

Ion	Ratio	Lower	Upper
43	100		
74	22.0	16.7	25.1



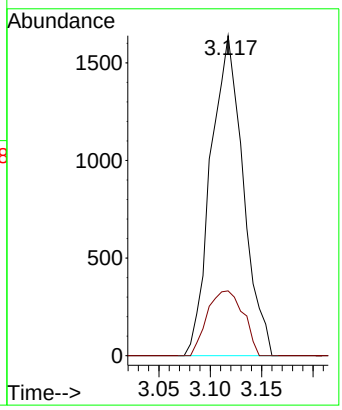


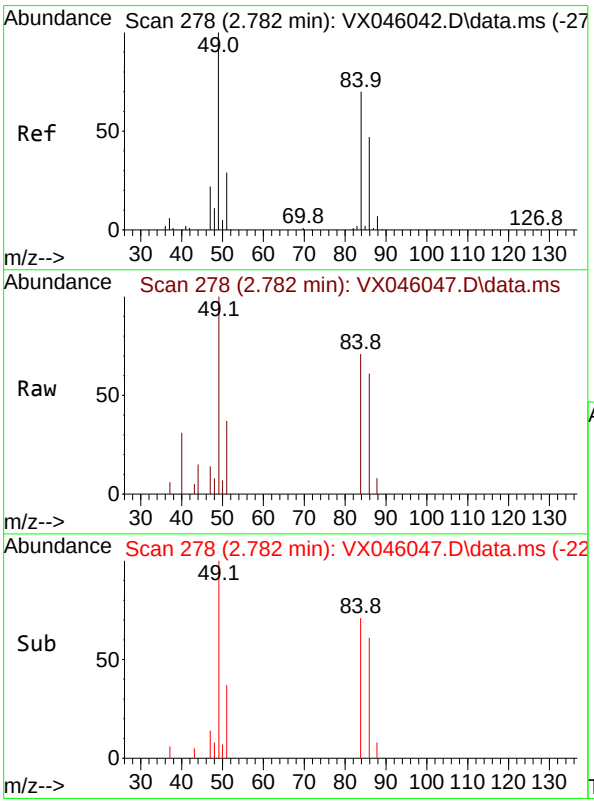
#19
Methyl tert-butyl Ether
Concen: 0.662 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 3588

Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.7	26.5

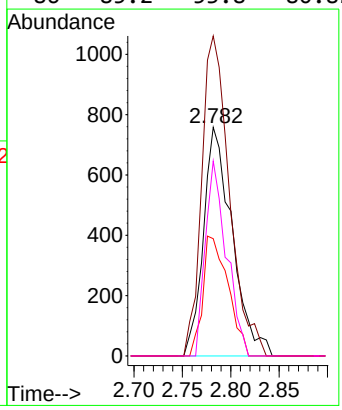


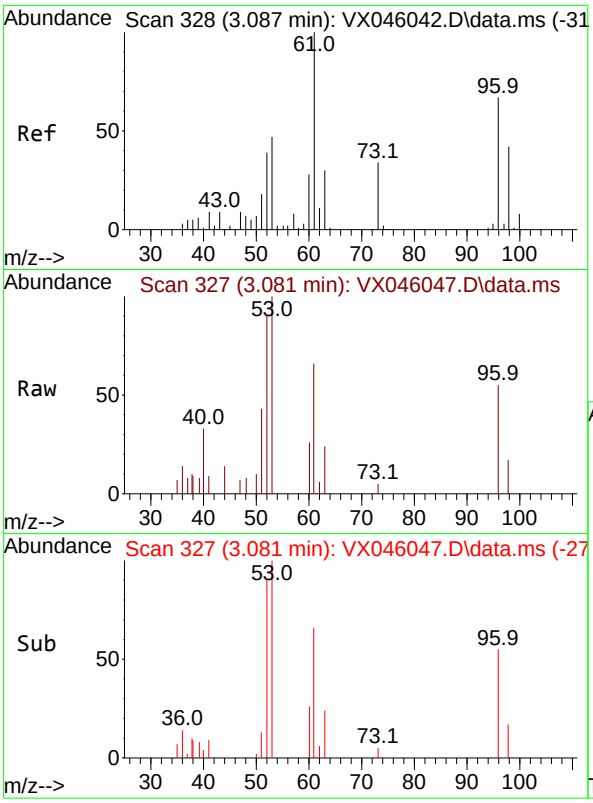


#20
Methylene Chloride
Concen: 0.828 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 84 Resp: 1571

Ion	Ratio	Lower	Upper
84	100		
49	140.0	113.9	170.9
51	51.3	33.5	50.3#
86	85.2	53.8	80.8#



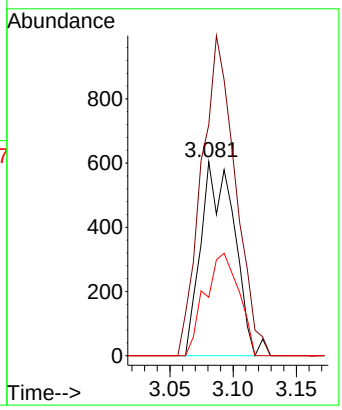


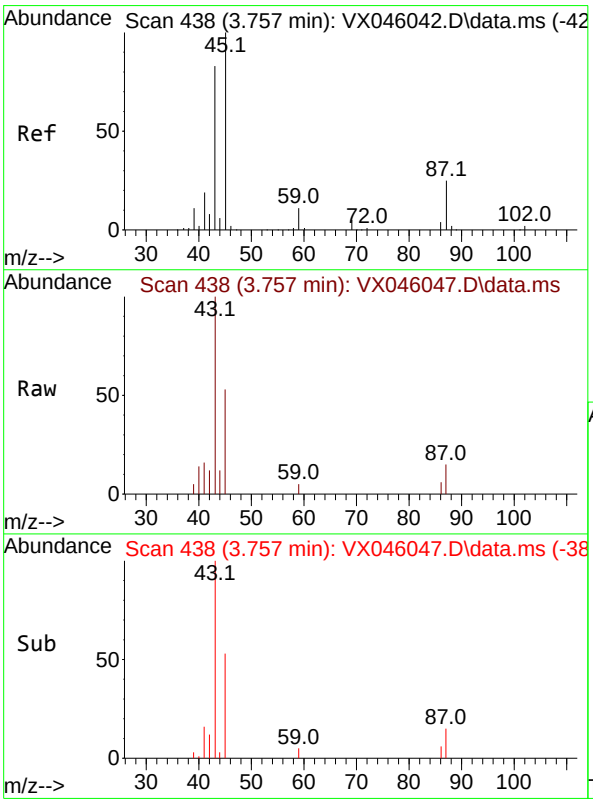
#21
trans-1,2-Dichloroethene
Concen: 0.701 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1111

Ion	Ratio	Lower	Upper
96	100		
61	119.0	119.5	179.3#
98	30.1	50.0	75.0#

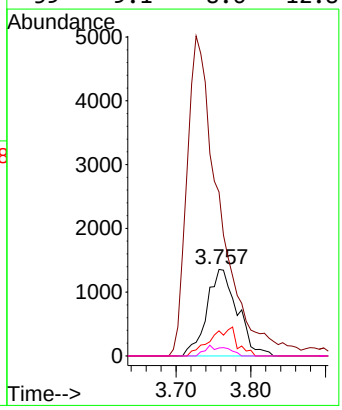


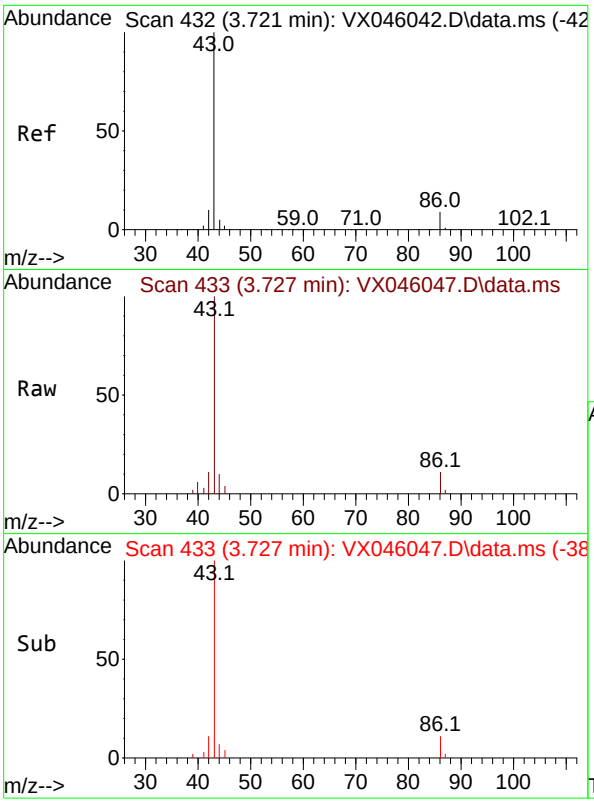


#22
Diisopropyl ether
Concen: 0.703 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 45 Resp: 3857

Ion	Ratio	Lower	Upper
45	100		
43	176.2	66.6	100.0#
87	28.9	19.8	29.6
59	9.1	8.6	12.8



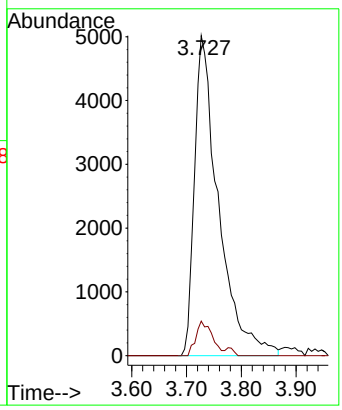


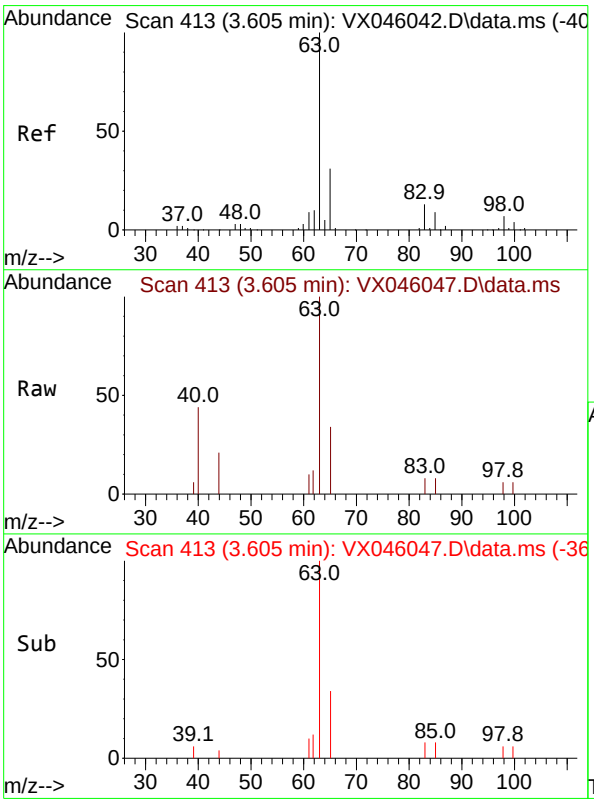
#23
Vinyl Acetate
Concen: 3.154 ug/l
RT: 3.727 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 15283

Ion	Ratio	Lower	Upper
43	100		
86	10.8	7.5	11.3

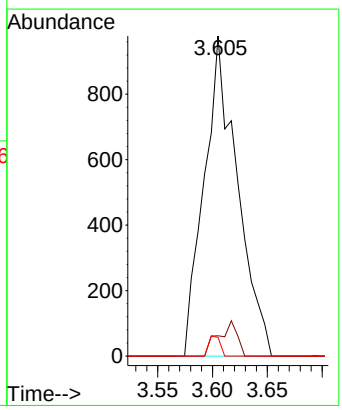


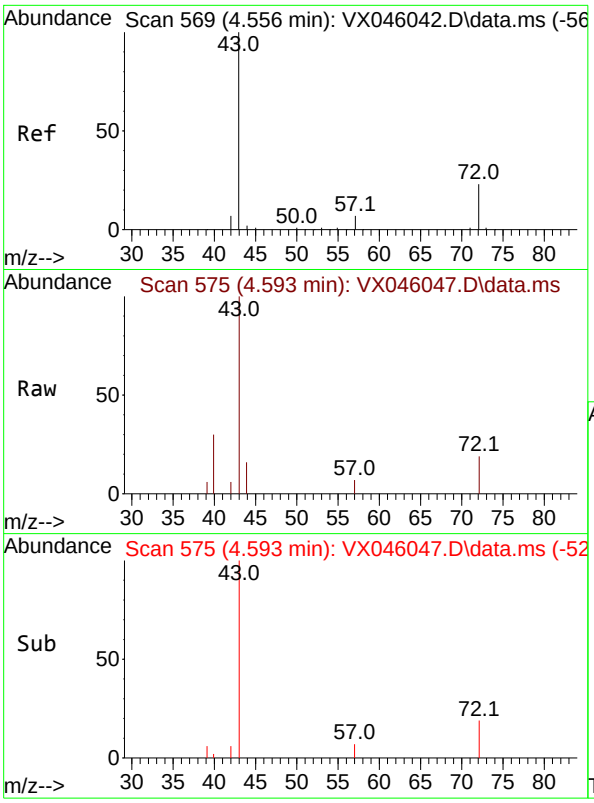


#24
1,1-Dichloroethane
Concen: 0.637 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 2054

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.6	10.8
100	5.8	2.1	6.3



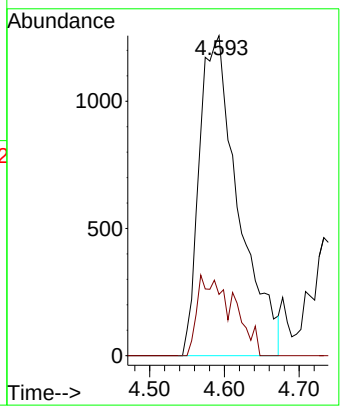


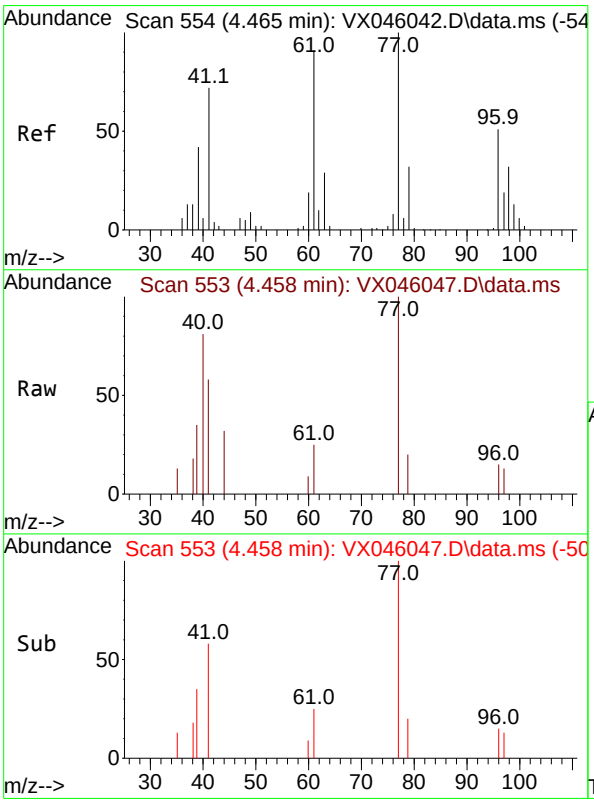
#25
2-Butanone
Concen: 3.371 ug/l
RT: 4.593 min Scan# 5
Delta R.T. 0.037 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 4558

Ion	Ratio	Lower	Upper
43	100		
72	19.2	18.4	27.6

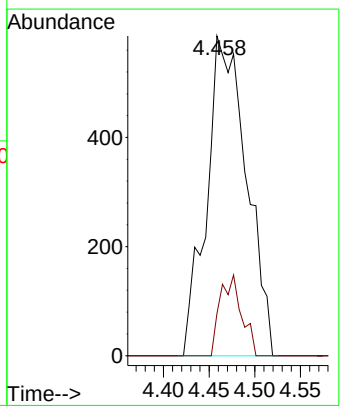


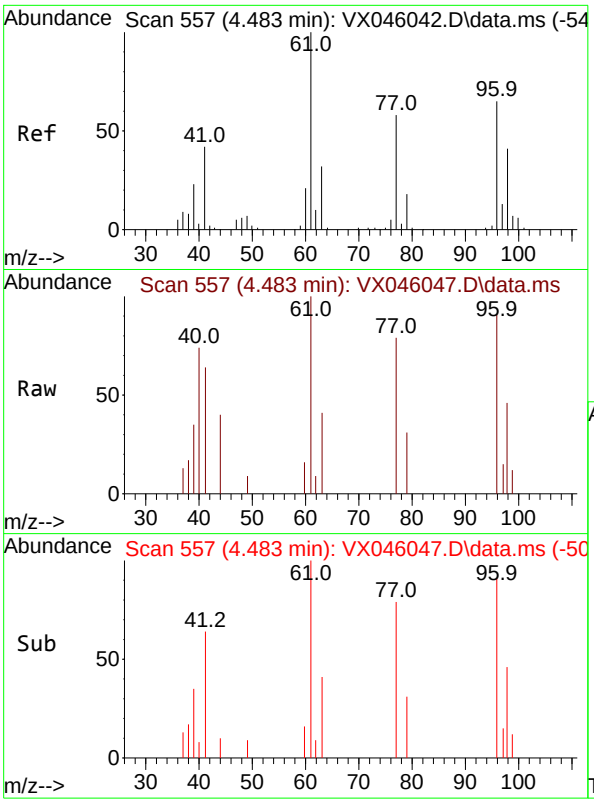


#26
2,2-Dichloropropane
Concen: 0.728 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 77 Resp: 1777

Ion	Ratio	Lower	Upper
77	100		
97	13.7	10.5	31.5



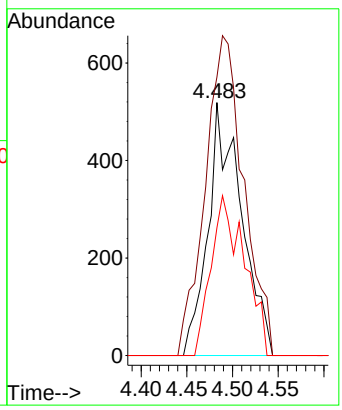


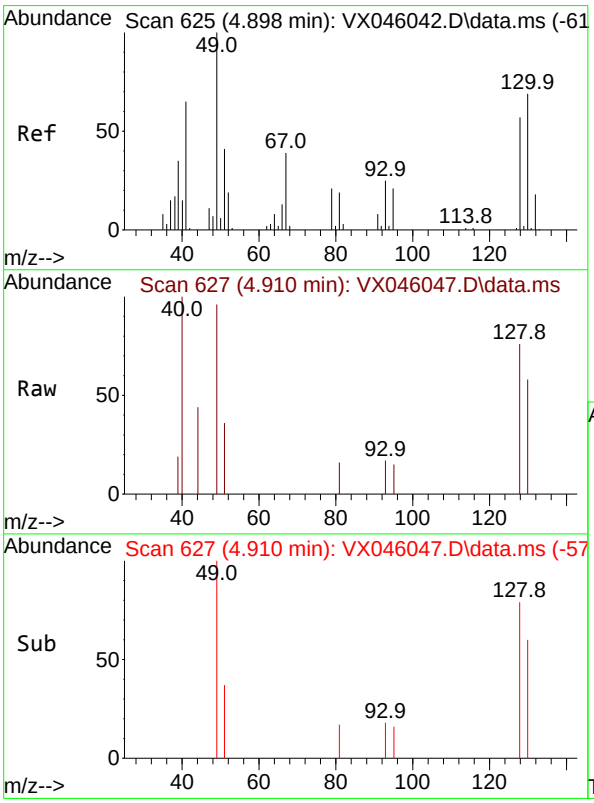
#27
cis-1,2-Dichloroethene
Concen: 0.693 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 1324

Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	322.8
98	63.1	0.0	129.0

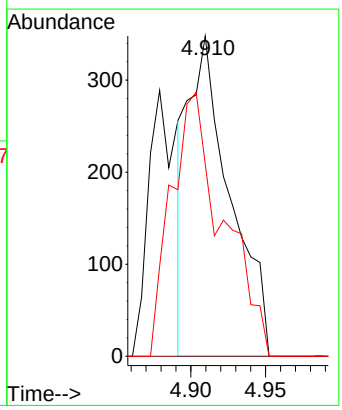


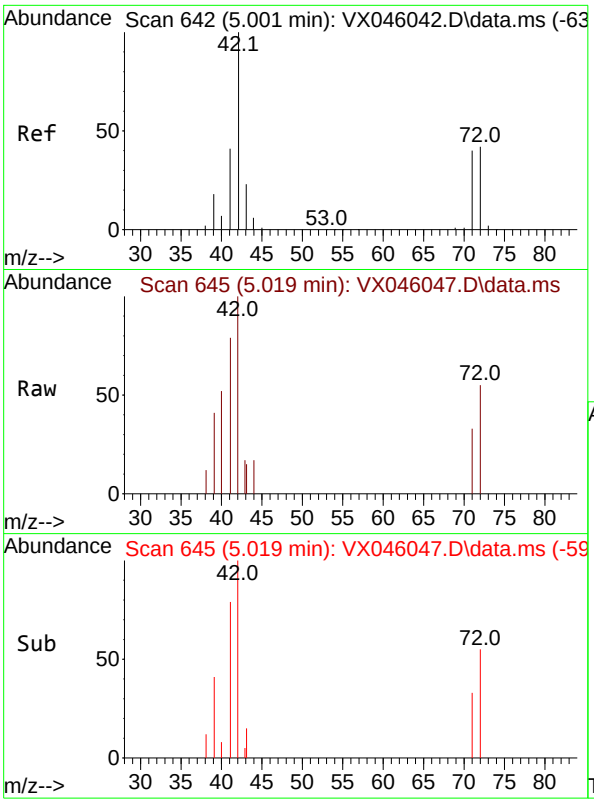


#28
Bromochloromethane
Concen: 0.398 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 49 Resp: 682

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	101.6	56.2	84.2#



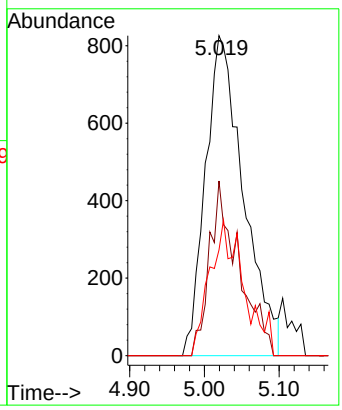


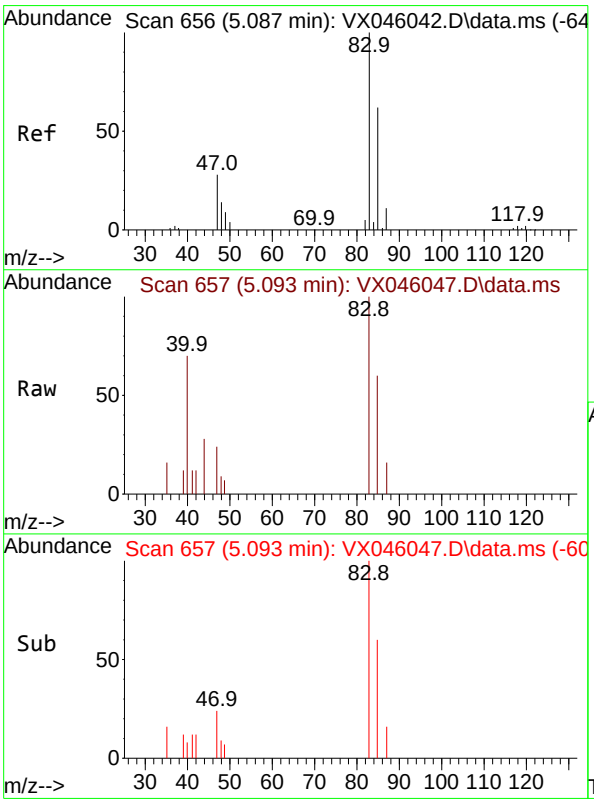
#29
Tetrahydrofuran
Concen: 3.338 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 2931

Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	37.7	31.4	47.2

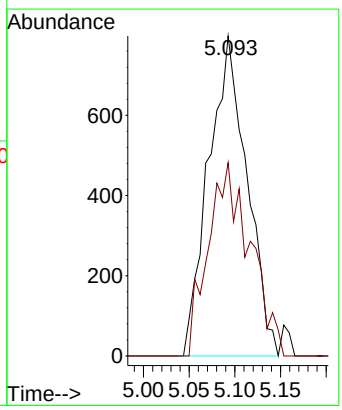


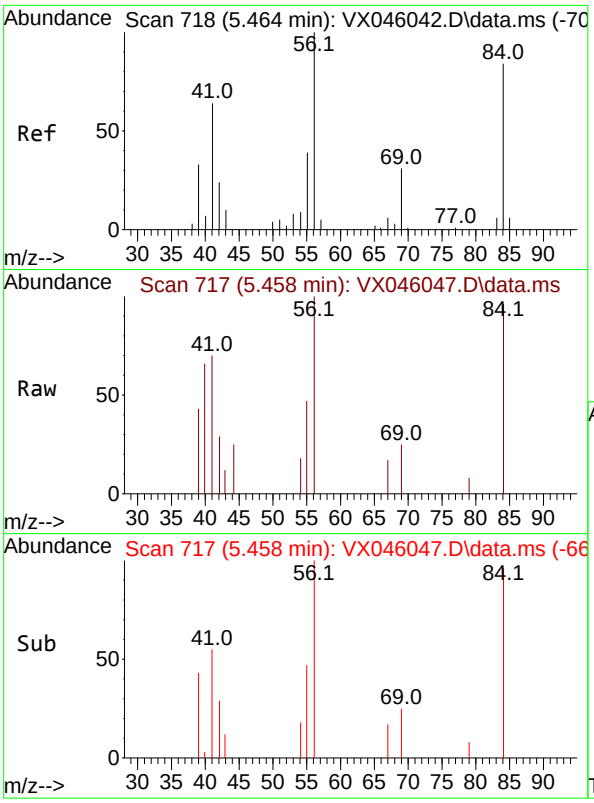


#30
Chloroform
Concen: 0.695 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 83 Resp: 2328

Ion	Ratio	Lower	Upper
83	100		
85	60.4	49.3	73.9



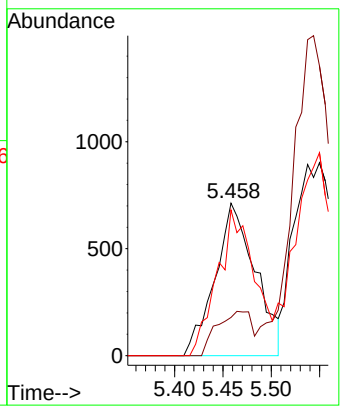


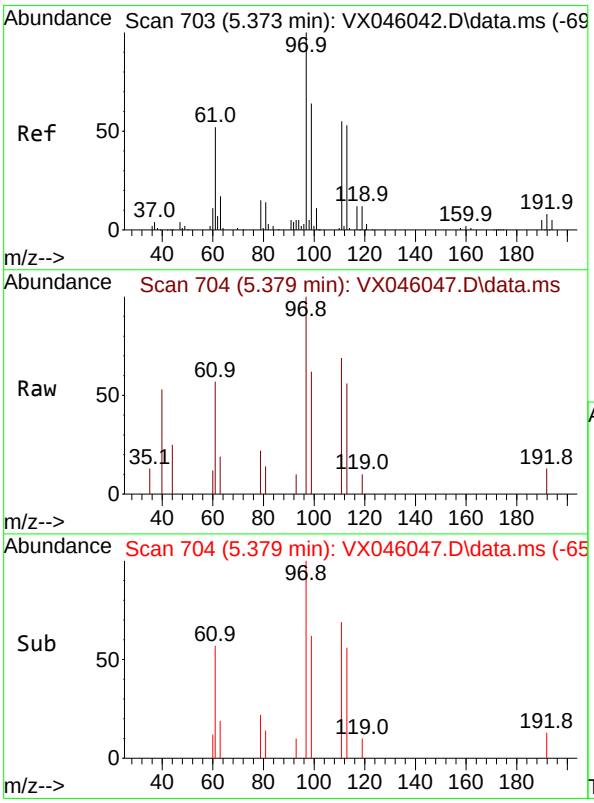
#31
Cyclohexane
Concen: 0.763 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 2072

Ion	Ratio	Lower	Upper
56	100		
69	25.1	24.4	36.6
84	95.5	66.9	100.3

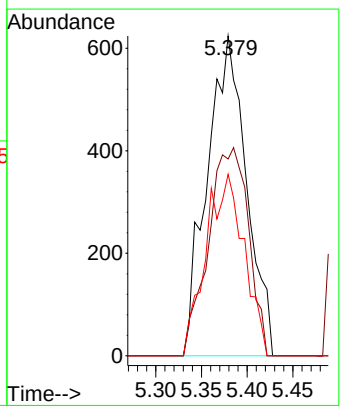


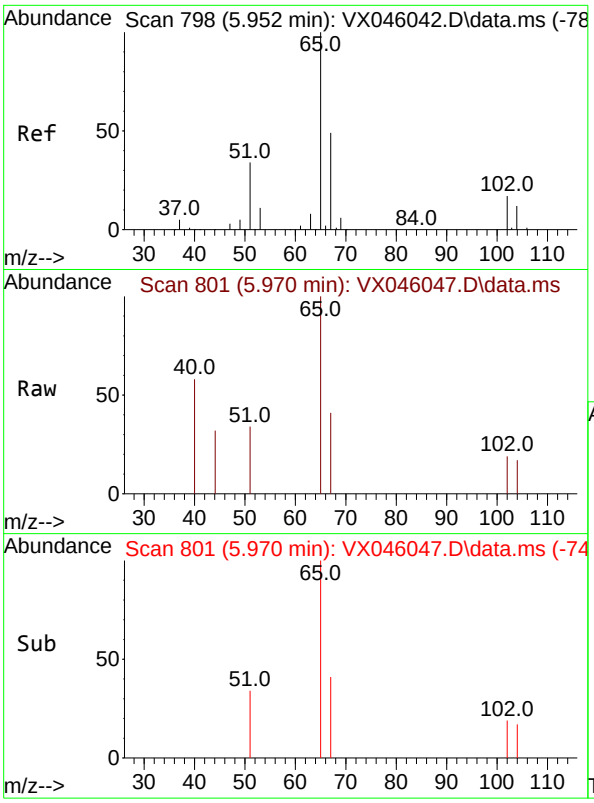


#32
1,1,1-Trichloroethane
Concen: 0.647 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 97 Resp: 1869

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.8	77.6#
61	55.0	40.1	60.1



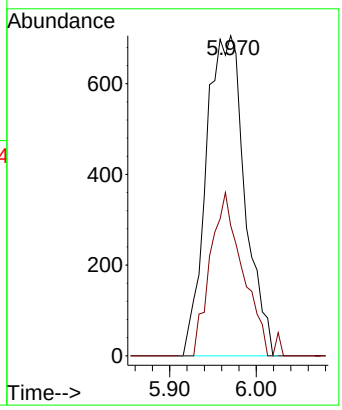


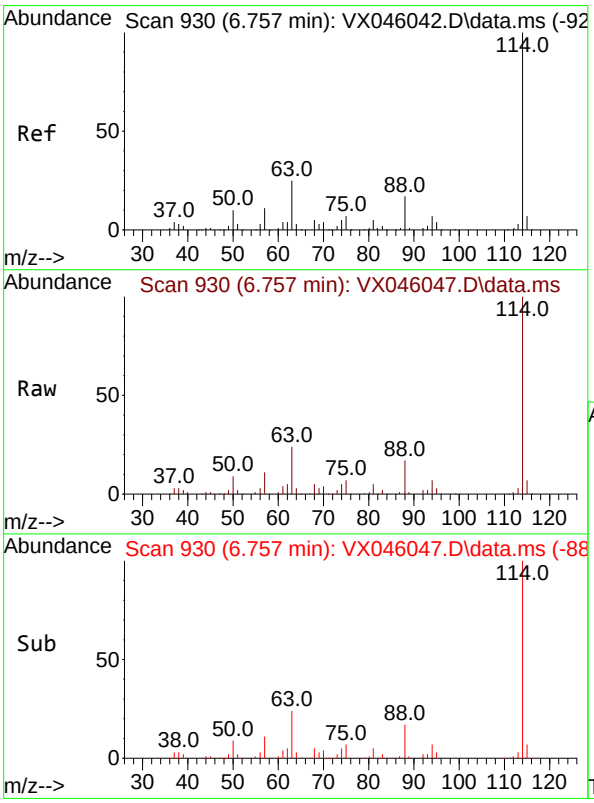
#33
1,2-Dichloroethane-d4
Concen: 0.799 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 2188

Ion	Ratio	Lower	Upper
65	100		
67	42.3	0.0	99.0

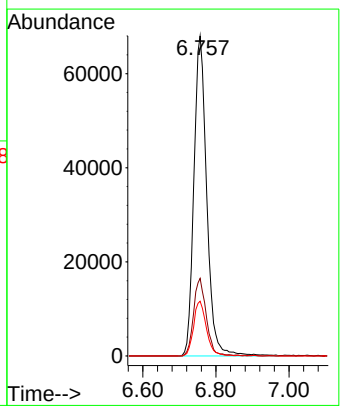


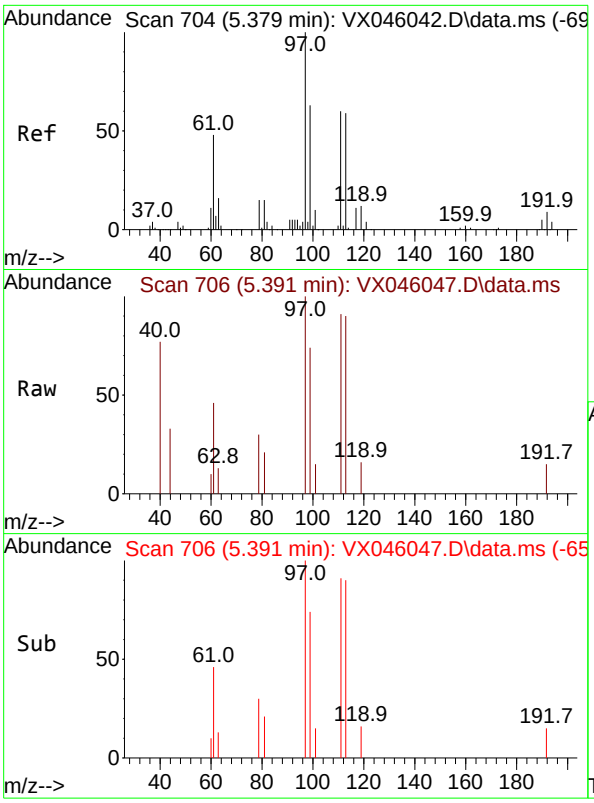


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:114 Resp: 167022

Ion	Ratio	Lower	Upper
114	100		
63	24.2	0.0	49.2
88	17.1	0.0	33.6



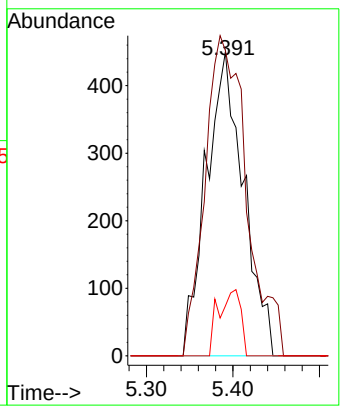


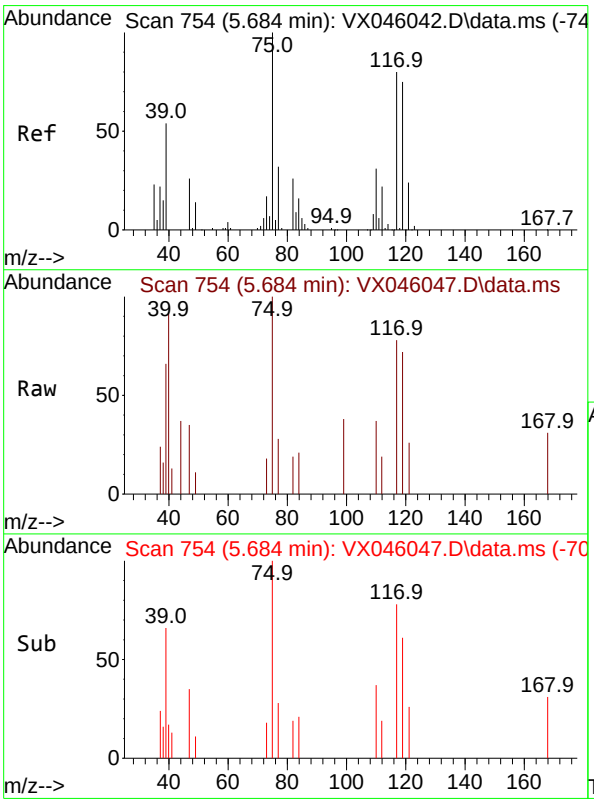
#35
Dibromofluoromethane
Concen: 0.721 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 1350

Ion	Ratio	Lower	Upper
113	100		
111	117.0	83.1	124.7
192	12.8	13.3	19.9#

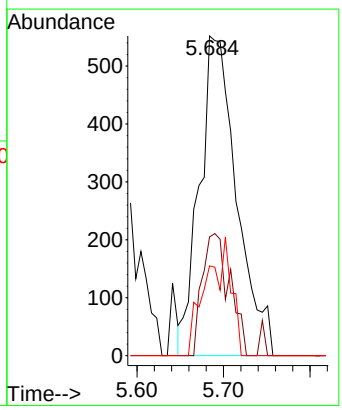


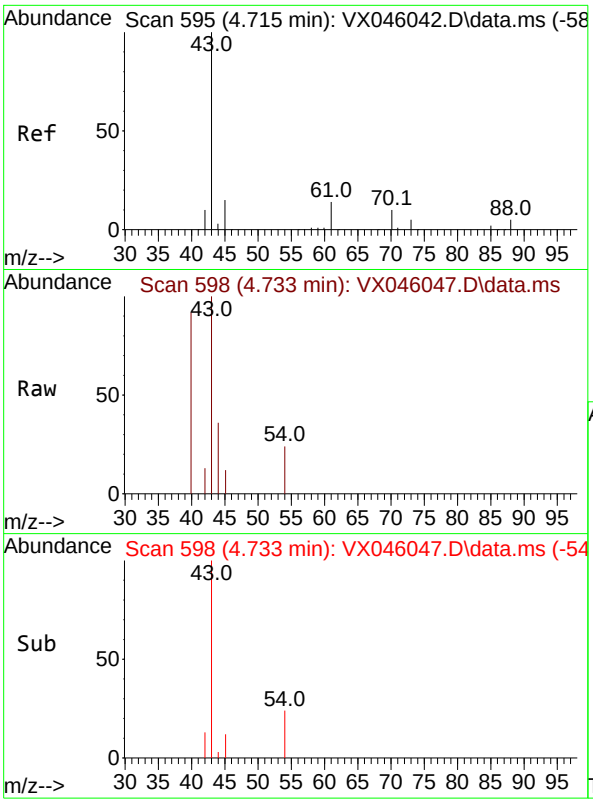


#36
1,1-Dichloropropene
Concen: 0.758 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 1648

Ion	Ratio	Lower	Upper
75	100		
110	28.2	16.3	48.9
77	15.8	24.3	36.5#



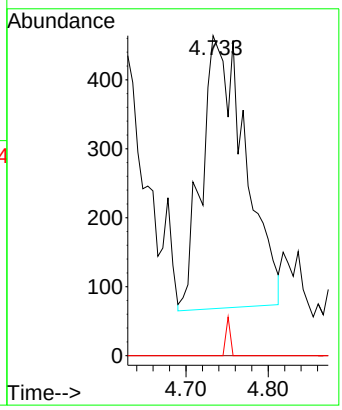


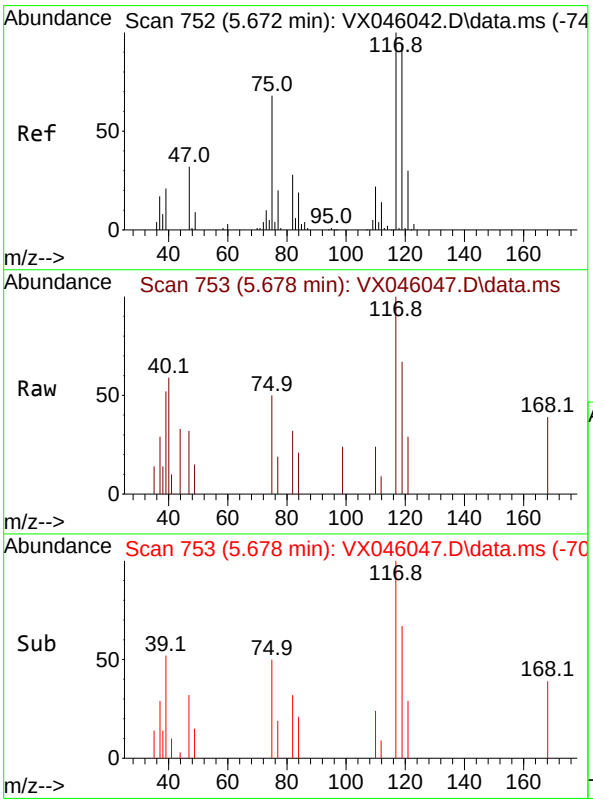
#37
Ethyl Acetate
Concen: 0.531 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 1447

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.3	15.5#
70	1.4	7.9	11.9#

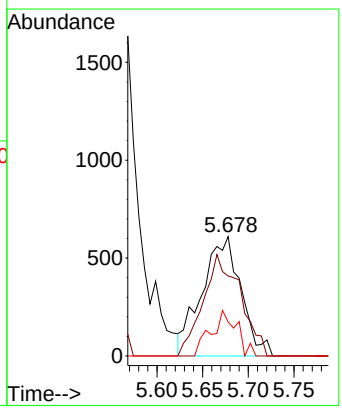


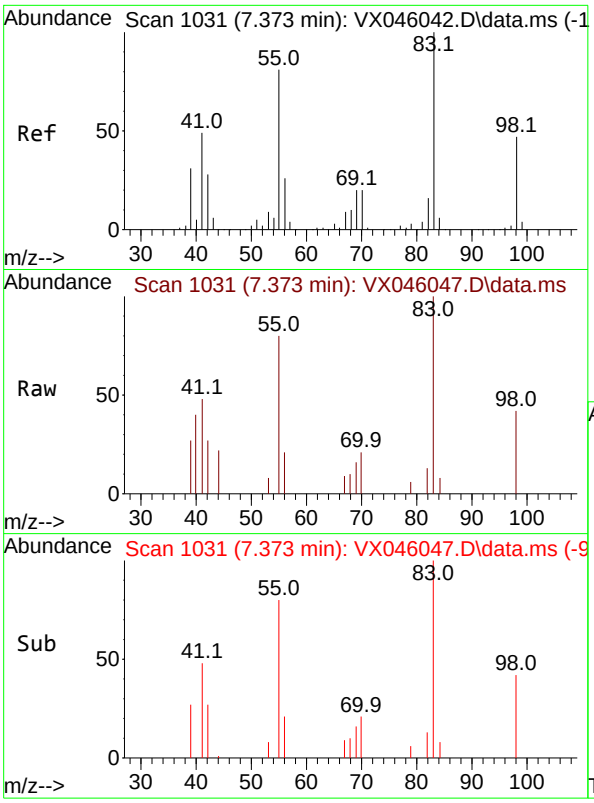


#38
Carbon Tetrachloride
Concen: 0.724 ug/l
RT: 5.678 min Scan# 753
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:117 Resp: 1807

Ion	Ratio	Lower	Upper
117	100		
119	67.0	75.2	112.8#
121	28.5	24.2	36.4



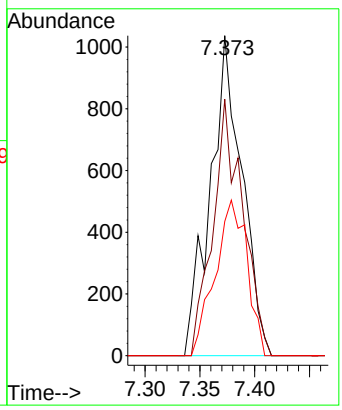


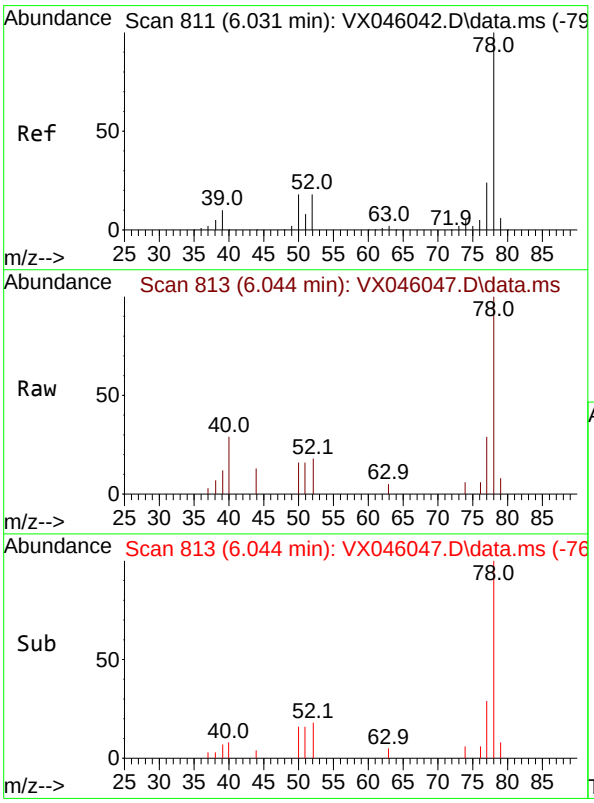
#39
Methylcyclohexane
Concen: 0.770 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 2096

Ion	Ratio	Lower	Upper
83	100		
55	80.1	64.7	97.1
98	41.9	37.4	56.2

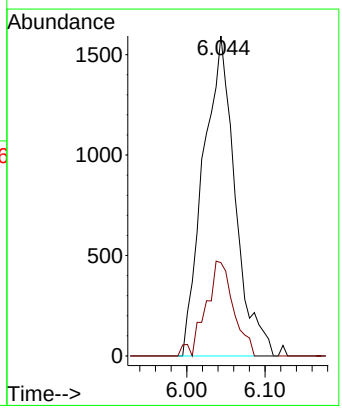


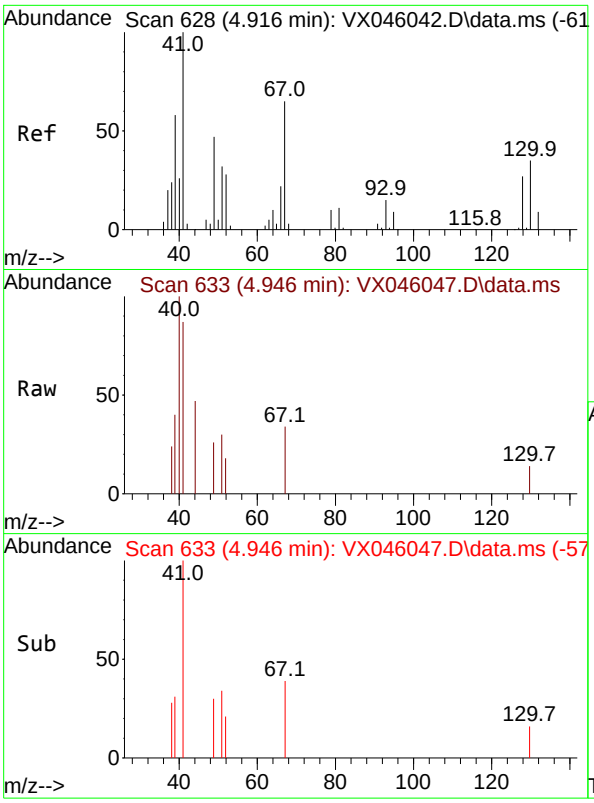


#40
Benzene
Concen: 0.668 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 78 Resp: 4502

Ion	Ratio	Lower	Upper
78	100		
77	29.1	19.0	28.4#



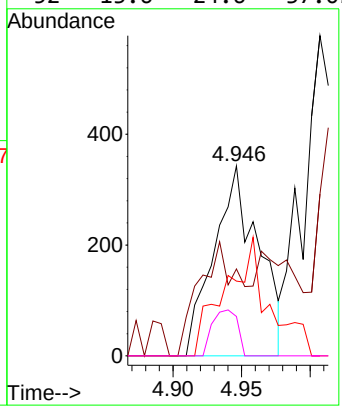


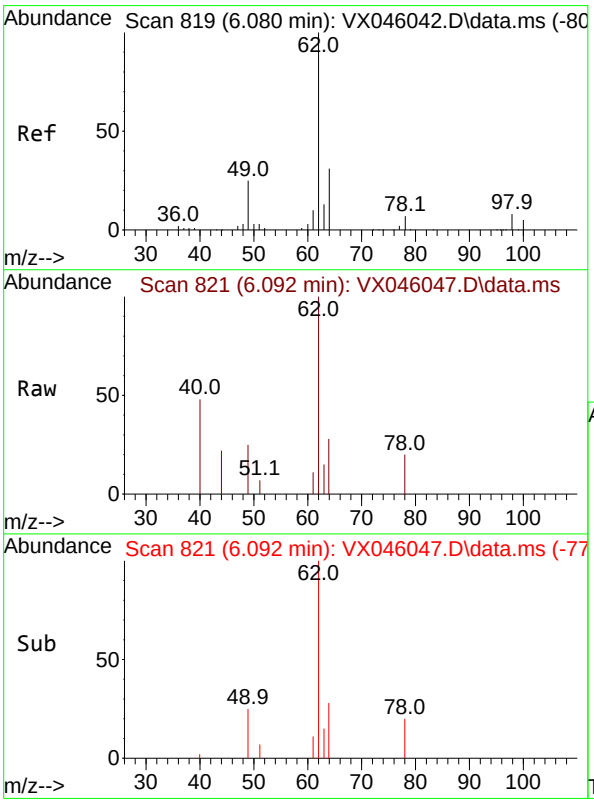
#41
Methacrylonitrile
Concen: 0.513 ug/l
RT: 4.946 min Scan# 6
Delta R.T. 0.030 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 778

Ion	Ratio	Lower	Upper
41	100		
39	51.7	47.2	70.8
67	0.0	50.7	76.1#
52	13.6	24.6	37.0#

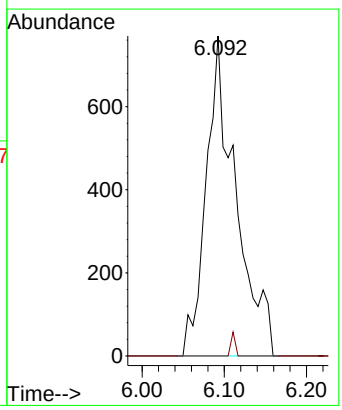


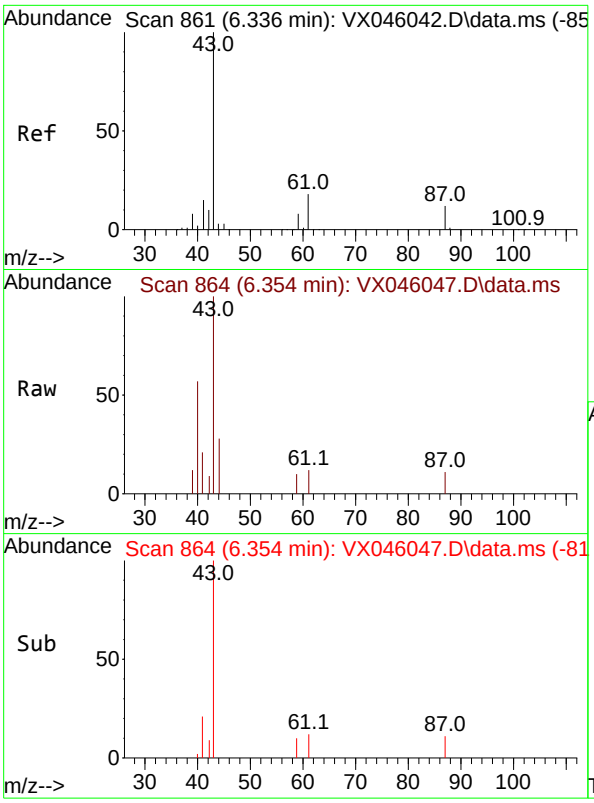


#42
1,2-Dichloroethane
Concen: 0.694 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 62 Resp: 1934

Ion	Ratio	Lower	Upper
62	100		
98	1.1	0.0	15.2



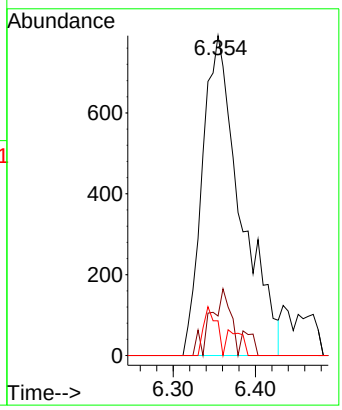


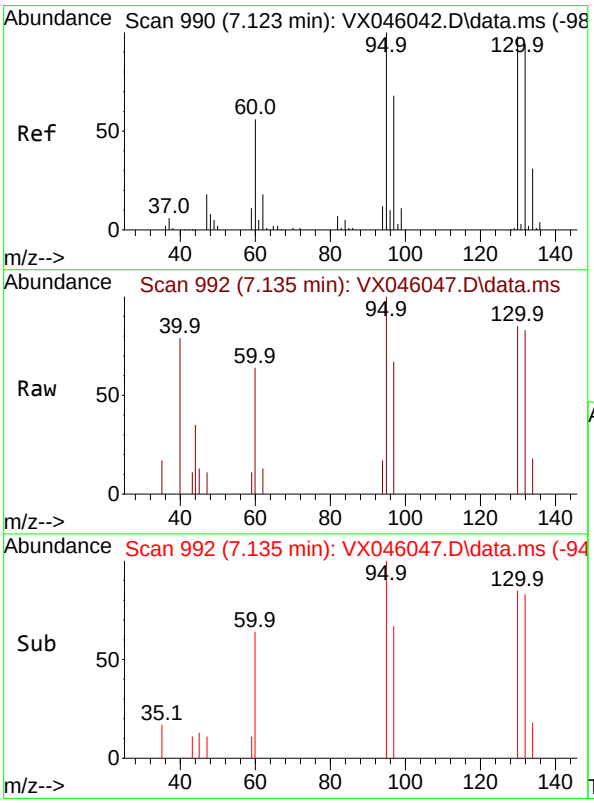
#43
Isopropyl Acetate
Concen: 0.612 ug/l
RT: 6.354 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 2553

Ion	Ratio	Lower	Upper
43	100		
61	10.7	14.3	21.5#
87	3.2	9.5	14.3#

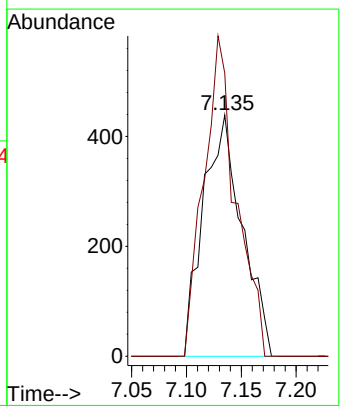


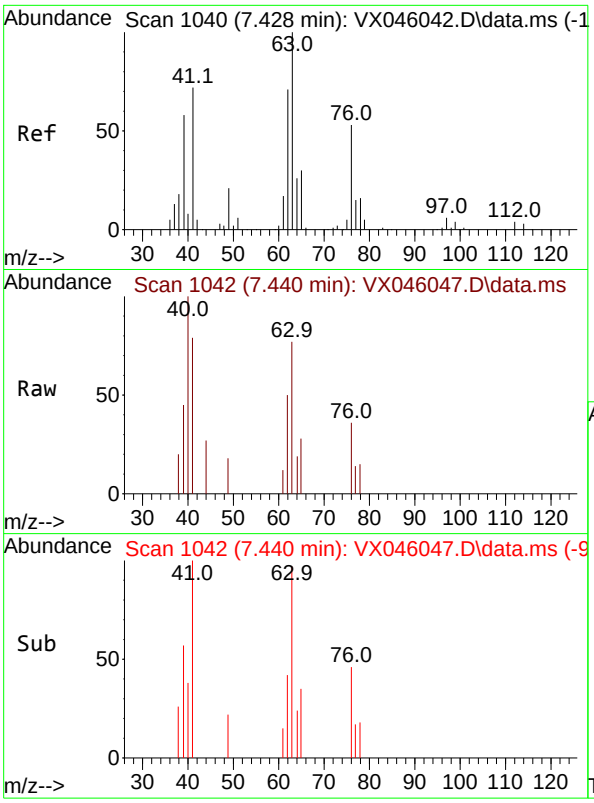


#44
Trichloroethene
Concen: 0.680 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:130 Resp: 1083

Ion	Ratio	Lower	Upper
130	100		
95	117.3	0.0	204.2



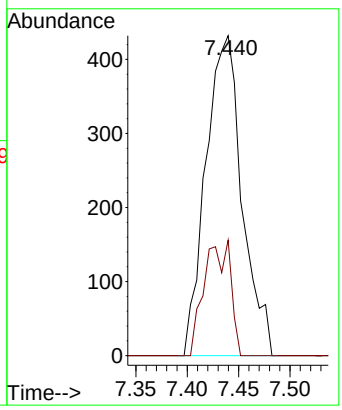


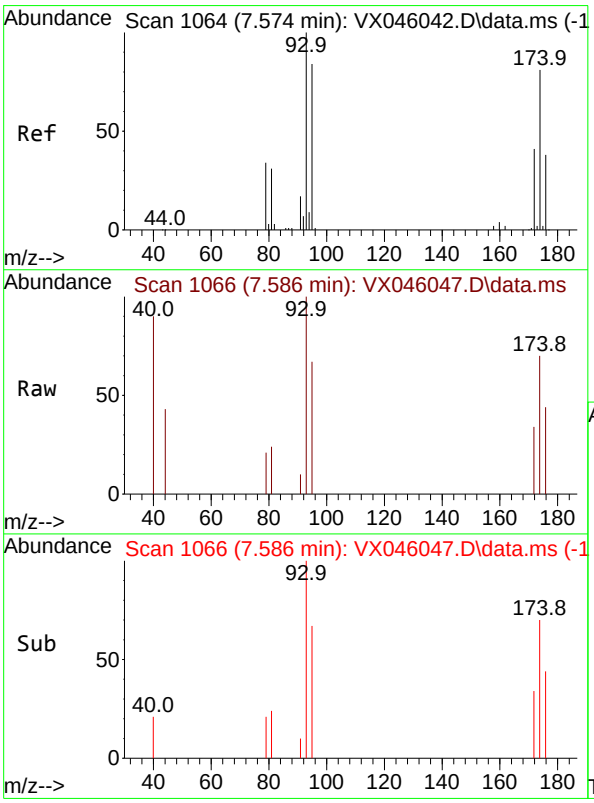
#45
1,2-Dichloropropane
Concen: 0.633 ug/l
RT: 7.440 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 1059

Ion	Ratio	Lower	Upper
63	100		
65	36.1	24.1	36.1

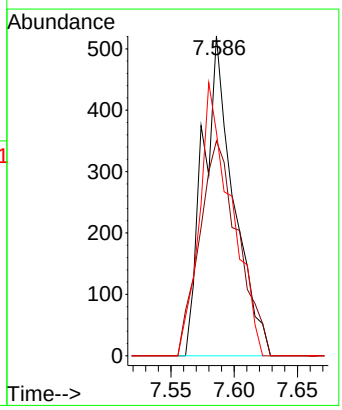


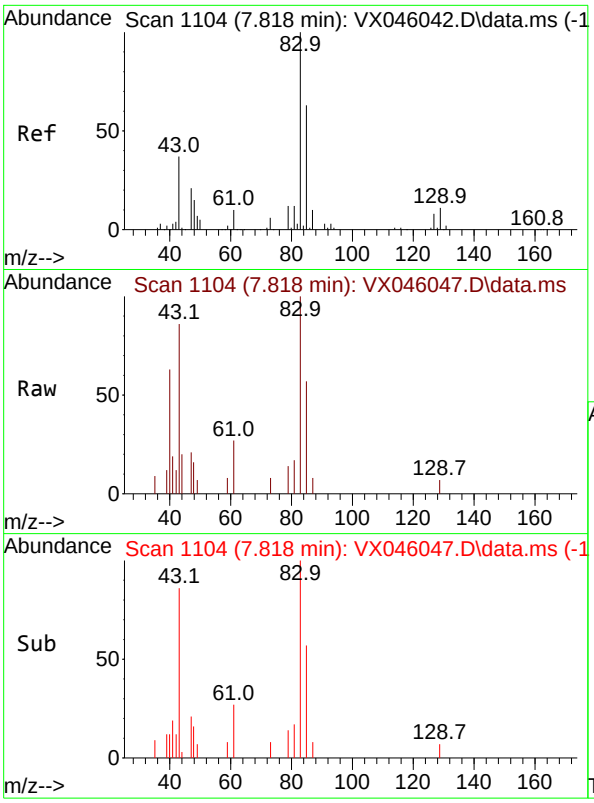


#46
Dibromomethane
Concen: 0.667 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 93 Resp: 880

Ion	Ratio	Lower	Upper
93	100		
95	84.5	65.6	98.4
174	88.5	68.2	102.2



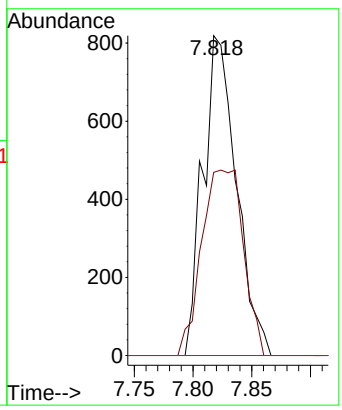


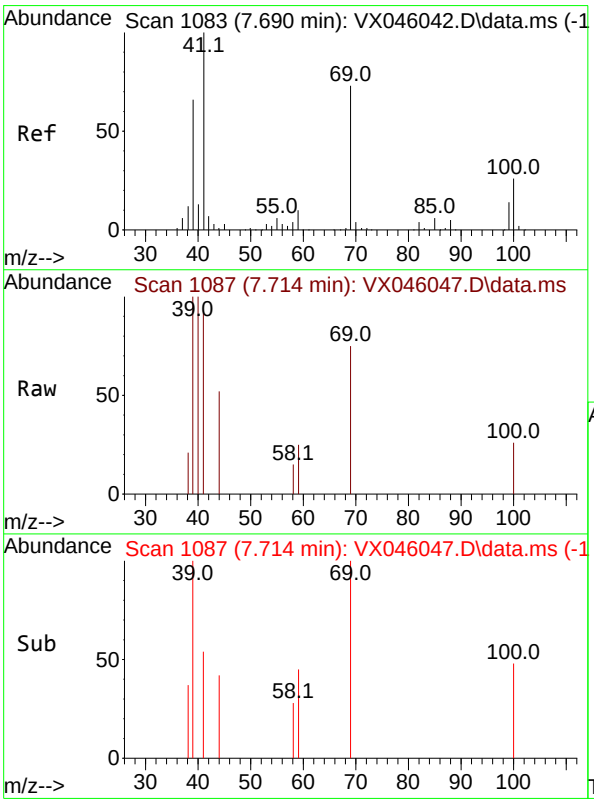
#47
Bromodichloromethane
Concen: 0.633 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1620

Ion	Ratio	Lower	Upper
83	100		
85	57.3	50.5	75.7
127	0.0	6.5	9.7#

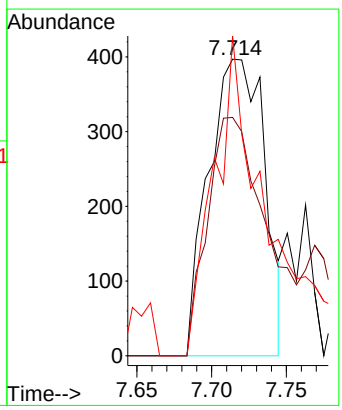


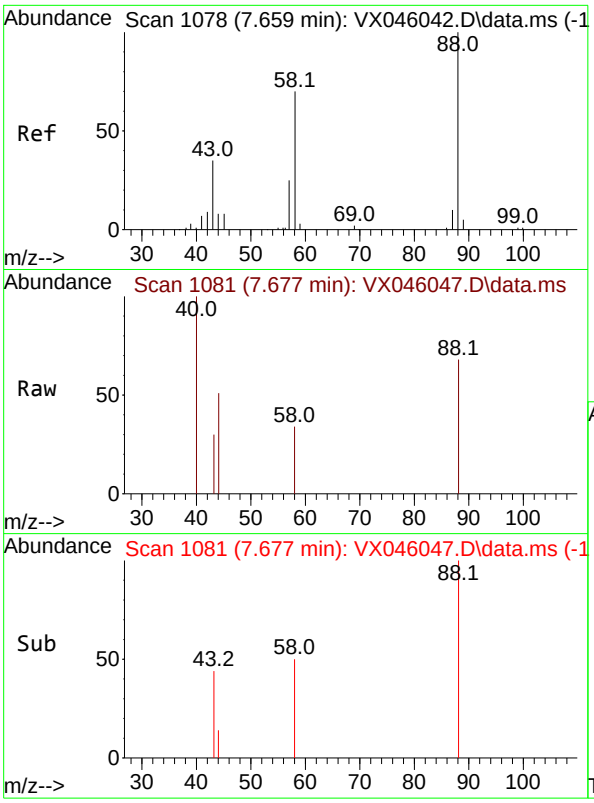


#48
Methyl methacrylate
Concen: 0.483 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.024 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 41 Resp: 1033

Ion	Ratio	Lower	Upper
41	100		
69	84.4	58.5	87.7
39	101.4	51.7	77.5#



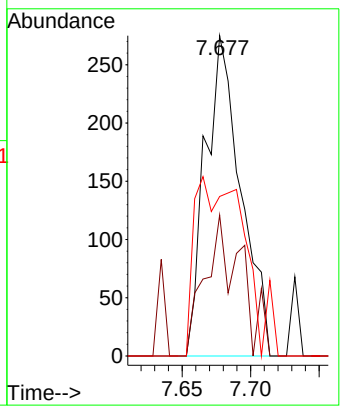


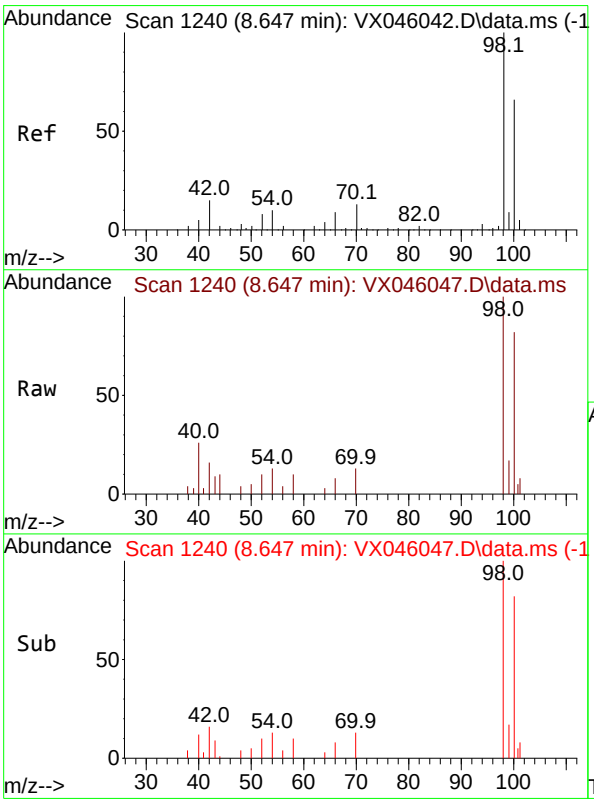
#49
1,4-Dioxane
Concen: 11.703 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 498

Ion	Ratio	Lower	Upper
88	100		
43	44.4	33.4	50.2
58	30.3	58.6	88.0#

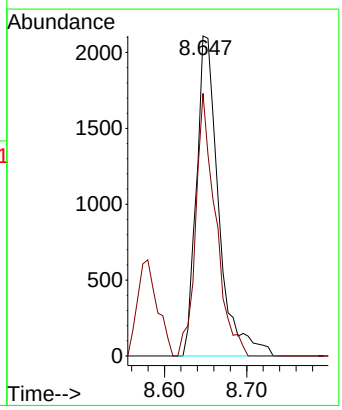


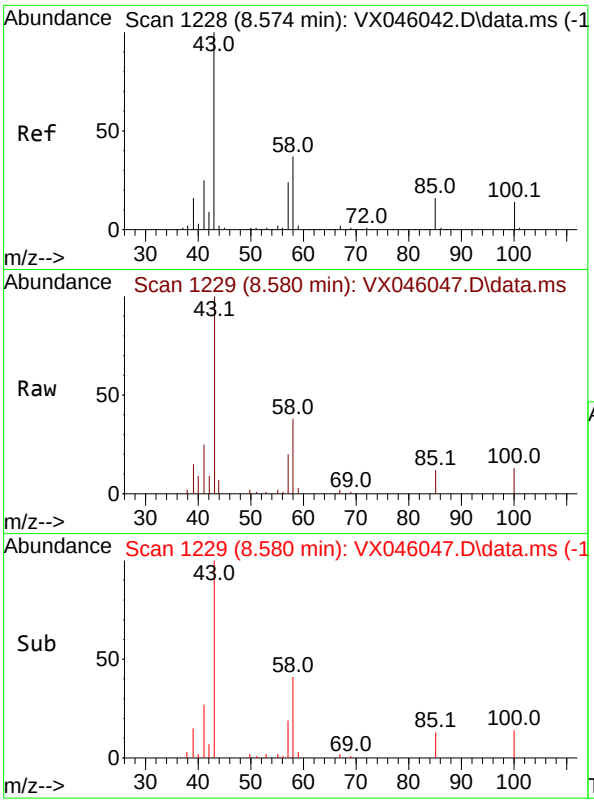


#50
Toluene-d8
Concen: 0.628 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 98 Resp: 3964

Ion	Ratio	Lower	Upper
98	100		
100	73.5	53.5	80.3



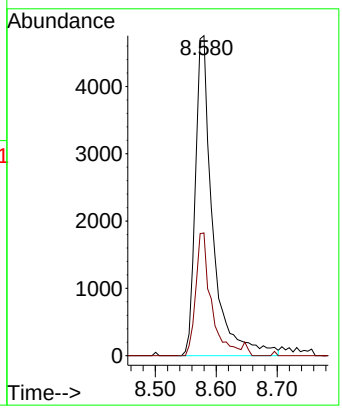


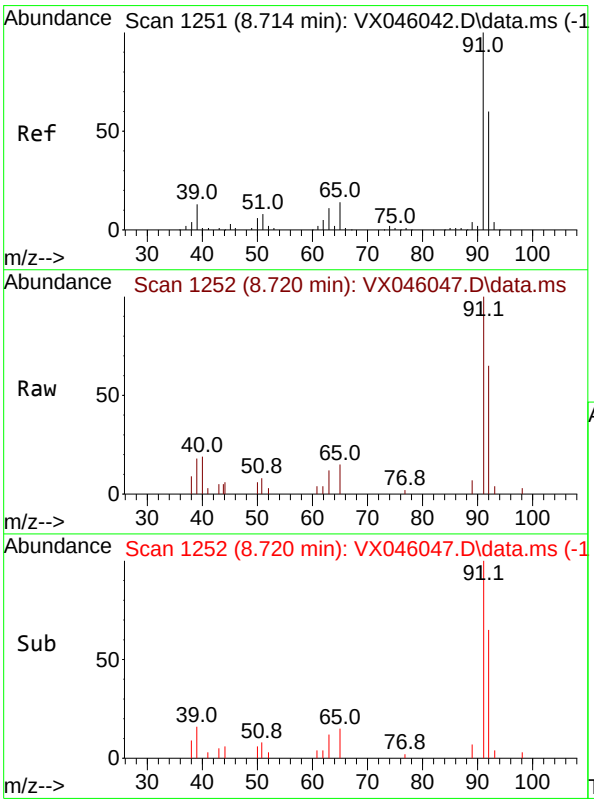
#51
4-Methyl-2-Pentanone
Concen: 3.430 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 9378

Ion	Ratio	Lower	Upper
43	100		
58	34.4	28.9	43.3

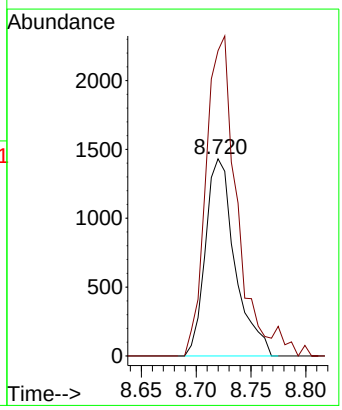


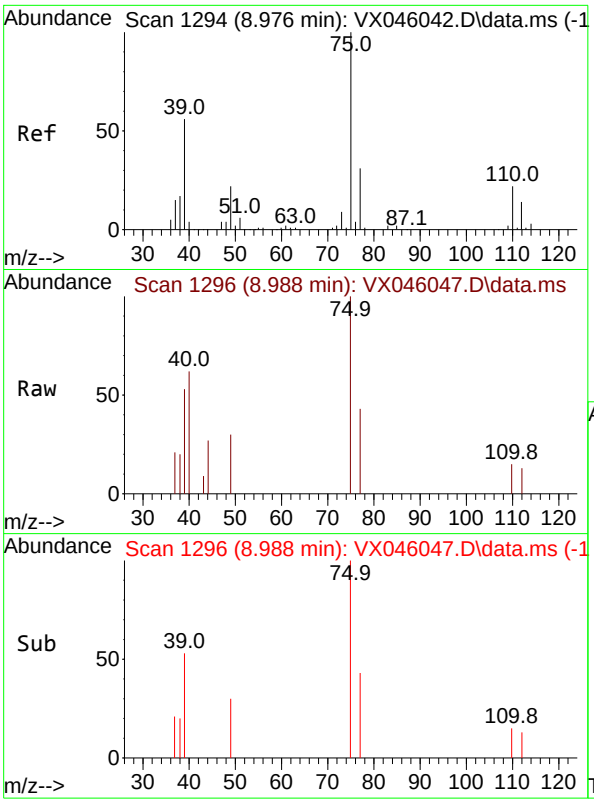


#52
Toluene
Concen: 0.672 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 92 Resp: 2684

Ion	Ratio	Lower	Upper
92	100		
91	165.7	136.6	205.0



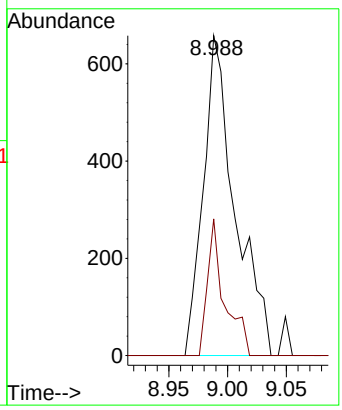


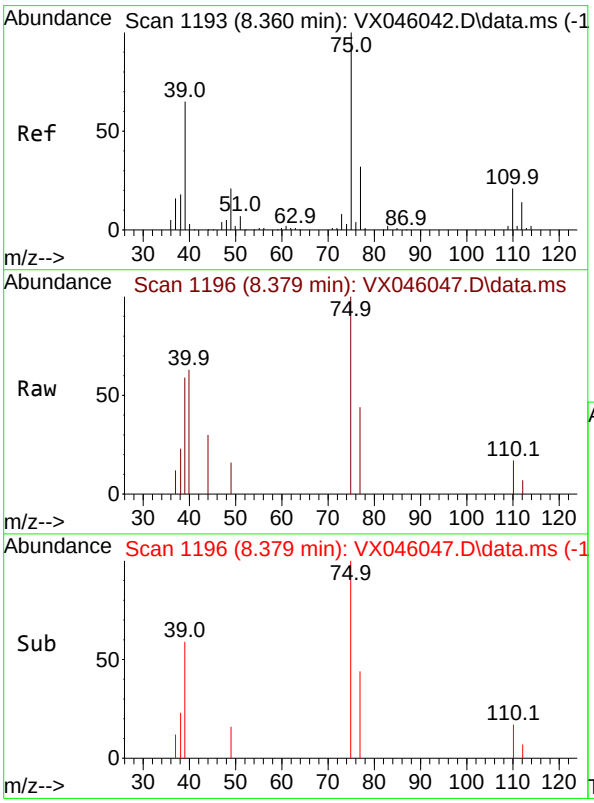
#53
t-1,3-Dichloropropene
Concen: 0.576 ug/l
RT: 8.988 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1238

Ion	Ratio	Lower	Upper
75	100		
77	42.7	25.0	37.6#

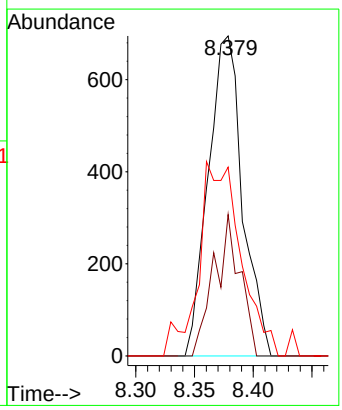


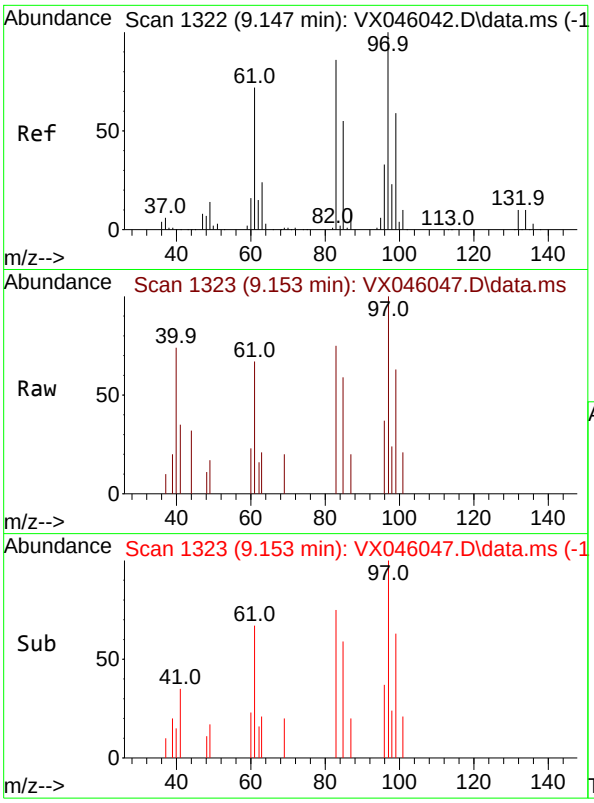


#54
cis-1,3-Dichloropropene
Concen: 0.564 ug/l
RT: 8.379 min Scan# 1196
Delta R.T. 0.018 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 1414

Ion	Ratio	Lower	Upper
75	100		
77	44.2	25.4	38.0#
39	59.0	52.2	78.4



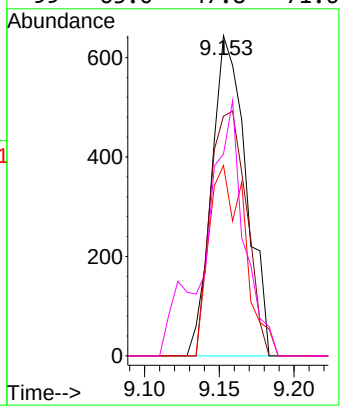


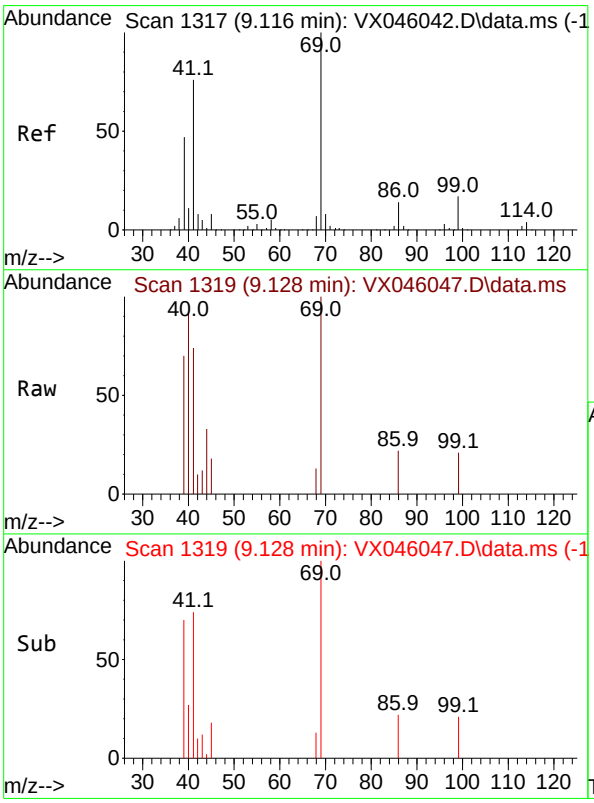
#55
1,1,2-Trichloroethane
Concen: 0.637 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 1029

Ion	Ratio	Lower	Upper
97	100		
83	74.8	69.0	103.6
85	59.5	44.3	66.5
99	63.0	47.8	71.6

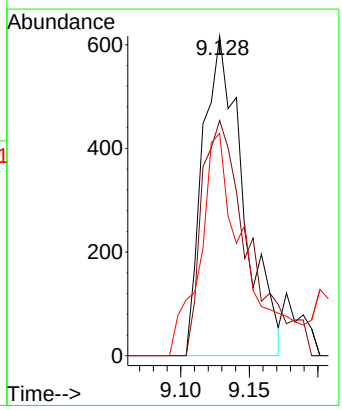


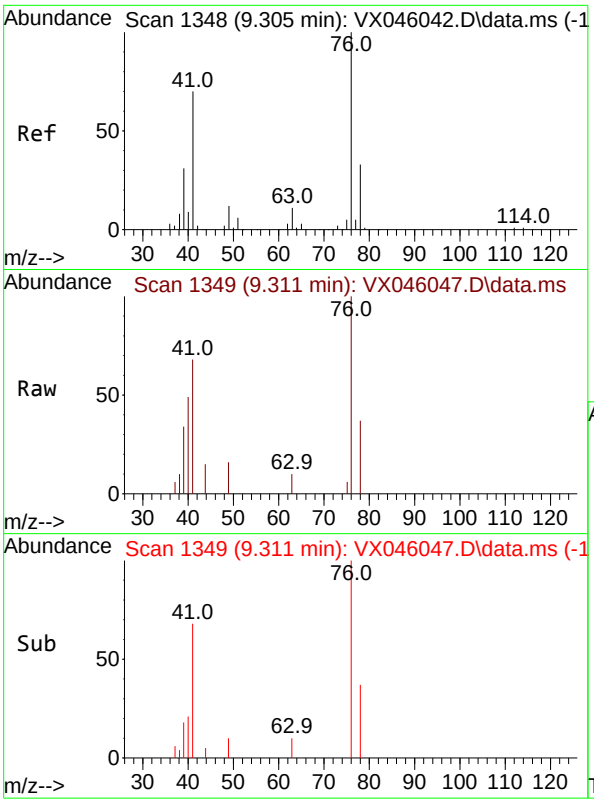


#56
Ethyl methacrylate
Concen: 0.504 ug/l
RT: 9.128 min Scan# 1319
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 69 Resp: 1260

Ion	Ratio	Lower	Upper
69	100		
41	86.6	60.8	91.2
39	78.0	39.0	58.6#



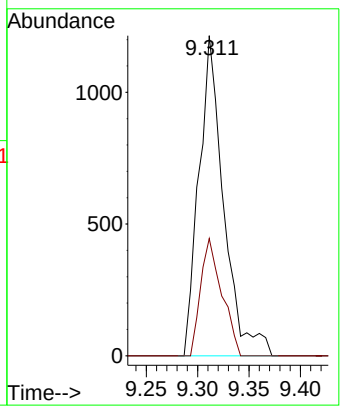


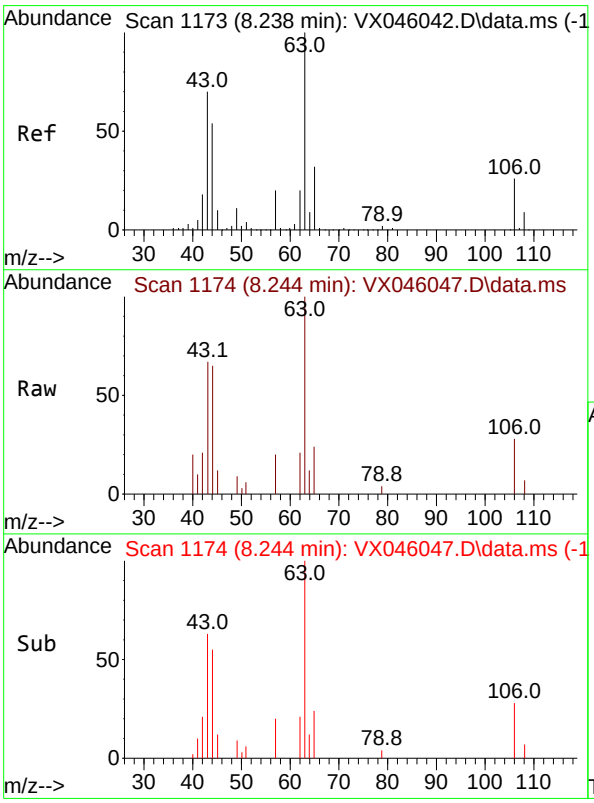
#57
1,3-Dichloropropane
Concen: 0.711 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 2036

Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.3	39.5

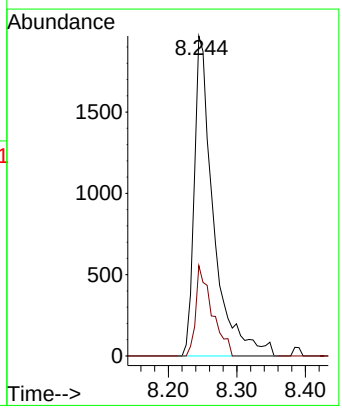


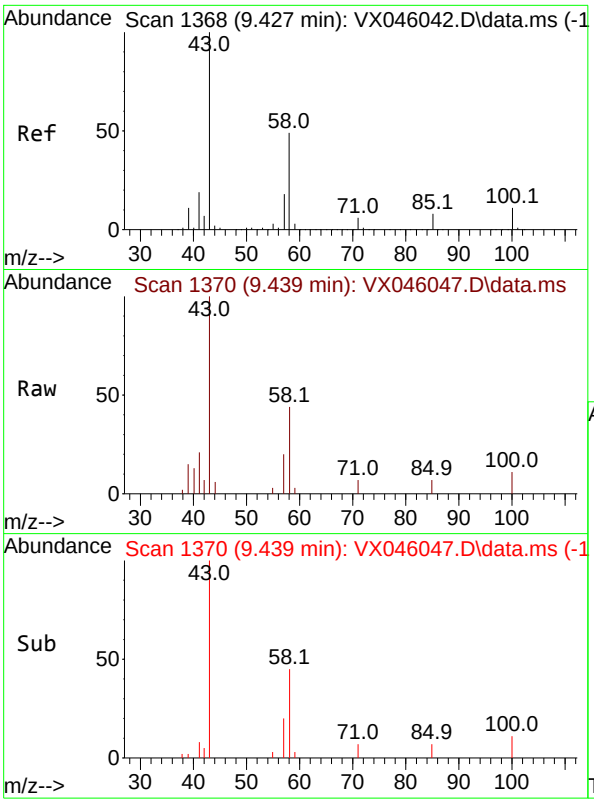


#58
2-Chloroethyl Vinyl ether
Concen: 3.420 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 63 Resp: 3846

Ion	Ratio	Lower	Upper
63	100		
106	24.0	21.5	32.3



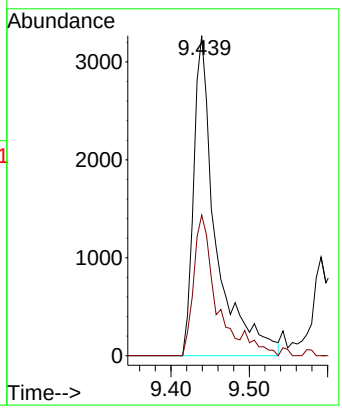


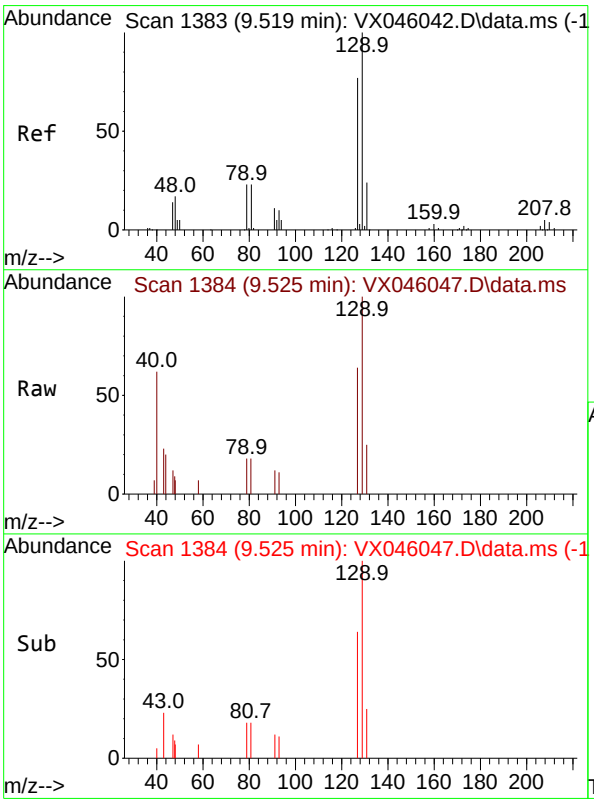
#59
2-Hexanone
Concen: 3.096 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6424

Ion	Ratio	Lower	Upper
43	100		
58	41.6	24.9	74.6

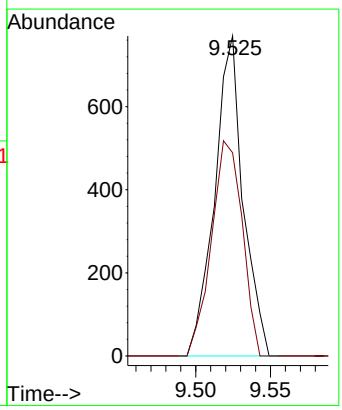


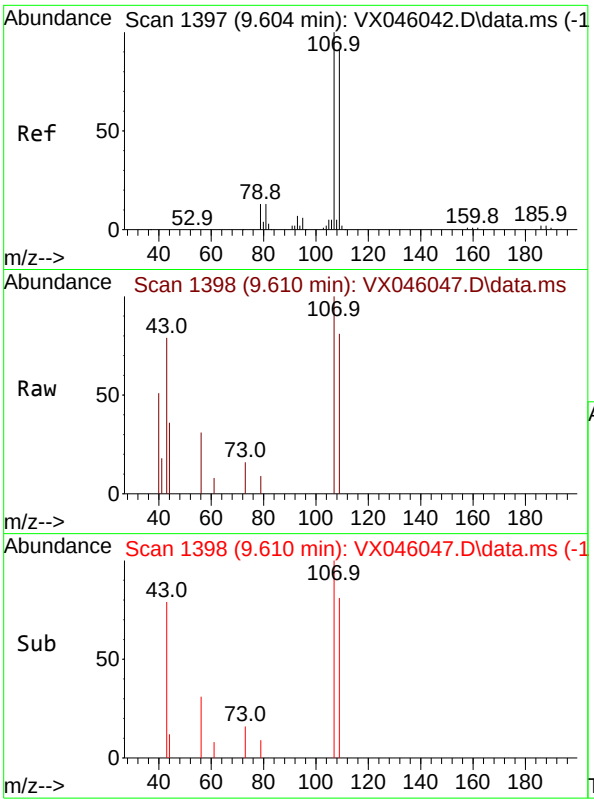


#60
Dibromochloromethane
Concen: 0.582 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:129 Resp: 1023

Ion	Ratio	Lower	Upper
129	100		
127	72.5	39.3	117.8



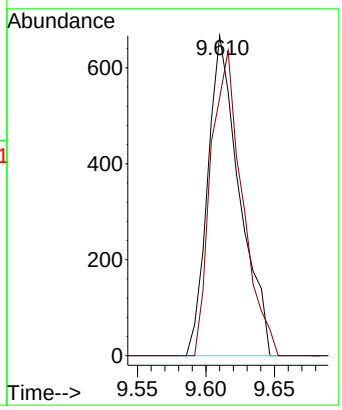


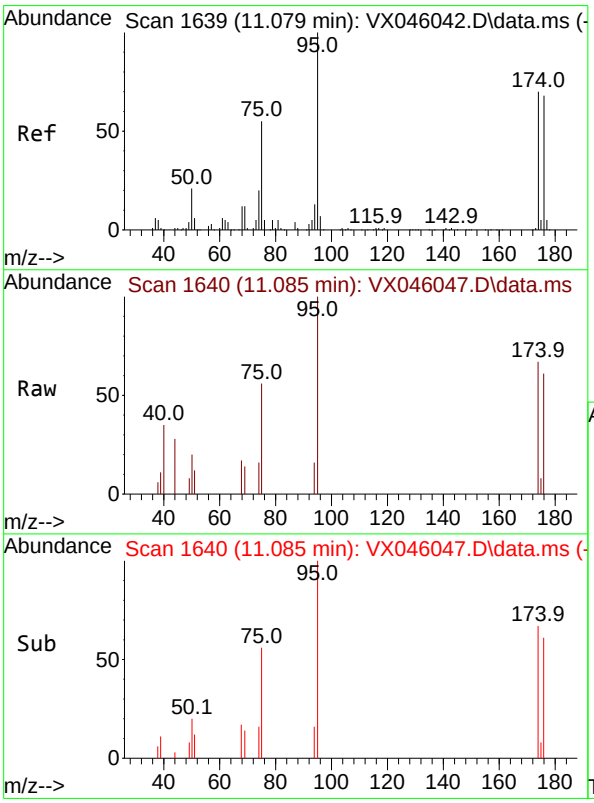
#61
1,2-Dibromoethane
Concen: 0.650 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 1077

Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.3	109.9

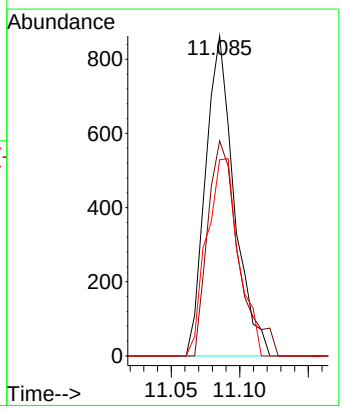


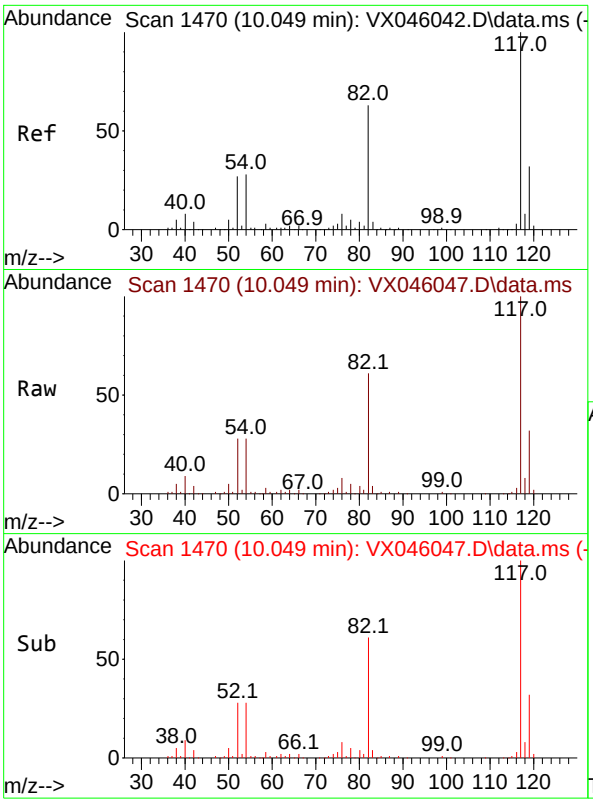


#62
4-Bromofluorobenzene
Concen: 0.545 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 95 Resp: 1250

Ion	Ratio	Lower	Upper
95	100		
174	72.2	0.0	135.8
176	68.9	0.0	131.4



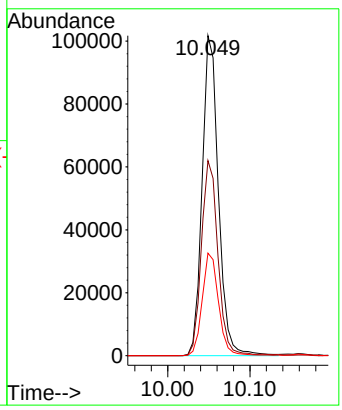


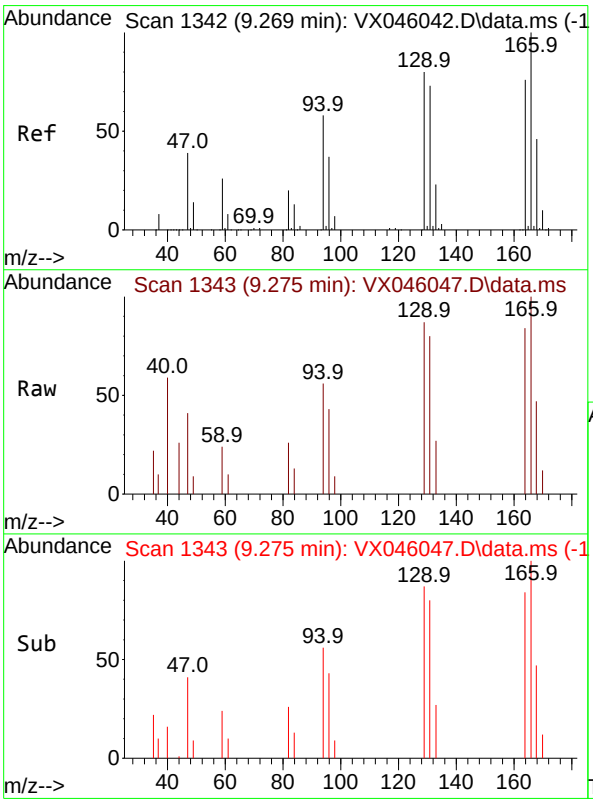
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 140108

Ion	Ratio	Lower	Upper
117	100		
82	61.0	50.6	76.0
119	32.1	25.8	38.6

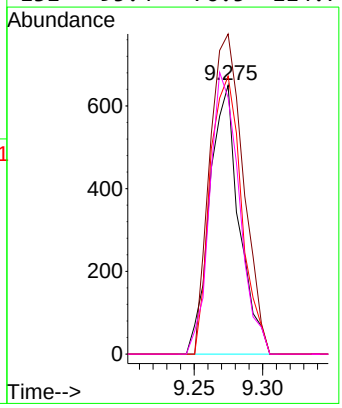


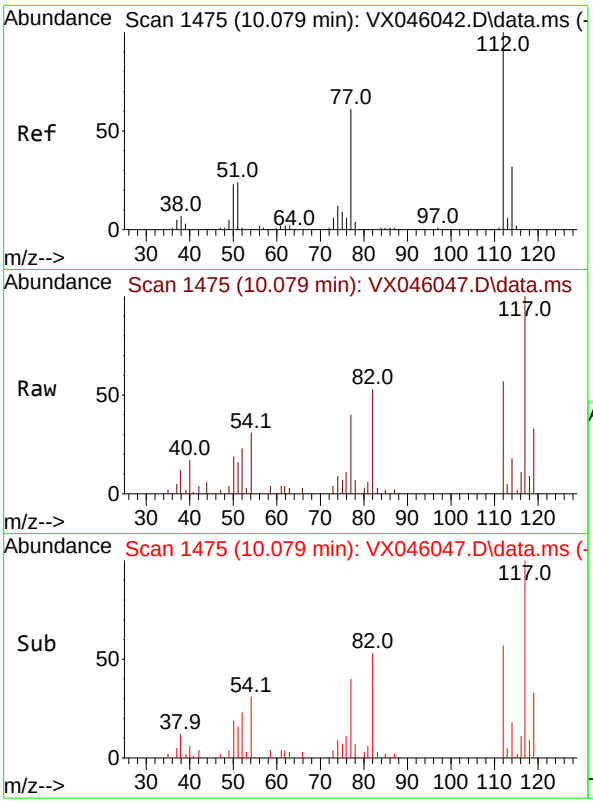


#64
Tetrachloroethene
Concen: 0.679 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:164 Resp: 972

Ion	Ratio	Lower	Upper
164	100		
166	119.1	105.0	157.6
129	103.4	83.5	125.3
131	95.4	76.5	114.7



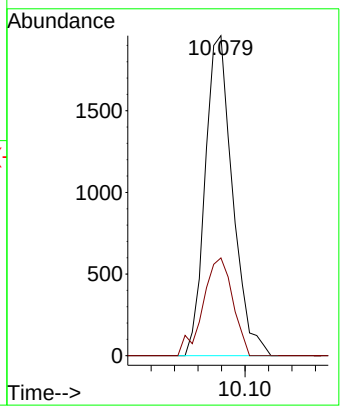


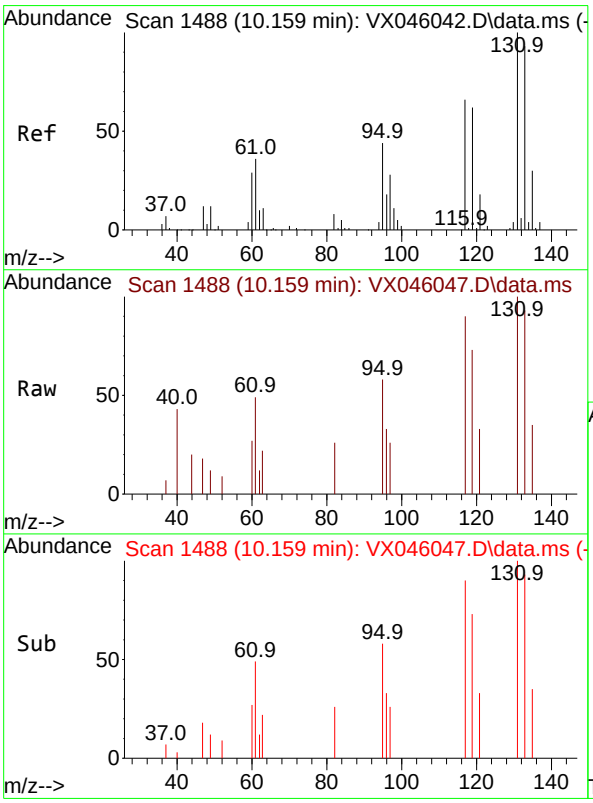
#65
Chlorobenzene
Concen: 0.735 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 3170

Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.4	38.2

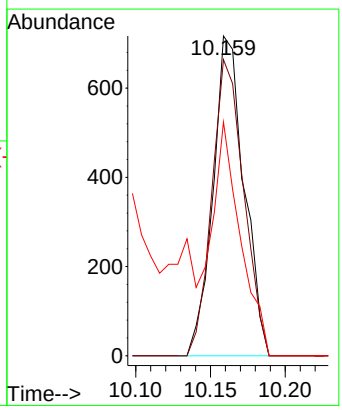


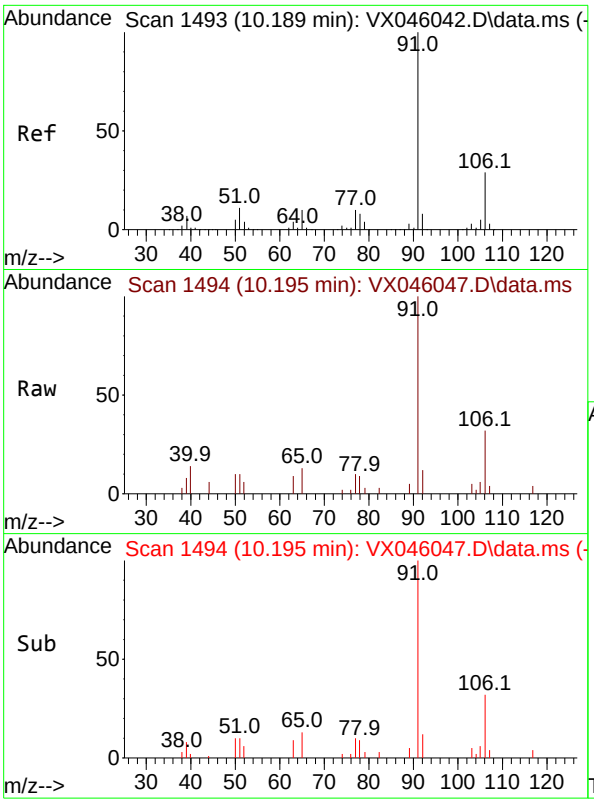


#66
1,1,1,2-Tetrachloroethane
Concen: 0.720 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:131 Resp: 1035

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	0.0	31.6	95.0#



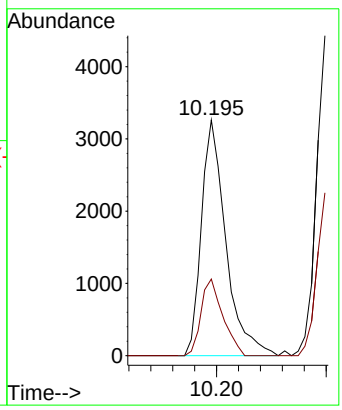


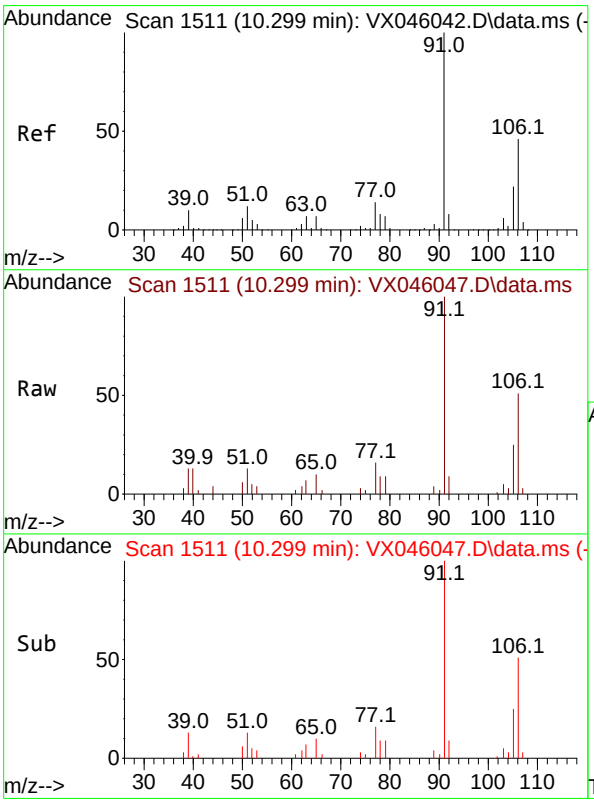
#67
Ethyl Benzene
Concen: 0.687 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 5052

Ion	Ratio	Lower	Upper
91	100		
106	32.5	23.4	35.2

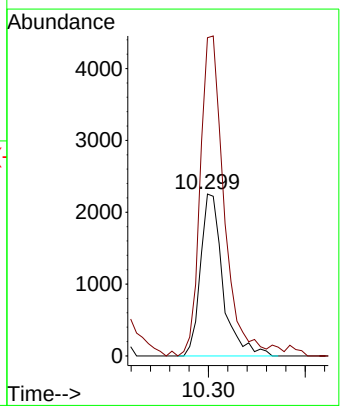


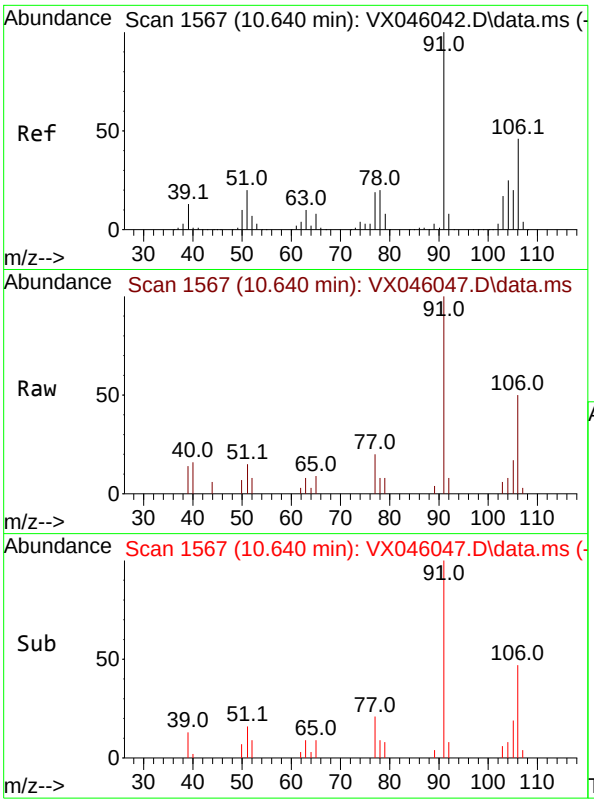


#68
m/p-Xylenes
Concen: 1.367 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:106 Resp: 3630

Ion	Ratio	Lower	Upper
106	100		
91	209.8	171.2	256.8



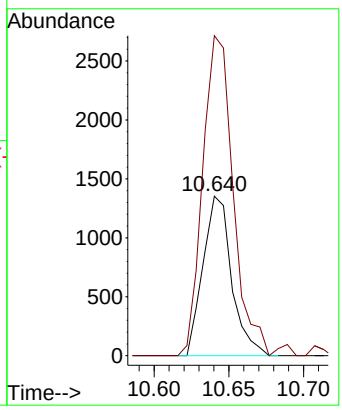


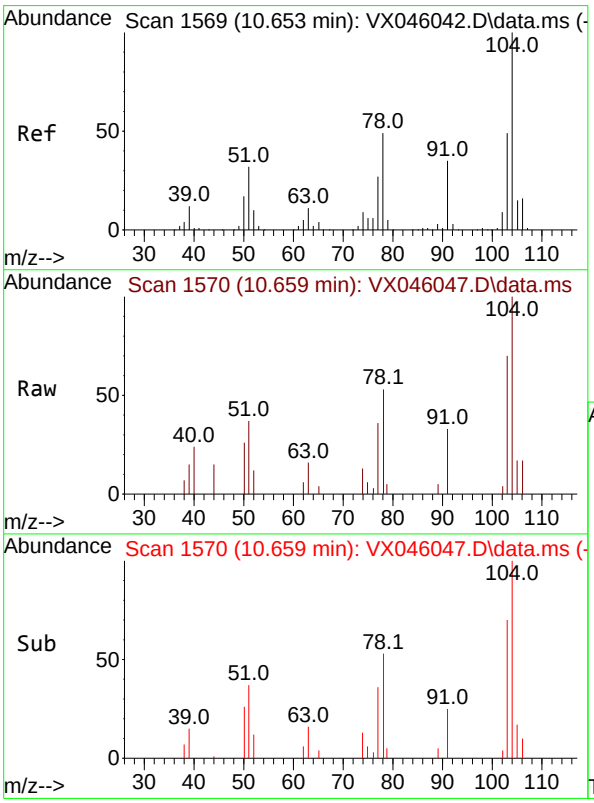
#69
o-Xylene
Concen: 0.672 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 1799

Ion	Ratio	Lower	Upper
106	100		
91	214.9	112.7	338.1

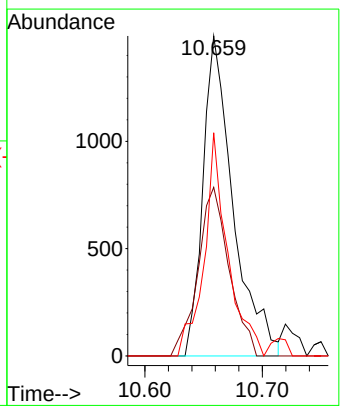


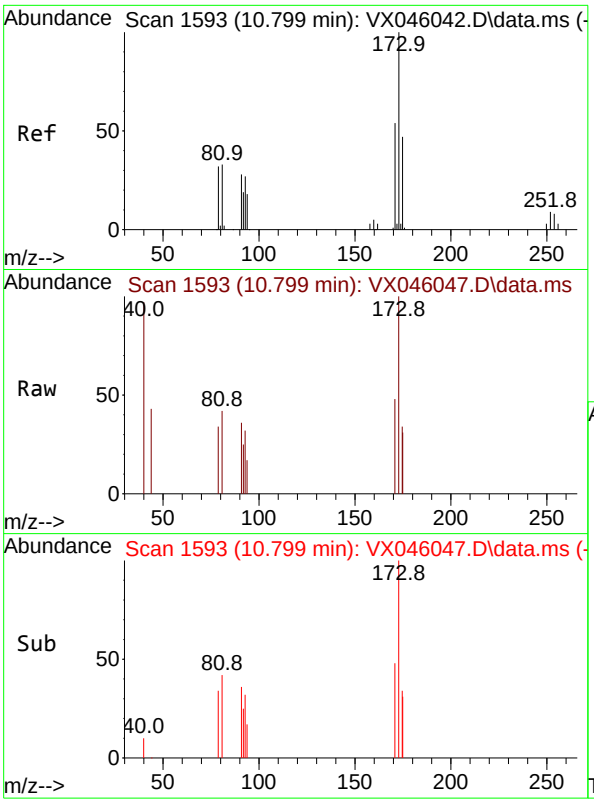


#70
Styrene
Concen: 0.622 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:104 Resp: 2664

Ion	Ratio	Lower	Upper
104	100		
78	54.3	45.7	68.5
103	53.9	43.7	65.5



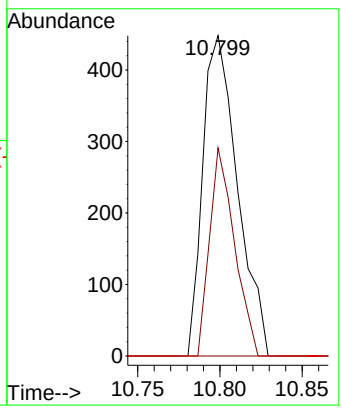


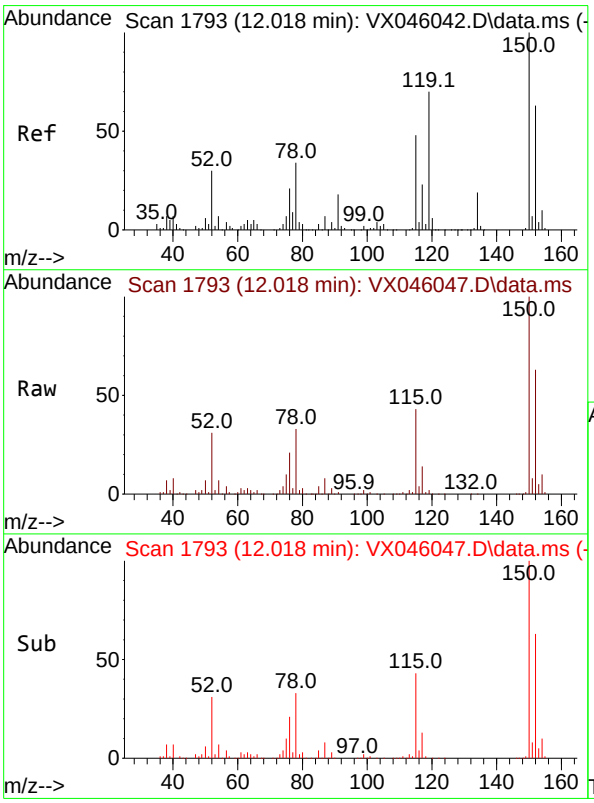
#71
Bromoform
Concen: 0.608 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 657

Ion	Ratio	Lower	Upper
173	100		
175	46.6	23.4	70.0
254	0.0	0.0	0.0

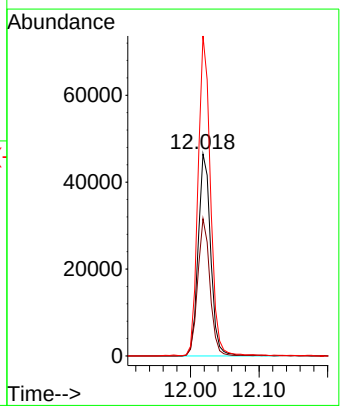


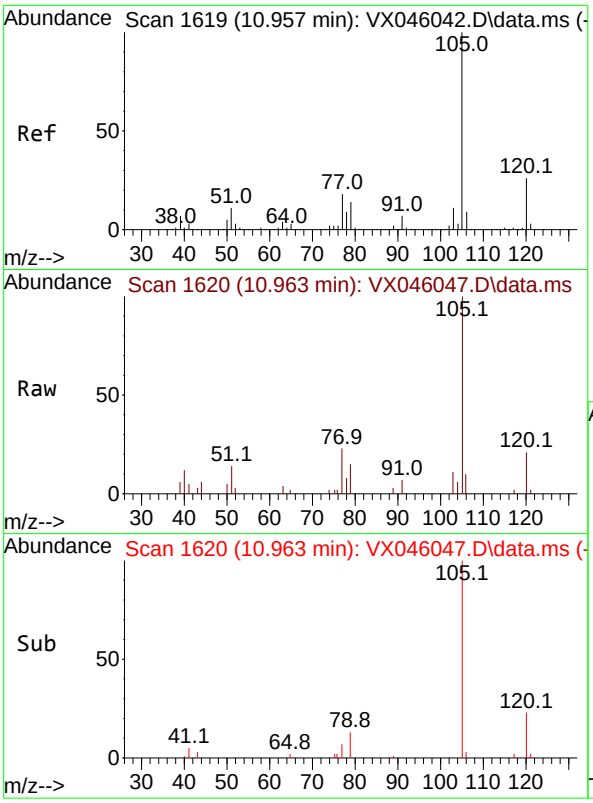


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:152 Resp: 59123

Ion	Ratio	Lower	Upper
152	100		
115	66.6	46.9	140.7
150	156.3	0.0	351.0



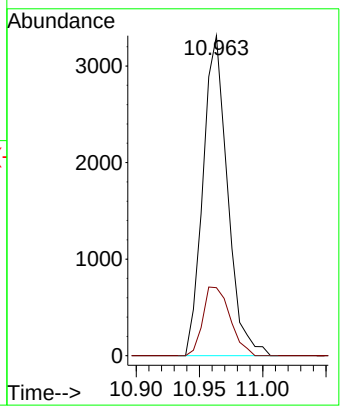


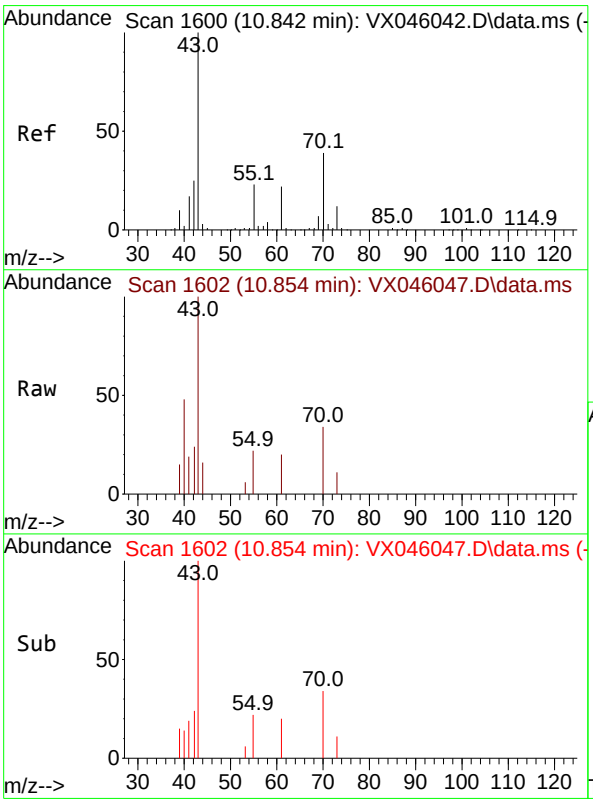
#73
Isopropylbenzene
Concen: 0.695 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 4480

Ion	Ratio	Lower	Upper
105	100		
120	23.7	12.8	38.4

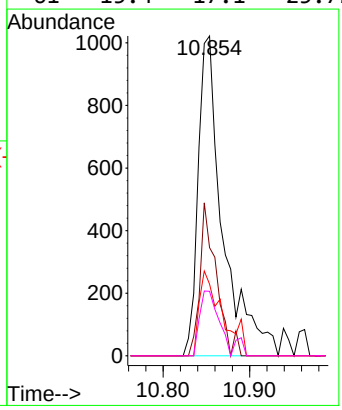


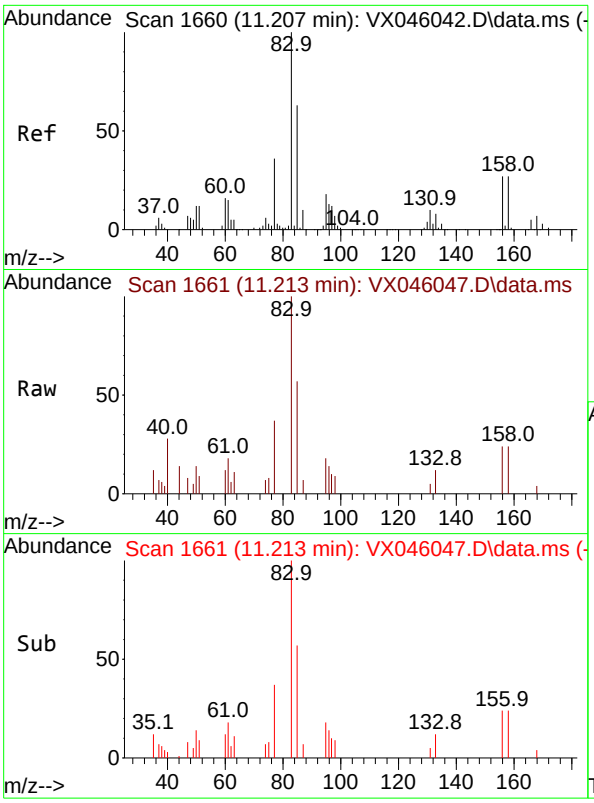


#74
N-amyl acetate
Concen: 0.631 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 43 Resp: 2028

Ion	Ratio	Lower	Upper
43	100		
70	31.5	30.9	46.3
55	24.5	18.7	28.1
61	15.4	17.1	25.7#



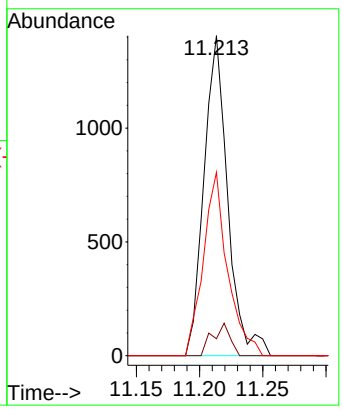


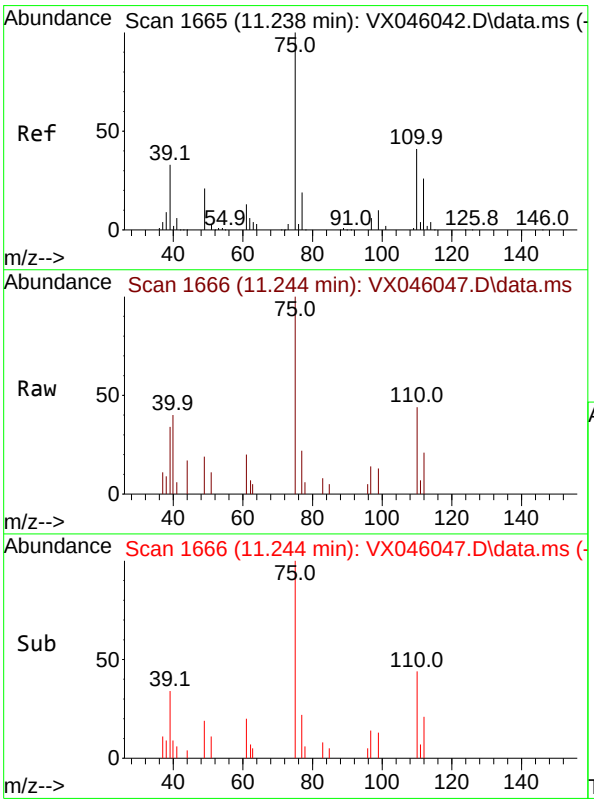
#75
1,1,2,2-Tetrachloroethane
Concen: 0.800 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 1835

Ion	Ratio	Lower	Upper
83	100		
131	7.5	5.0	14.9
85	58.7	31.9	95.7

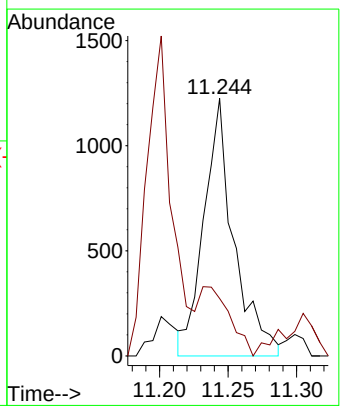


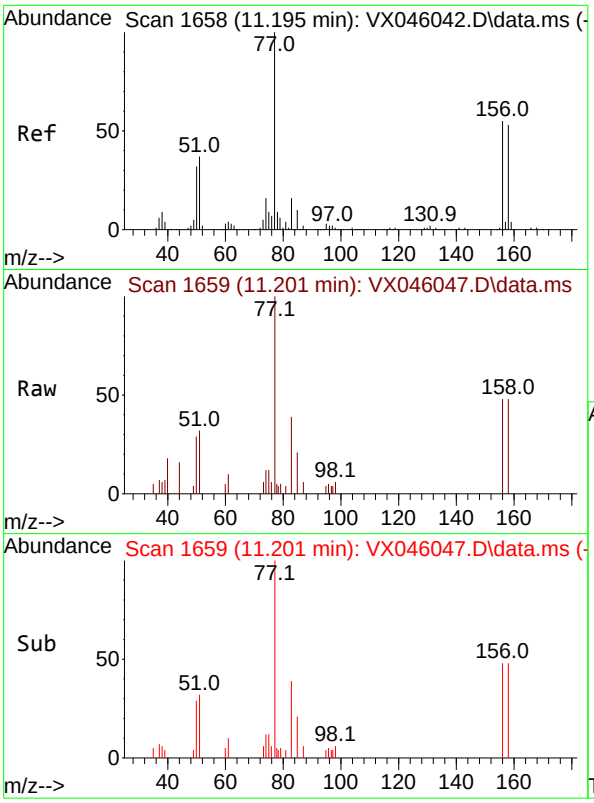


#76
1,2,3-Trichloropropane
Concen: 0.754 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 1858

Ion	Ratio	Lower	Upper
75	100		
77	26.5	20.5	61.5



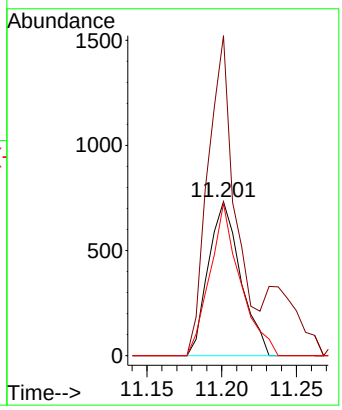


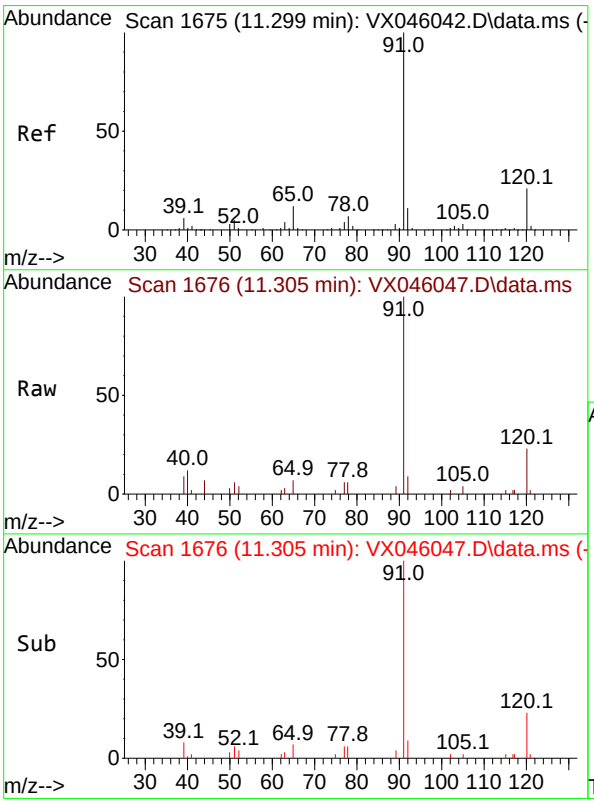
#77
Bromobenzene
Concen: 0.734 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 1095

Ion	Ratio	Lower	Upper
156	100		
77	179.5	92.8	278.3
158	93.5	48.8	146.3

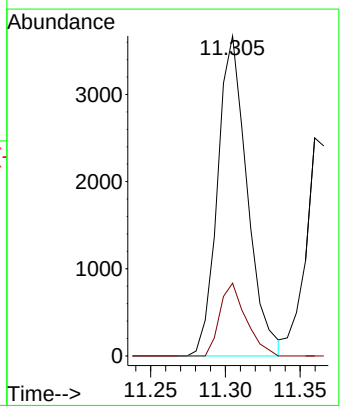


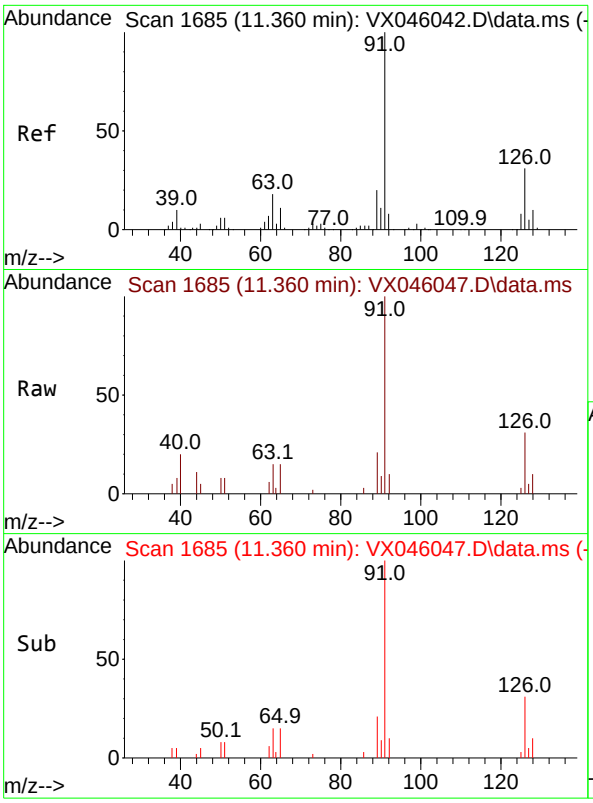


#78
n-propylbenzene
Concen: 0.699 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 5052

Ion	Ratio	Lower	Upper
91	100		
120	20.1	10.8	32.4



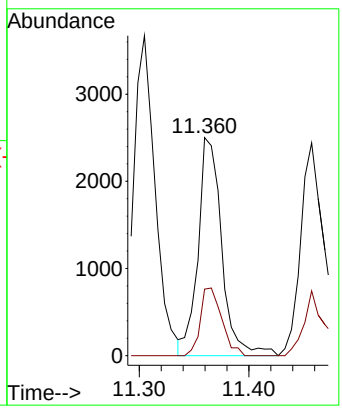


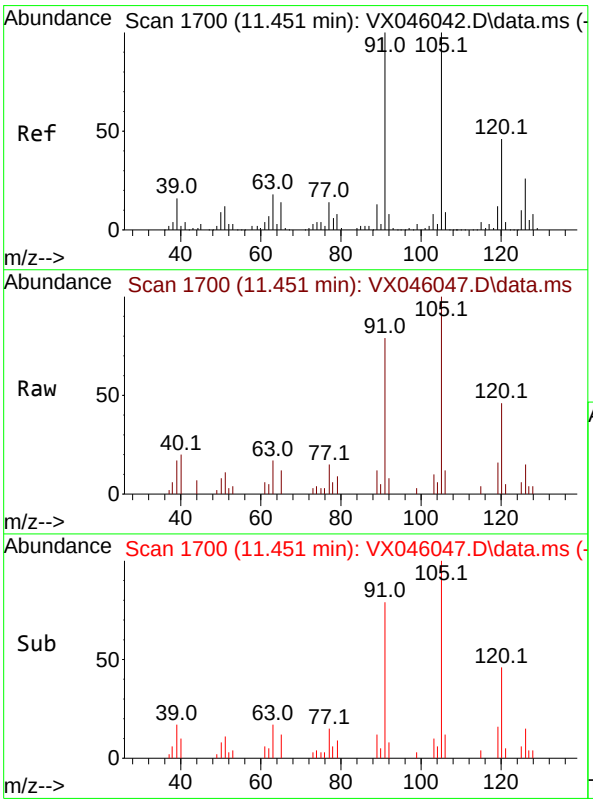
#79
2-Chlorotoluene
Concen: 0.773 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 3765

Ion	Ratio	Lower	Upper
91	100		
126	28.0	15.6	46.7

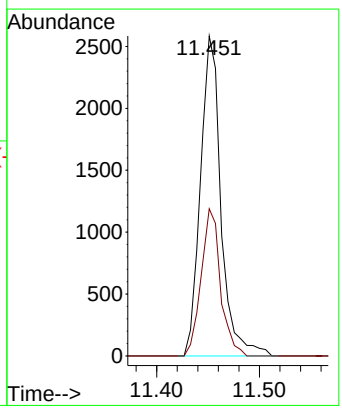


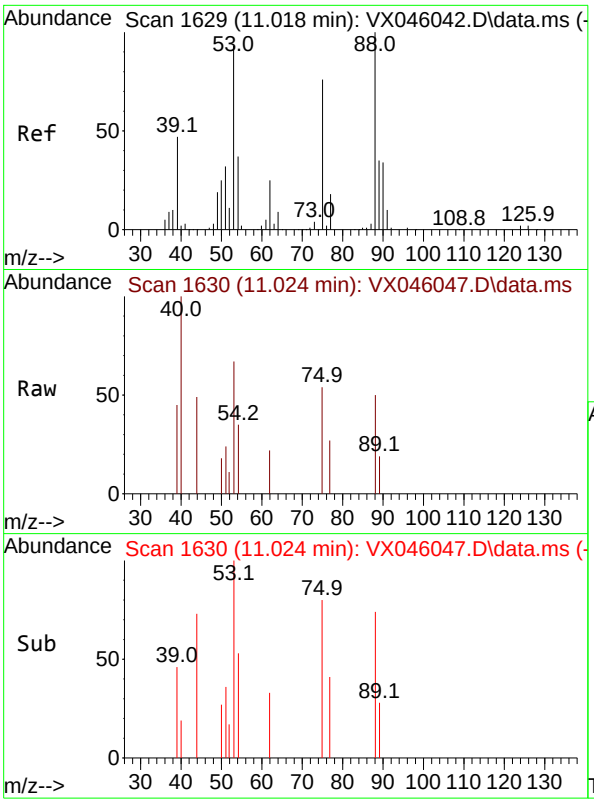


#80
1,3,5-Trimethylbenzene
Concen: 0.671 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 3590

Ion	Ratio	Lower	Upper
105	100		
120	43.4	23.1	69.2



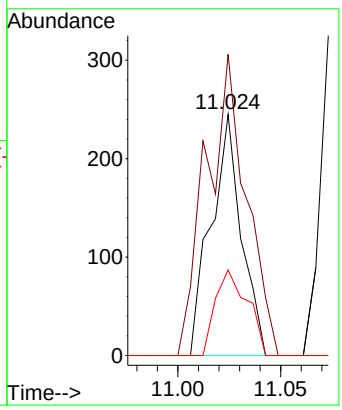


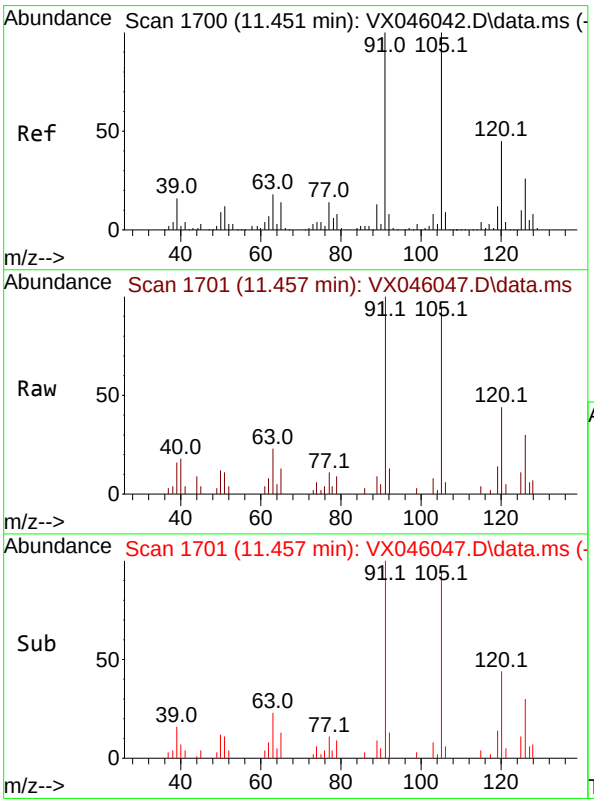
#81
trans-1,4-Dichloro-2-butene
Concen: 0.425 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 252

Ion	Ratio	Lower	Upper
75	100		
53	164.7	100.5	150.7#
89	37.3	37.0	55.6

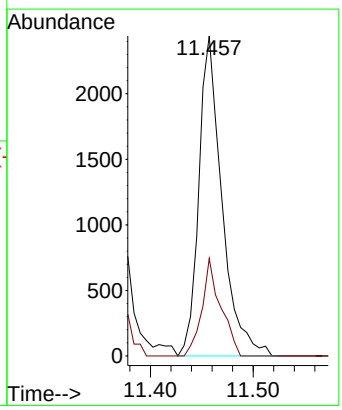


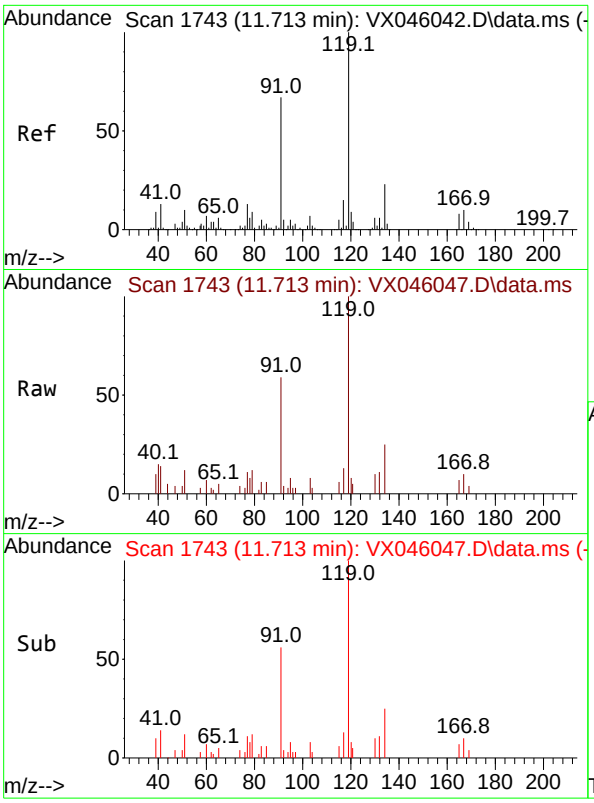


#82
4-Chlorotoluene
Concen: 0.713 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 91 Resp: 3815

Ion	Ratio	Lower	Upper
91	100		
126	24.8	13.3	39.8



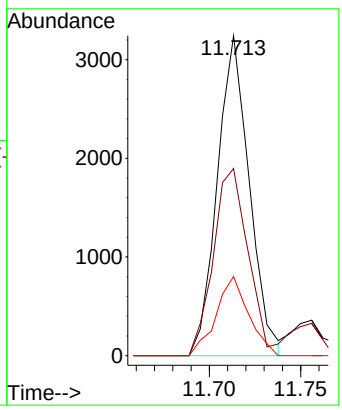


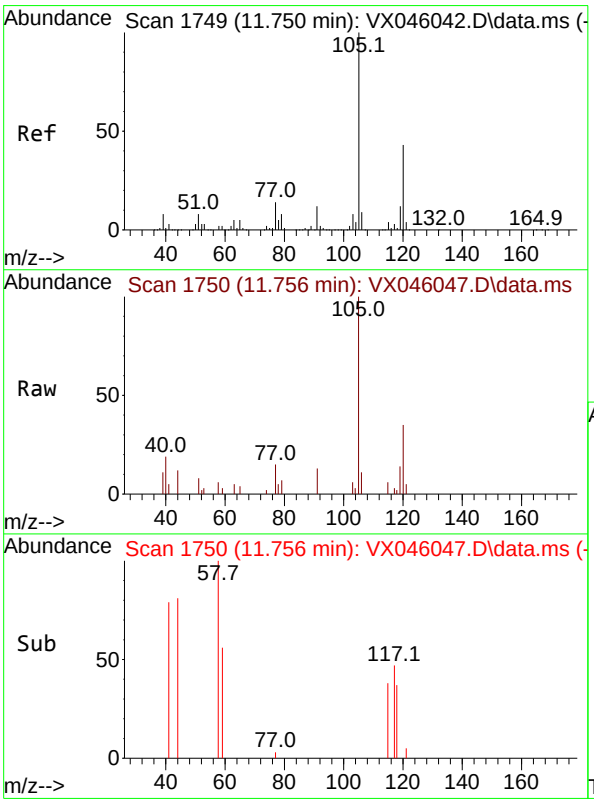
#83
tert-Butylbenzene
Concen: 0.751 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 3951

Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.9	98.7
134	25.2	11.4	34.1

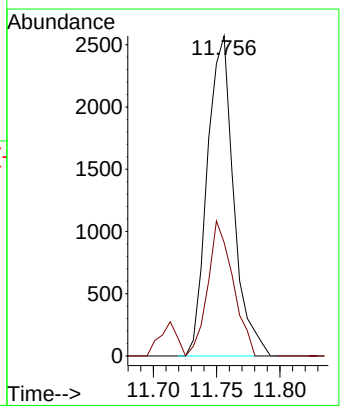


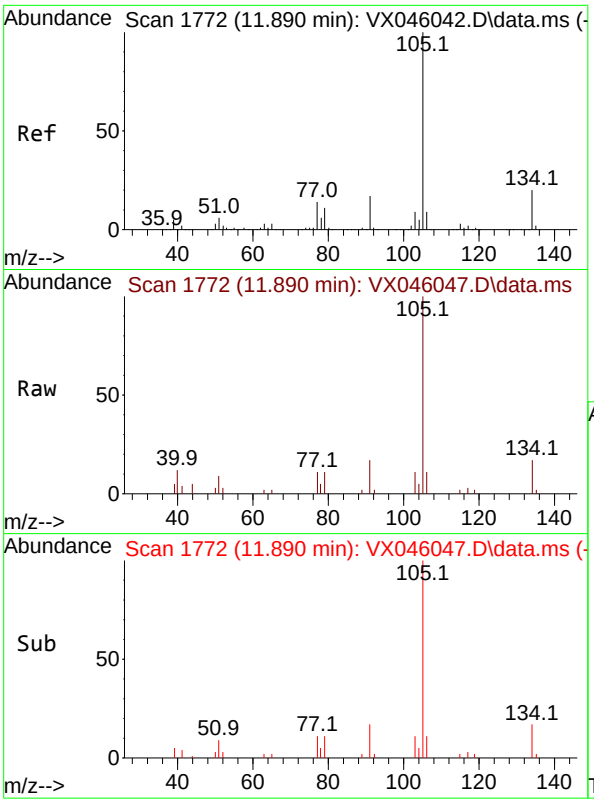


#84
1,2,4-Trimethylbenzene
Concen: 0.697 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:105 Resp: 3725

Ion	Ratio	Lower	Upper
105	100		
120	40.3	21.2	63.6



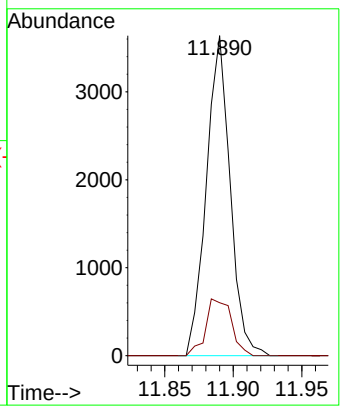


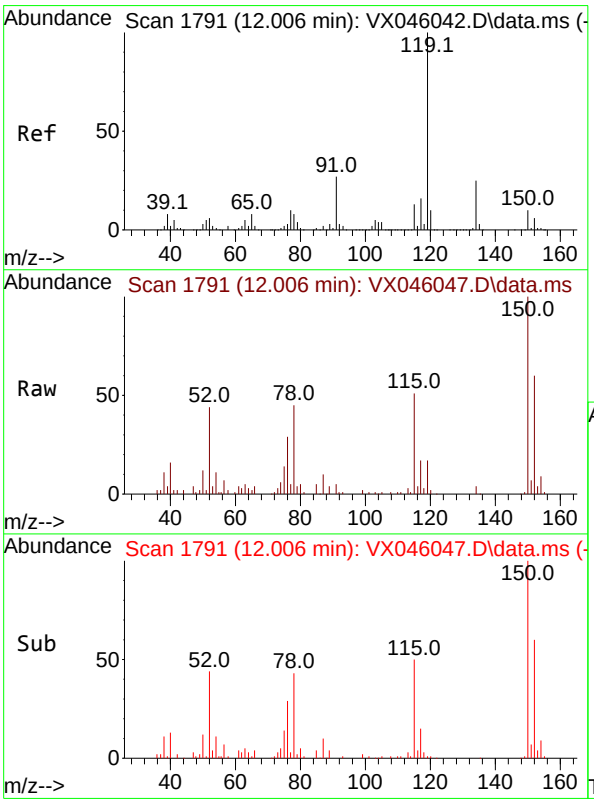
#85
sec-Butylbenzene
Concen: 0.672 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 4385

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1

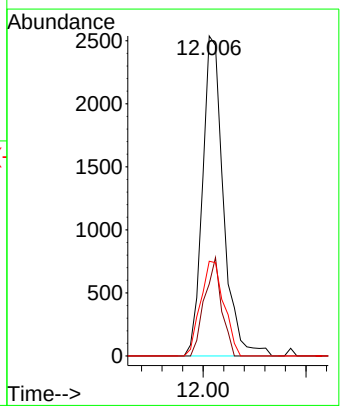


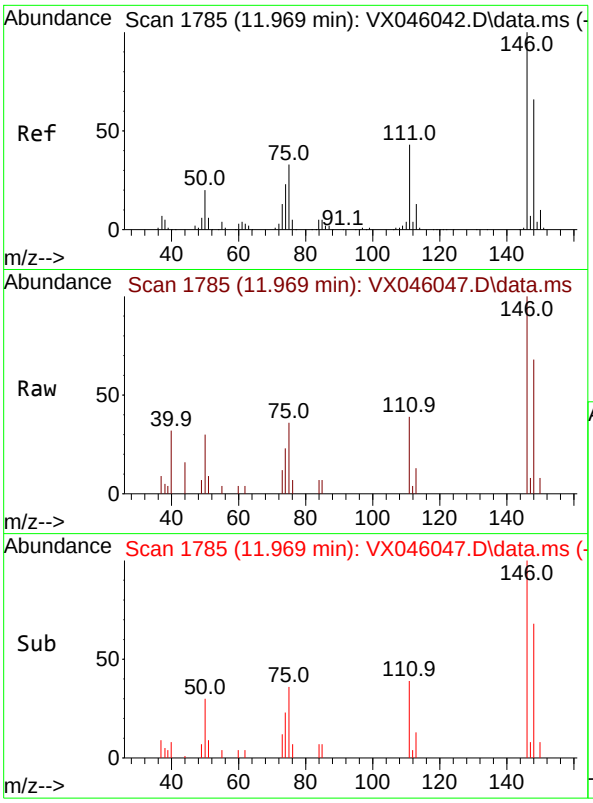


#86
p-Isopropyltoluene
Concen: 0.679 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:119 Resp: 3577

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	33.1	13.8	41.4



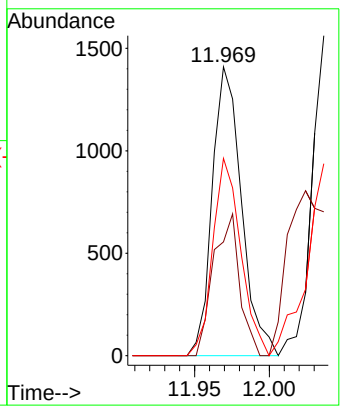


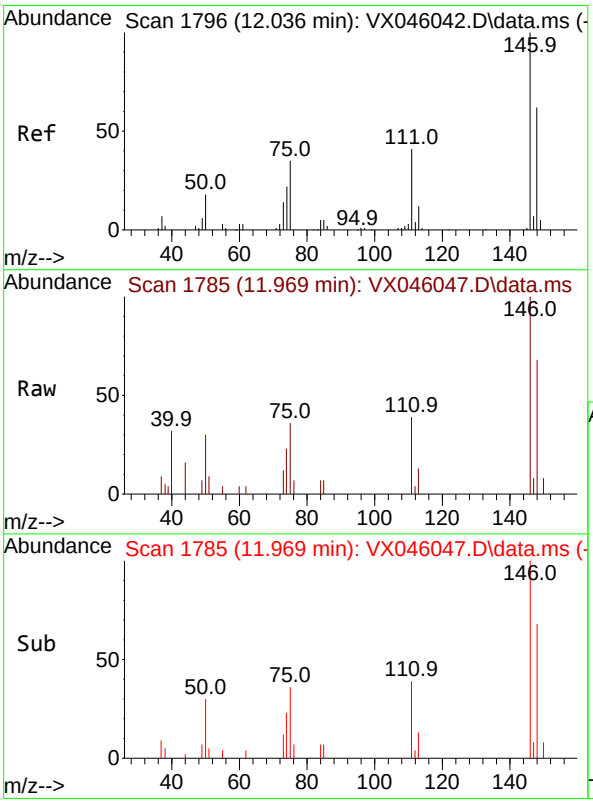
#87
1,3-Dichlorobenzene
Concen: 0.689 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 1914

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.1	66.3
148	65.3	32.1	96.5

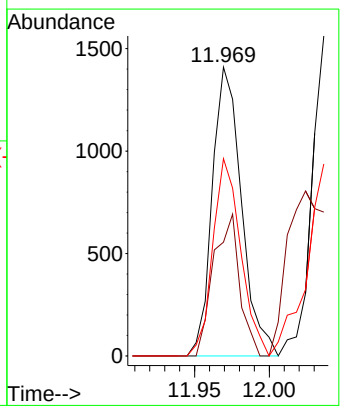


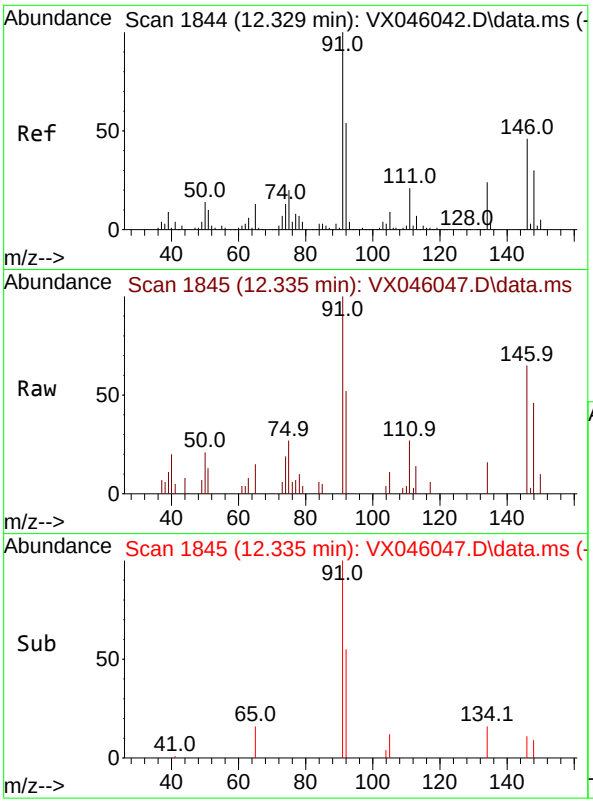


#88
1,4-Dichlorobenzene
Concen: 0.703 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.067 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:146 Resp: 1914

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.3	63.9
148	65.3	31.9	95.5



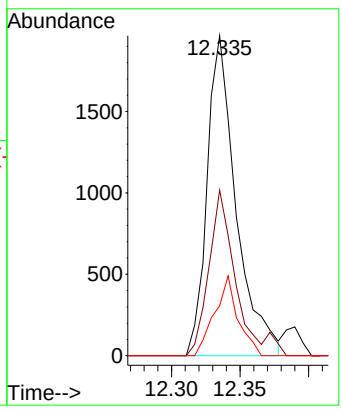


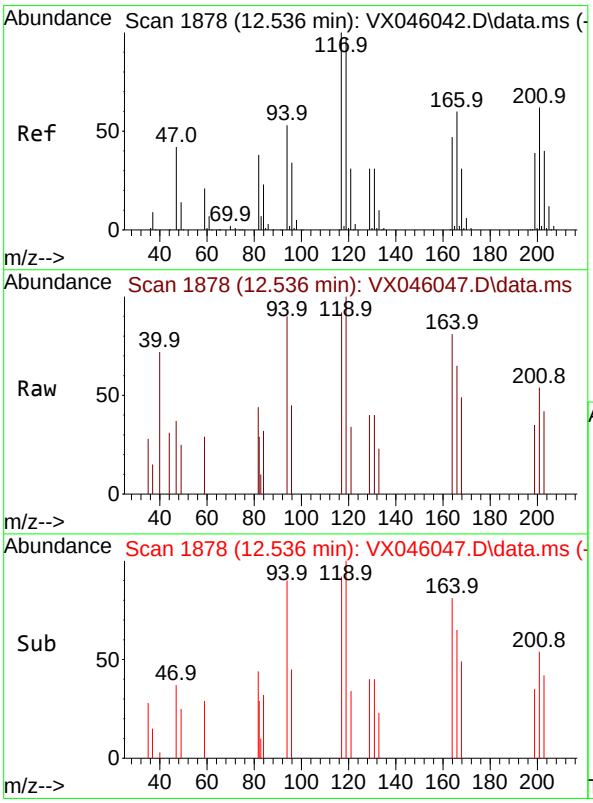
#89
n-Butylbenzene
Concen: 0.631 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 2889

Ion	Ratio	Lower	Upper
91	100		
92	48.1	26.9	80.7
134	20.1	11.8	35.3

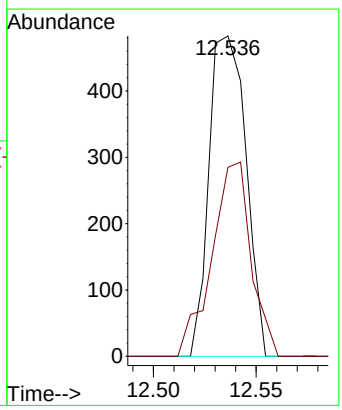


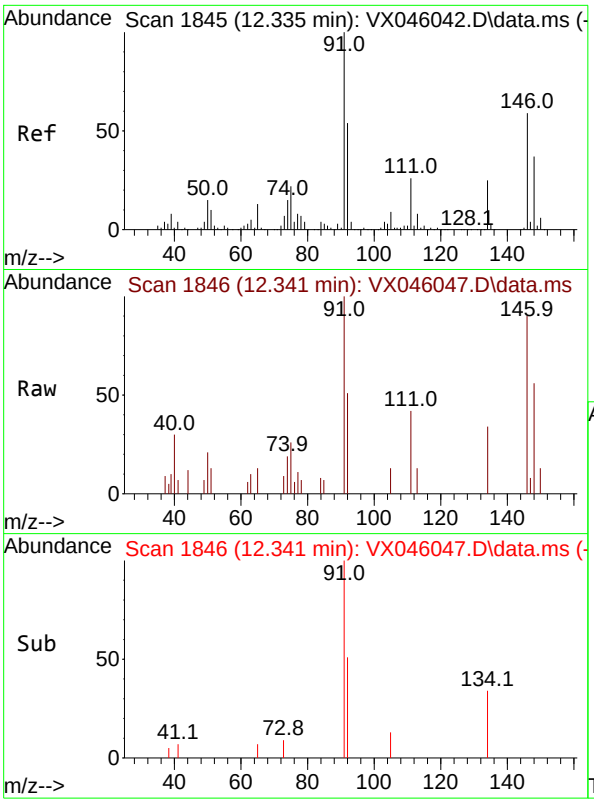


#90
Hexachloroethane
Concen: 0.616 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:117 Resp: 604

Ion	Ratio	Lower	Upper
117	100		
201	64.2	31.6	94.7



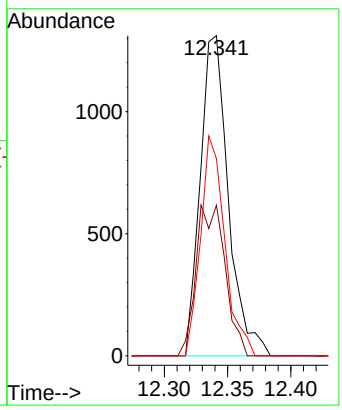


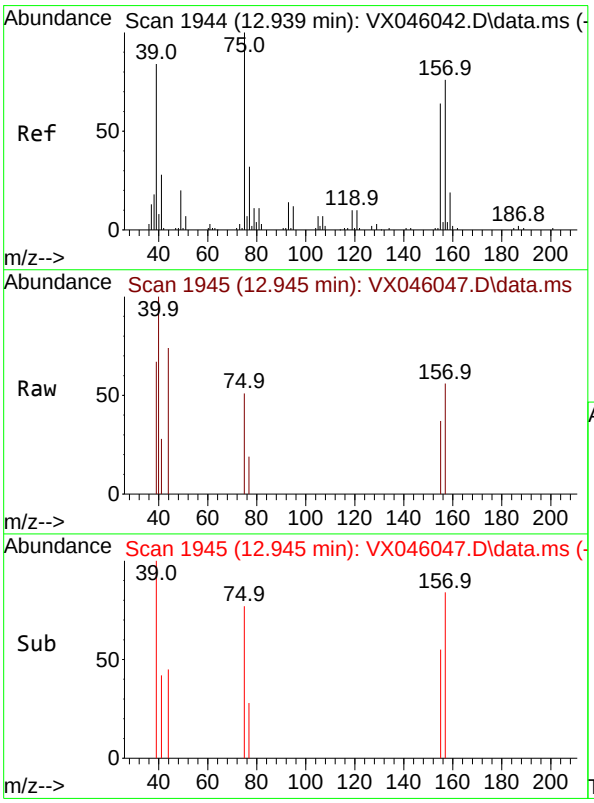
#91
1,2-Dichlorobenzene
Concen: 0.747 ug/l
RT: 12.341 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 2022

Ion	Ratio	Lower	Upper
146	100		
111	48.8	22.4	67.3
148	59.4	31.6	94.8

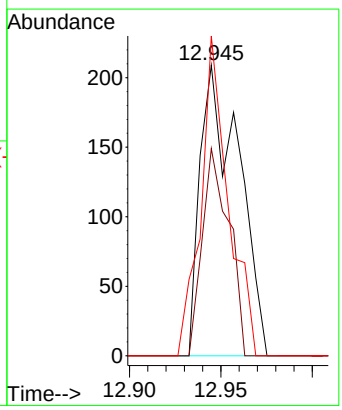


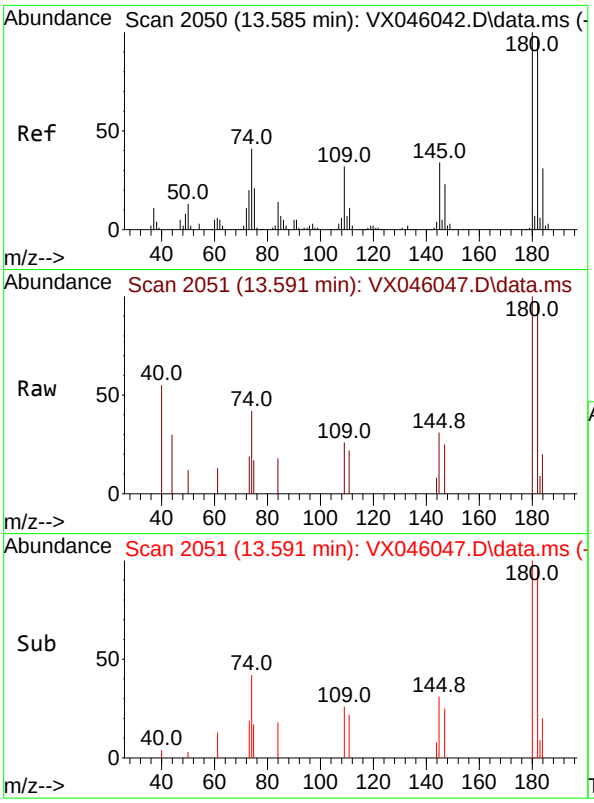


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.586 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion: 75 Resp: 306

Ion	Ratio	Lower	Upper
75	100		
155	49.3	34.9	104.8
157	78.1	43.8	131.4



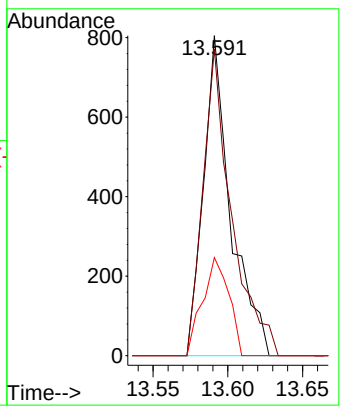


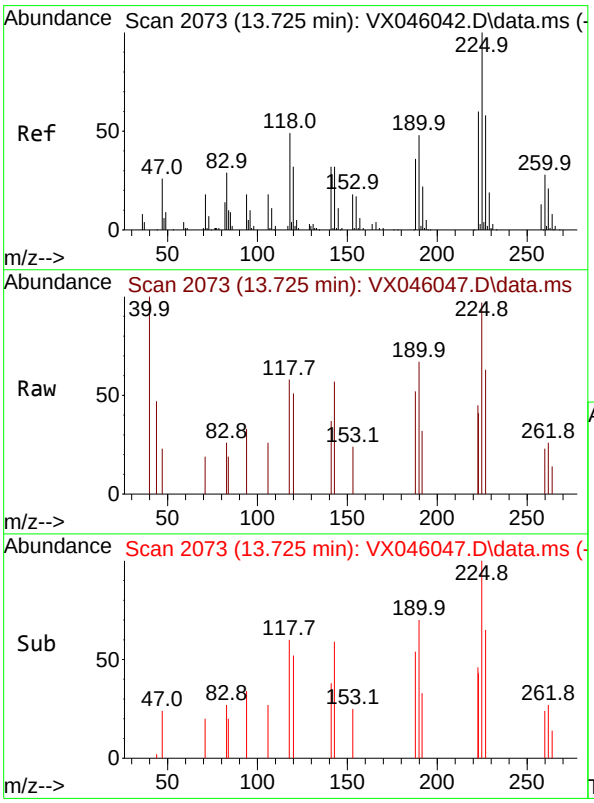
#93
1,2,4-Trichlorobenzene
Concen: 0.688 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 1019

Ion	Ratio	Lower	Upper
180	100		
182	100.6	47.9	143.8
145	29.5	17.1	51.2

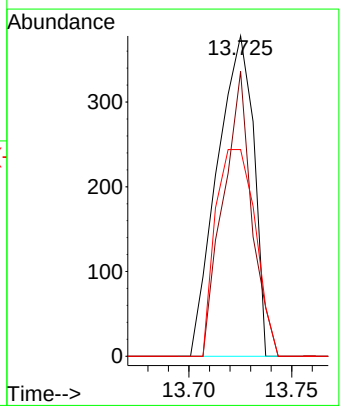


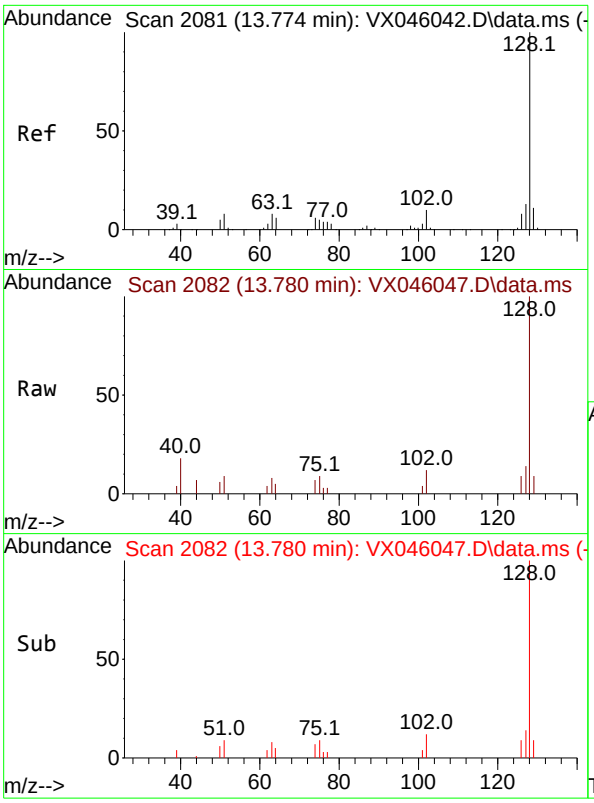


#94
Hexachlorobutadiene
Concen: 0.671 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:225 Resp: 465

Ion	Ratio	Lower	Upper
225	100		
223	69.7	30.8	92.4
227	70.5	30.9	92.7



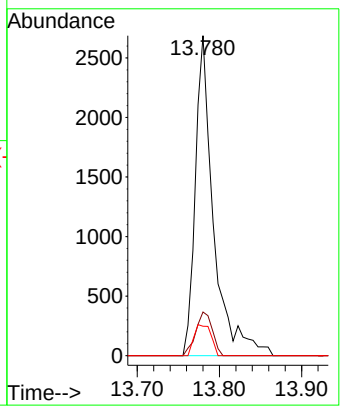


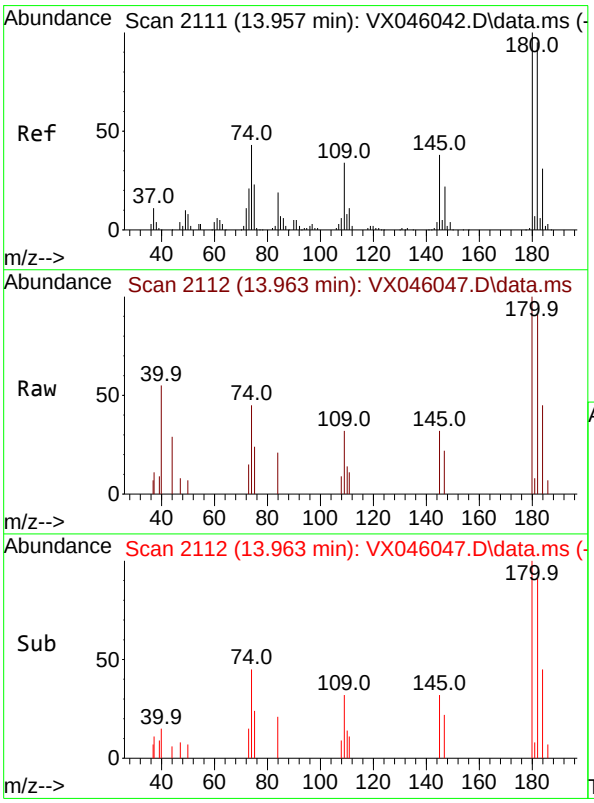
#95
Naphthalene
Concen: 0.767 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 4138

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	8.9	8.6	13.0

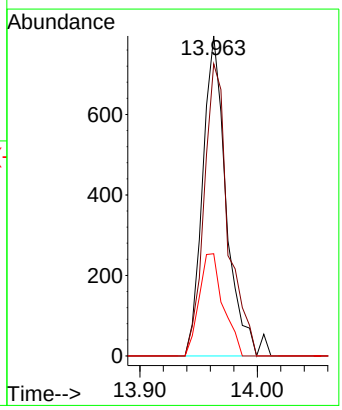




#96
1,2,3-Trichlorobenzene
Concen: 0.716 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX046047.D
Acq: 05 May 2025 16:27

Tgt Ion:180 Resp: 1113

Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.8	143.3
145	32.5	18.1	54.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	162651	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	145078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83733	48.509	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.020%			
35) Dibromofluoromethane	5.379	113	58192	49.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.360%			
50) Toluene-d8	8.647	98	198575	48.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.960%			
62) 4-Bromofluorobenzene	11.079	95	75568	48.596	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	78783	55.594	ug/l	99
3) Chloromethane	1.307	50	72275	52.592	ug/l	100
4) Vinyl Chloride	1.374	62	65994	51.598	ug/l	98
5) Bromomethane	1.593	94	30033	50.627	ug/l	97
6) Chloroethane	1.666	64	35690	52.271	ug/l	94
7) Trichlorofluoromethane	1.874	101	99352	52.560	ug/l	99
8) Diethyl Ether	2.130	74	31875	49.536	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	59451	50.822	ug/l	99
10) Methyl Iodide	2.447	142	73940	53.419	ug/l	99
11) Tert butyl alcohol	2.977	59	61065	252.025	ug/l	99
12) 1,1-Dichloroethene	2.313	96	56097	51.097	ug/l	98
13) Acrolein	2.233	56	64157	232.505	ug/l	99
14) Allyl chloride	2.660	41	108757	51.833	ug/l	100
15) Acrylonitrile	3.063	53	181808	262.412	ug/l	99
16) Acetone	2.380	43	169923	245.518	ug/l	98
17) Carbon Disulfide	2.502	76	132695	50.981	ug/l	99
18) Methyl Acetate	2.703	43	80251	49.968	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	195442	50.777	ug/l	99
20) Methylene Chloride	2.782	84	63369	47.779	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	55770	50.513	ug/l	99
22) Diisopropyl ether	3.757	45	209946	51.800	ug/l	97
23) Vinyl Acetate	3.715	43	946746	265.585	ug/l	100
24) 1,1-Dichloroethane	3.605	63	114733	50.825	ug/l	98
25) 2-Butanone	4.556	43	258339	257.110	ug/l	97
26) 2,2-Dichloropropane	4.471	77	88229	49.934	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	67727	50.956	ug/l	100
28) Bromochloromethane	4.891	49	55390	50.975	ug/l	98
29) Tetrahydrofuran	5.001	42	163675	259.958	ug/l	99
30) Chloroform	5.093	83	120782	51.332	ug/l	97
31) Cyclohexane	5.458	56	103158	50.147	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	104243	51.108	ug/l	100
36) 1,1-Dichloropropene	5.690	75	77931	49.521	ug/l	99
37) Ethyl Acetate	4.715	43	98604	50.714	ug/l	100
38) Carbon Tetrachloride	5.666	117	88100	49.825	ug/l	97
39) Methylcyclohexane	7.373	83	100808	49.757	ug/l	98
40) Benzene	6.031	78	233977	50.759	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	56017	55.076	ug/l		100
42) 1,2-Dichloroethane	6.080	62	101185	50.861	ug/l		98
43) Isopropyl Acetate	6.336	43	154818	52.195	ug/l		99
44) Trichloroethene	7.123	130	55491	50.018	ug/l		100
45) 1,2-Dichloropropane	7.428	63	59582	51.983	ug/l		98
46) Dibromomethane	7.580	93	45181	49.978	ug/l		99
47) Bromodichloromethane	7.818	83	92388	51.889	ug/l		100
48) Methyl methacrylate	7.690	41	82144	54.226	ug/l		98
49) 1,4-Dioxane	7.659	88	30477	1059.599	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	510206	259.133	ug/l		100
52) Toluene	8.714	92	144574	51.150	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	83751	52.920	ug/l		100
54) cis-1,3-Dichloropropene	8.360	75	92517	52.892	ug/l		98
55) 1,1,2-Trichloroethane	9.147	97	56713	50.887	ug/l		96
56) Ethyl methacrylate	9.116	69	95772	53.918	ug/l		99
57) 1,3-Dichloropropane	9.305	76	99663	49.793	ug/l		97
58) 2-Chloroethyl Vinyl ether	8.238	63	240681	265.780	ug/l		99
59) 2-Hexanone	9.427	43	390701	268.218	ug/l		100
60) Dibromochloromethane	9.519	129	63738	52.075	ug/l		99
61) 1,2-Dibromoethane	9.610	107	59134	51.050	ug/l		98
64) Tetrachloroethene	9.269	164	48034	46.795	ug/l		98
65) Chlorobenzene	10.073	112	154640	48.699	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53735	49.557	ug/l		100
67) Ethyl Benzene	10.189	91	281239	50.245	ug/l		100
68) m/p-Xylenes	10.299	106	206813	101.022	ug/l		99
69) o-Xylene	10.640	106	101469	50.841	ug/l		99
70) Styrene	10.653	104	169703	51.907	ug/l		99
71) Bromoform	10.799	173	40364	49.583	ug/l	#	97
73) Isopropylbenzene	10.957	105	269484	50.733	ug/l		100
74) N-amyl acetate	10.842	43	137559	52.407	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	89027	47.827	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	99886	60.821	ug/l		86
77) Bromobenzene	11.195	156	59871	48.549	ug/l		98
78) n-propylbenzene	11.299	91	312285	50.562	ug/l		100
79) 2-Chlorotoluene	11.360	91	195630	49.107	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	228538	51.500	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24857	49.276	ug/l		98
82) 4-Chlorotoluene	11.451	91	223811	50.661	ug/l		100
83) tert-Butylbenzene	11.713	119	225783	50.511	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	231371	51.485	ug/l		100
85) sec-Butylbenzene	11.890	105	280578	51.122	ug/l		99
86) p-Isopropyltoluene	12.006	119	231942	51.198	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	113146	50.272	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	111173	48.368	ug/l		99
89) n-Butylbenzene	12.329	91	205858	51.804	ug/l		100
90) Hexachloroethane	12.536	117	39823	49.895	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	111482	49.361	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21220	51.458	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	64421	49.662	ug/l		100
94) Hexachlorobutadiene	13.719	225	27425	48.408	ug/l		98
95) Naphthalene	13.774	128	239805	50.404	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	64950	48.525	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

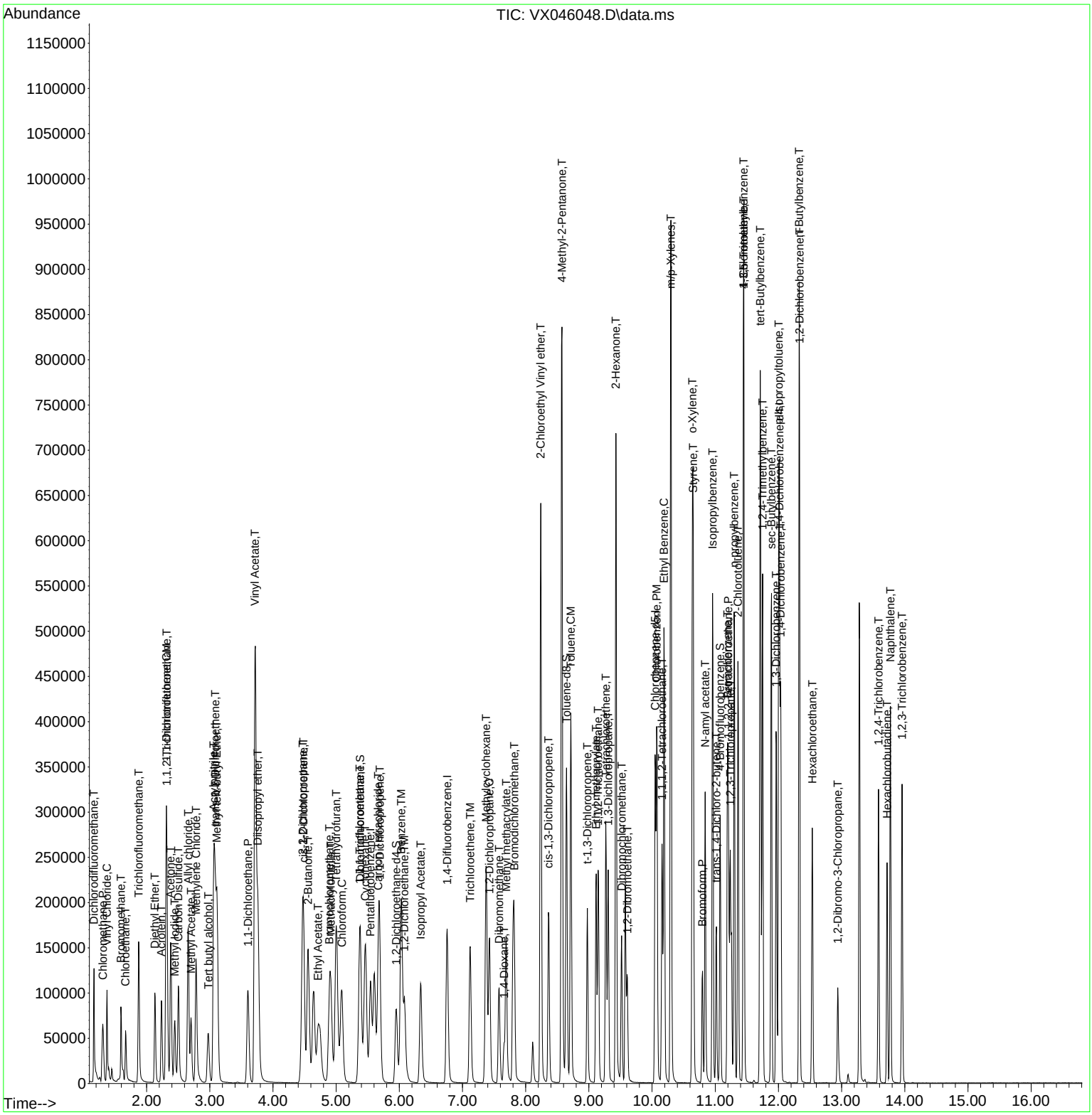
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

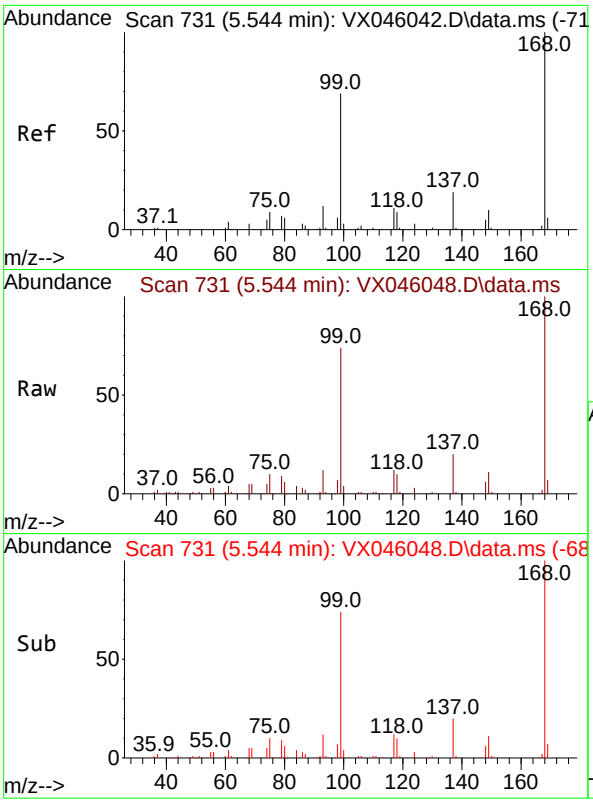
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050525\
Data File : VX046048.D
Acq On : 05 May 2025 16:50
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Quant Time: May 06 07:17:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



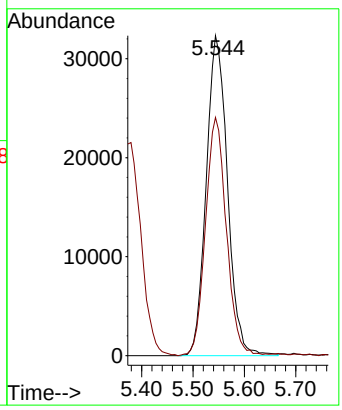


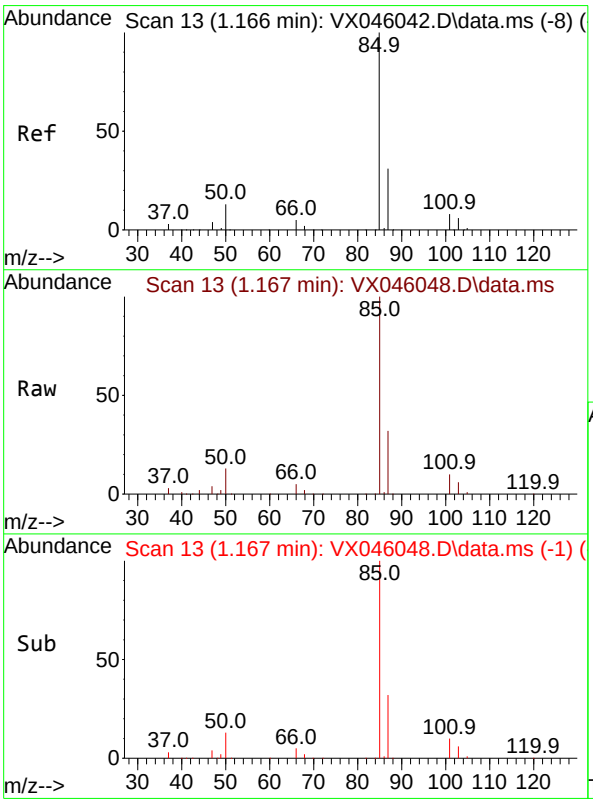
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:168 Resp: 92588

Ion	Ratio	Lower	Upper
168	100		
99	74.5	54.9	82.3

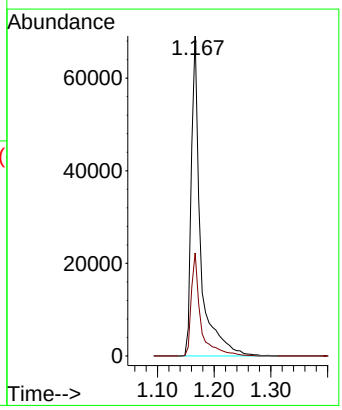


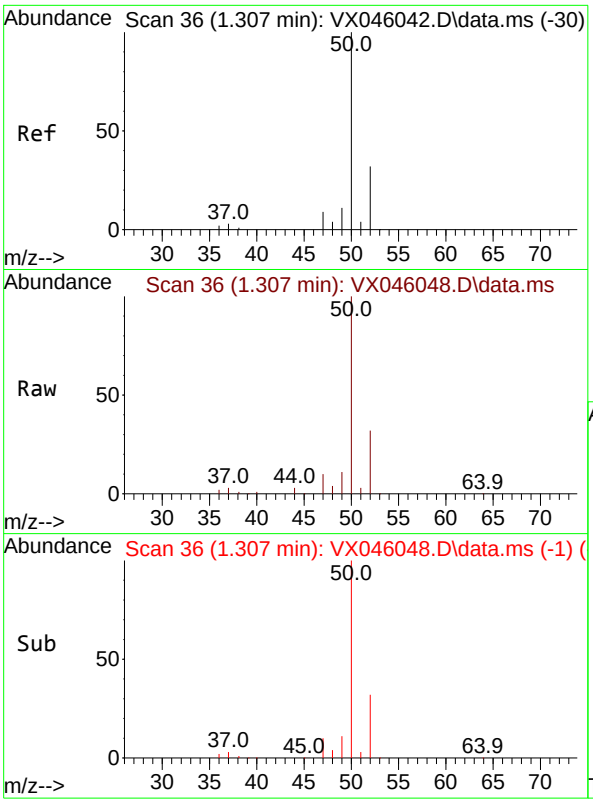


#2
Dichlorodifluoromethane
Concen: 55.594 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 85 Resp: 78783

Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.7	47.1



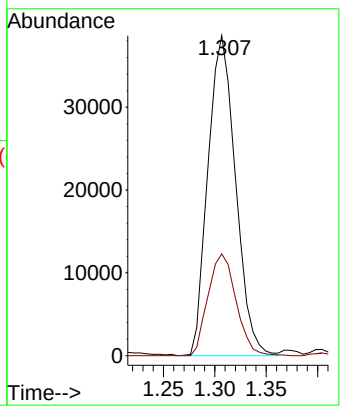


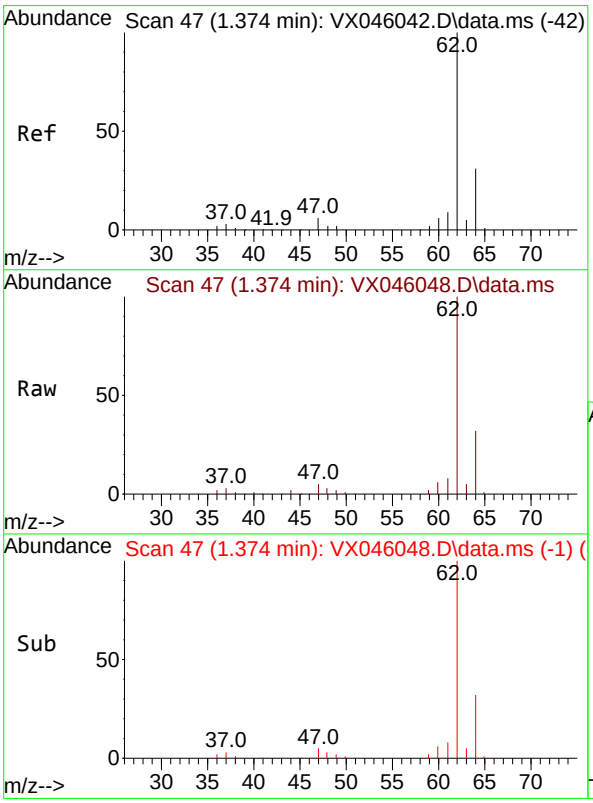
#3
Chloromethane
Concen: 52.592 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 50 Resp: 72275

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2

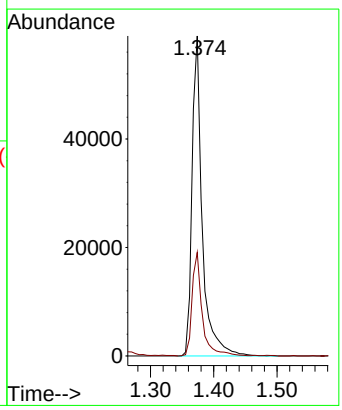


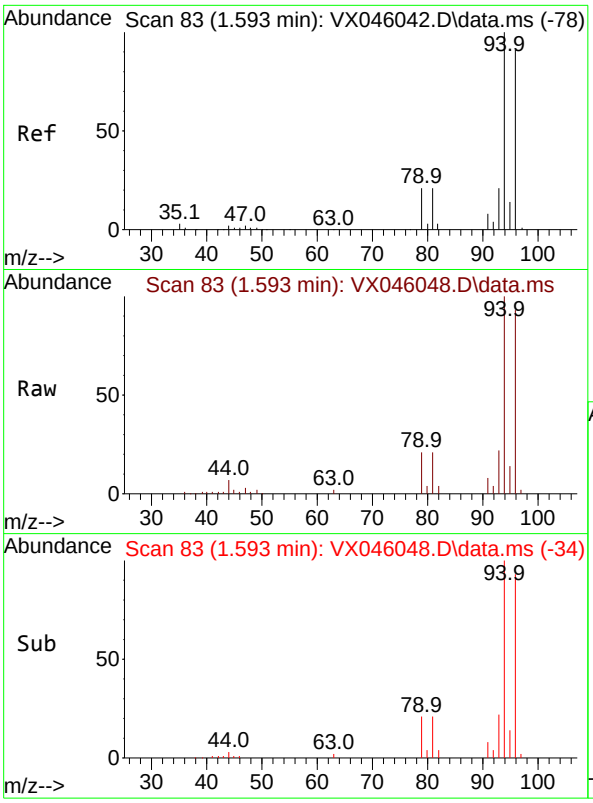


#4
Vinyl Chloride
Concen: 51.598 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 62 Resp: 65994

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.2	37.8



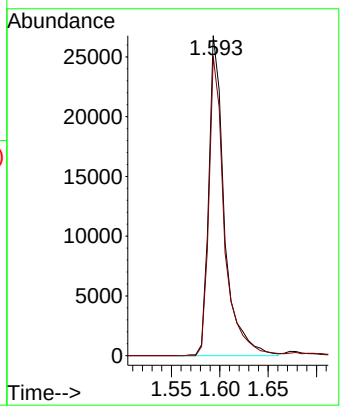


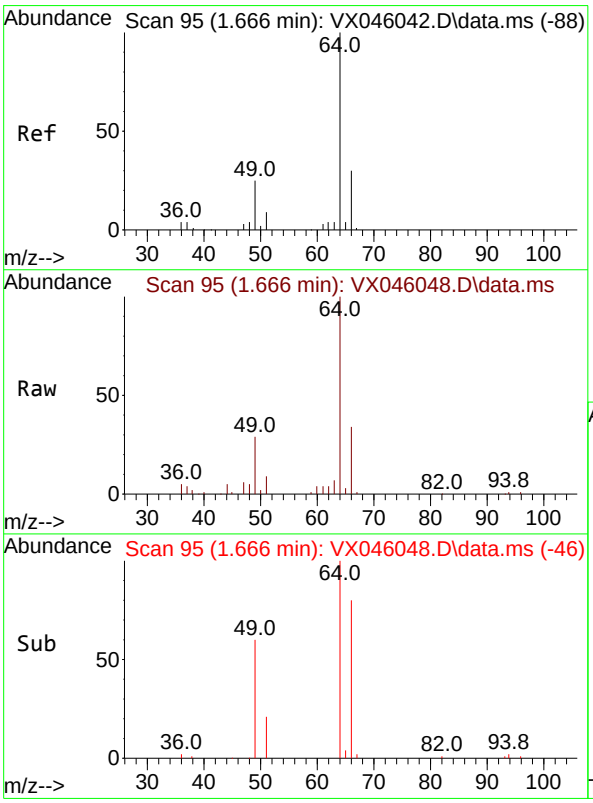
#5
Bromomethane
Concen: 50.627 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 94 Resp: 30033

Ion	Ratio	Lower	Upper
94	100		
96	93.5	72.8	109.2

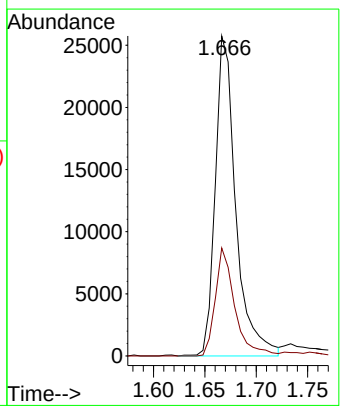


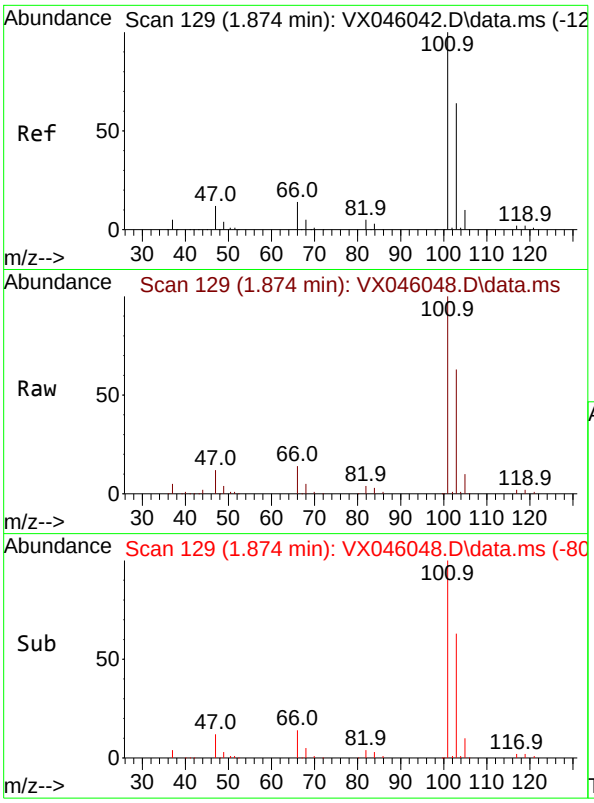


#6
Chloroethane
Concen: 52.271 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 64 Resp: 35690

Ion	Ratio	Lower	Upper
64	100		
66	33.7	24.3	36.5



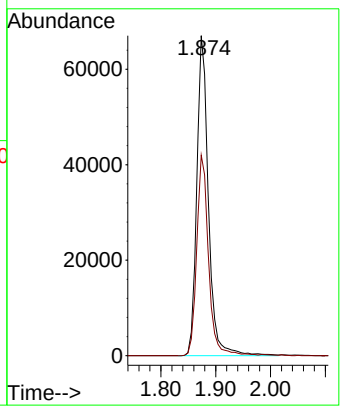


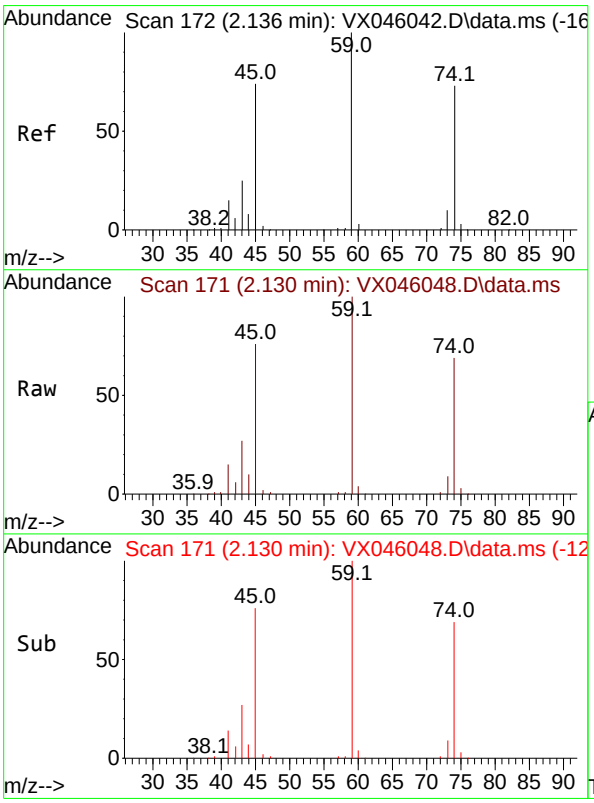
#7
Trichlorofluoromethane
Concen: 52.560 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:101 Resp: 99352

Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.0	76.4

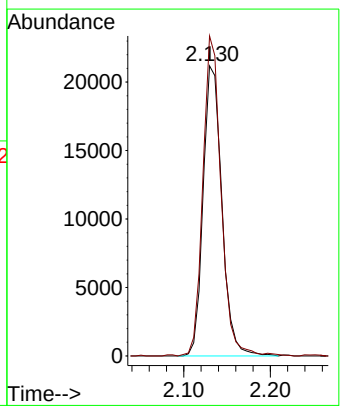


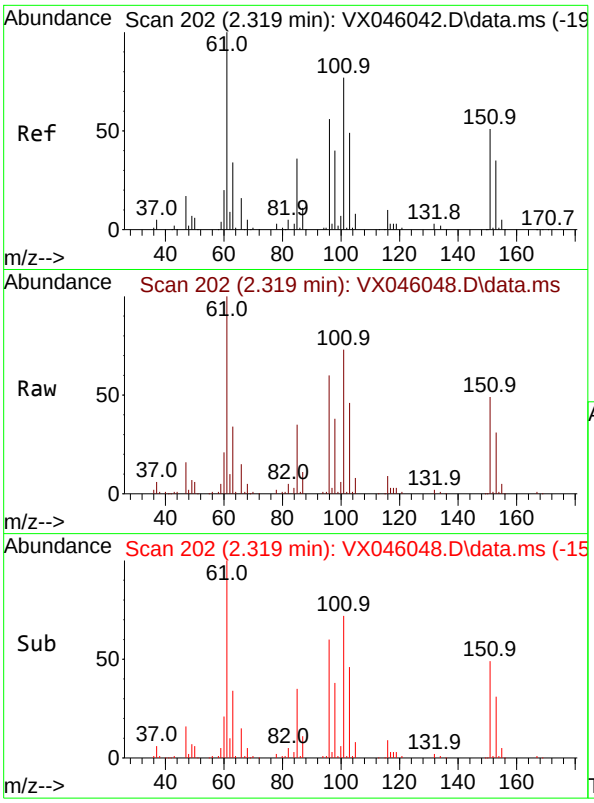


#8
Diethyl Ether
Concen: 49.536 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 74 Resp: 31875

Ion	Ratio	Lower	Upper
74	100		
45	107.1	54.9	164.8



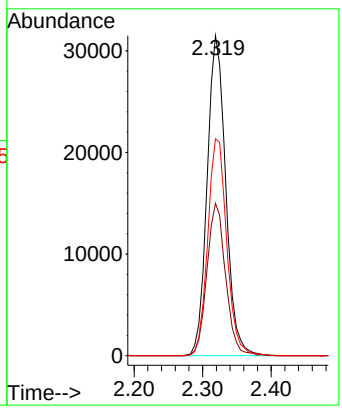


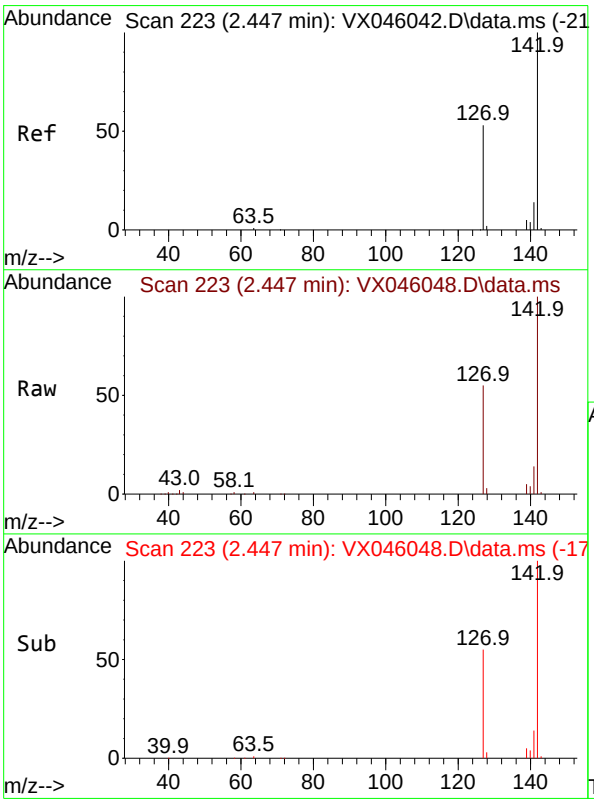
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.822 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:101 Resp: 59451

Ion	Ratio	Lower	Upper
101	100		
85	47.8	38.6	58.0
151	69.4	55.2	82.8

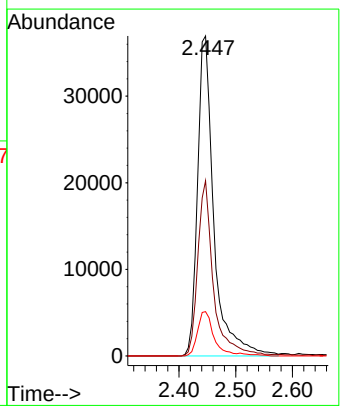


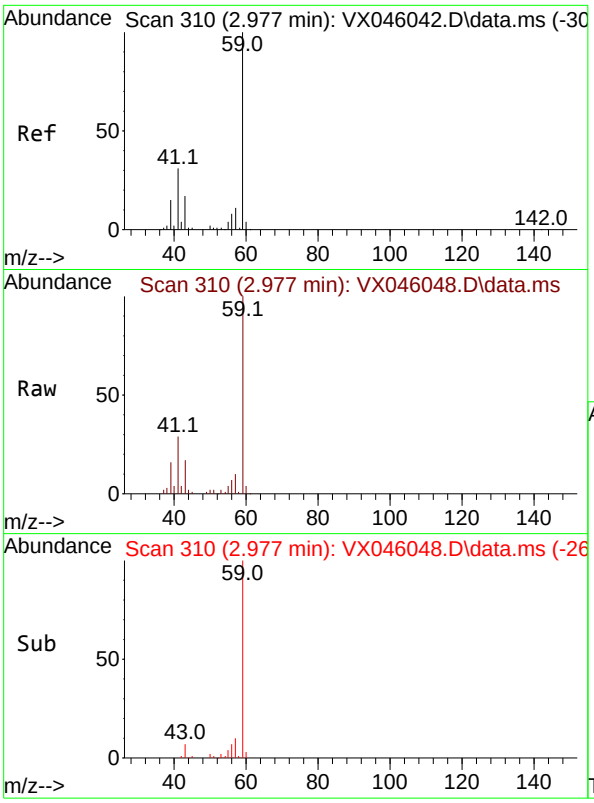


#10
Methyl Iodide
Concen: 53.419 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:142 Resp: 73940

Ion	Ratio	Lower	Upper
142	100		
127	52.9	41.7	62.5
141	14.4	11.5	17.3



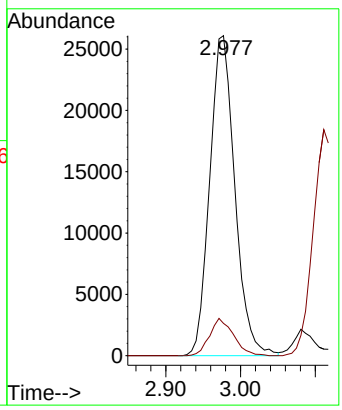


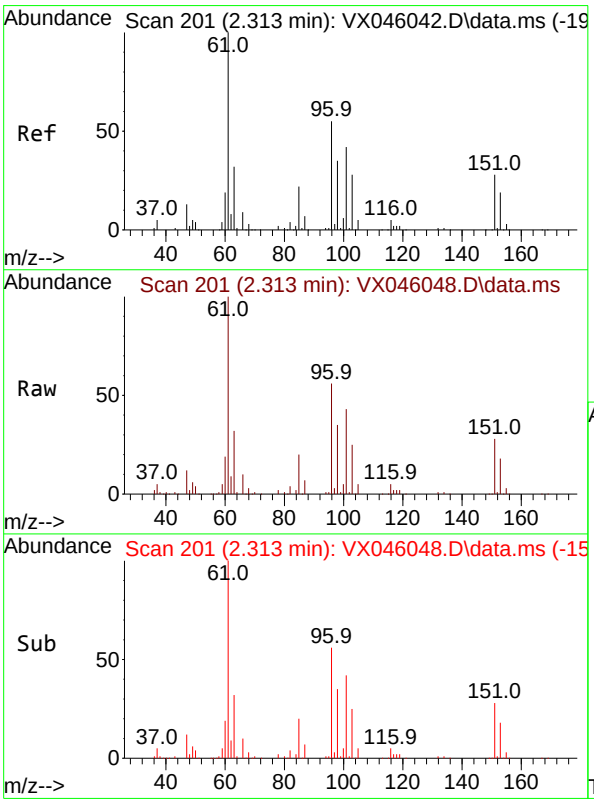
#11
Tert butyl alcohol
Concen: 252.025 ug/l
RT: 2.977 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 59 Resp: 61065

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

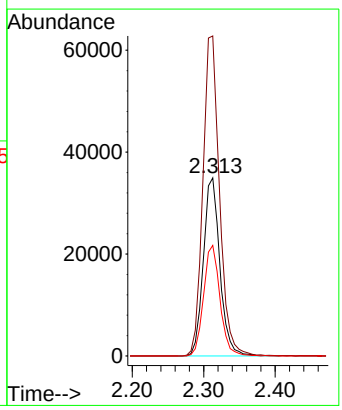


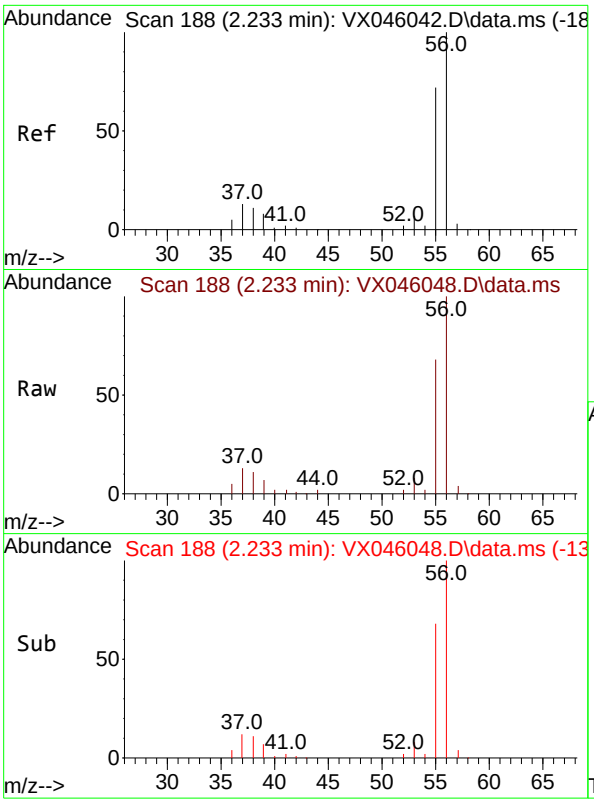


#12
1,1-Dichloroethene
Concen: 51.097 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 96 Resp: 56097

Ion	Ratio	Lower	Upper
96	100		
61	179.7	146.2	219.2
98	62.1	51.0	76.6



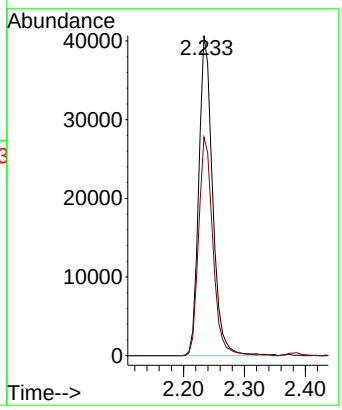


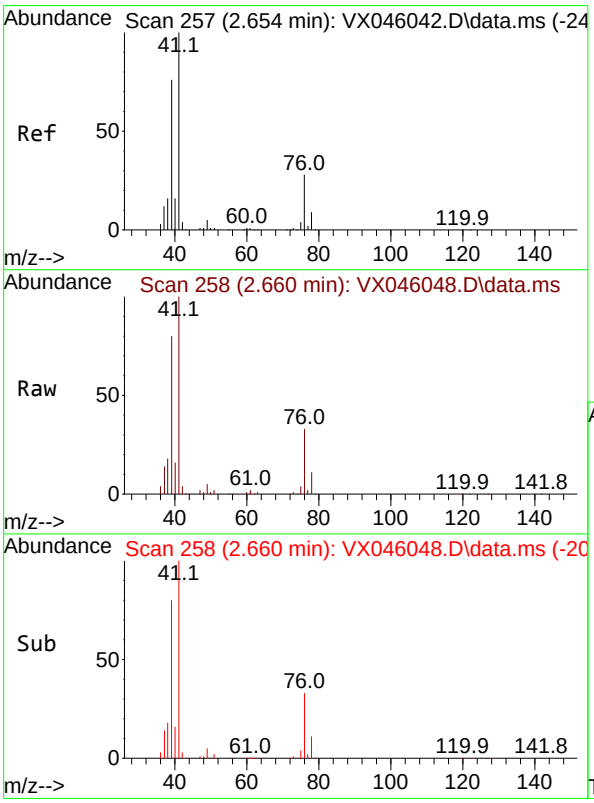
#13
Acrolein
Concen: 232.505 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 56 Resp: 64157

Ion	Ratio	Lower	Upper
56	100		
55	70.8	56.2	84.4

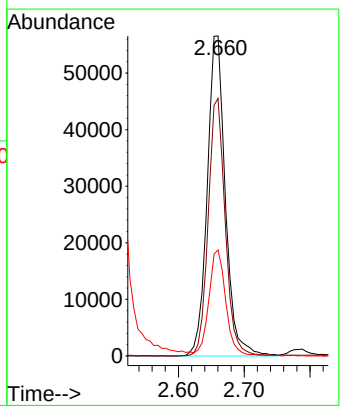


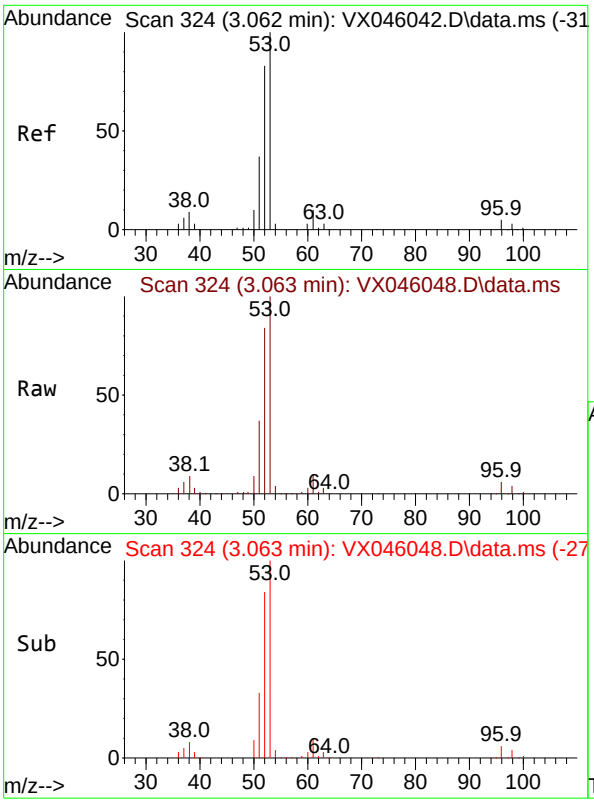


#14
Allyl chloride
Concen: 51.833 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 41 Resp: 108757

Ion	Ratio	Lower	Upper
41	100		
39	75.6	60.6	90.8
76	31.1	24.9	37.3



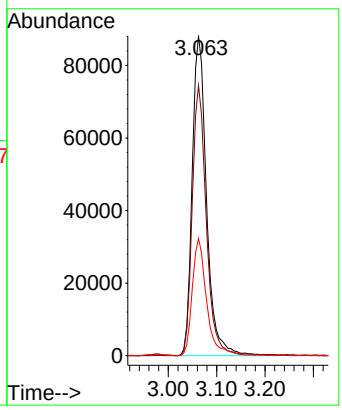


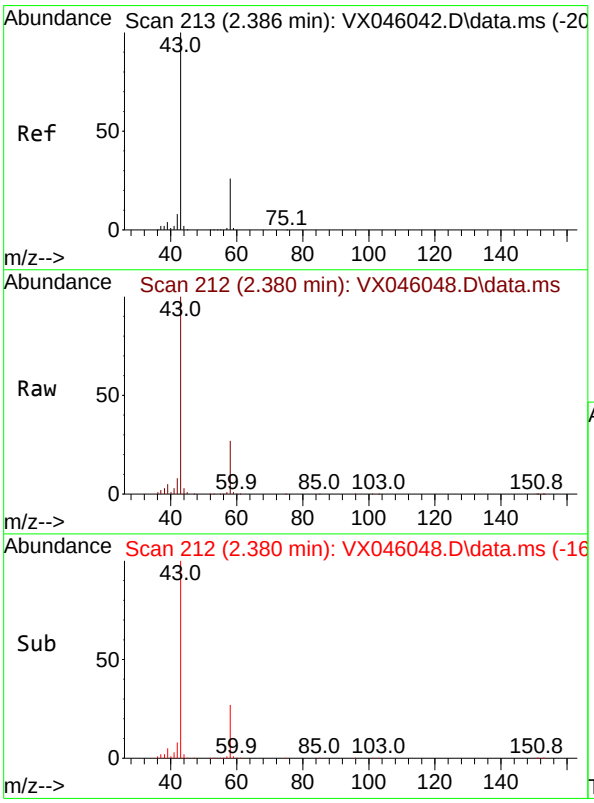
#15
Acrylonitrile
Concen: 262.412 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 53 Resp: 181808

Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.3	97.9
51	36.5	29.8	44.8

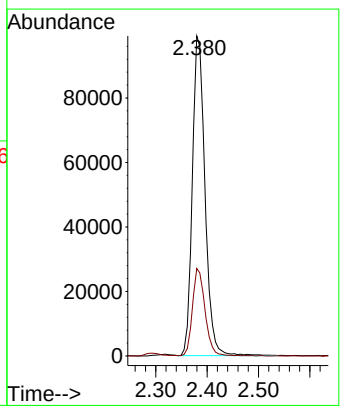


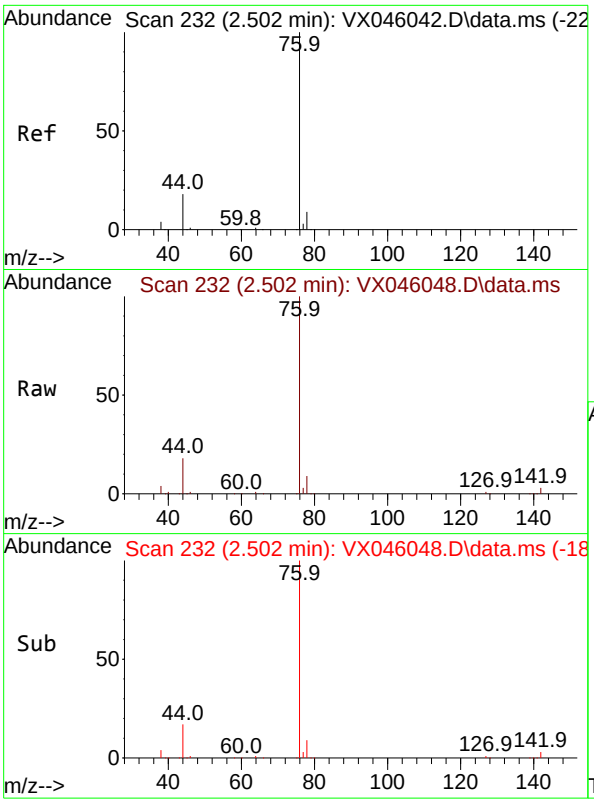


#16
Acetone
Concen: 245.518 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 169923

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.2	31.8



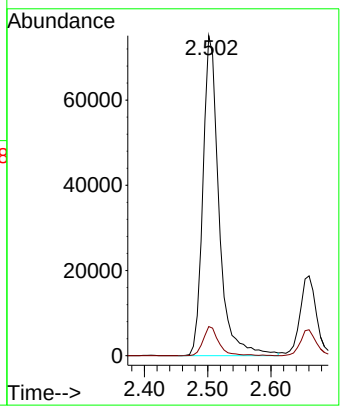


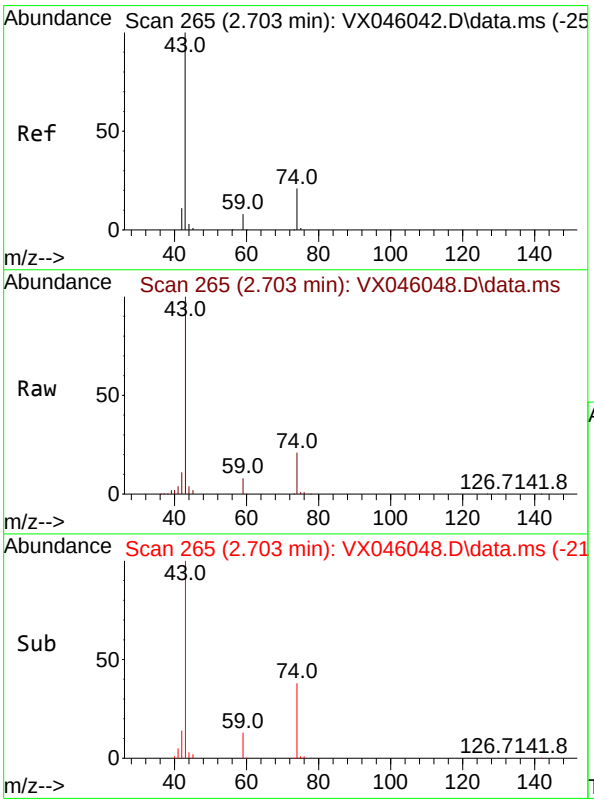
#17
Carbon Disulfide
Concen: 50.981 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 76 Resp: 132695

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

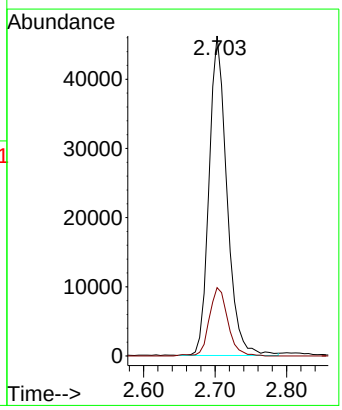


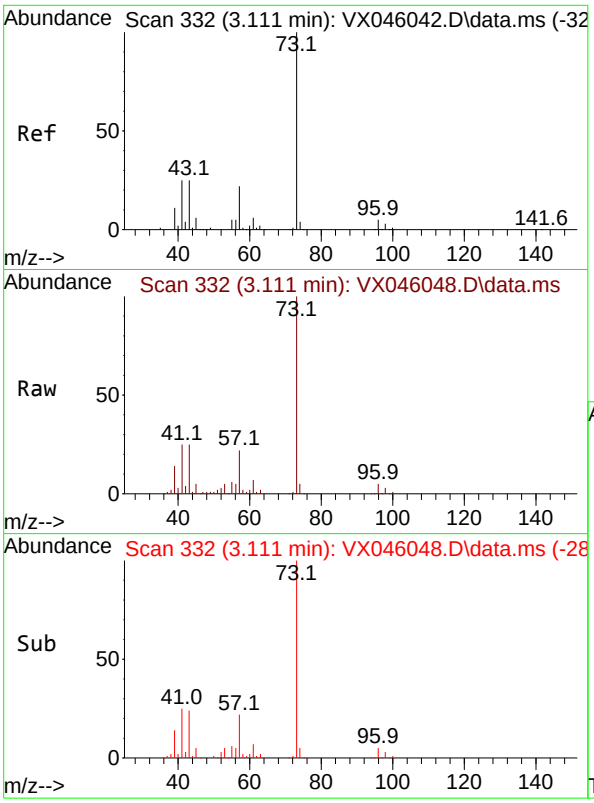


#18
Methyl Acetate
Concen: 49.968 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 80251

Ion	Ratio	Lower	Upper
43	100		
74	22.1	16.7	25.1



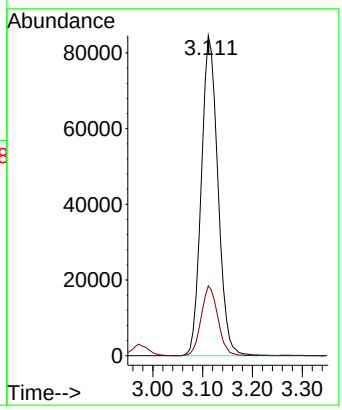


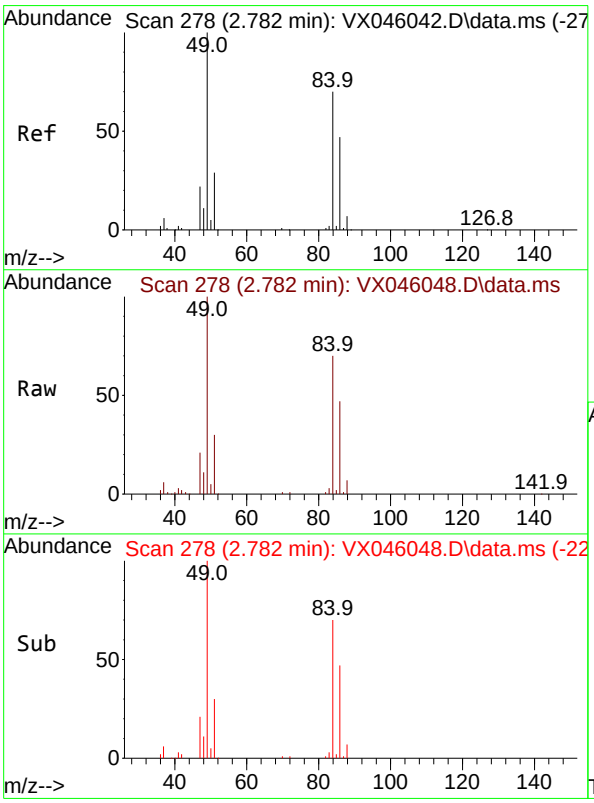
#19
Methyl tert-butyl Ether
Concen: 50.777 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 73 Resp: 195442

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.7	26.5

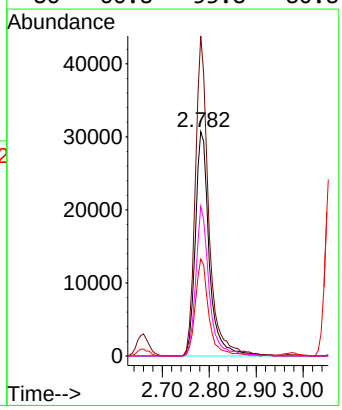


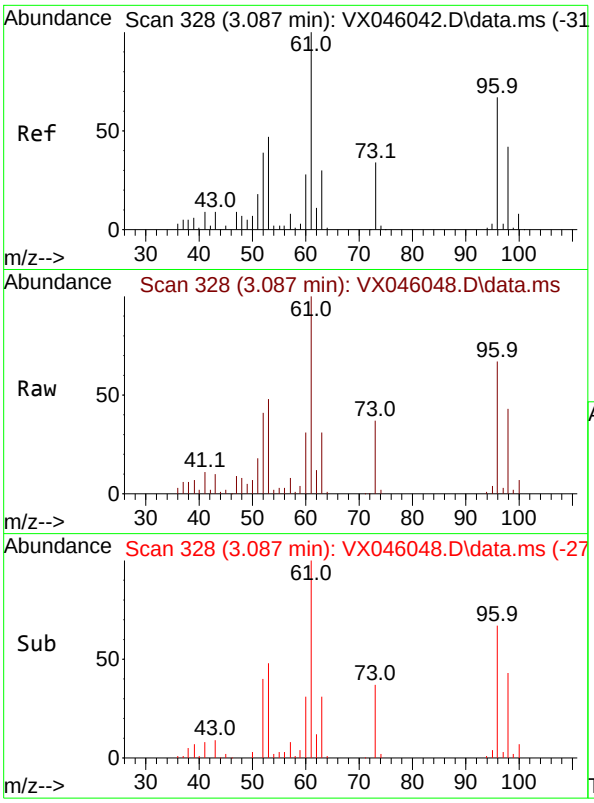


#20
Methylene Chloride
Concen: 47.779 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 84 Resp: 63369

Ion	Ratio	Lower	Upper
84	100		
49	142.7	113.9	170.9
51	43.3	33.5	50.3
86	66.8	53.8	80.8



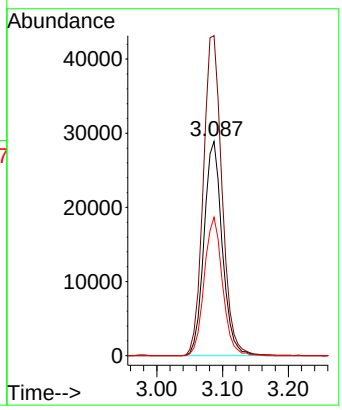


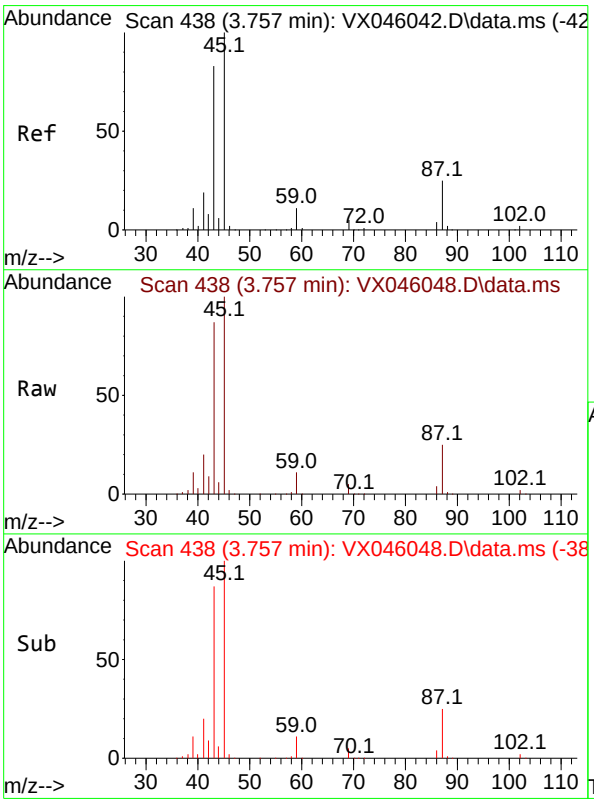
#21
trans-1,2-Dichloroethene
Concen: 50.513 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 96 Resp: 55770

Ion	Ratio	Lower	Upper
96	100		
61	149.3	119.5	179.3
98	64.6	50.0	75.0

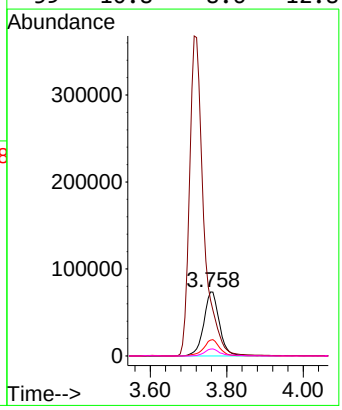


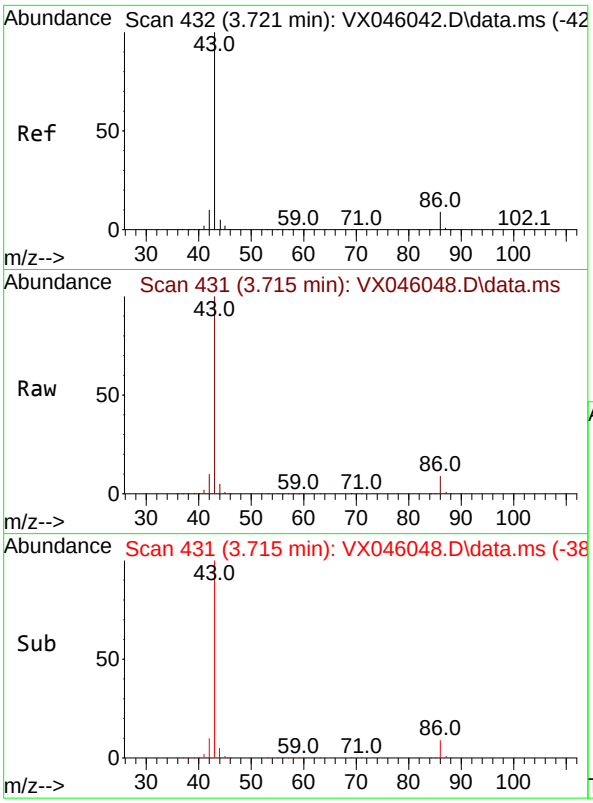


#22
Diisopropyl ether
Concen: 51.800 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 45 Resp: 209946

Ion	Ratio	Lower	Upper
45	100		
43	86.9	66.6	100.0
87	24.8	19.8	29.6
59	10.8	8.6	12.8



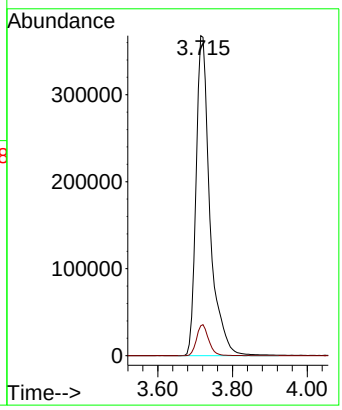


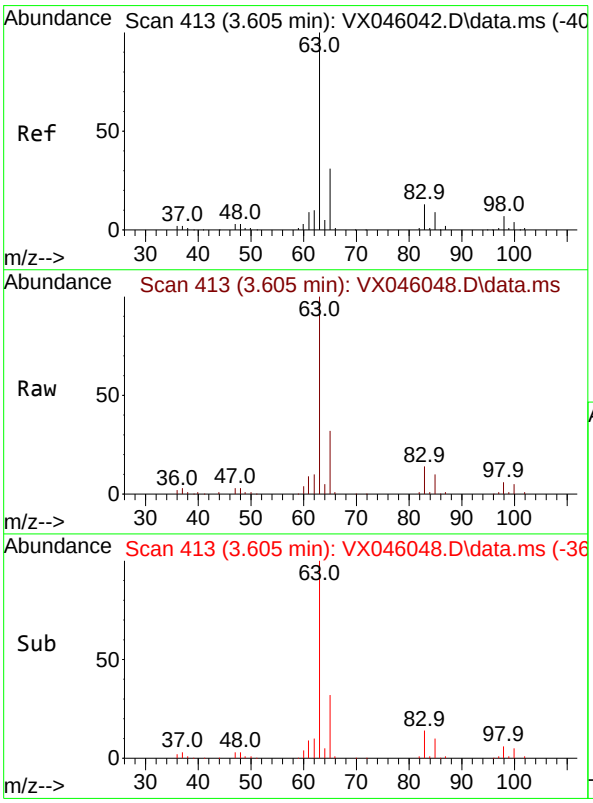
#23
Vinyl Acetate
Concen: 265.585 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 43 Resp: 946746

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.5	11.3

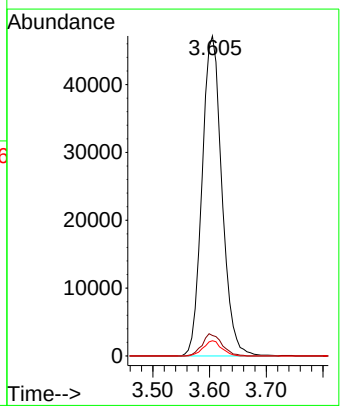


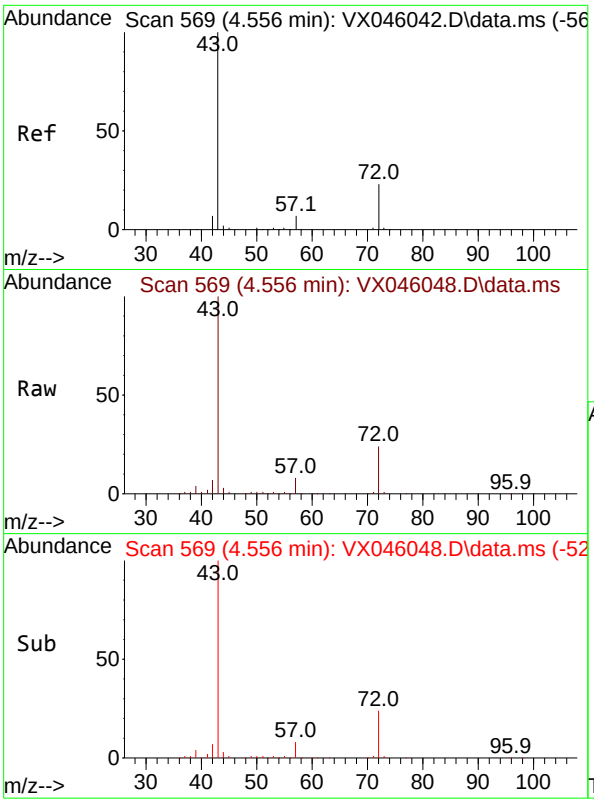


#24
1,1-Dichloroethane
Concen: 50.825 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 114733

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.6	10.8
100	4.8	2.1	6.3



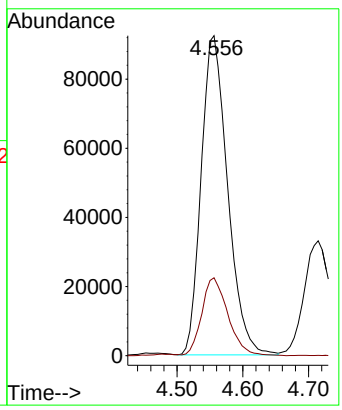


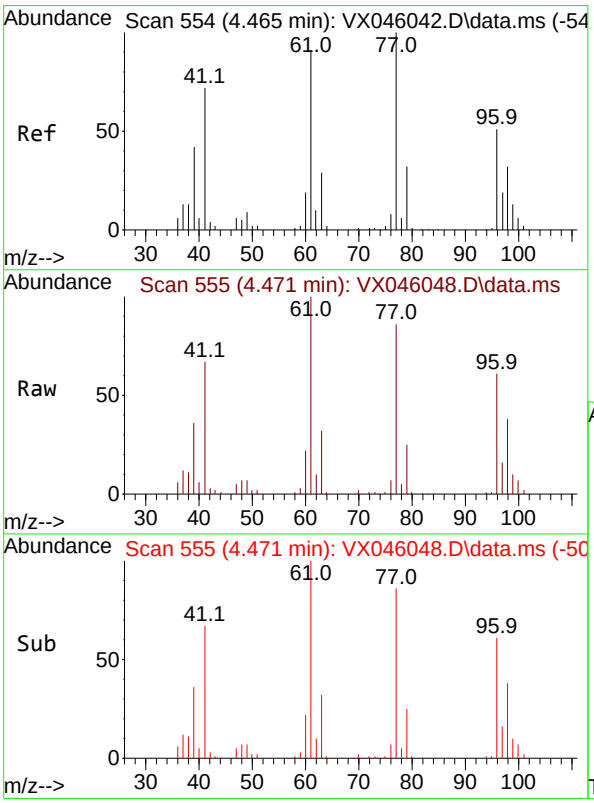
#25
2-Butanone
Concen: 257.110 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 43 Resp: 258339

Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.4	27.6

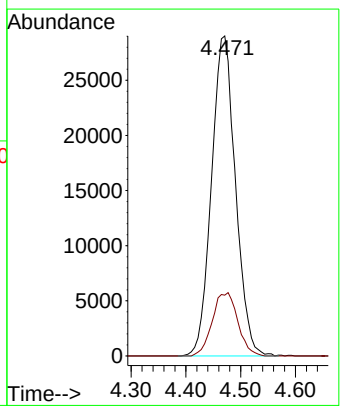


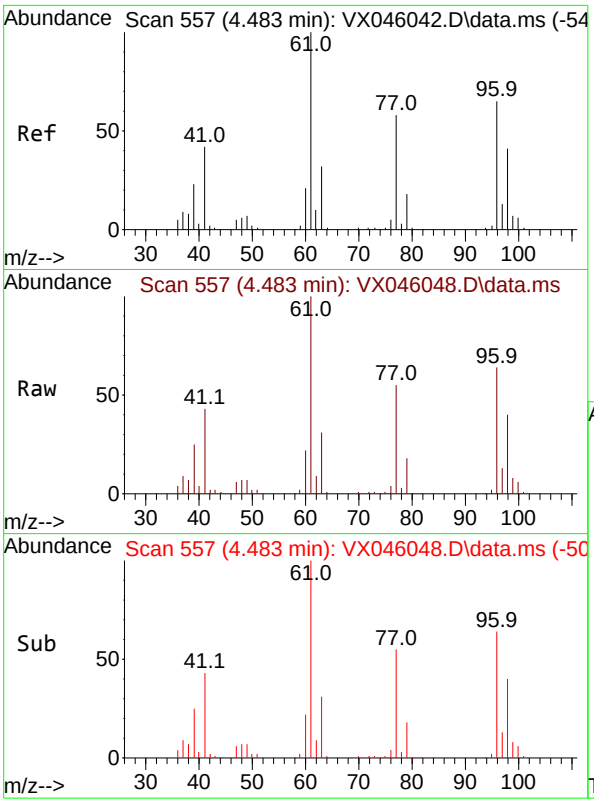


#26
2,2-Dichloropropane
Concen: 49.934 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 77 Resp: 88229

Ion	Ratio	Lower	Upper
77	100		
97	21.0	10.5	31.5



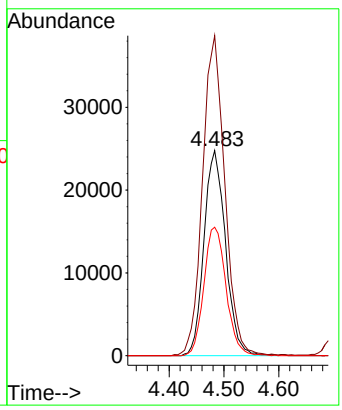


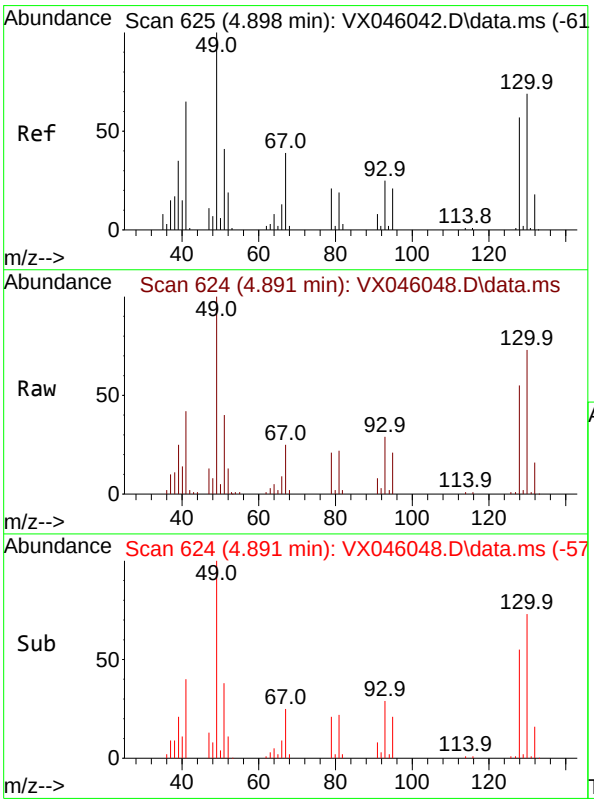
#27
cis-1,2-Dichloroethene
Concen: 50.956 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 96 Resp: 67727

Ion	Ratio	Lower	Upper
96	100		
61	160.7	0.0	322.8
98	64.4	0.0	129.0

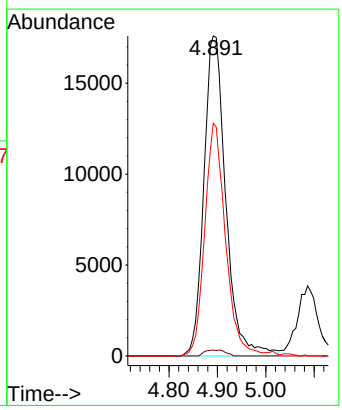


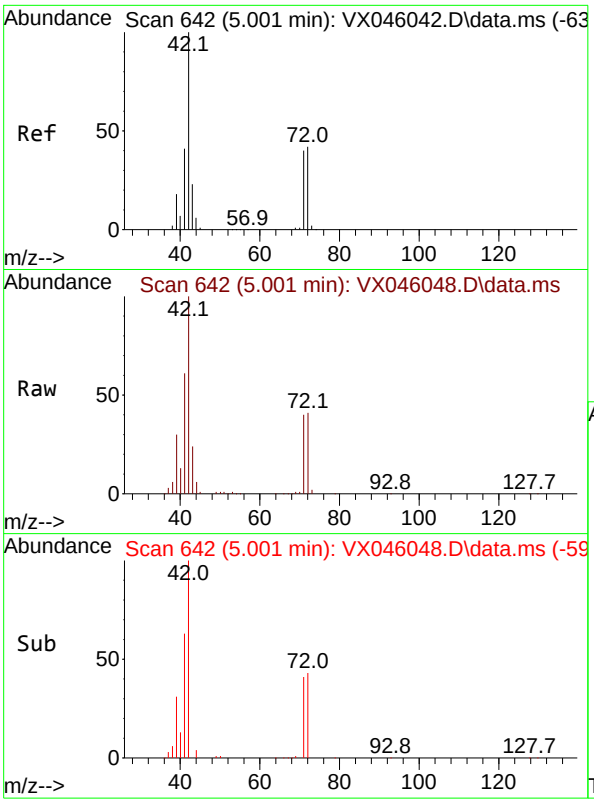


#28
Bromochloromethane
Concen: 50.975 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 49 Resp: 55390

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	68.7	56.2	84.2



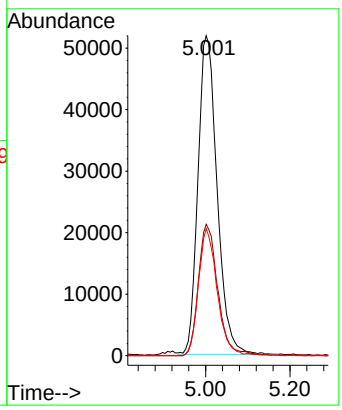


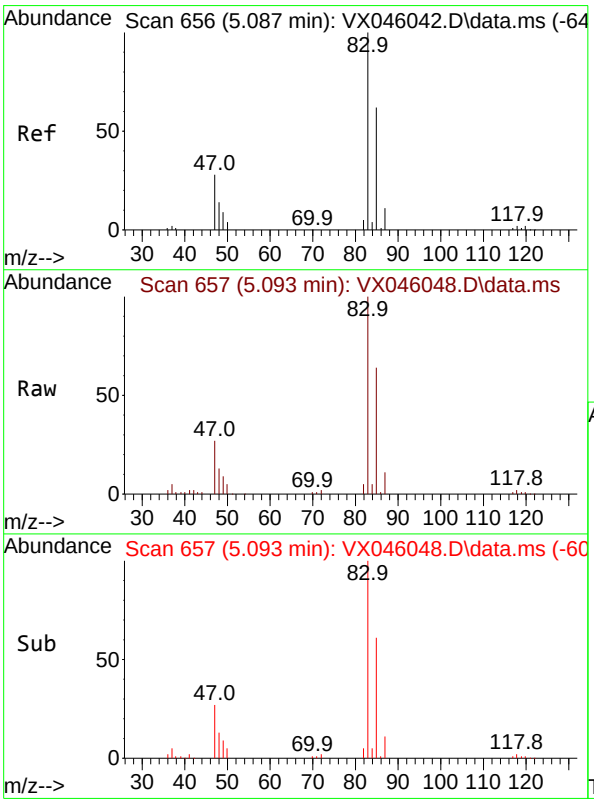
#29
Tetrahydrofuran
Concen: 259.958 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 42 Resp: 163675

Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.7	50.5
71	38.5	31.4	47.2

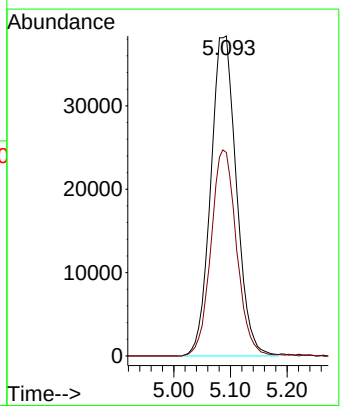


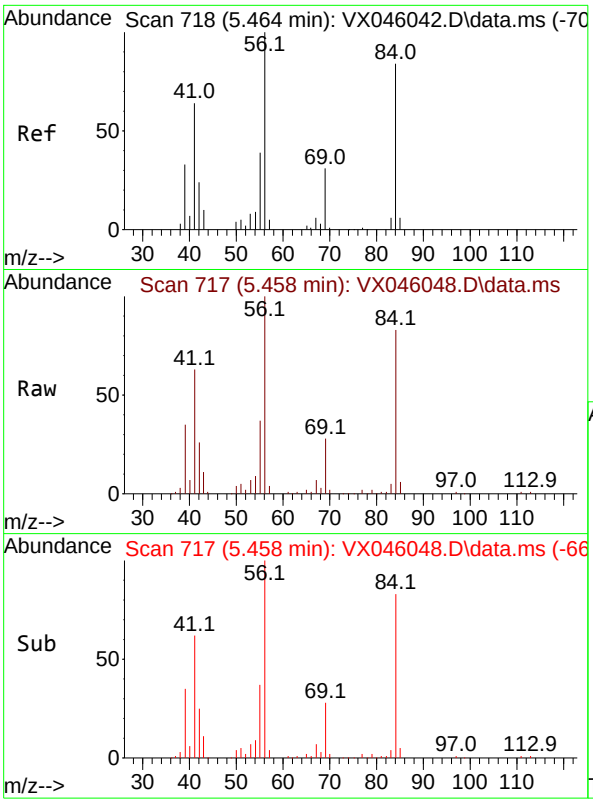


#30
Chloroform
Concen: 51.332 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 83 Resp: 120782

Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.3	73.9



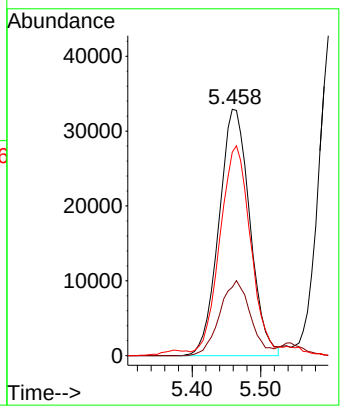


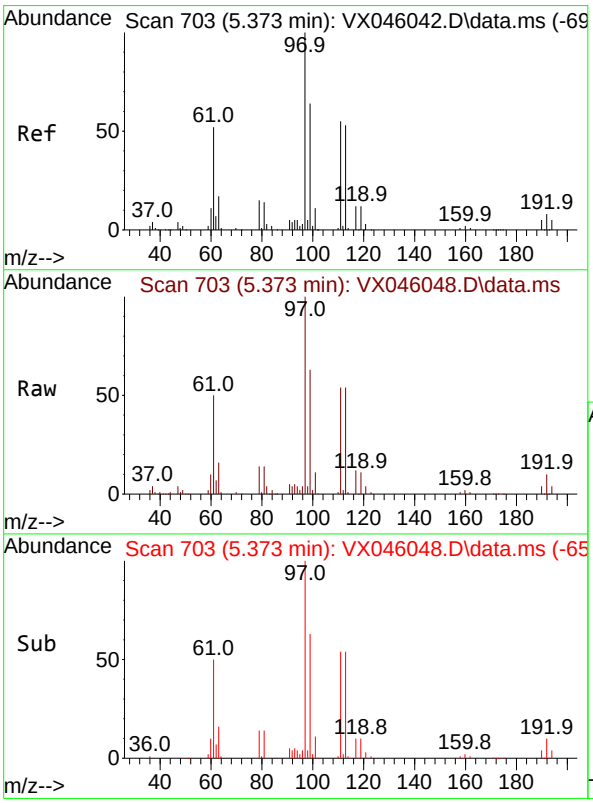
#31
Cyclohexane
Concen: 50.147 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 56 Resp: 103158

Ion	Ratio	Lower	Upper
56	100		
69	27.8	24.4	36.6
84	80.5	66.9	100.3

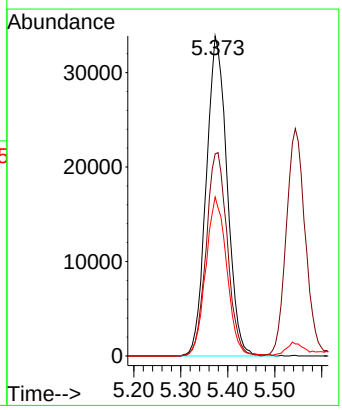


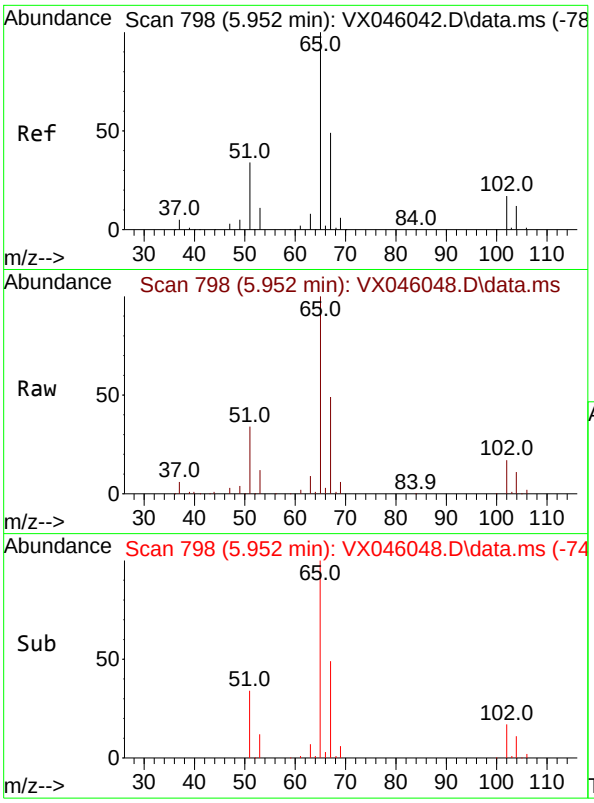


#32
1,1,1-Trichloroethane
Concen: 51.108 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 97 Resp: 104243

Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.6
61	50.2	40.1	60.1



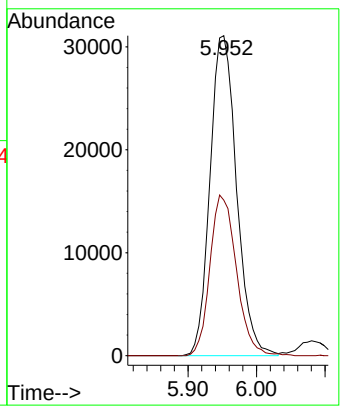


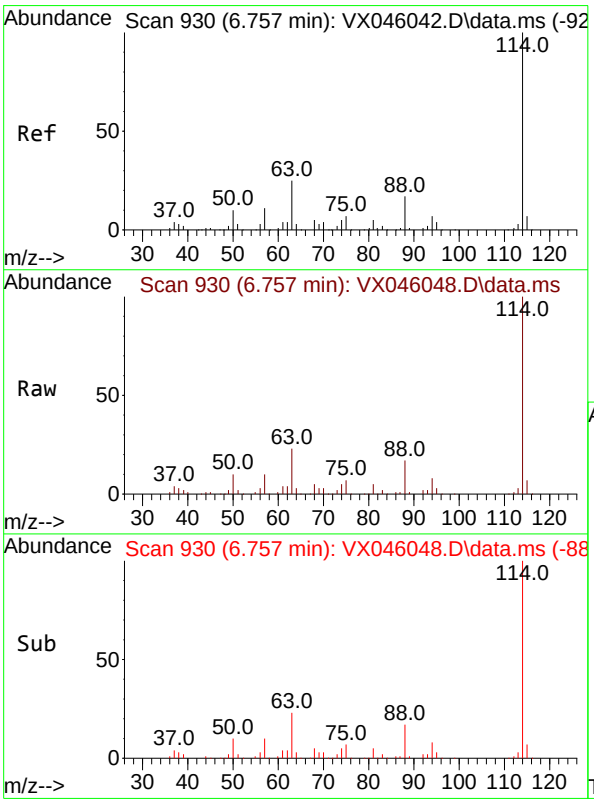
#33
1,2-Dichloroethane-d4
Concen: 48.509 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 65 Resp: 83733

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	99.0

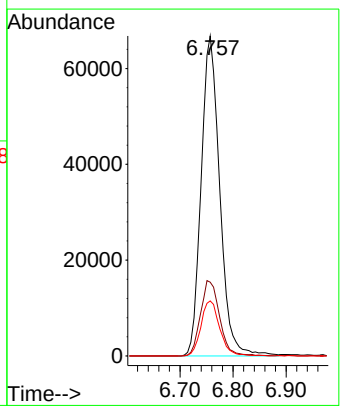


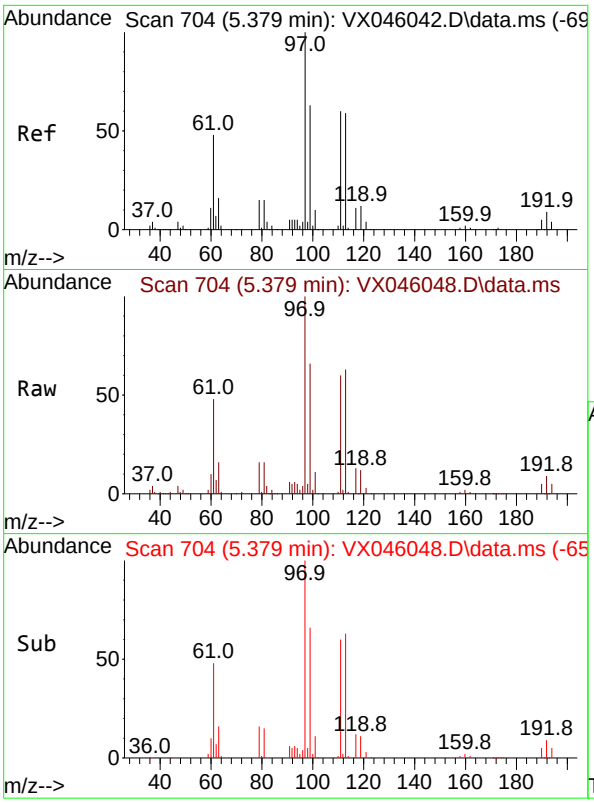


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:114 Resp: 162651

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	49.2
88	17.2	0.0	33.6



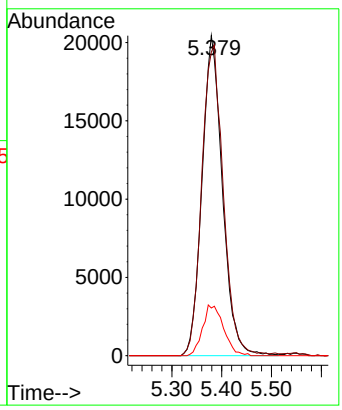


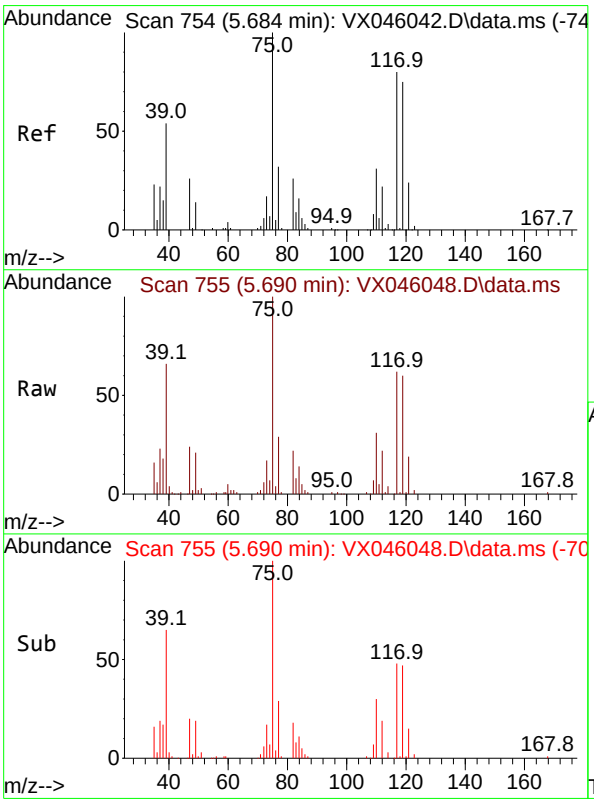
#35
Dibromofluoromethane
Concen: 49.683 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:113 Resp: 58192

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.1	124.7
192	16.2	13.3	19.9

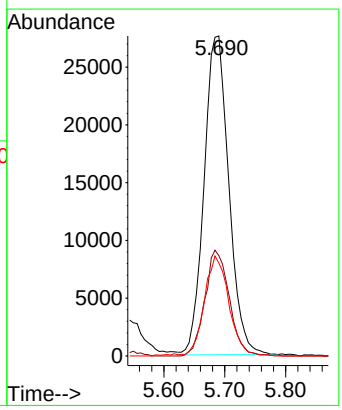


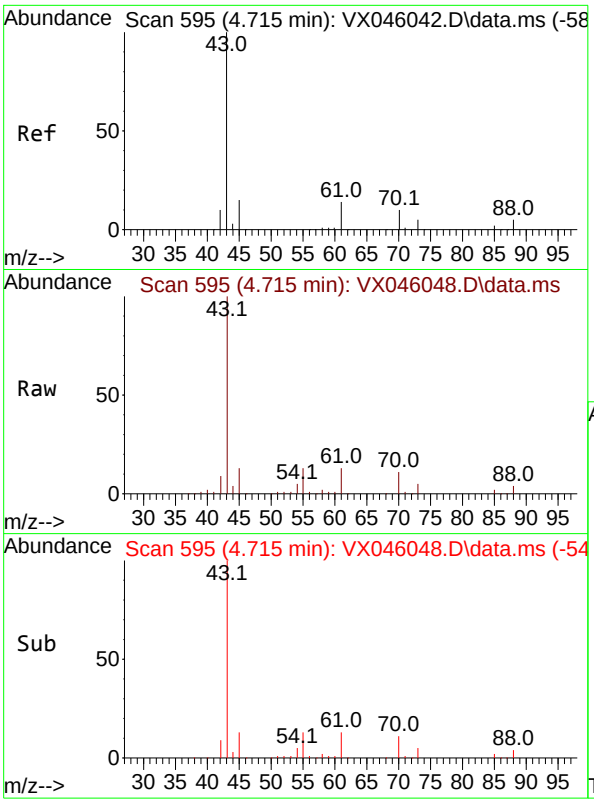


#36
1,1-Dichloropropene
Concen: 49.521 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 77931

Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.3	48.9
77	31.1	24.3	36.5



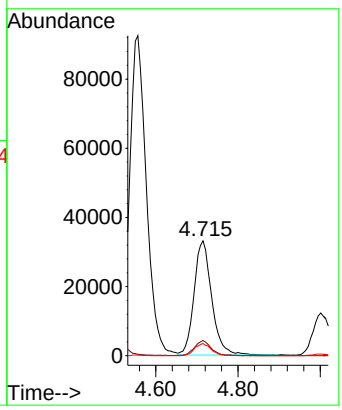


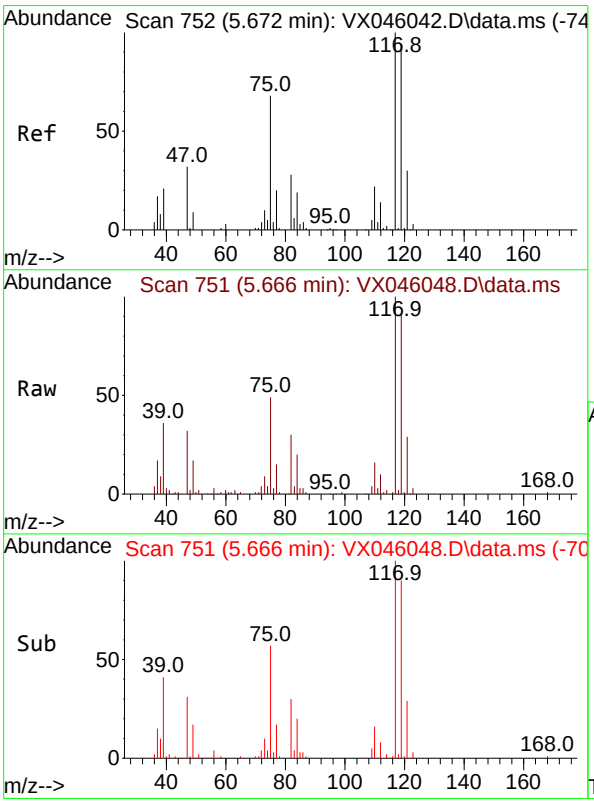
#37
Ethyl Acetate
Concen: 50.714 ug/l
RT: 4.715 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 43 Resp: 98604

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	10.0	7.9	11.9

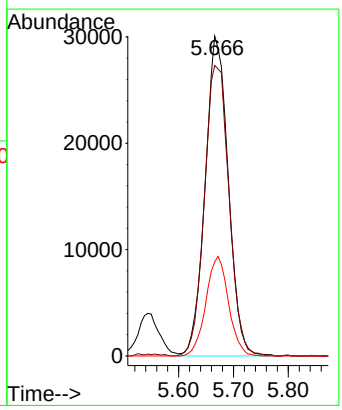


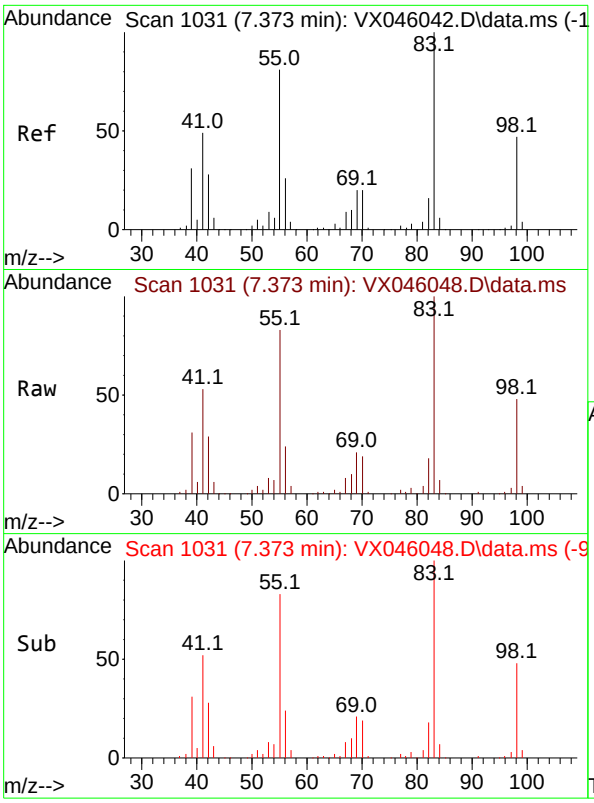


#38
Carbon Tetrachloride
Concen: 49.825 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 88100

Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.2	112.8
121	29.4	24.2	36.4



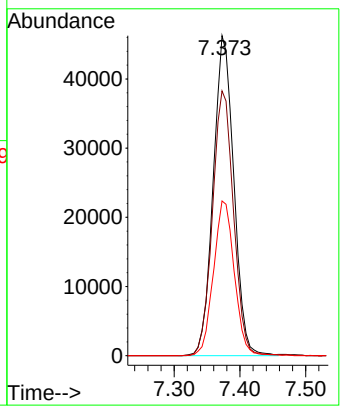


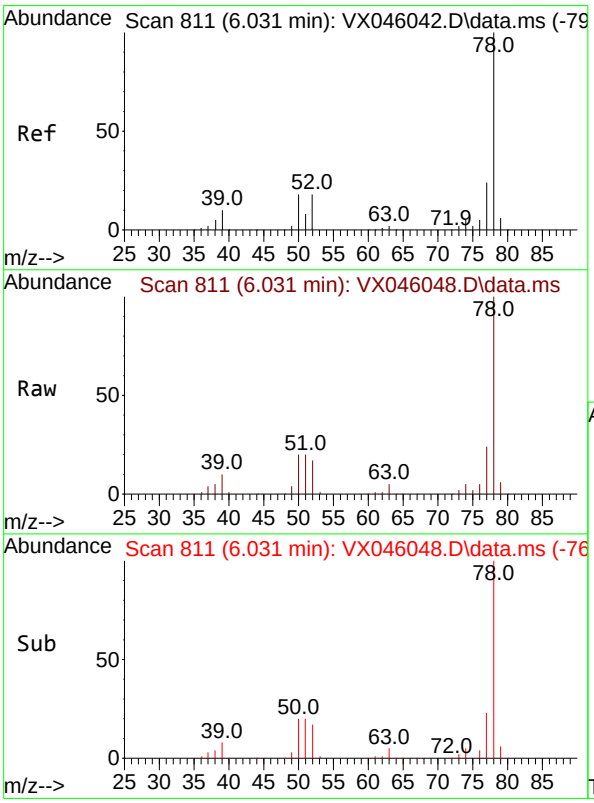
#39
Methylcyclohexane
Concen: 49.757 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 83 Resp: 100808

Ion	Ratio	Lower	Upper
83	100		
55	82.7	64.7	97.1
98	48.3	37.4	56.2

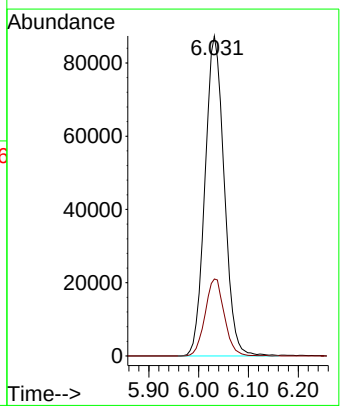


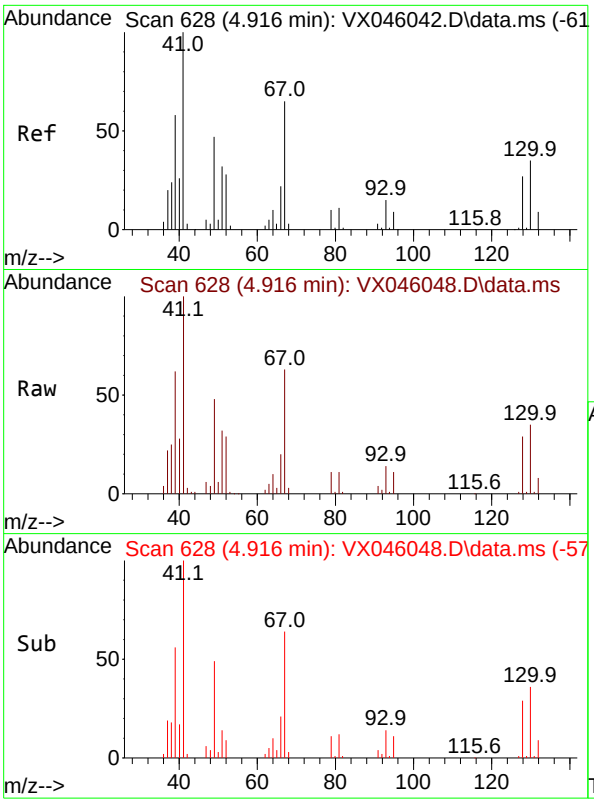


#40
Benzene
Concen: 50.759 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 78 Resp: 233977

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4



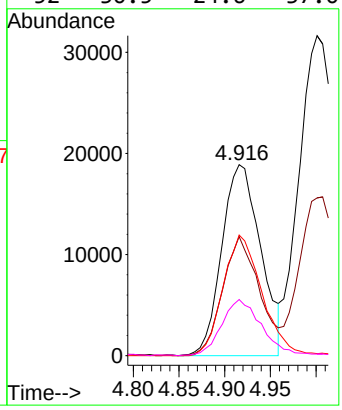


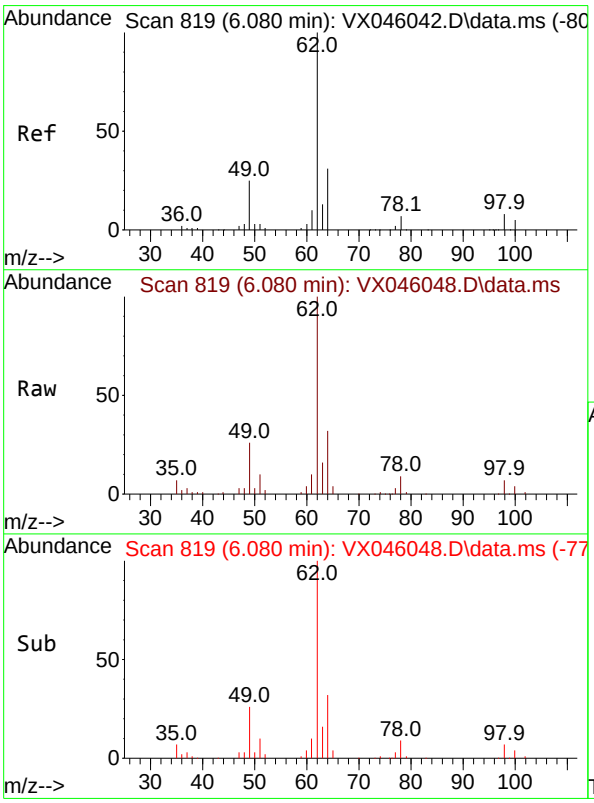
#41
Methacrylonitrile
Concen: 55.076 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 41 Resp: 56017

Ion	Ratio	Lower	Upper
41	100		
39	58.7	47.2	70.8
67	63.7	50.7	76.1
52	30.5	24.6	37.0

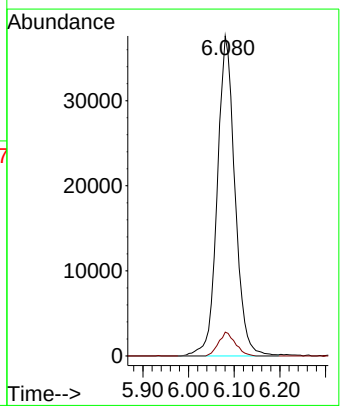


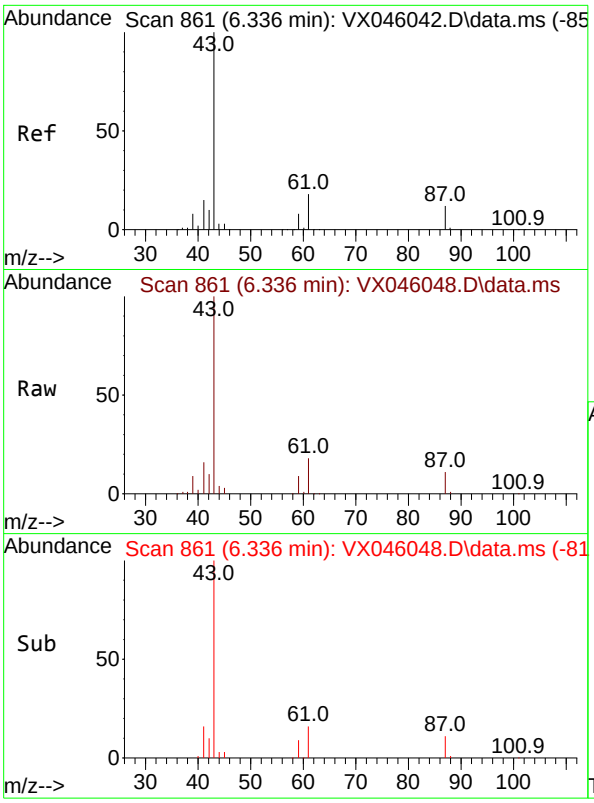


#42
1,2-Dichloroethane
Concen: 50.861 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 62 Resp: 101185

Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	15.2



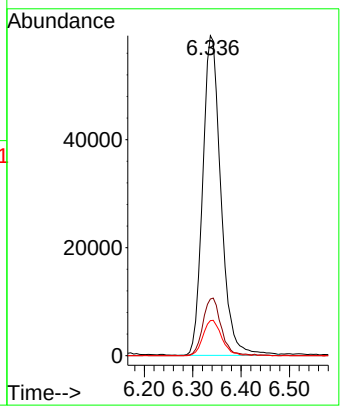


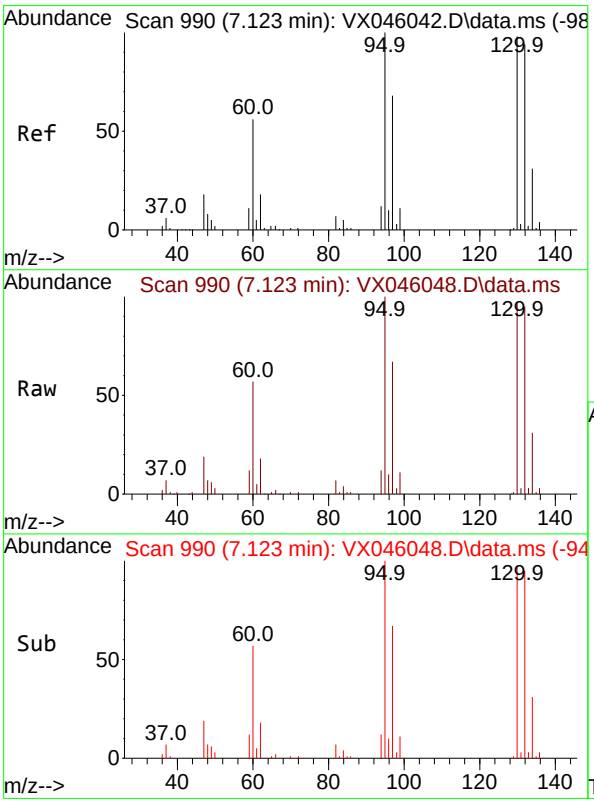
#43
Isopropyl Acetate
Concen: 52.195 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 43 Resp: 154818

Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.3	21.5
87	11.4	9.5	14.3

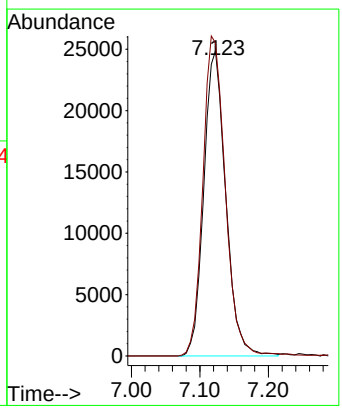


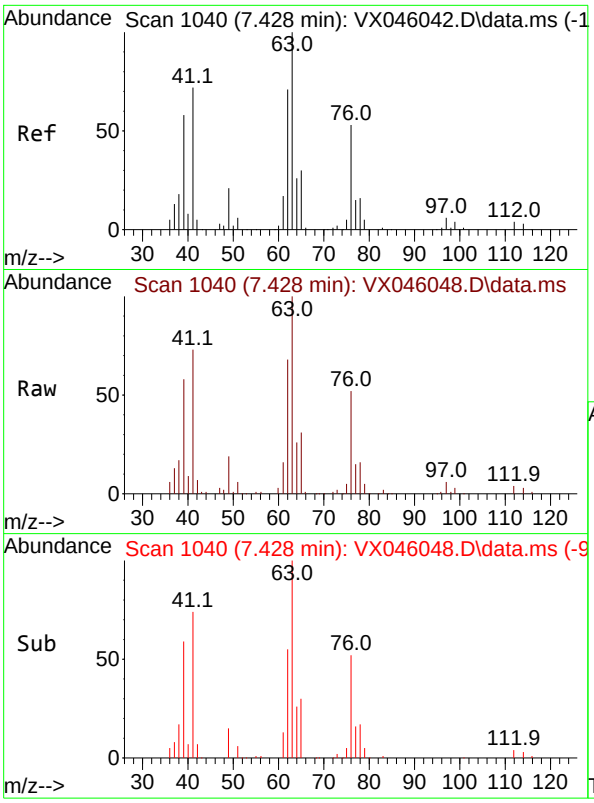


#44
Trichloroethene
Concen: 50.018 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:130 Resp: 55491

Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	204.2



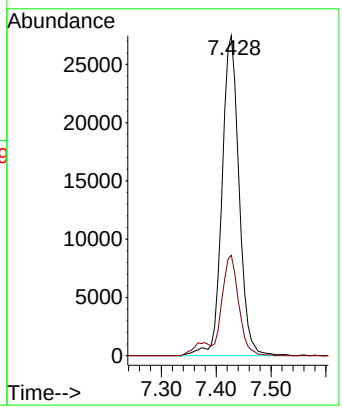


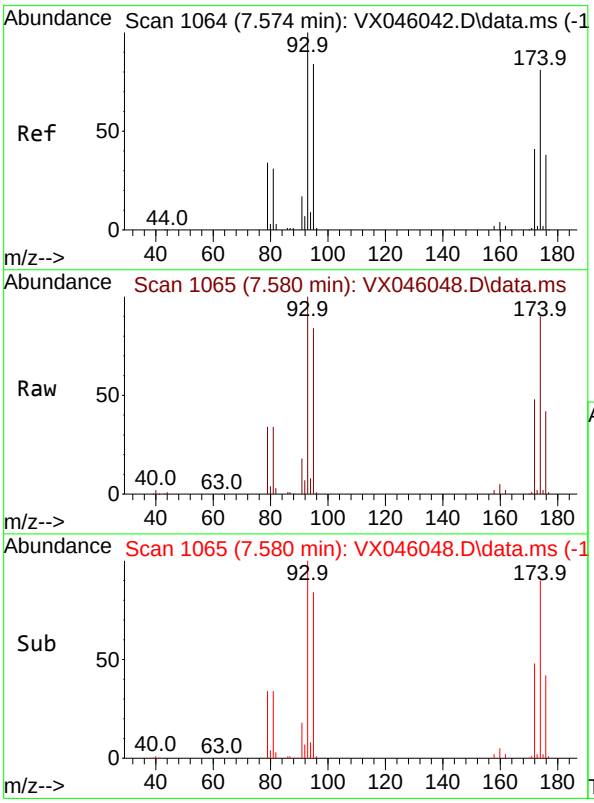
#45
1,2-Dichloropropane
Concen: 51.983 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 63 Resp: 59582

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.1	36.1

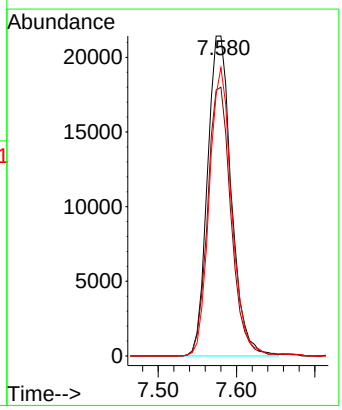


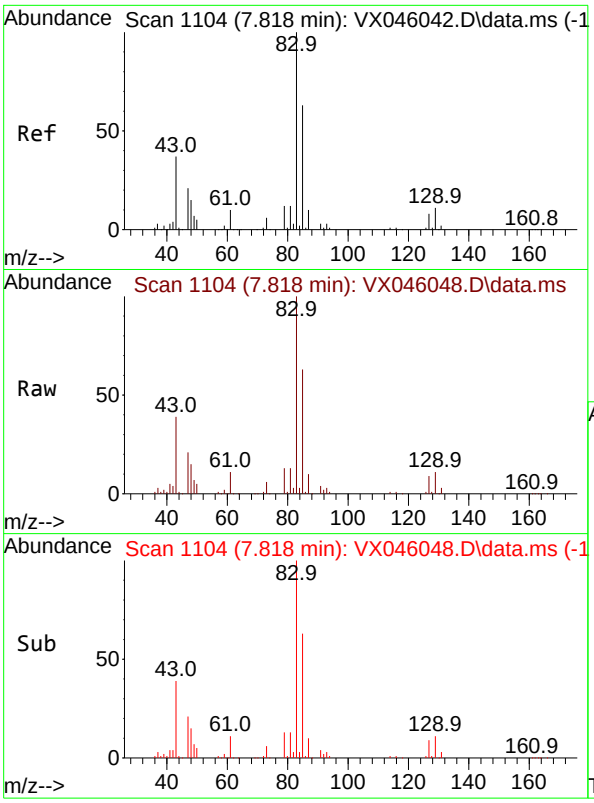


#46
Dibromomethane
Concen: 49.978 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 93 Resp: 45181

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.6	98.4
174	84.8	68.2	102.2



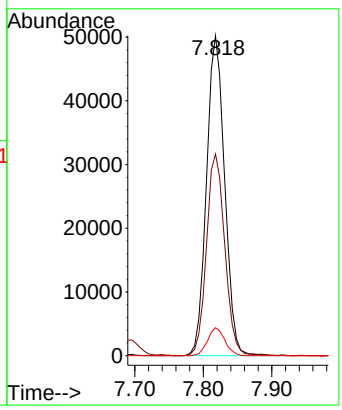


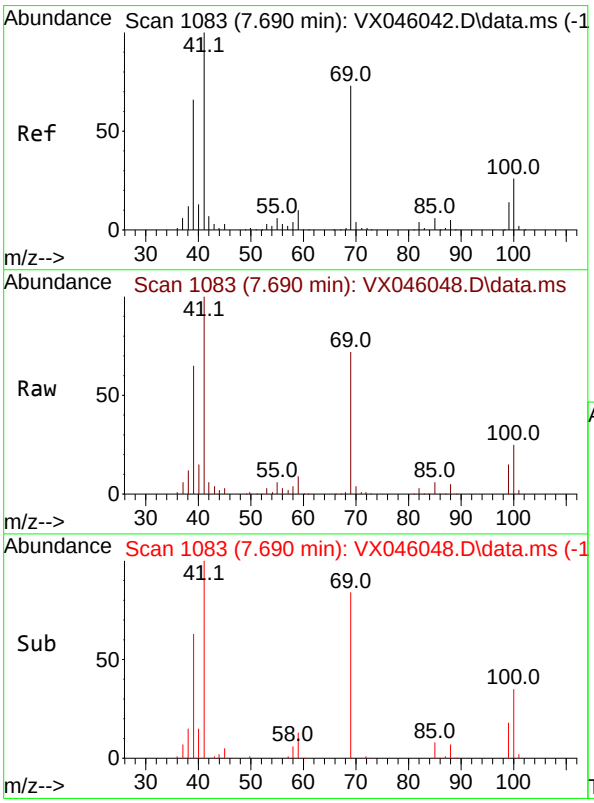
#47
Bromodichloromethane
Concen: 51.889 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 83 Resp: 92388

Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.5	75.7
127	8.8	6.5	9.7

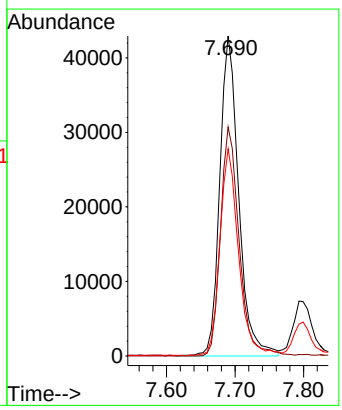


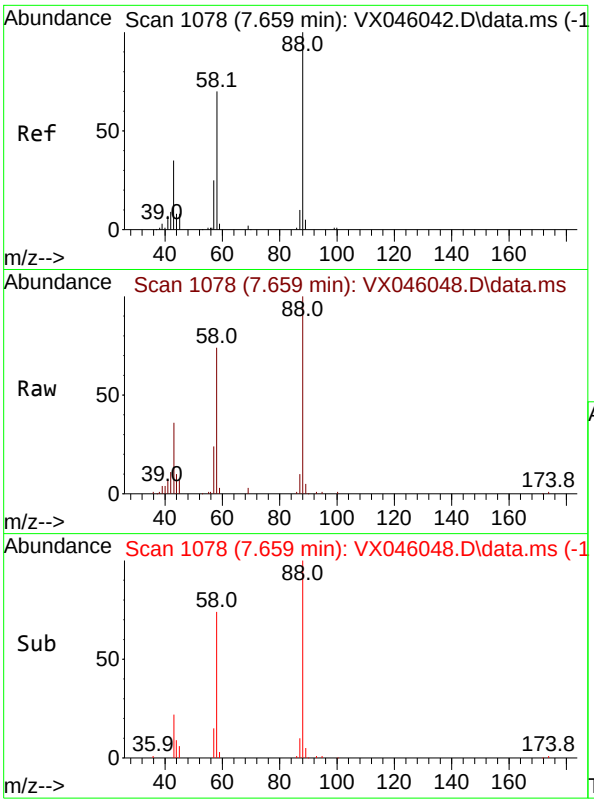


#48
Methyl methacrylate
Concen: 54.226 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 41 Resp: 82144

Ion	Ratio	Lower	Upper
41	100		
69	70.4	58.5	87.7
39	64.2	51.7	77.5



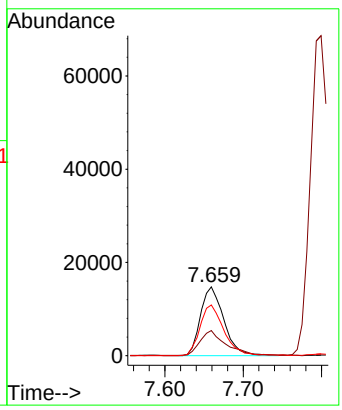


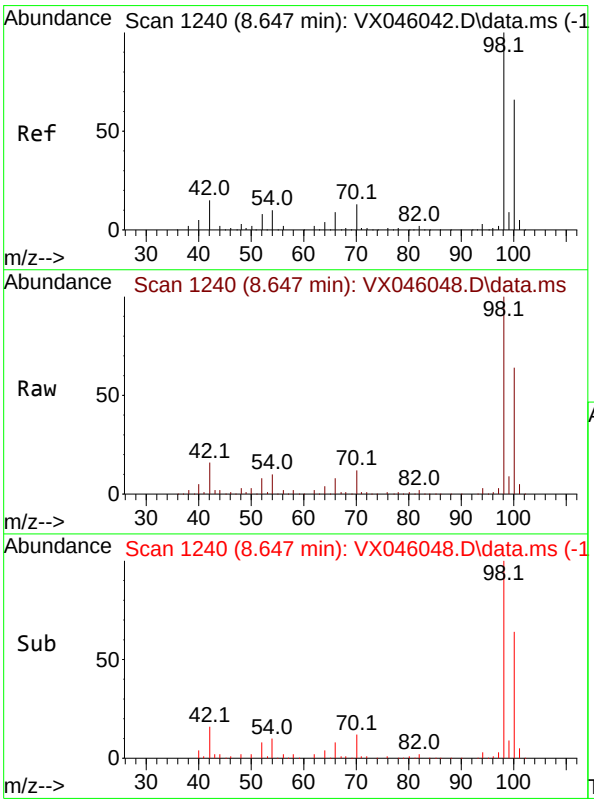
#49
1,4-Dioxane
Concen: 1059.599 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 88 Resp: 30477

Ion	Ratio	Lower	Upper
88	100		
43	39.9	33.4	50.2
58	76.2	58.6	88.0

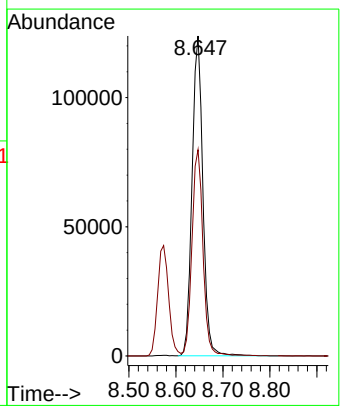


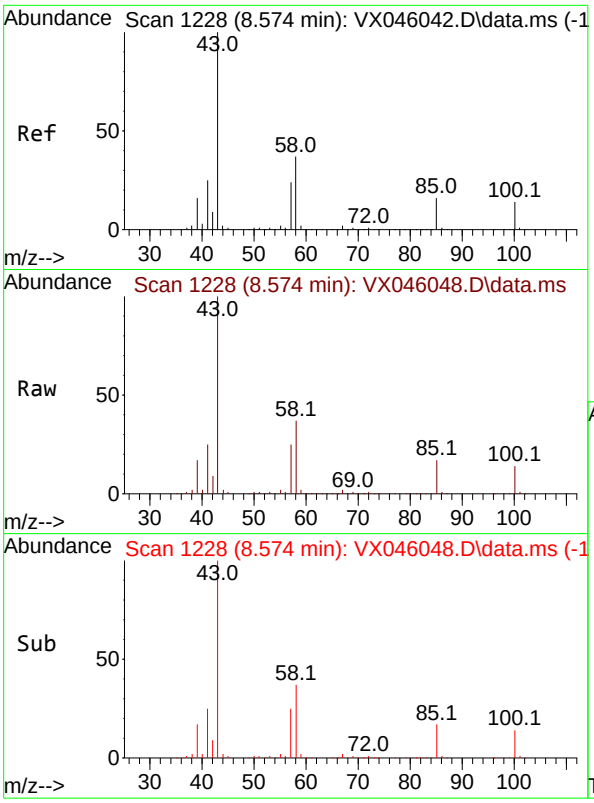


#50
Toluene-d8
Concen: 48.984 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 98 Resp: 198575

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.5	80.3



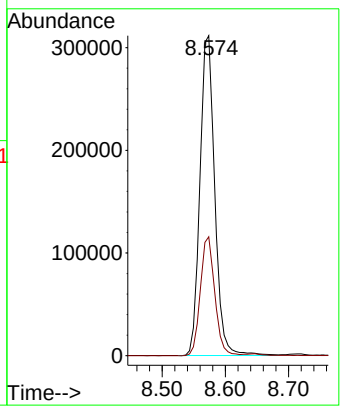


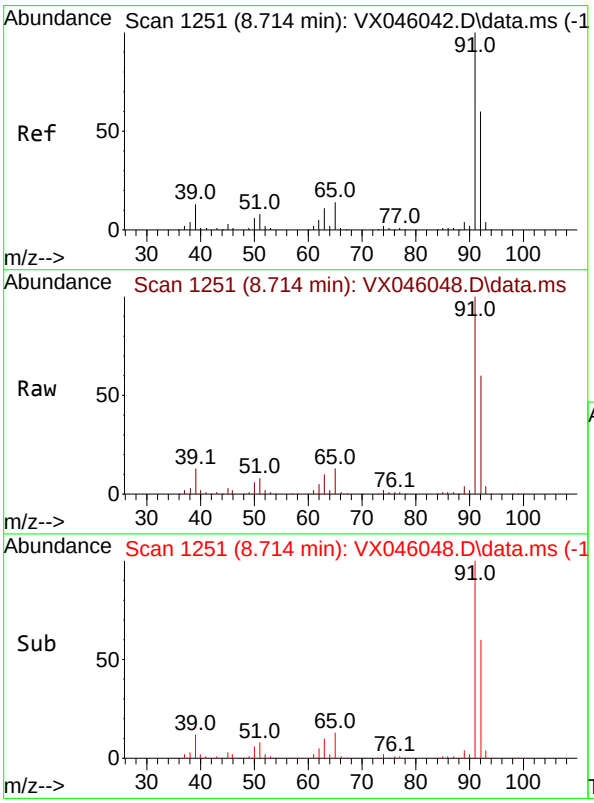
#51
4-Methyl-2-Pentanone
Concen: 259.133 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 43 Resp: 510206

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.9	43.3

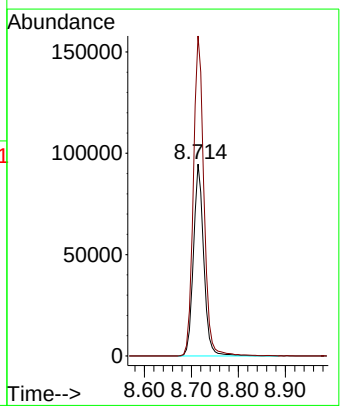


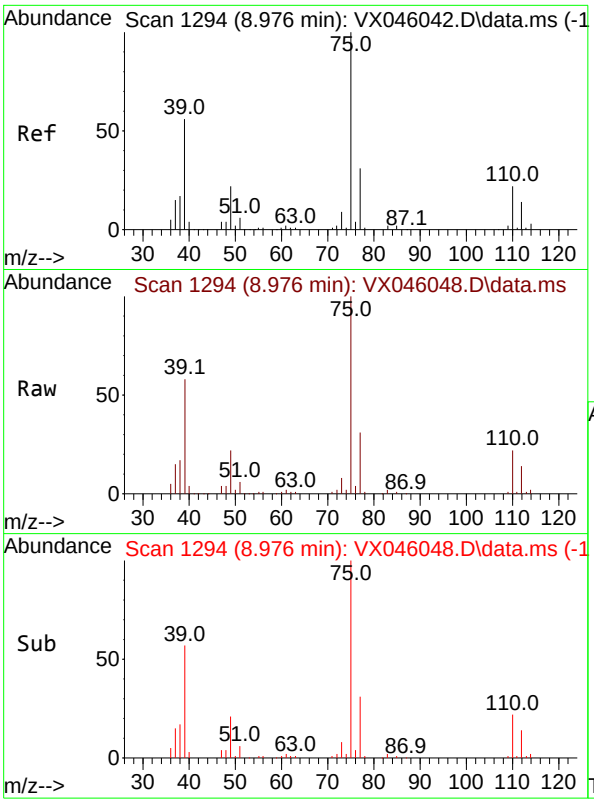


#52
Toluene
Concen: 51.150 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 92 Resp: 144574

Ion	Ratio	Lower	Upper
92	100		
91	171.4	136.6	205.0



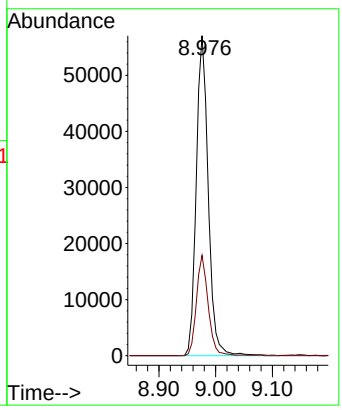


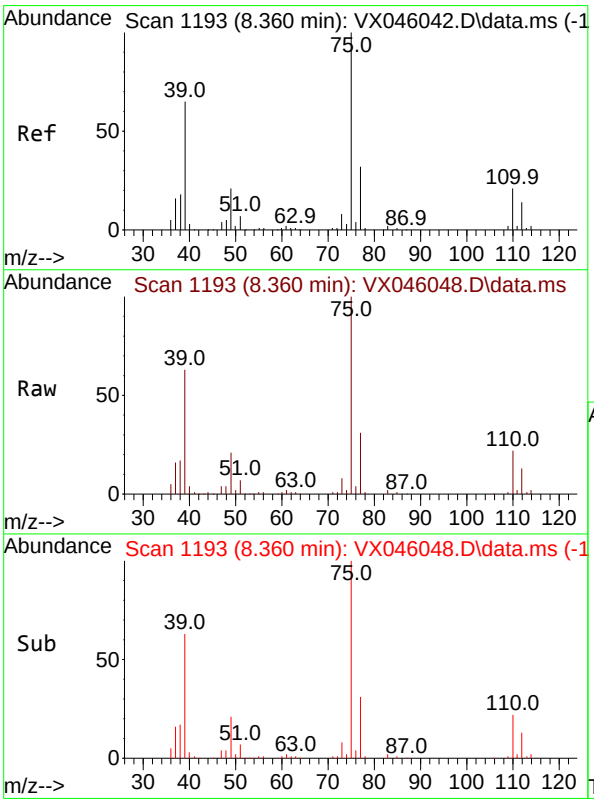
#53
t-1,3-Dichloropropene
Concen: 52.920 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 75 Resp: 83751

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6

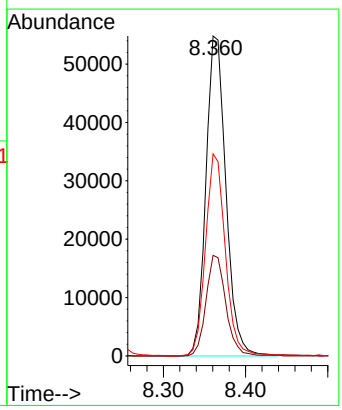


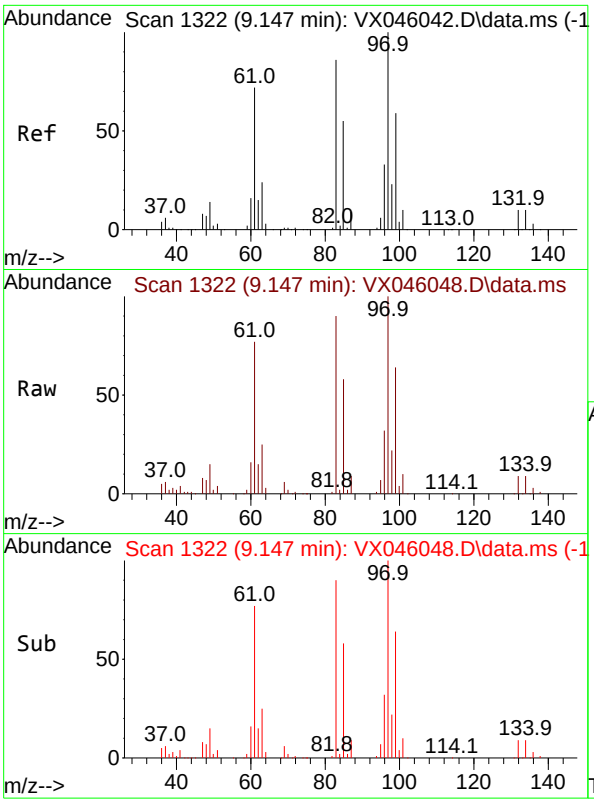


#54
cis-1,3-Dichloropropene
Concen: 52.892 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 92517

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	63.2	52.2	78.4



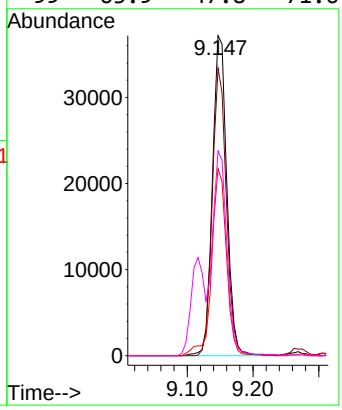


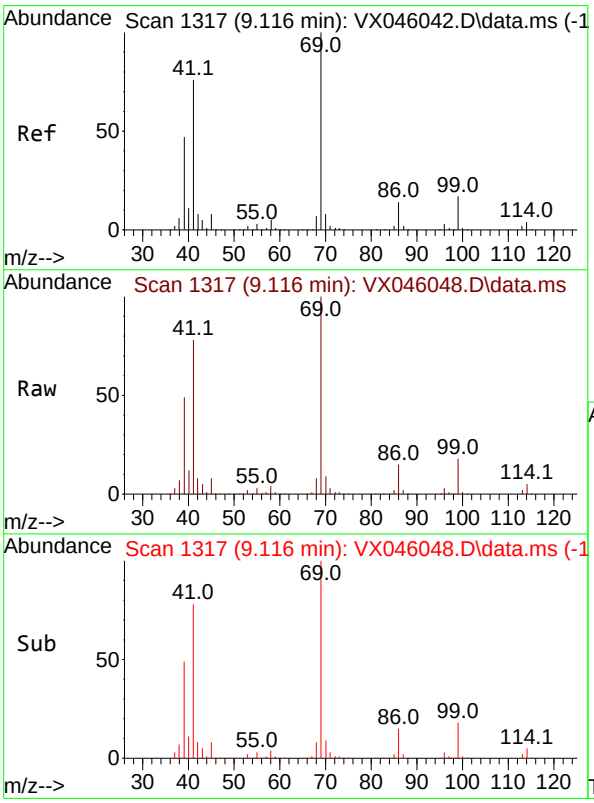
#55
1,1,2-Trichloroethane
Concen: 50.887 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 97 Resp: 56713

Ion	Ratio	Lower	Upper
97	100		
83	89.8	69.0	103.6
85	58.4	44.3	66.5
99	63.9	47.8	71.6

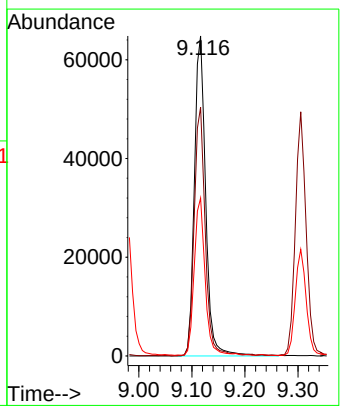


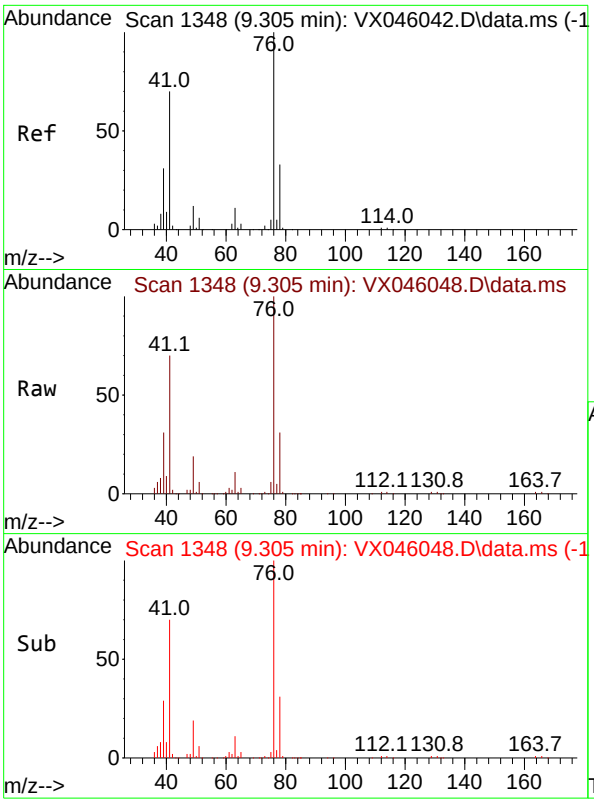


#56
Ethyl methacrylate
Concen: 53.918 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 69 Resp: 95772

Ion	Ratio	Lower	Upper
69	100		
41	76.1	60.8	91.2
39	47.4	39.0	58.6



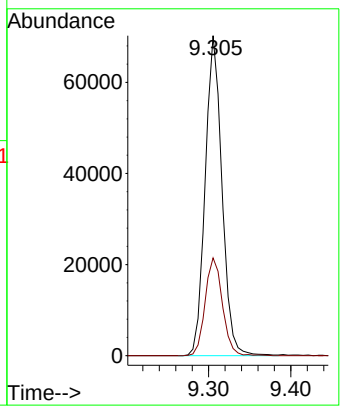


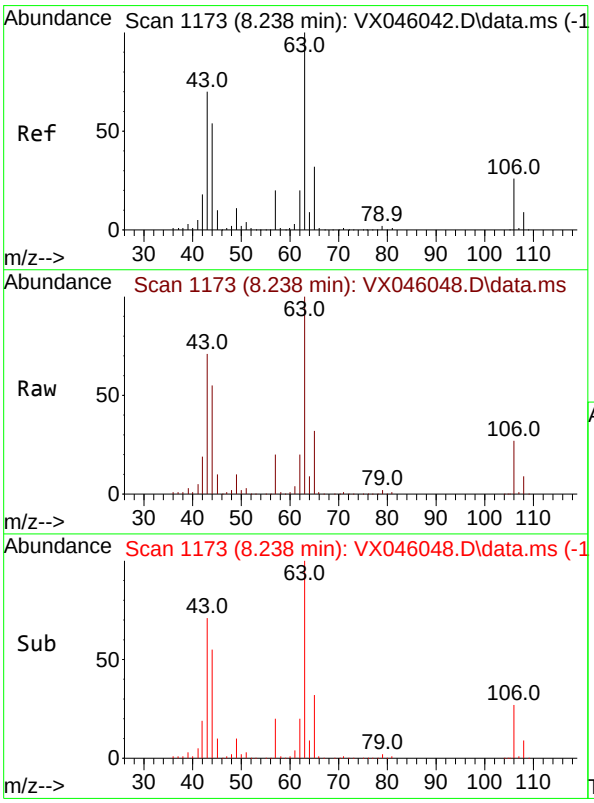
#57
1,3-Dichloropropane
Concen: 49.793 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 76 Resp: 99663

Ion	Ratio	Lower	Upper
76	100		
78	31.4	26.3	39.5

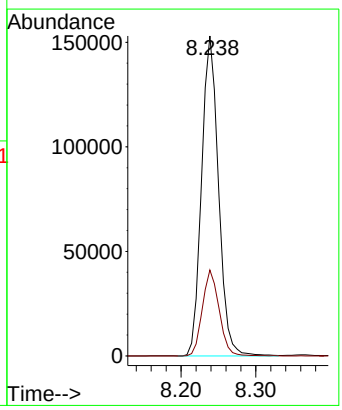


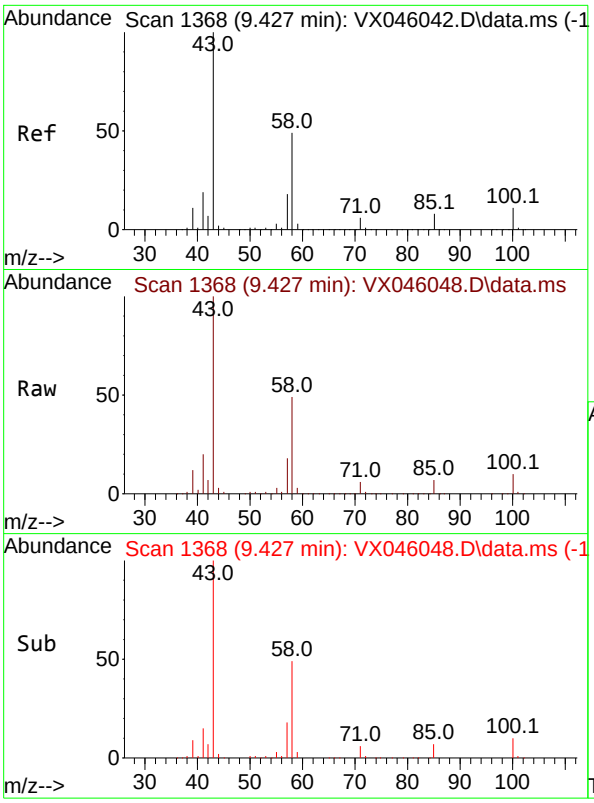


#58
2-Chloroethyl Vinyl ether
Concen: 265.780 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 63 Resp: 240681

Ion	Ratio	Lower	Upper
63	100		
106	26.6	21.5	32.3



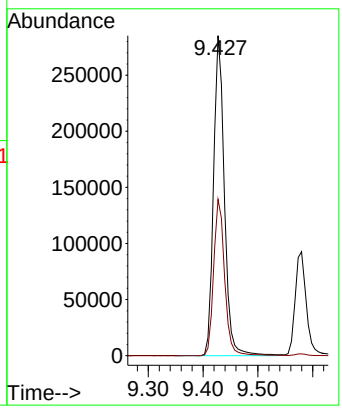


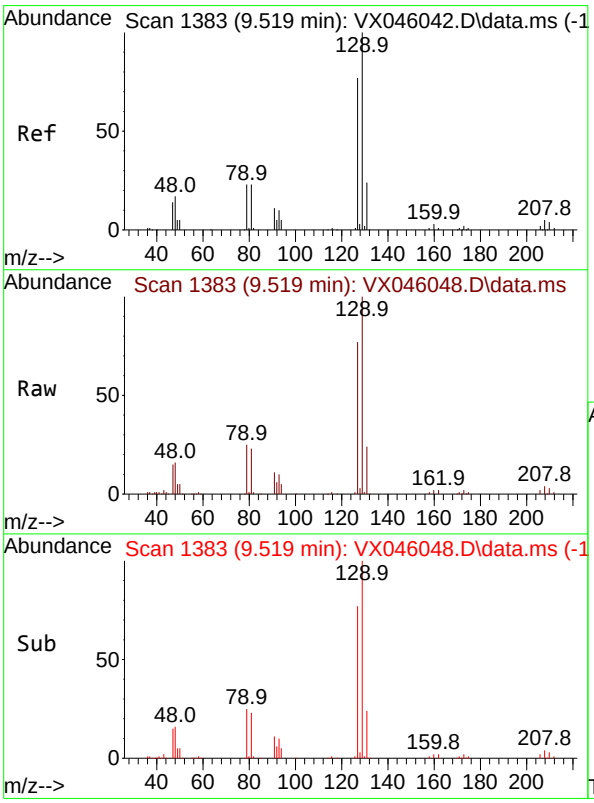
#59
2-Hexanone
Concen: 268.218 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 43 Resp: 390701

Ion	Ratio	Lower	Upper
43	100		
58	49.6	24.9	74.6

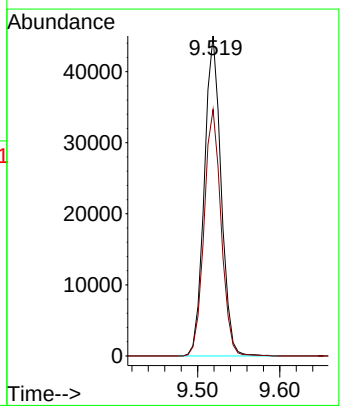


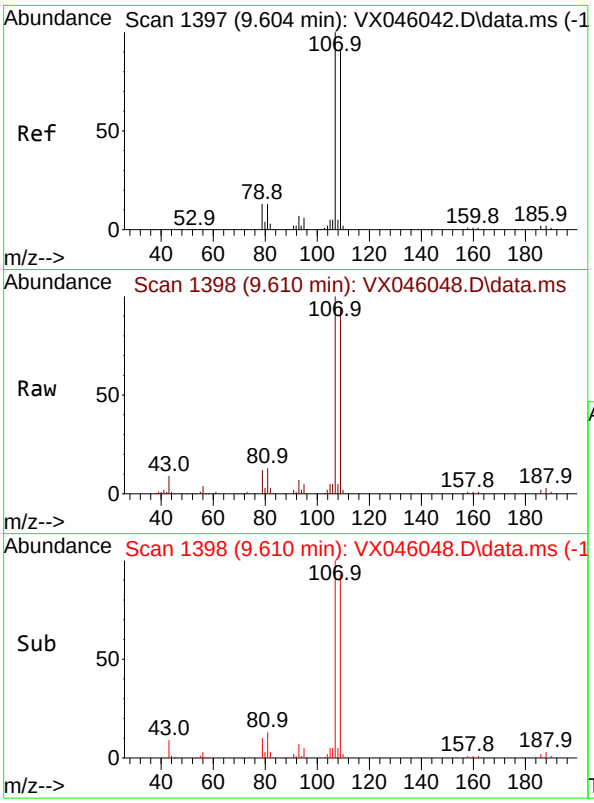


#60
Dibromochloromethane
Concen: 52.075 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:129 Resp: 63738

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.3	117.8



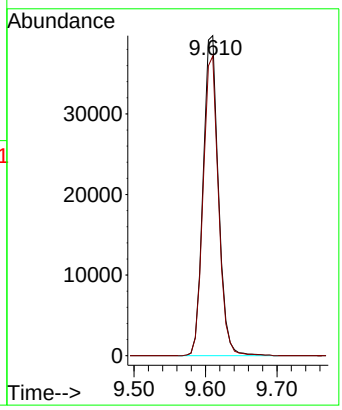


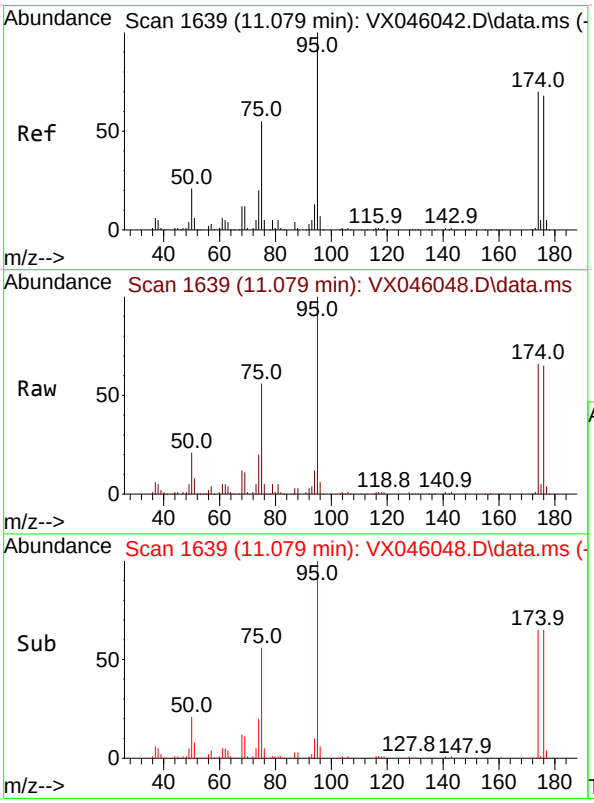
#61
1,2-Dibromoethane
Concen: 51.050 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:107 Resp: 59134

Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.3	109.9

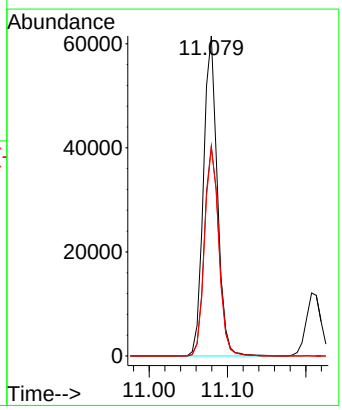


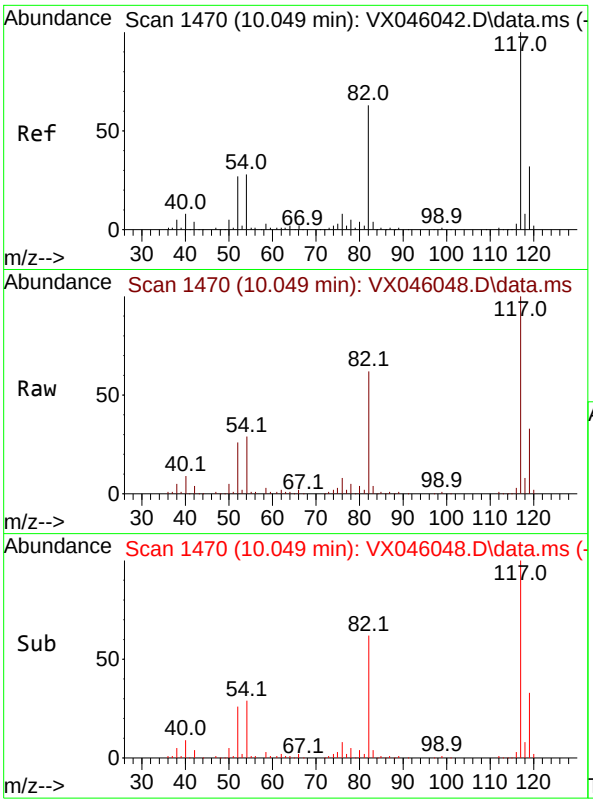


#62
4-Bromofluorobenzene
Concen: 48.596 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 95 Resp: 75568

Ion	Ratio	Lower	Upper
95	100		
174	68.2	0.0	135.8
176	66.5	0.0	131.4



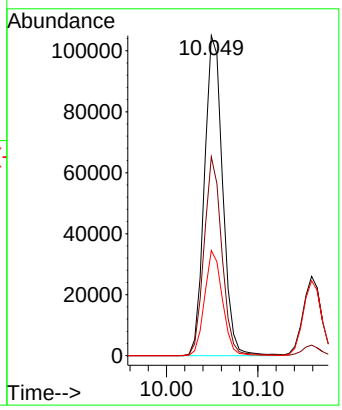


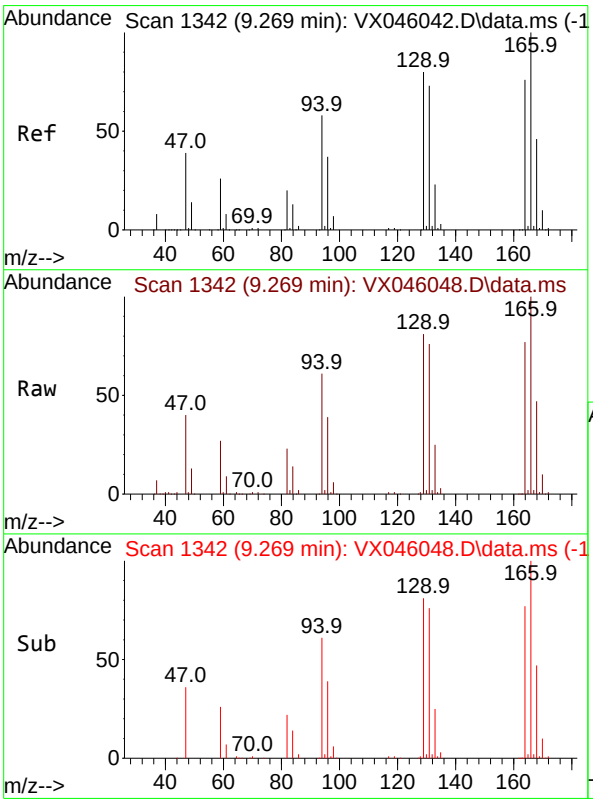
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:117 Resp: 145078

Ion	Ratio	Lower	Upper
117	100		
82	62.1	50.6	76.0
119	32.9	25.8	38.6

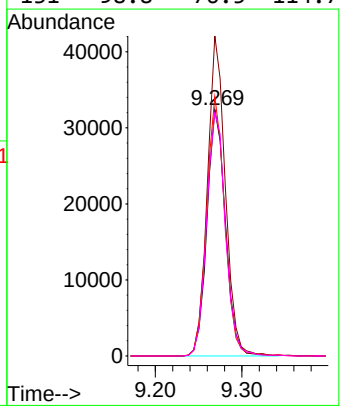


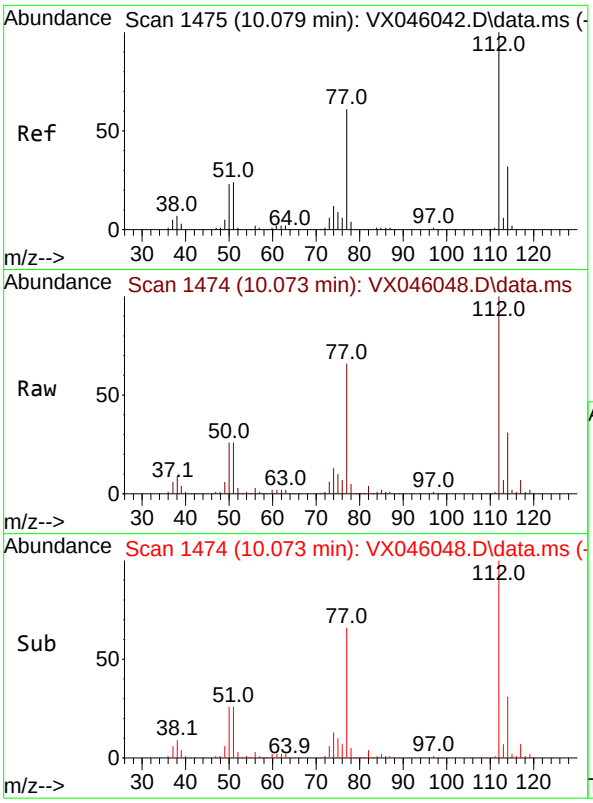


#64
Tetrachloroethene
Concen: 46.795 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:164 Resp: 48034

Ion	Ratio	Lower	Upper
164	100		
166	129.9	105.0	157.6
129	105.3	83.5	125.3
131	98.8	76.5	114.7



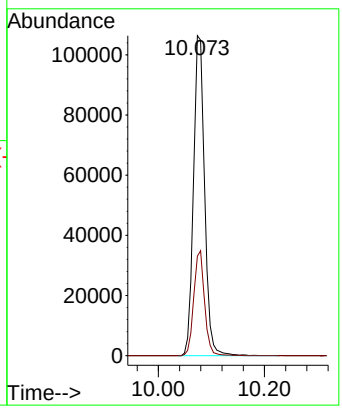


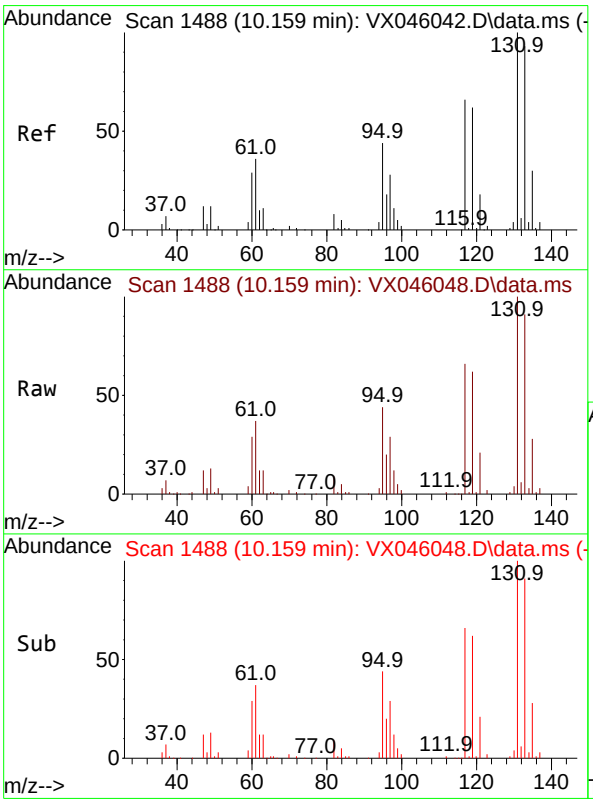
#65
Chlorobenzene
Concen: 48.699 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:112 Resp: 154640

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.4	38.2

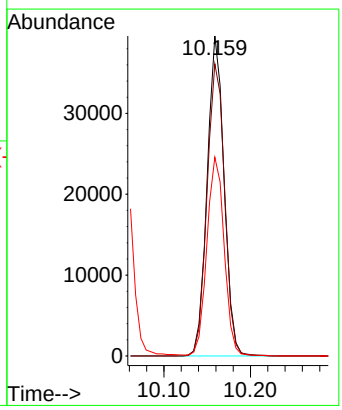


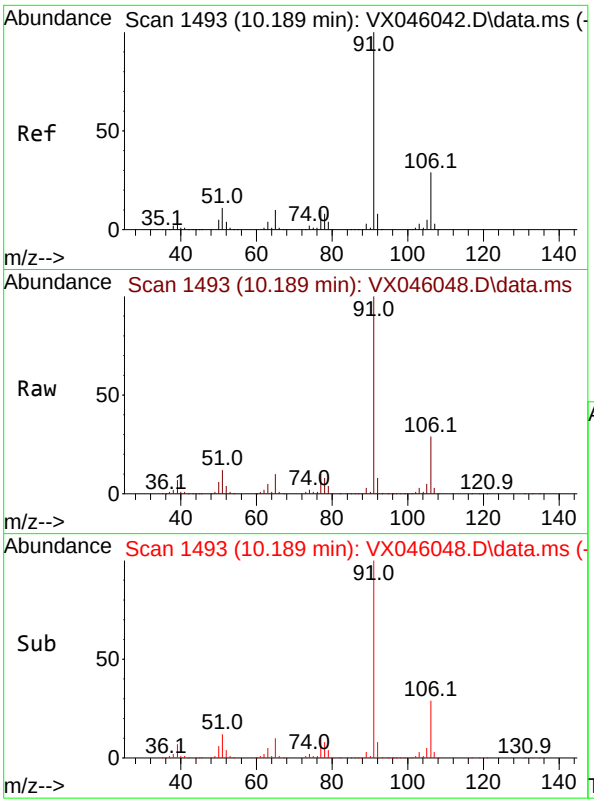


#66
1,1,1,2-Tetrachloroethane
Concen: 49.557 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:131 Resp: 53735

Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	63.7	31.6	95.0



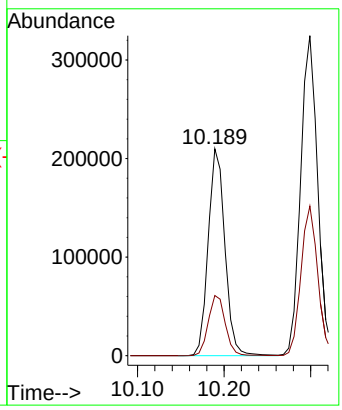


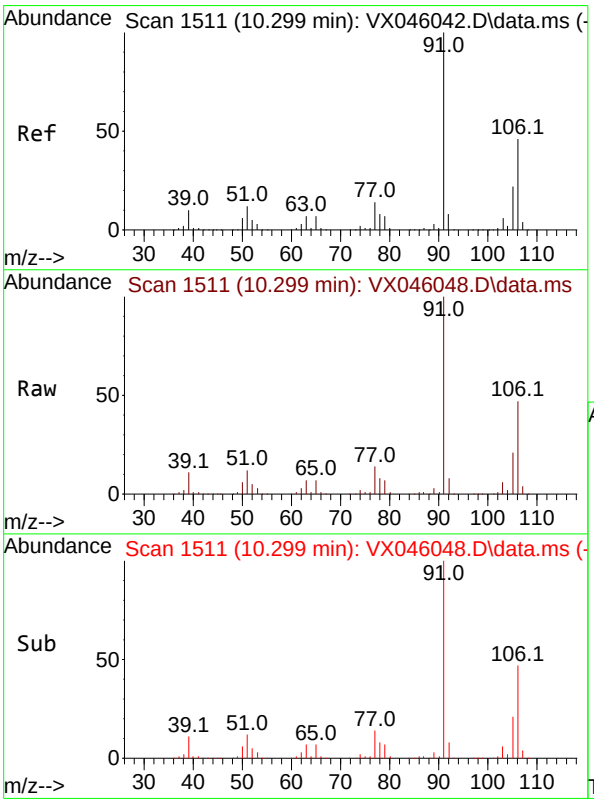
#67
Ethyl Benzene
Concen: 50.245 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 91 Resp: 281239

Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.4	35.2

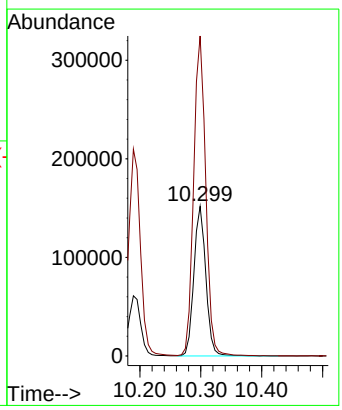


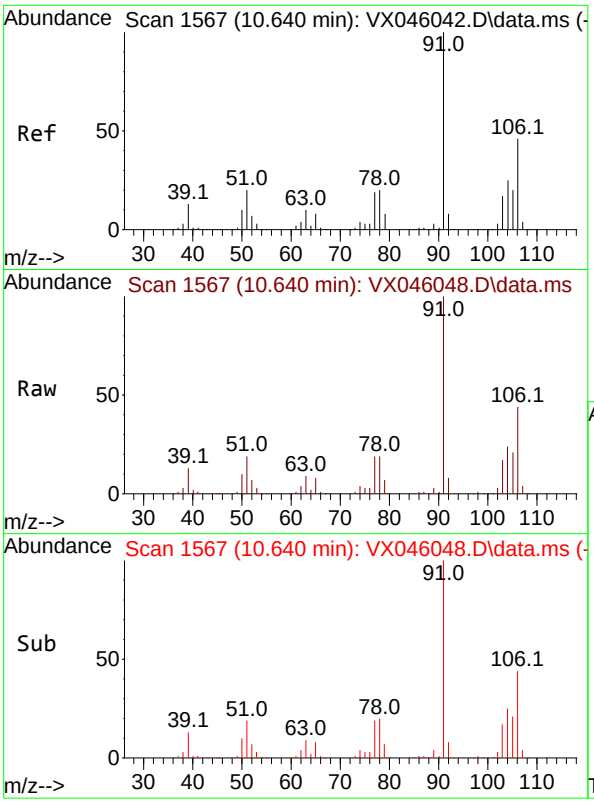


#68
m/p-Xylenes
Concen: 101.022 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:106 Resp: 206813

Ion	Ratio	Lower	Upper
106	100		
91	215.6	171.2	256.8



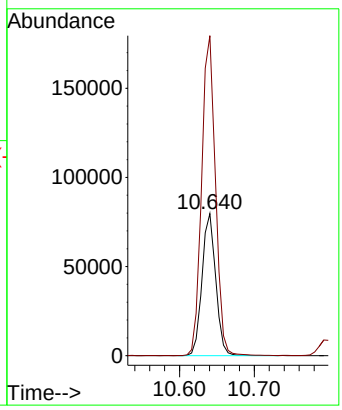


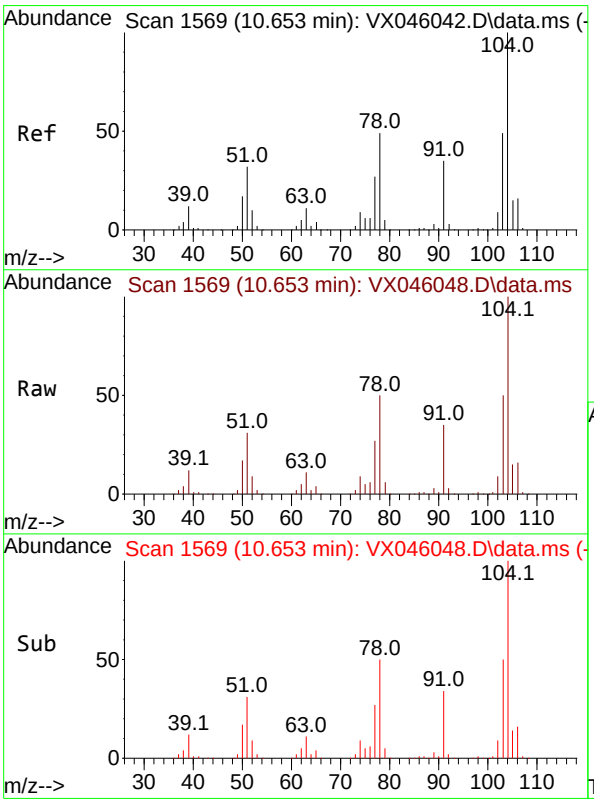
#69
o-Xylene
Concen: 50.841 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:106 Resp: 101469

Ion	Ratio	Lower	Upper
106	100		
91	227.7	112.7	338.1

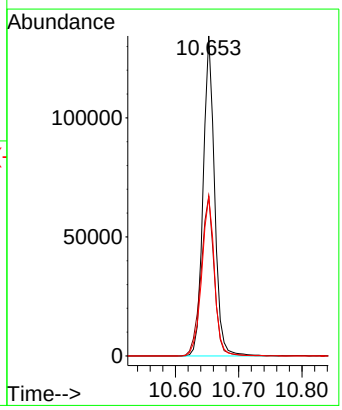


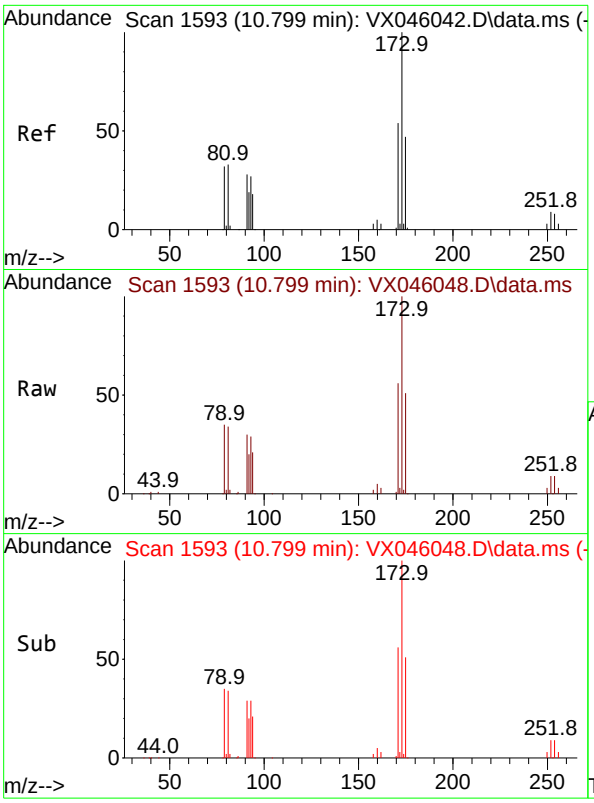


#70
Styrene
Concen: 51.907 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:104 Resp: 169703

Ion	Ratio	Lower	Upper
104	100		
78	57.6	45.7	68.5
103	55.5	43.7	65.5



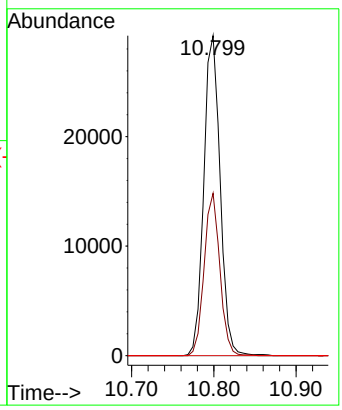


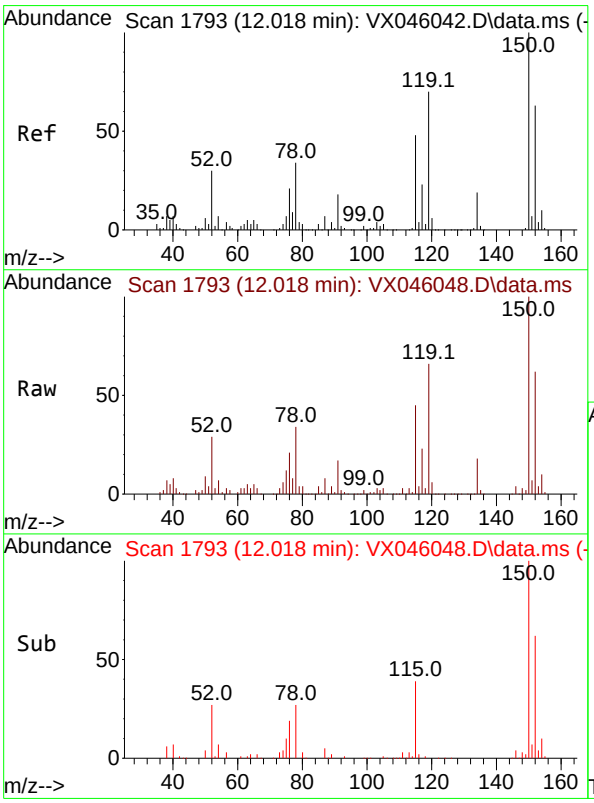
#71
Bromoform
Concen: 49.583 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:173 Resp: 40364

Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.4	70.0
254	0.0	0.0	0.0

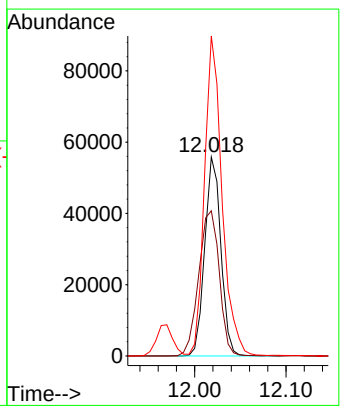


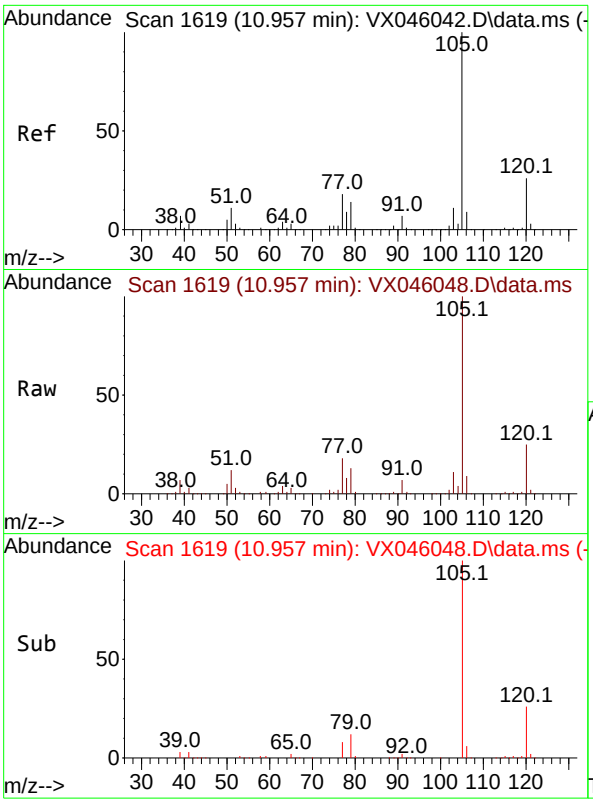


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:152 Resp: 68229

Ion	Ratio	Lower	Upper
152	100		
115	93.3	46.9	140.7
150	175.3	0.0	351.0



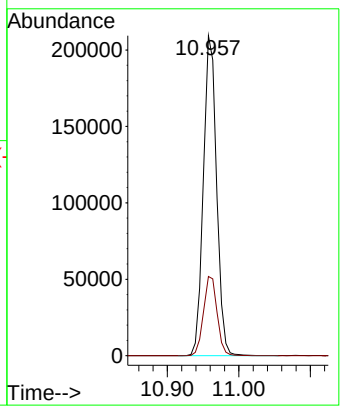


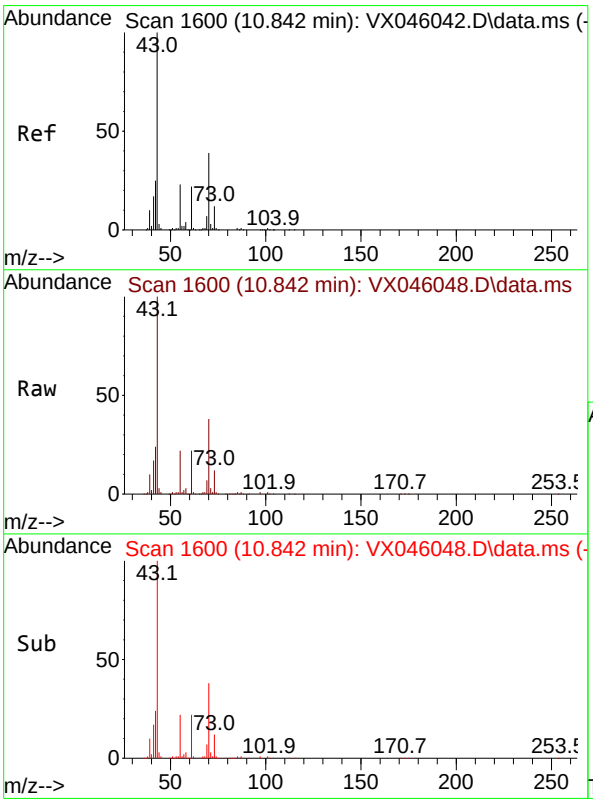
#73
Isopropylbenzene
Concen: 50.733 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:105 Resp: 269484

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4

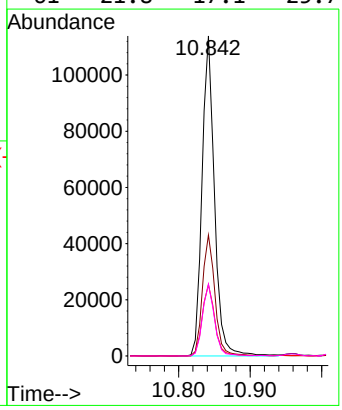


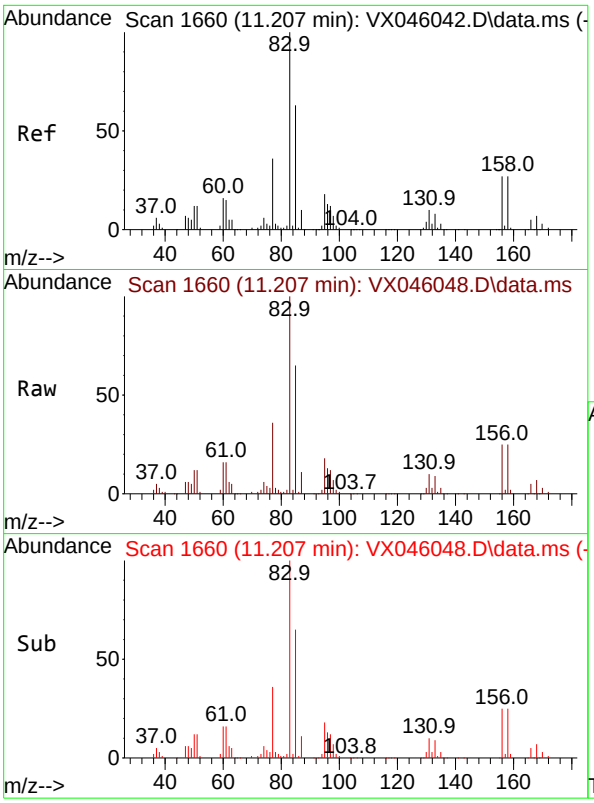


#74
N-amyl acetate
Concen: 52.407 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 43 Resp: 137559

Ion	Ratio	Lower	Upper
43	100		
70	37.9	30.9	46.3
55	22.7	18.7	28.1
61	21.8	17.1	25.7



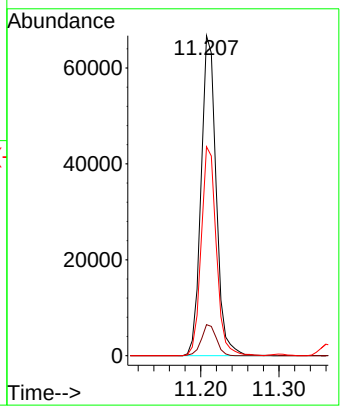


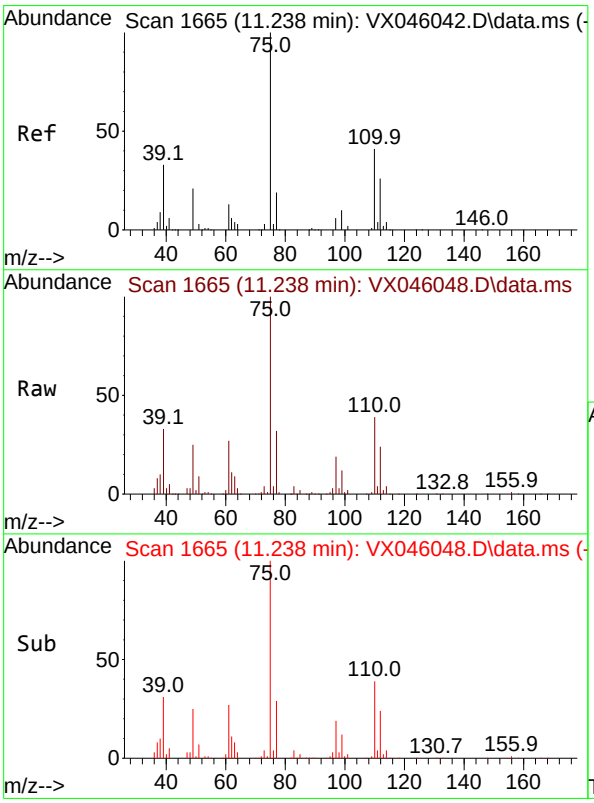
#75
1,1,2,2-Tetrachloroethane
Concen: 47.827 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 83 Resp: 89027

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	65.5	31.9	95.7

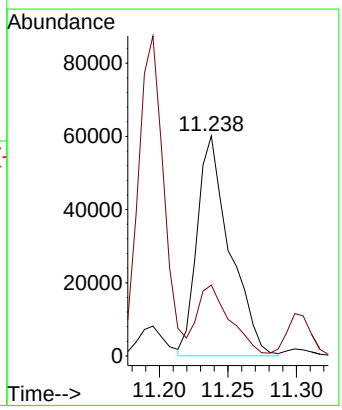


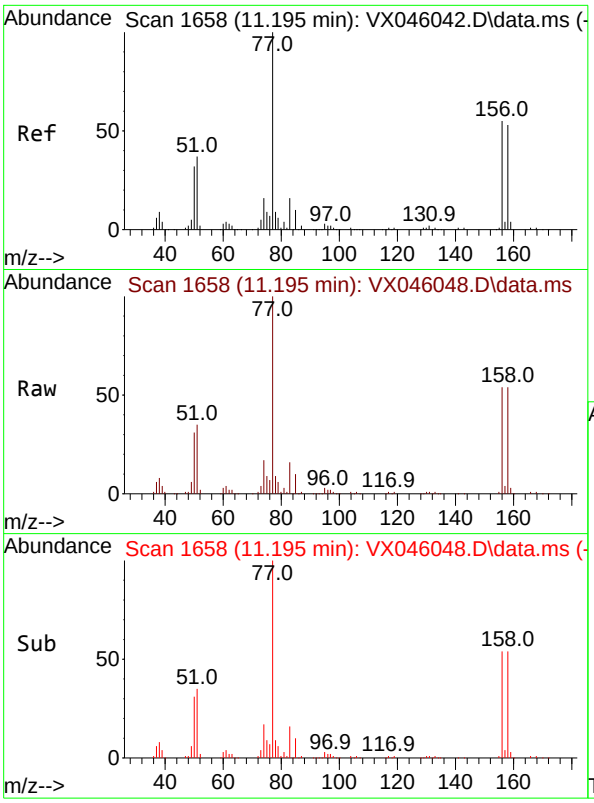


#76
1,2,3-Trichloropropane
Concen: 60.821 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 99886

Ion	Ratio	Lower	Upper
75	100		
77	32.5	20.5	61.5



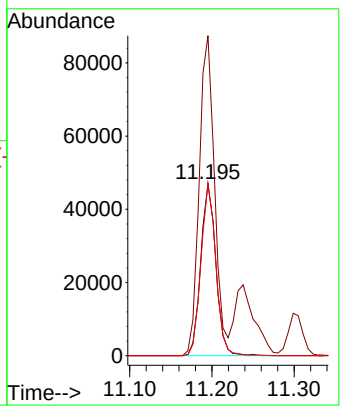


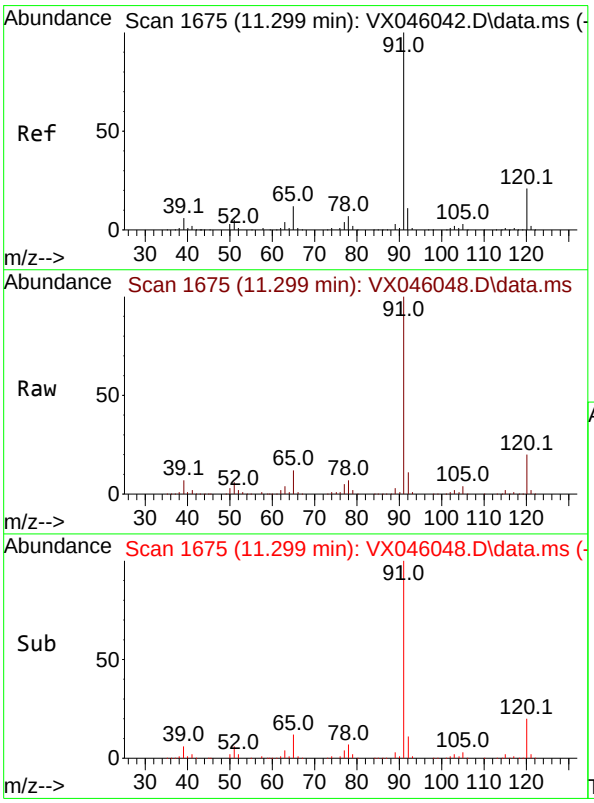
#77
Bromobenzene
Concen: 48.549 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:156 Resp: 59871

Ion	Ratio	Lower	Upper
156	100		
77	189.0	92.8	278.3
158	98.9	48.8	146.3

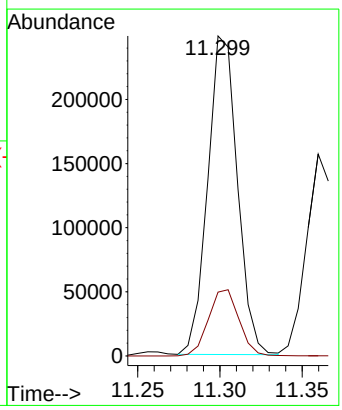


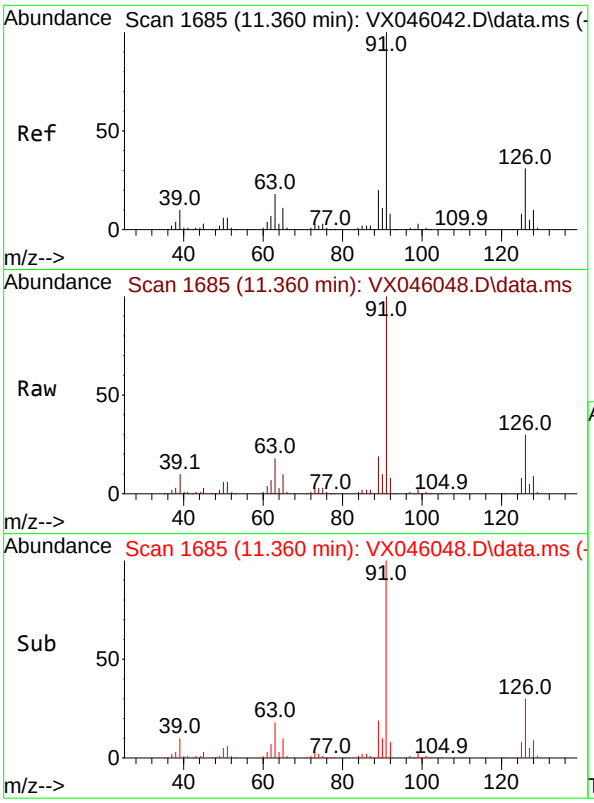


#78
n-propylbenzene
Concen: 50.562 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 312285

Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.4



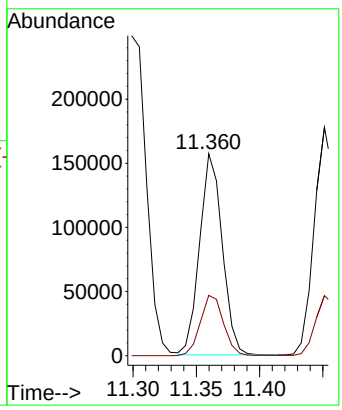


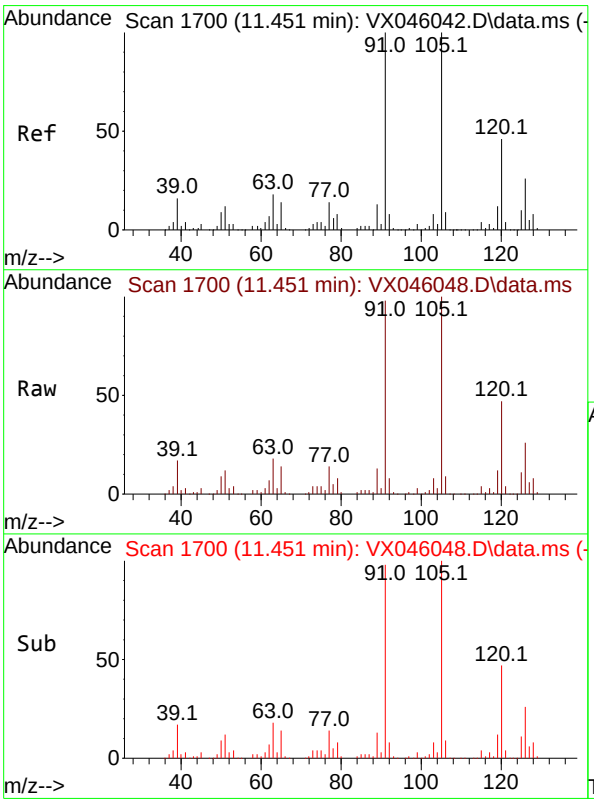
#79
2-Chlorotoluene
Concen: 49.107 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 91 Resp: 195630

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.7

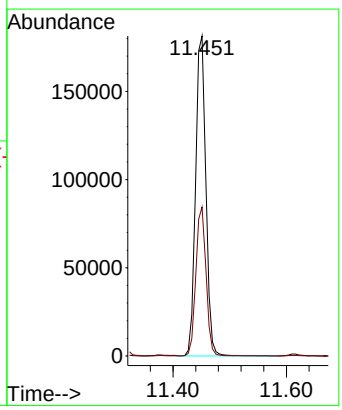


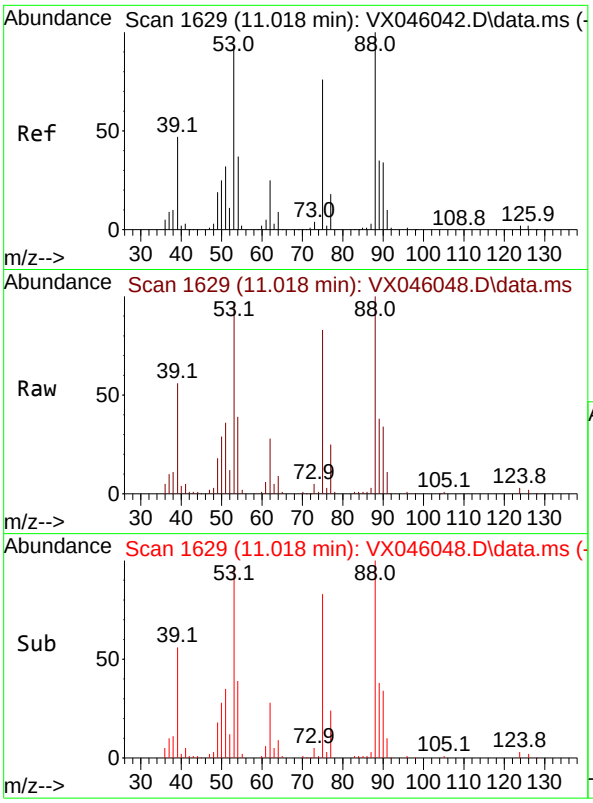


#80
1,3,5-Trimethylbenzene
Concen: 51.500 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 228538

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2



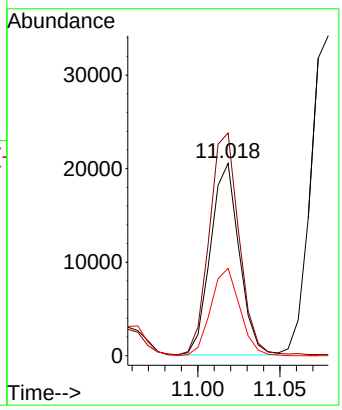


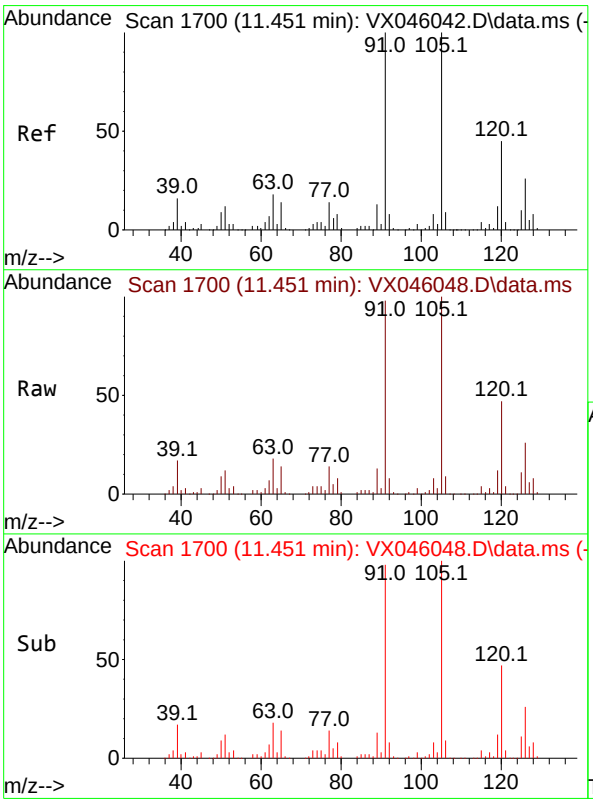
#81
trans-1,4-Dichloro-2-butene
Concen: 49.276 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 75 Resp: 24857

Ion	Ratio	Lower	Upper
75	100		
53	122.3	100.5	150.7
89	46.2	37.0	55.6

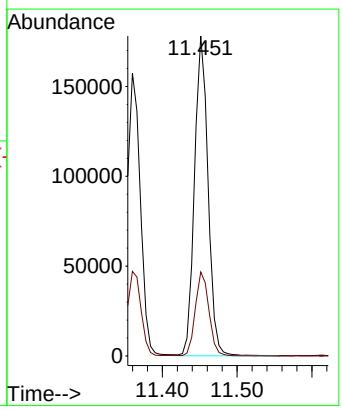


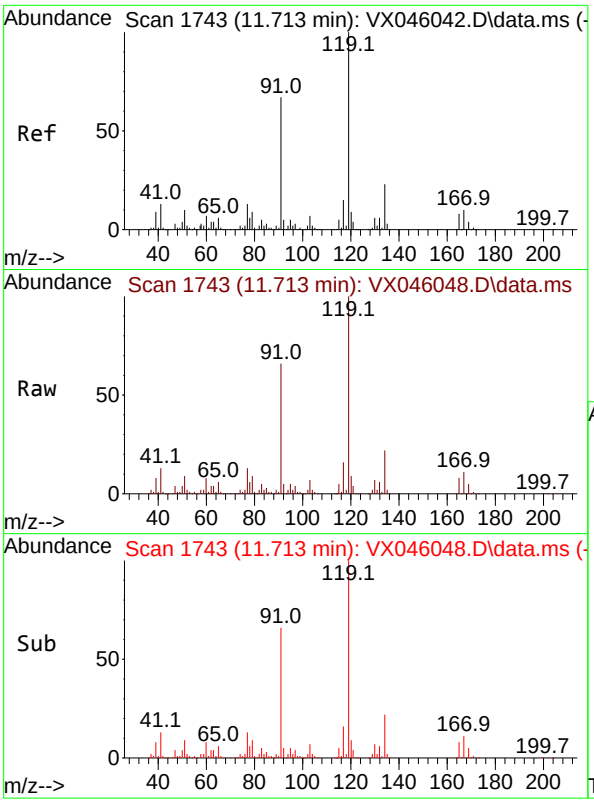


#82
4-Chlorotoluene
Concen: 50.661 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 91 Resp: 223811

Ion	Ratio	Lower	Upper
91	100		
126	26.5	13.3	39.8



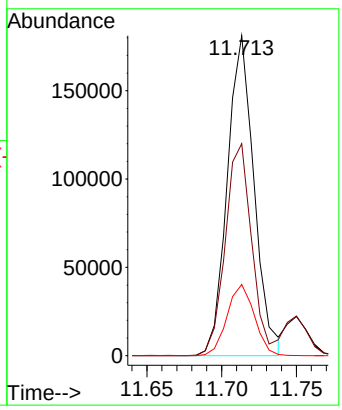


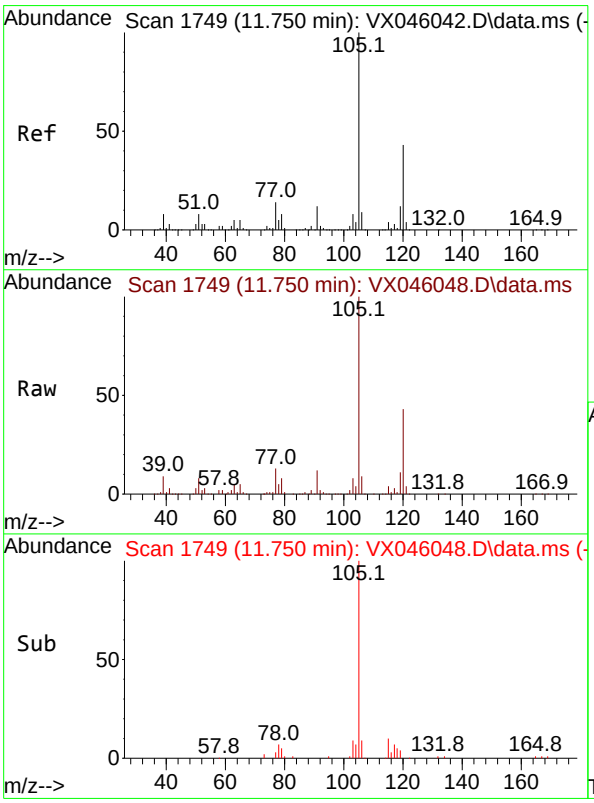
#83
tert-Butylbenzene
Concen: 50.511 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:119 Resp: 225783

Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.9	98.7
134	22.6	11.4	34.1

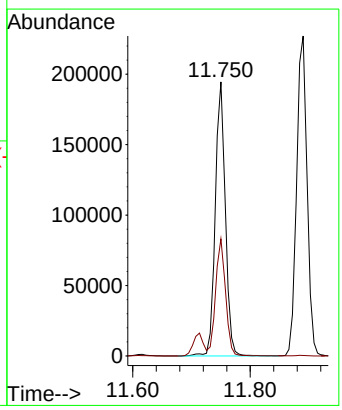


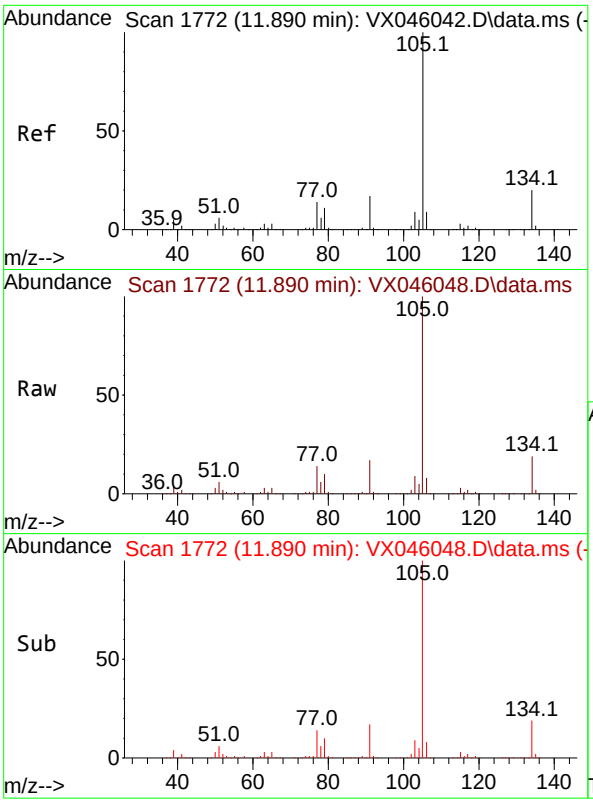


#84
1,2,4-Trimethylbenzene
Concen: 51.485 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:105 Resp: 231371

Ion	Ratio	Lower	Upper
105	100		
120	42.3	21.2	63.6



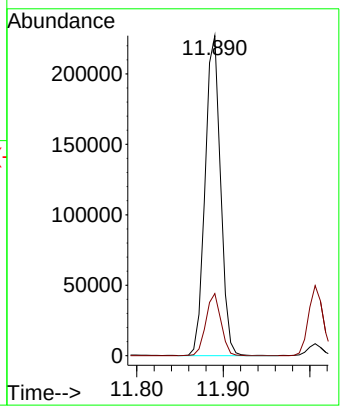


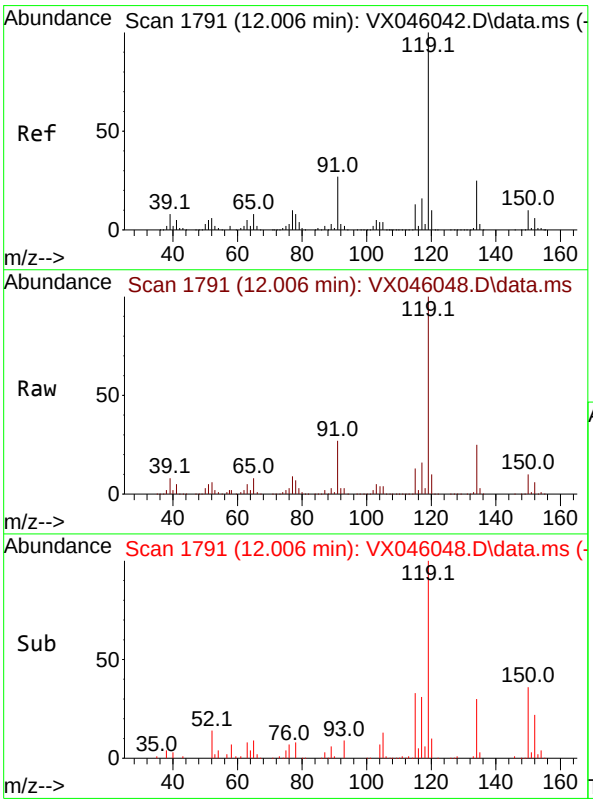
#85
sec-Butylbenzene
Concen: 51.122 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:105 Resp: 280578

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

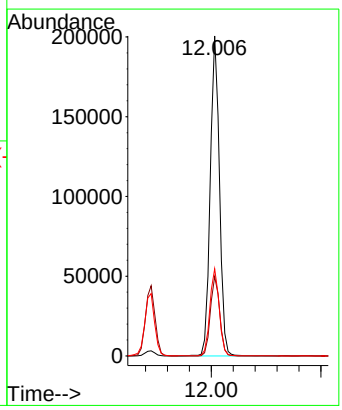


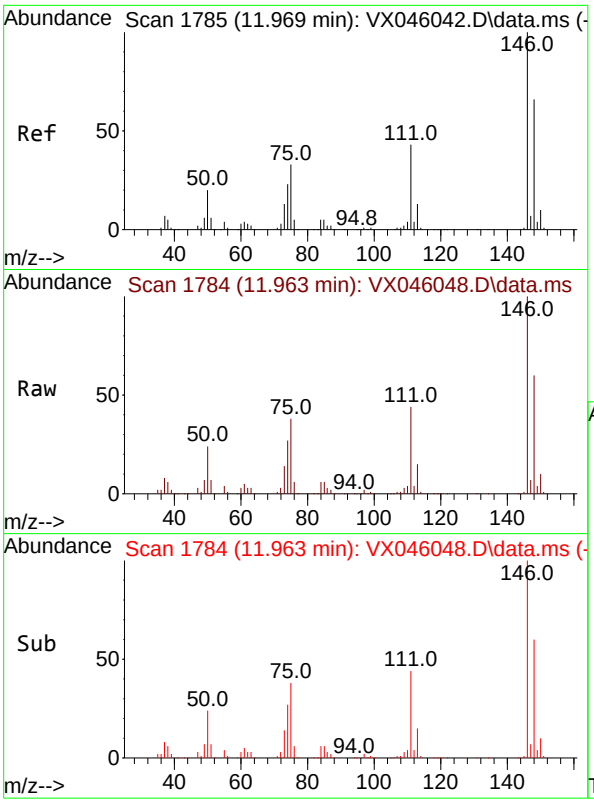


#86
p-Isopropyltoluene
Concen: 51.198 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:119 Resp: 231942

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	27.5	13.8	41.4



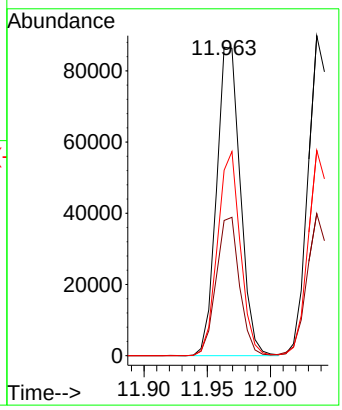


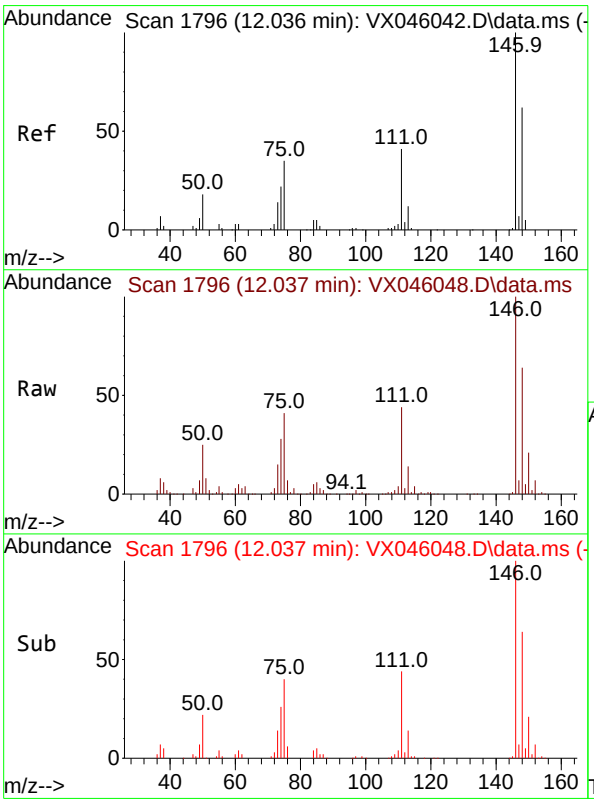
#87
1,3-Dichlorobenzene
Concen: 50.272 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:146 Resp: 113146

Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.1	66.3
148	63.5	32.1	96.5

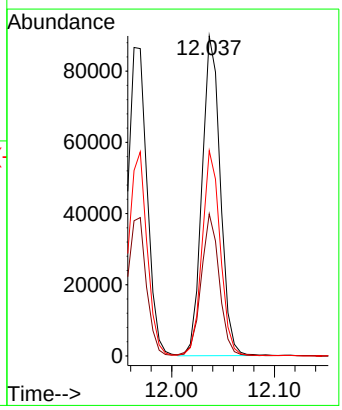


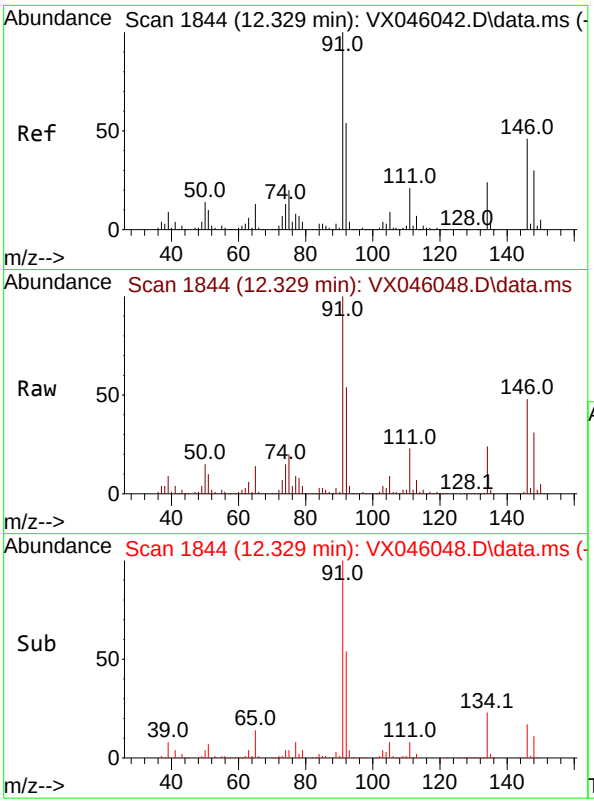


#88
1,4-Dichlorobenzene
Concen: 48.368 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:146 Resp: 111173

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.3	63.9
148	63.3	31.9	95.5



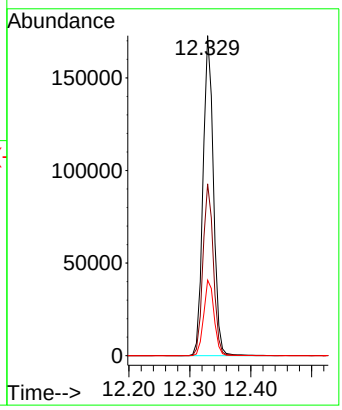


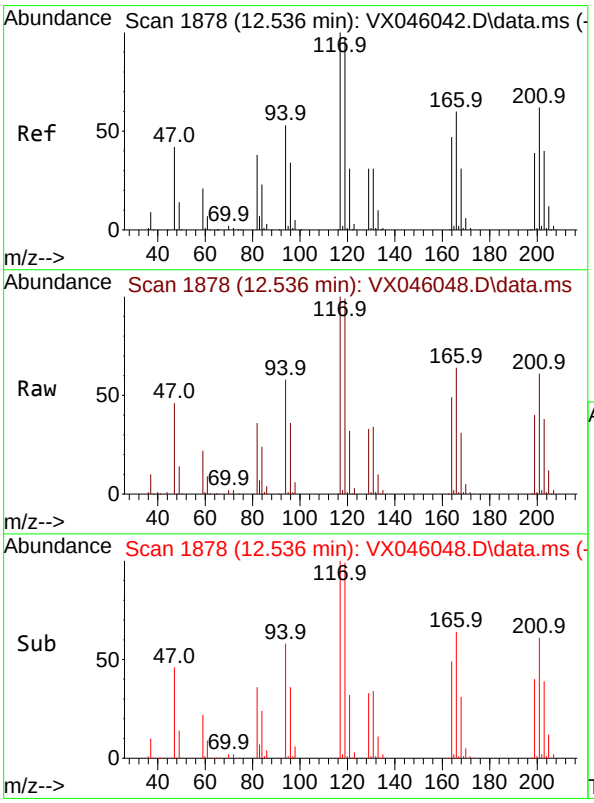
#89
n-Butylbenzene
Concen: 51.804 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion: 91 Resp: 205858

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.7
134	23.7	11.8	35.3

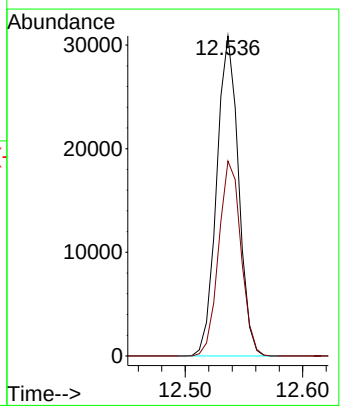


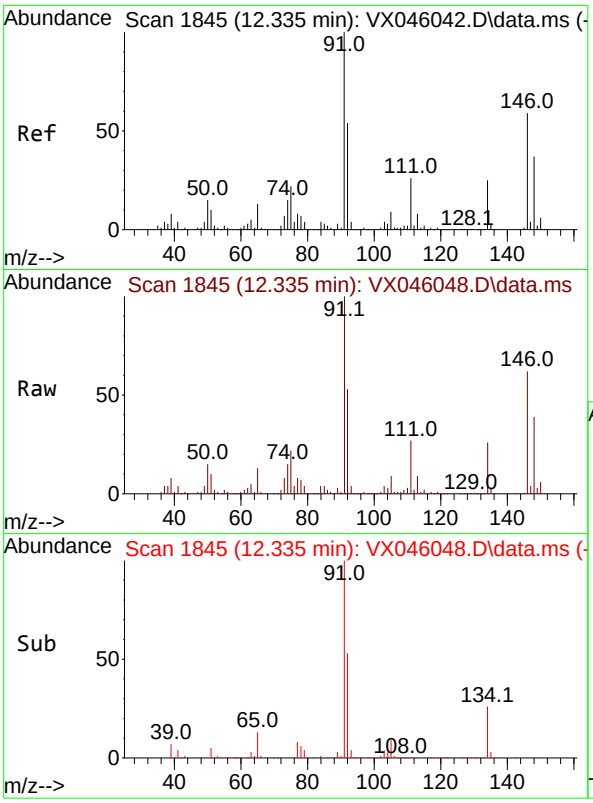


#90
Hexachloroethane
Concen: 49.895 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:117 Resp: 39823

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.6	94.7



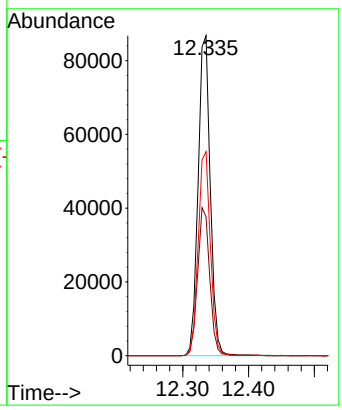


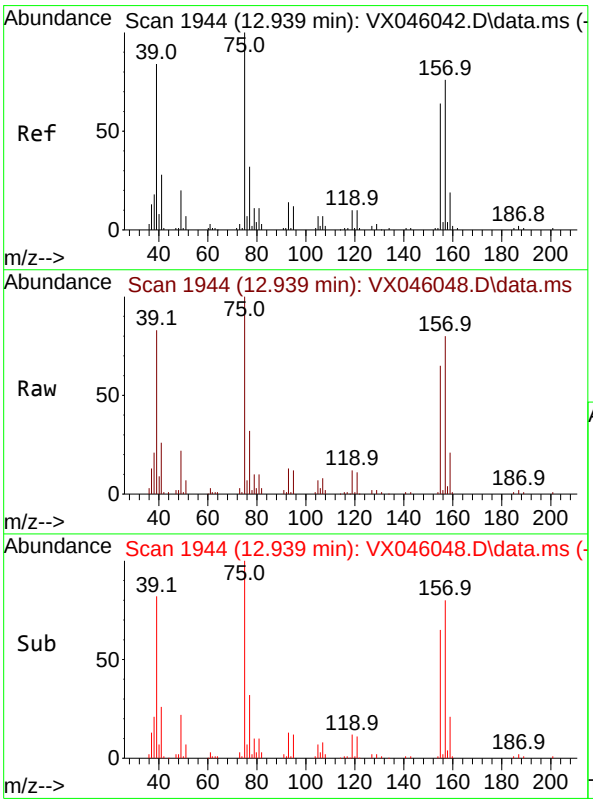
#91
1,2-Dichlorobenzene
Concen: 49.361 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:146 Resp: 111482

Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.4	67.3
148	64.2	31.6	94.8

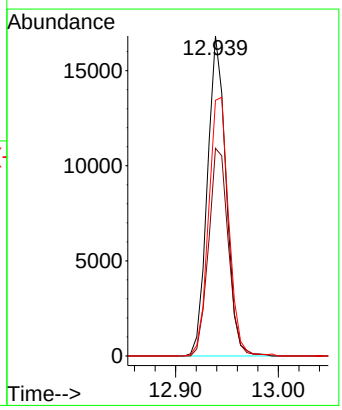


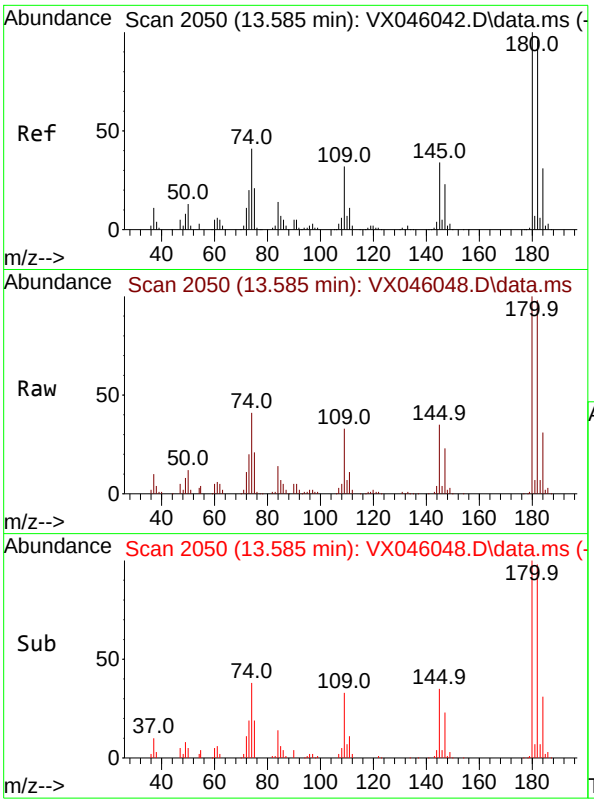


#92
1,2-Dibromo-3-Chloropropane
Concen: 51.458 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion: 75 Resp: 21220

Ion	Ratio	Lower	Upper
75	100		
155	68.6	34.9	104.8
157	86.7	43.8	131.4



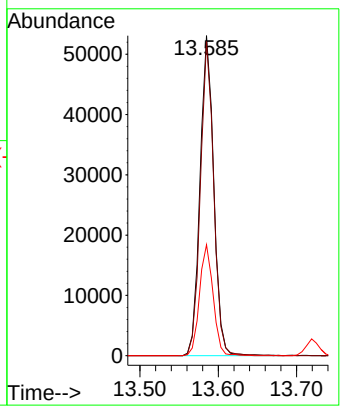


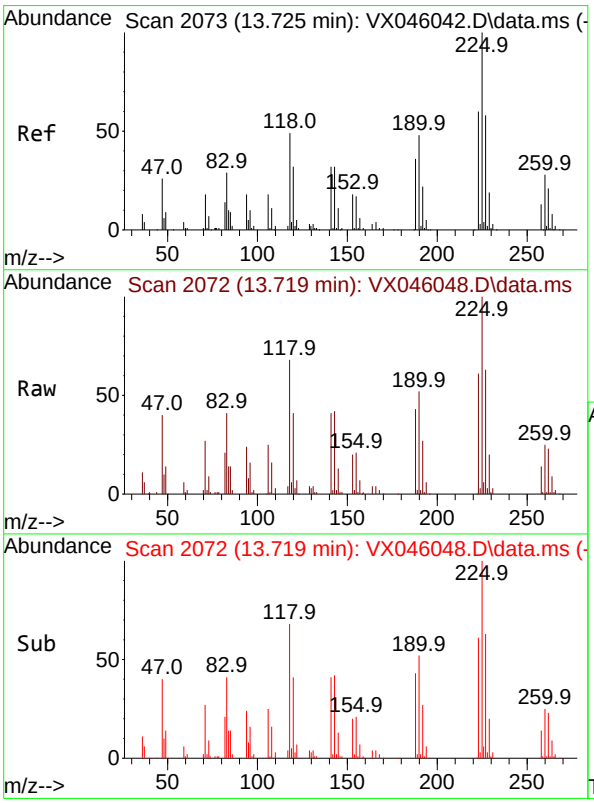
#93
1,2,4-Trichlorobenzene
Concen: 49.662 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:180 Resp: 64421

Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.8
145	34.4	17.1	51.2

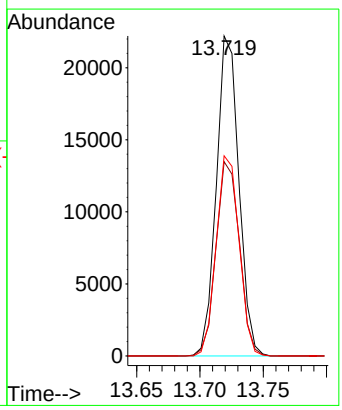


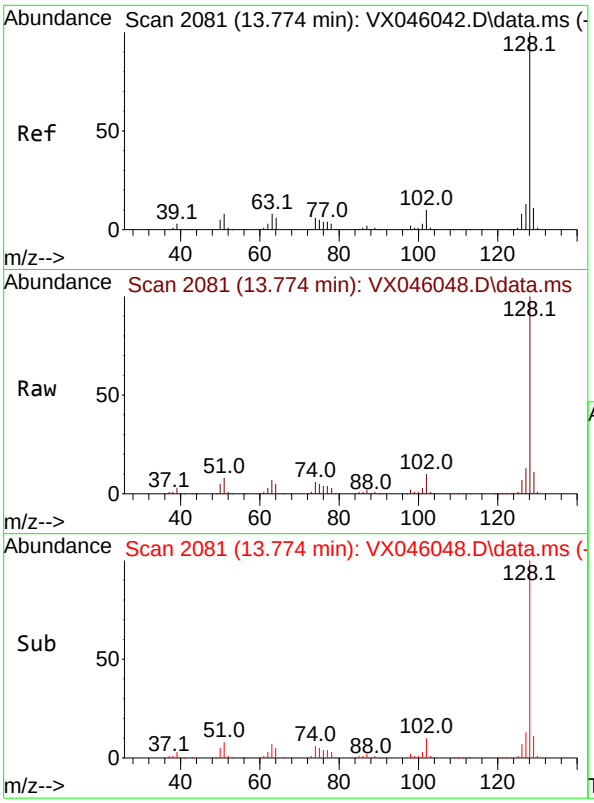


#94
Hexachlorobutadiene
Concen: 48.408 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:225 Resp: 27425

Ion	Ratio	Lower	Upper
225	100		
223	63.1	30.8	92.4
227	63.7	30.9	92.7



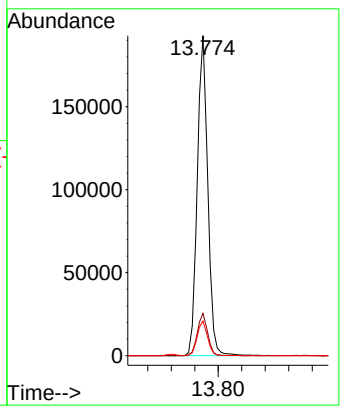


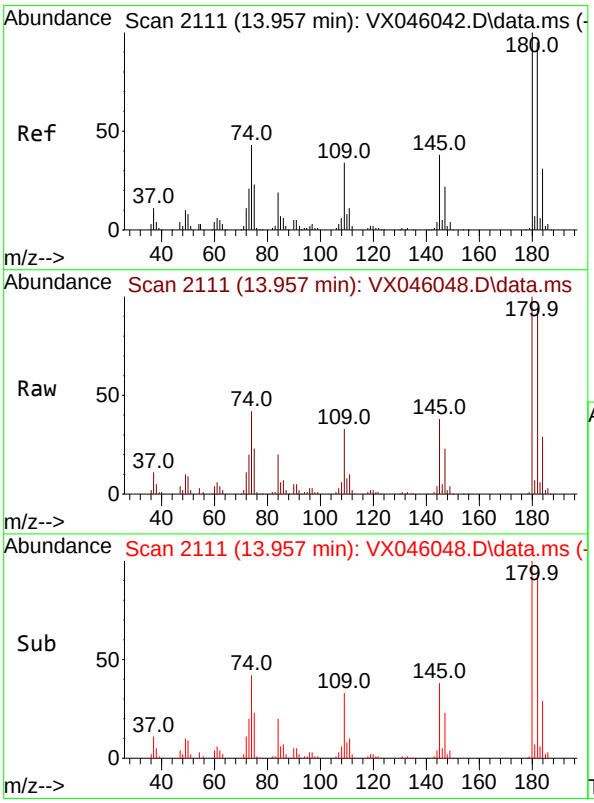
#95
Naphthalene
Concen: 50.404 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
ICVVX050525

Tgt Ion:128 Resp: 239805

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	13.0

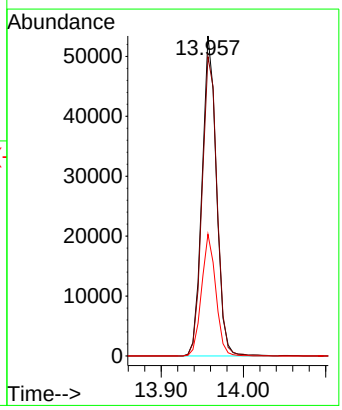




#96
1,2,3-Trichlorobenzene
Concen: 48.525 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046048.D
Acq: 05 May 2025 16:50

Tgt Ion:180 Resp: 64950

Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.8	143.3
145	37.5	18.1	54.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	95080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	161730	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	86766	48.949	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.900%			
35) Dibromofluoromethane	5.373	113	59999	51.518	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.040%			
50) Toluene-d8	8.641	98	197841	49.081	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.160%			
62) 4-Bromofluorobenzene	11.079	95	77871	50.363	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.720%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	73733	50.666	ug/l	98
3) Chloromethane	1.300	50	68253	48.364	ug/l	99
4) Vinyl Chloride	1.374	62	62535	47.612	ug/l	99
5) Bromomethane	1.593	94	28042	46.032	ug/l	97
6) Chloroethane	1.666	64	35734	50.964	ug/l	99
7) Trichlorofluoromethane	1.873	101	98615	50.803	ug/l	99
8) Diethyl Ether	2.129	74	32223	48.764	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.318	101	60440	50.314	ug/l	99
10) Methyl Iodide	2.440	142	66552	46.821	ug/l	99
11) Tert butyl alcohol	2.971	59	60414	242.803	ug/l	100
12) 1,1-Dichloroethene	2.306	96	53753	47.678	ug/l	95
13) Acrolein	2.233	56	90969	321.031	ug/l	99
14) Allyl chloride	2.654	41	111182	51.600	ug/l	98
15) Acrylonitrile	3.062	53	181499	255.100	ug/l	98
16) Acetone	2.379	43	182996	257.477	ug/l	100
17) Carbon Disulfide	2.501	76	120535	45.096	ug/l	100
18) Methyl Acetate	2.703	43	97480	59.105	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	203555	51.499	ug/l	100
20) Methylene Chloride	2.782	84	63593	46.691	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	54097	47.714	ug/l	95
22) Diisopropyl ether	3.757	45	215610	51.803	ug/l	94
23) Vinyl Acetate	3.715	43	930126	254.084	ug/l	99
24) 1,1-Dichloroethane	3.599	63	117763	50.800	ug/l	99
25) 2-Butanone	4.550	43	262160	254.074	ug/l	99
26) 2,2-Dichloropropane	4.458	77	95337	52.543	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	67216	49.246	ug/l	99
28) Bromochloromethane	4.885	49	52685	47.215	ug/l	97
29) Tetrahydrofuran	4.995	42	162193	250.853	ug/l	98
30) Chloroform	5.080	83	122654	50.762	ug/l	95
31) Cyclohexane	5.458	56	98339	46.552	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	106109	50.660	ug/l	99
36) 1,1-Dichloropropene	5.678	75	76348	48.791	ug/l	99
37) Ethyl Acetate	4.702	43	97045	50.197	ug/l	99
38) Carbon Tetrachloride	5.665	117	89504	50.907	ug/l	96
39) Methylcyclohexane	7.372	83	96076	47.691	ug/l	97
40) Benzene	6.025	78	228406	49.833	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.909	41	56109	55.480	ug/l		99
42) 1,2-Dichloroethane	6.074	62	99497	50.298	ug/l		100
43) Isopropyl Acetate	6.330	43	156279	52.987	ug/l		99
44) Trichloroethene	7.116	130	55656	50.452	ug/l		97
45) 1,2-Dichloropropane	7.421	63	59253	51.990	ug/l		98
46) Dibromomethane	7.574	93	45422	50.531	ug/l		99
47) Bromodichloromethane	7.811	83	94679	53.478	ug/l		96
48) Methyl methacrylate	7.689	41	81658	54.212	ug/l		98
49) 1,4-Dioxane	7.653	88	27967	977.870	ug/l		97
51) 4-Methyl-2-Pentanone	8.567	43	514742	262.926	ug/l		99
52) Toluene	8.714	92	138588	49.311	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	85646	54.425	ug/l		99
54) cis-1,3-Dichloropropene	8.360	75	94157	54.136	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	57326	51.730	ug/l		98
56) Ethyl methacrylate	9.110	69	94728	53.634	ug/l		99
57) 1,3-Dichloropropane	9.305	76	98942	49.714	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	246422	273.669	ug/l		100
59) 2-Hexanone	9.427	43	382250	263.910	ug/l		100
60) Dibromochloromethane	9.518	129	66902	54.971	ug/l		99
61) 1,2-Dibromoethane	9.604	107	58066	50.413	ug/l		95
64) Tetrachloroethene	9.268	164	52030	52.359	ug/l		98
65) Chlorobenzene	10.073	112	151979	49.440	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54978	52.376	ug/l		99
67) Ethyl Benzene	10.189	91	276408	51.011	ug/l		100
68) m/p-Xylenes	10.299	106	202607	102.233	ug/l		98
69) o-Xylene	10.640	106	99977	51.746	ug/l		99
70) Styrene	10.652	104	170672	53.925	ug/l		100
71) Bromoform	10.799	173	43139	54.740	ug/l	#	97
73) Isopropylbenzene	10.957	105	271177	51.463	ug/l		100
74) N-amyl acetate	10.841	43	134729	51.743	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87943	47.625	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	101629	62.381	ug/l		86
77) Bromobenzene	11.195	156	60921	49.799	ug/l		99
78) n-propylbenzene	11.299	91	316117	51.595	ug/l		100
79) 2-Chlorotoluene	11.360	91	193981	49.086	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	226364	51.421	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.012	75	26609	53.175	ug/l		98
82) 4-Chlorotoluene	11.451	91	225123	51.369	ug/l		99
83) tert-Butylbenzene	11.713	119	223522	50.408	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	231302	51.885	ug/l		99
85) sec-Butylbenzene	11.890	105	283817	52.129	ug/l		100
86) p-Isopropyltoluene	12.006	119	234688	52.222	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	112832	50.537	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	113352	49.713	ug/l		100
89) n-Butylbenzene	12.329	91	212152	53.818	ug/l		100
90) Hexachloroethane	12.536	117	41588	52.527	ug/l		100
91) 1,2-Dichlorobenzene	12.329	146	114456	51.087	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21272	52.001	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	66110	51.375	ug/l		99
94) Hexachlorobutadiene	13.725	225	28949	51.510	ug/l		98
95) Naphthalene	13.774	128	233630	49.502	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	68077	51.272	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

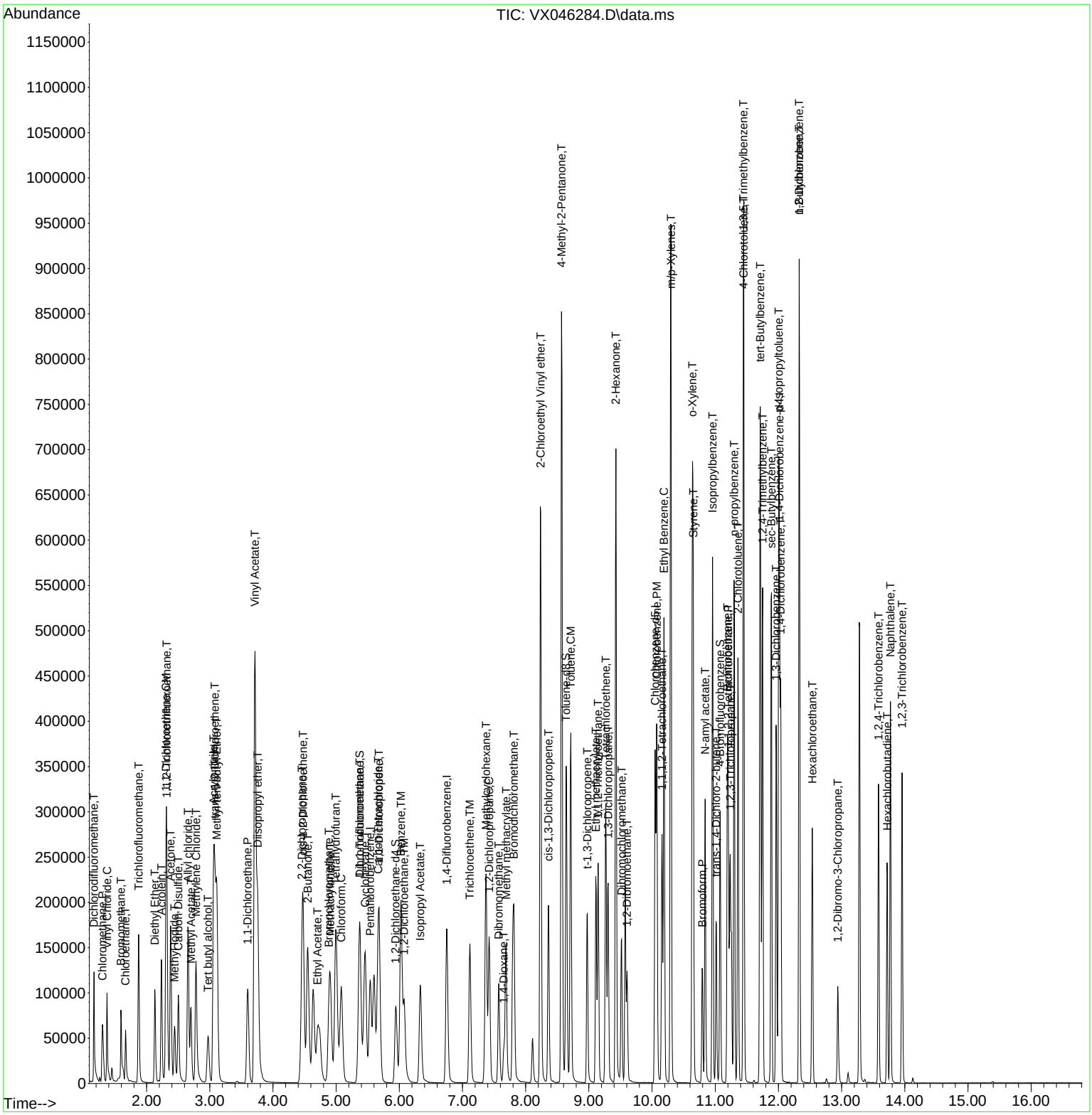
(#) = qualifier out of range (m) = manual integration (+) = signals summed

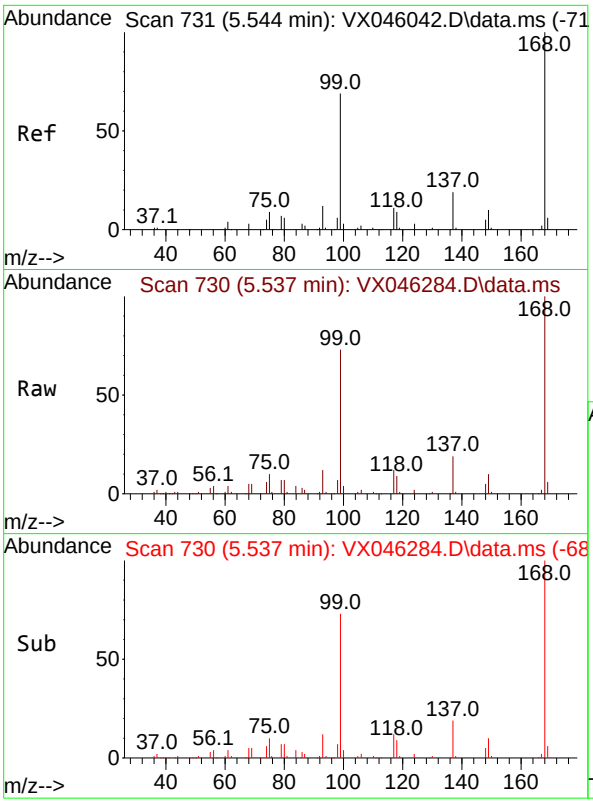
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046284.D
Acq On : 21 May 2025 09:55
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: May 22 01:44:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



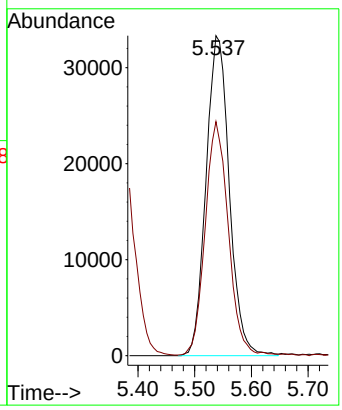


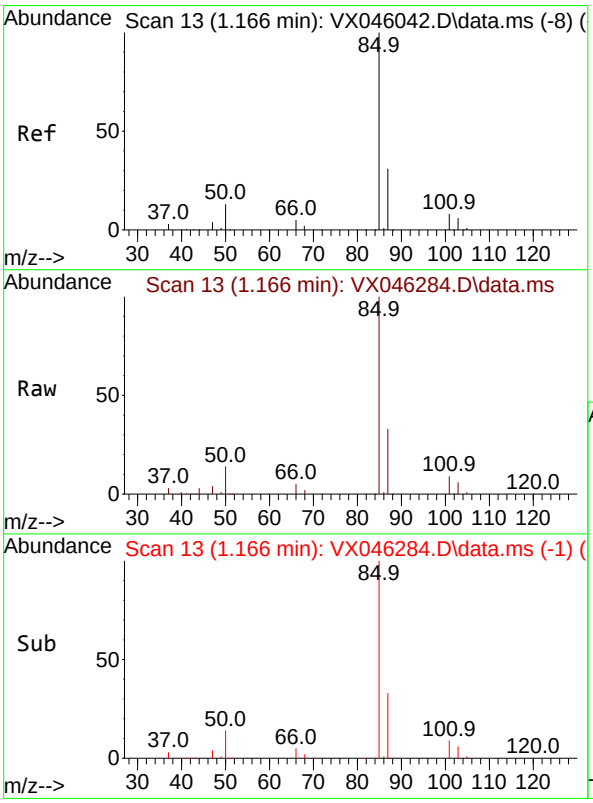
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 7
Delta R.T. -0.007 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 95080

Ion	Ratio	Lower	Upper
168	100		
99	72.9	54.9	82.3

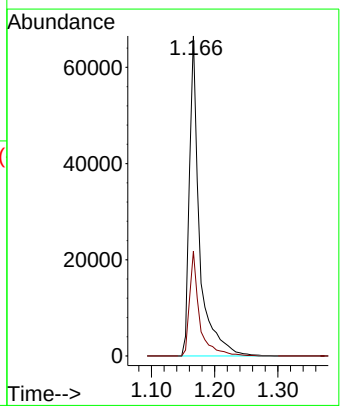


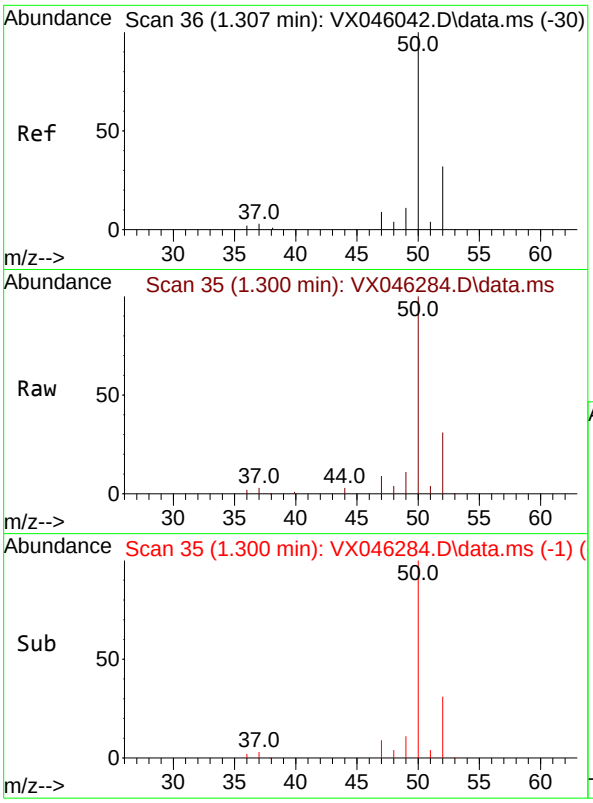


#2
Dichlorodifluoromethane
Concen: 50.666 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 85 Resp: 73733

Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.7	47.1



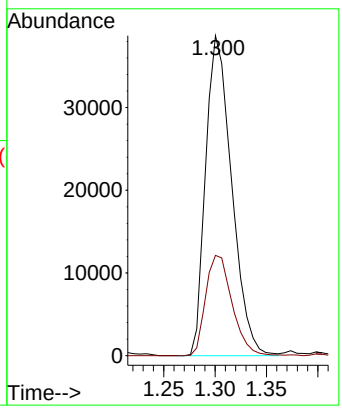


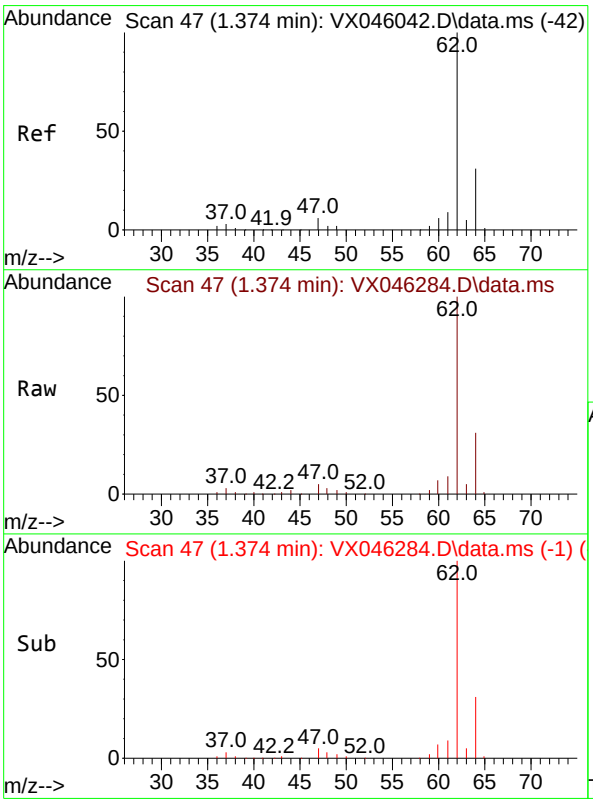
#3
Chloromethane
Concen: 48.364 ug/l
RT: 1.300 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 68253

Ion	Ratio	Lower	Upper
50	100		
52	31.4	25.4	38.2

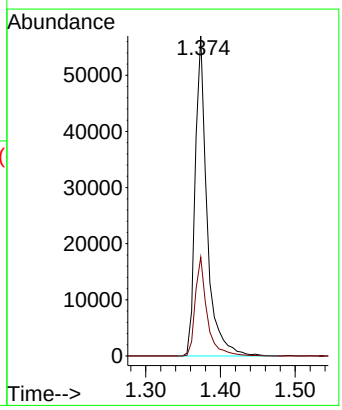


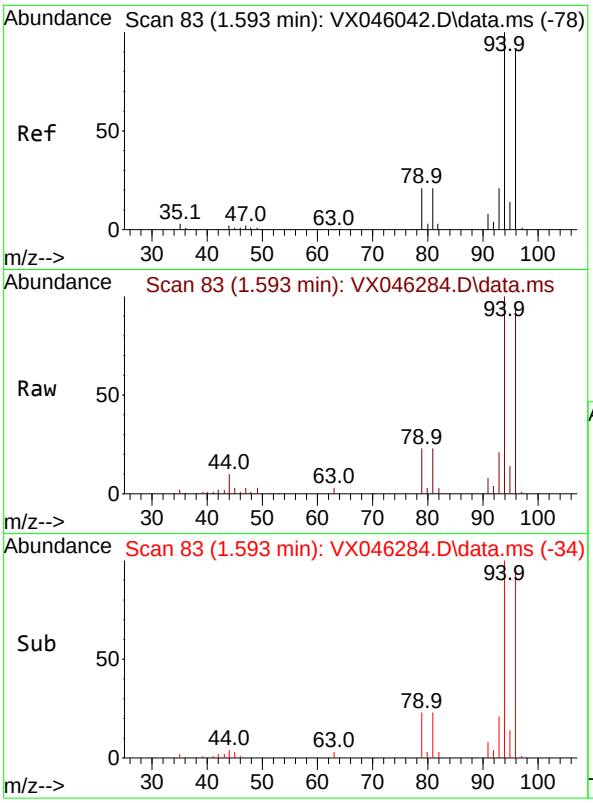


#4
Vinyl Chloride
Concen: 47.612 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 62 Resp: 62535

Ion	Ratio	Lower	Upper
62	100		
64	30.9	25.2	37.8



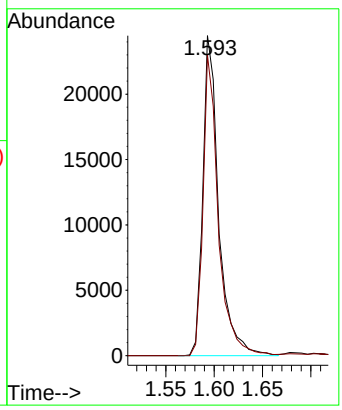


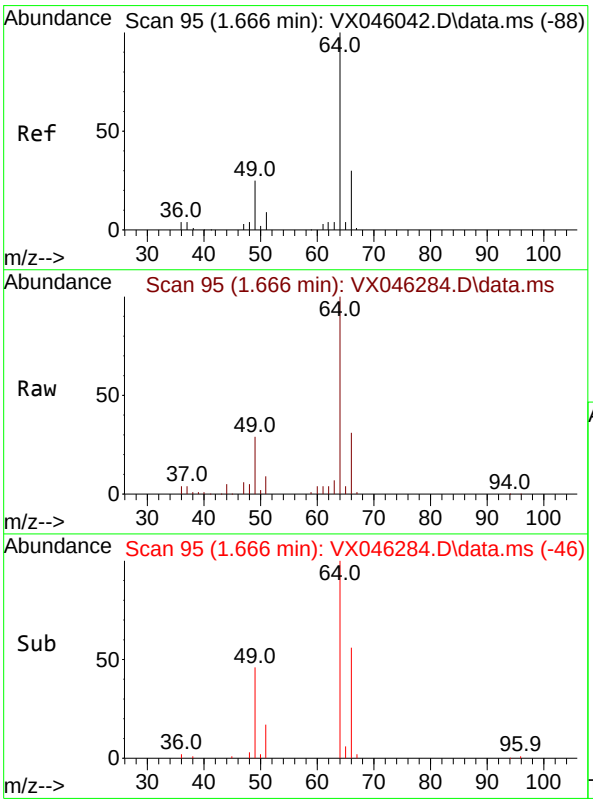
#5
Bromomethane
Concen: 46.032 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 28042

Ion	Ratio	Lower	Upper
94	100		
96	93.9	72.8	109.2

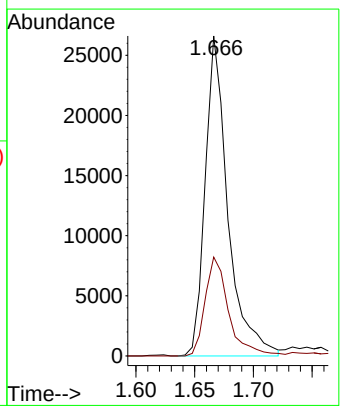


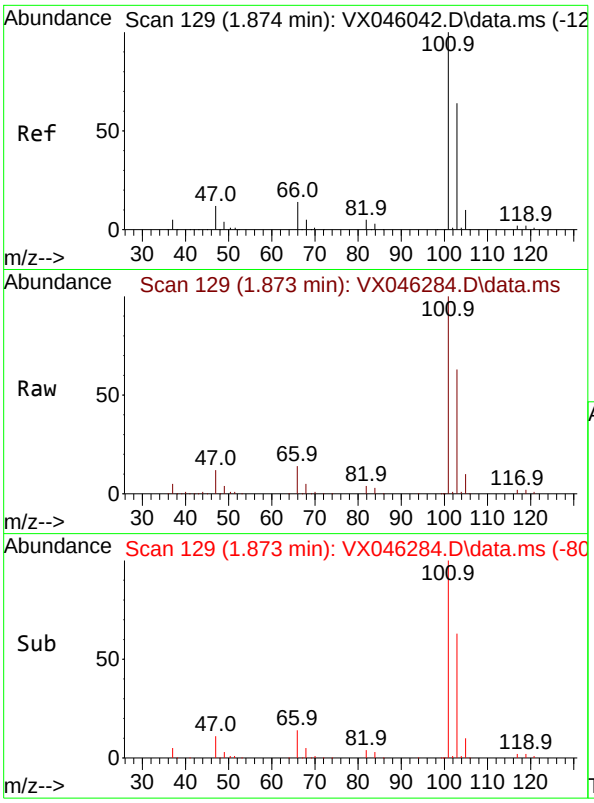


#6
Chloroethane
Concen: 50.964 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 64 Resp: 35734

Ion	Ratio	Lower	Upper
64	100		
66	30.9	24.3	36.5



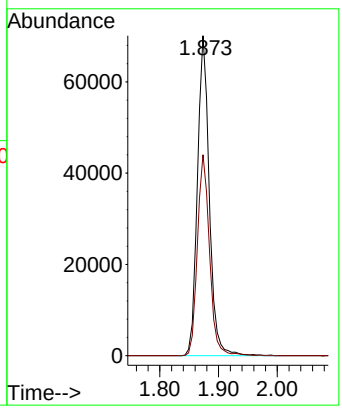


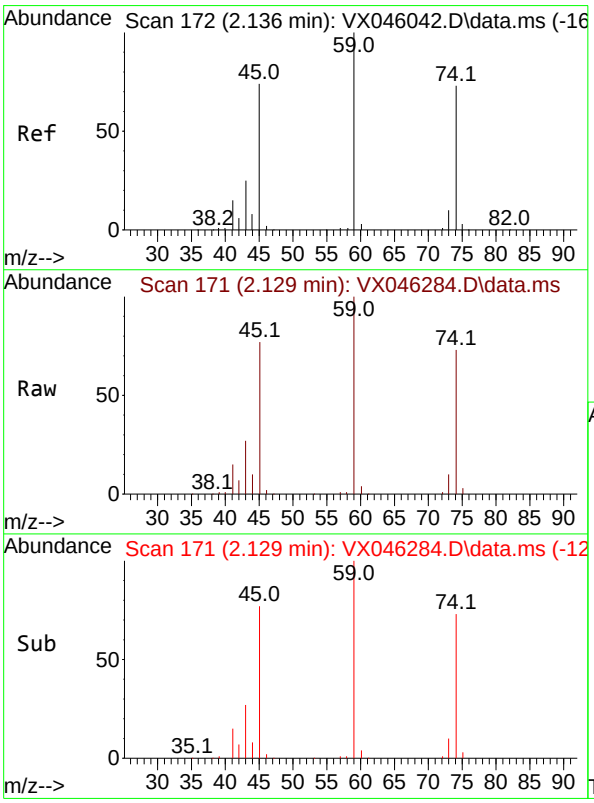
#7
Trichlorofluoromethane
Concen: 50.803 ug/l
RT: 1.873 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 98615

Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.0	76.4

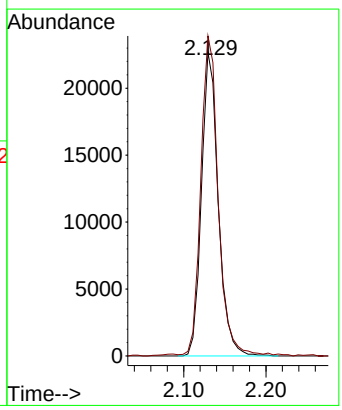


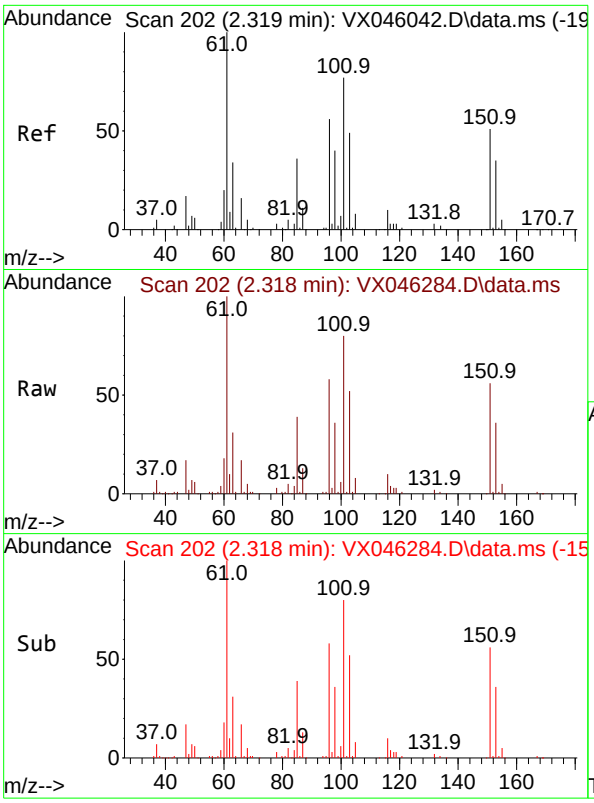


#8
Diethyl Ether
Concen: 48.764 ug/l
RT: 2.129 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 74 Resp: 32223

Ion	Ratio	Lower	Upper
74	100		
45	110.4	54.9	164.8



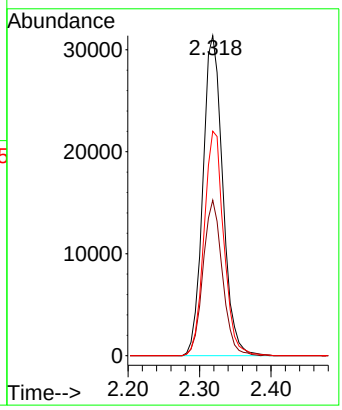


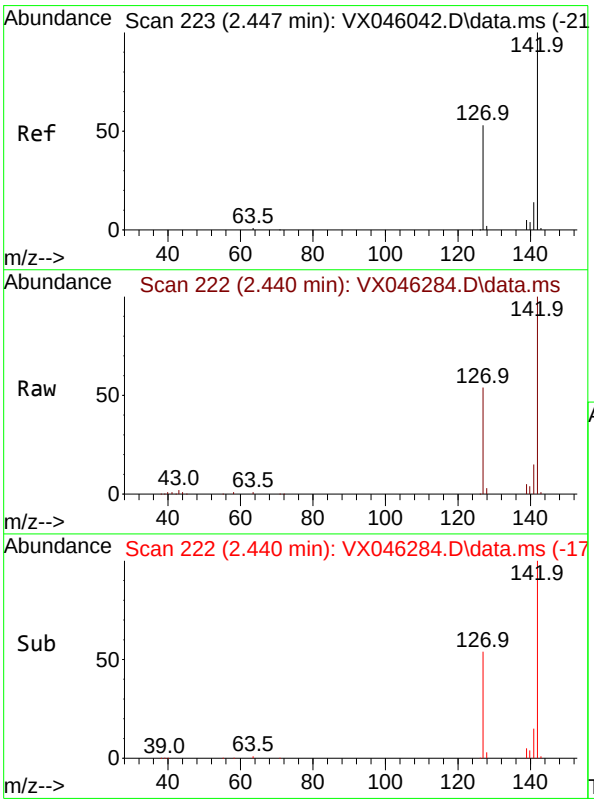
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.314 ug/l
RT: 2.318 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 60440

Ion	Ratio	Lower	Upper
101	100		
85	47.3	38.6	58.0
151	69.8	55.2	82.8

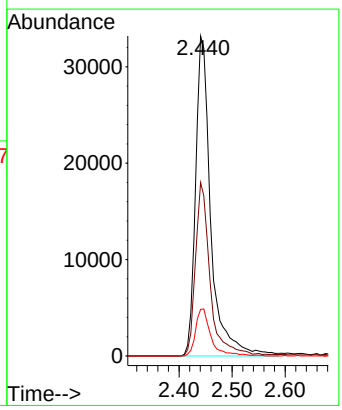


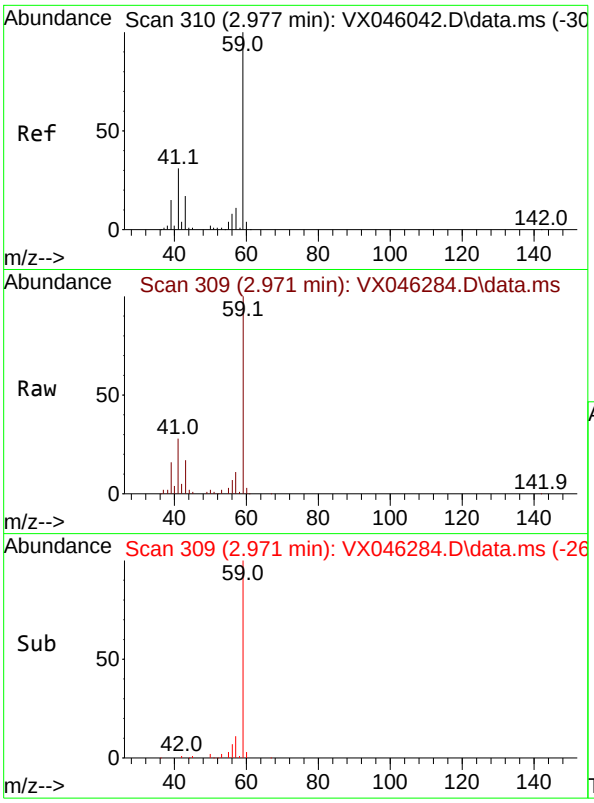


#10
Methyl Iodide
Concen: 46.821 ug/l
RT: 2.440 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:142 Resp: 66552

Ion	Ratio	Lower	Upper
142	100		
127	52.8	41.7	62.5
141	14.7	11.5	17.3



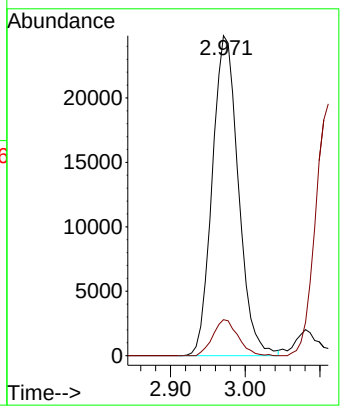


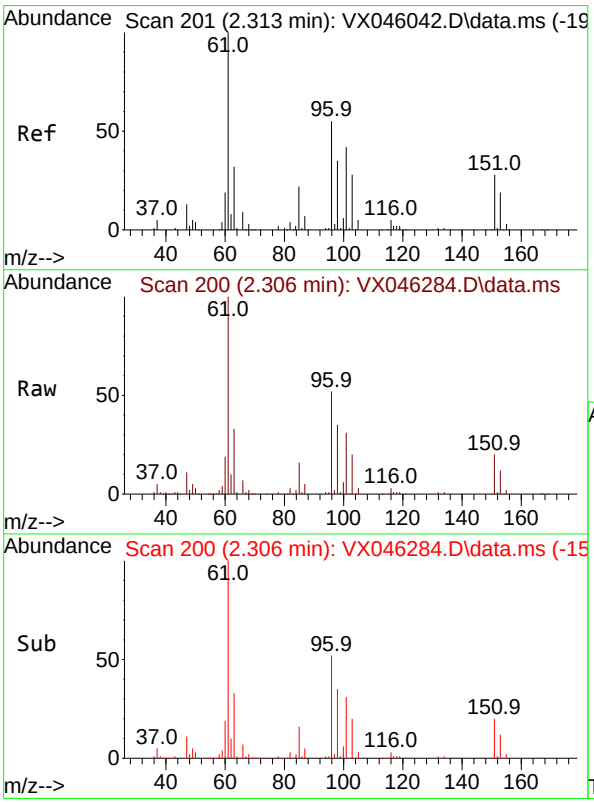
#11
Tert butyl alcohol
Concen: 242.803 ug/l
RT: 2.971 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 60414

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.6	12.8

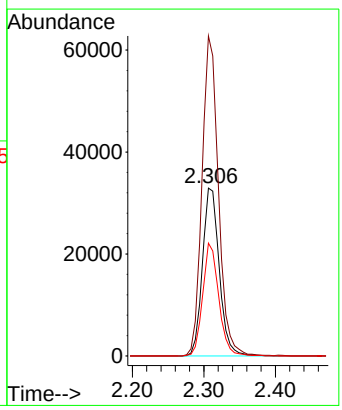


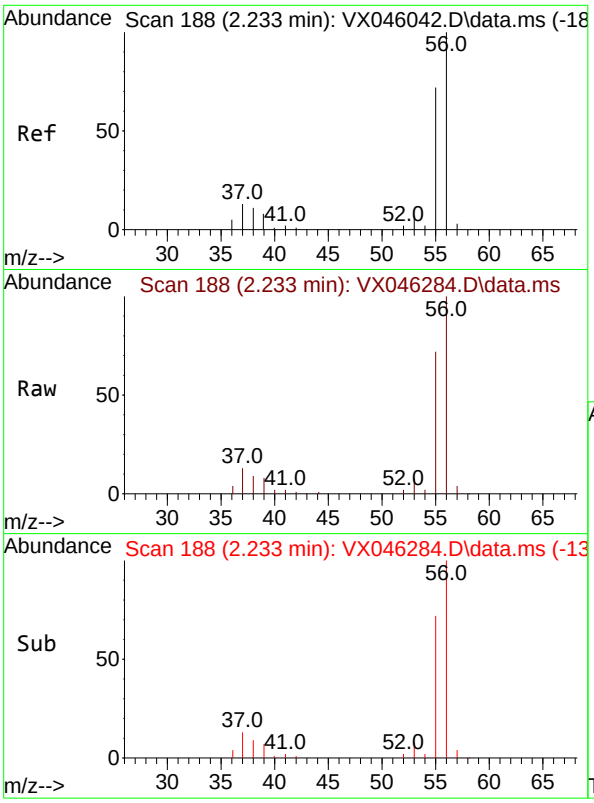


#12
1,1-Dichloroethene
Concen: 47.678 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 96 Resp: 53753

Ion	Ratio	Lower	Upper
96	100		
61	190.6	146.2	219.2
98	67.2	51.0	76.6



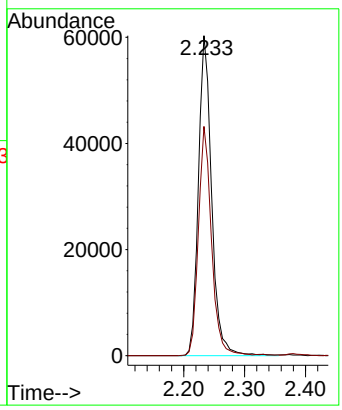


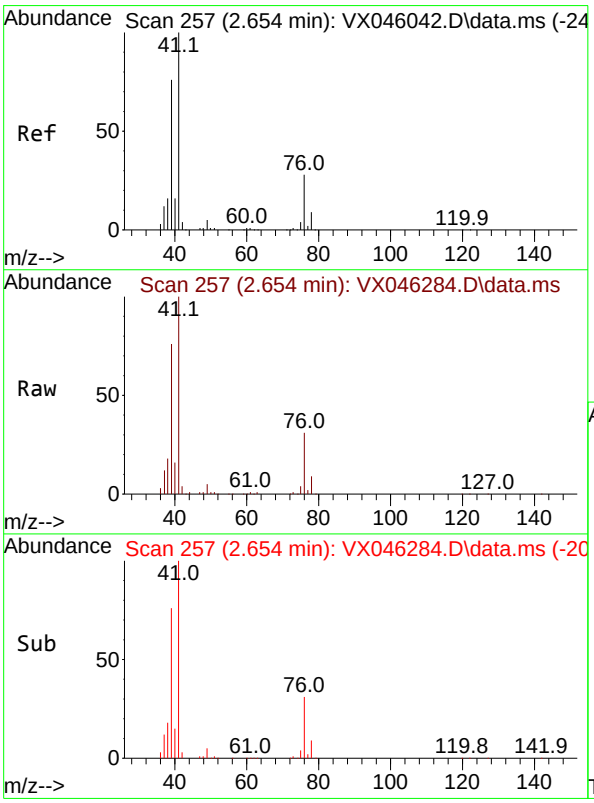
#13
Acrolein
Concen: 321.031 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 90969

Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.2	84.4

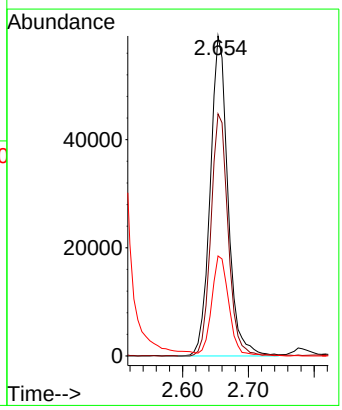


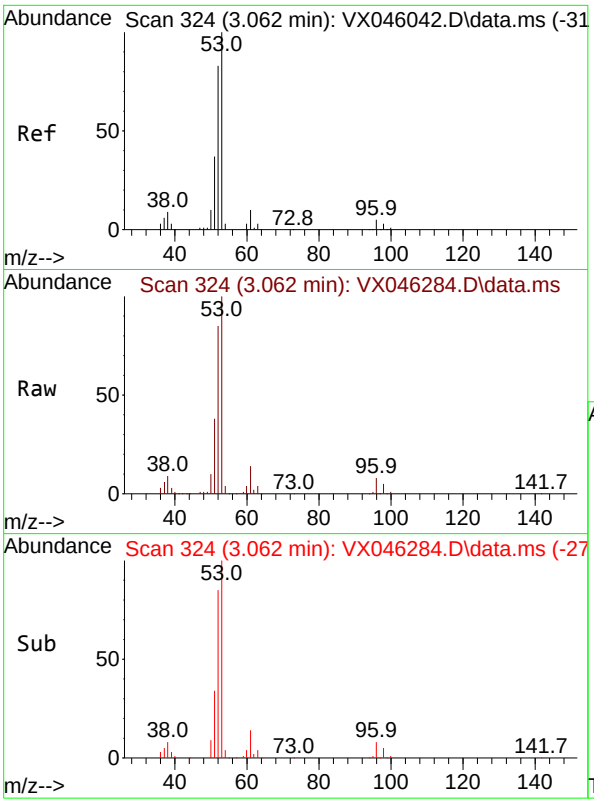


#14
Allyl chloride
Concen: 51.600 ug/l
RT: 2.654 min Scan# 257
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 41 Resp: 111182

Ion	Ratio	Lower	Upper
41	100		
39	73.3	60.6	90.8
76	30.2	24.9	37.3



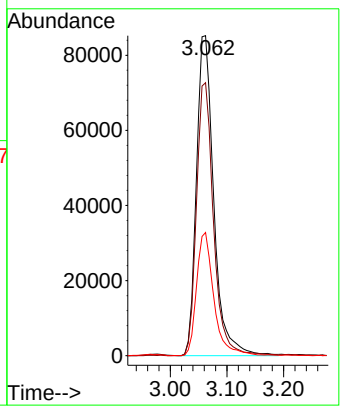


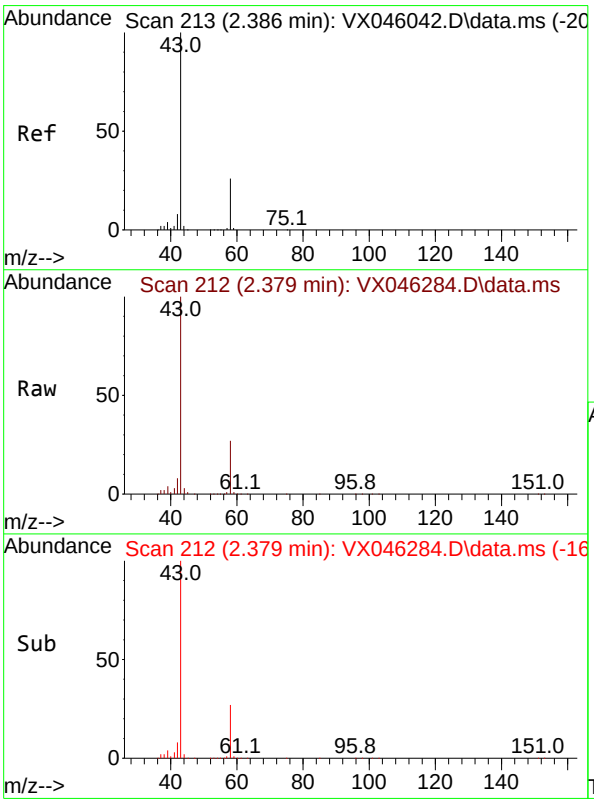
#15
Acrylonitrile
Concen: 255.100 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 181499

Ion	Ratio	Lower	Upper
53	100		
52	83.7	65.3	97.9
51	38.5	29.8	44.8

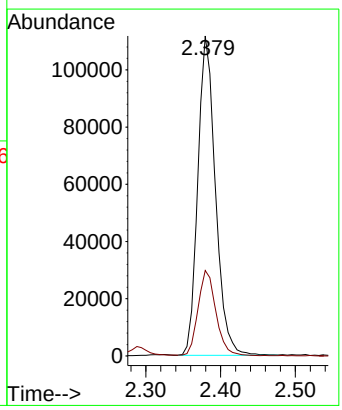


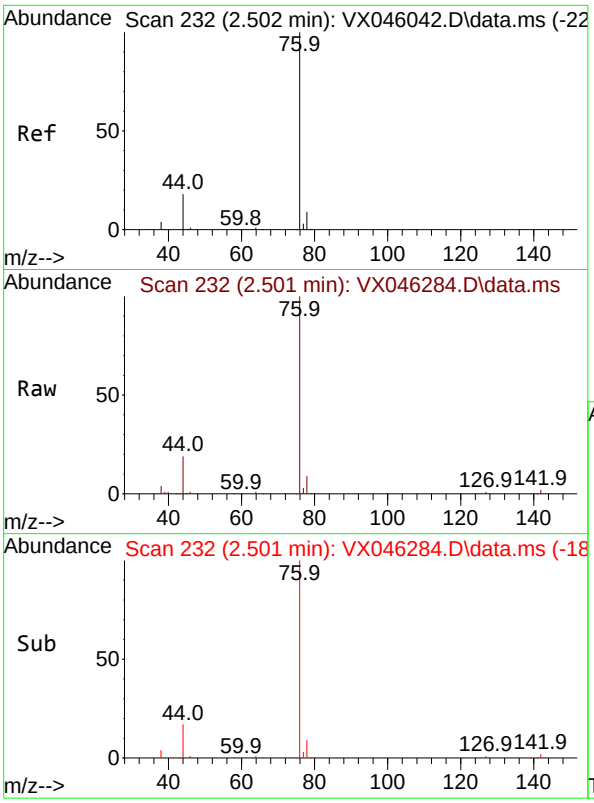


#16
Acetone
Concen: 257.477 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 182996

Ion	Ratio	Lower	Upper
43	100		
58	26.6	21.2	31.8



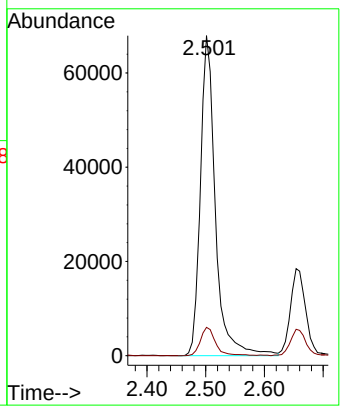


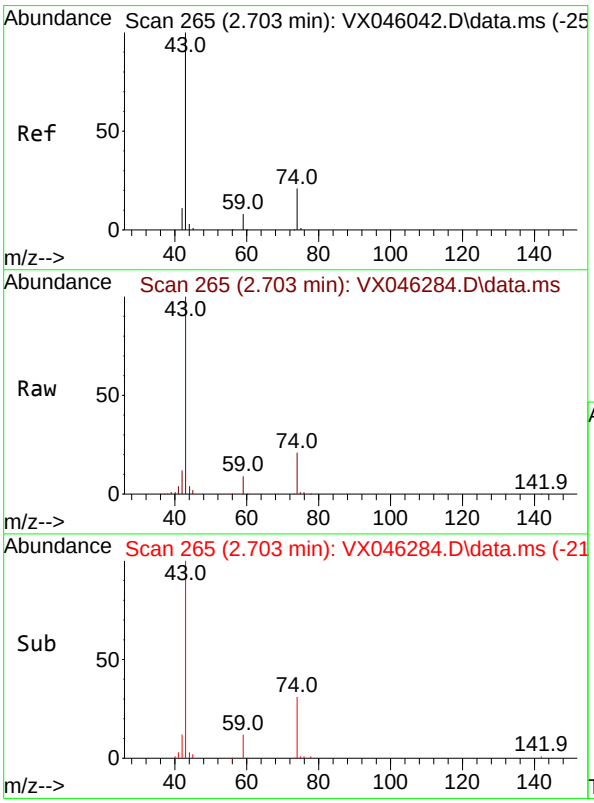
#17
Carbon Disulfide
Concen: 45.096 ug/l
RT: 2.501 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 120535

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4

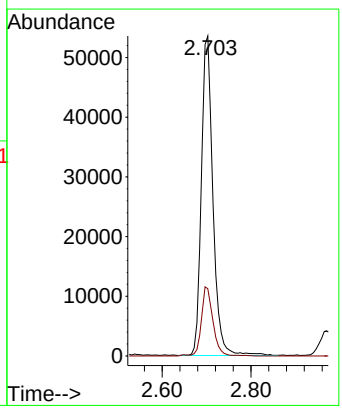


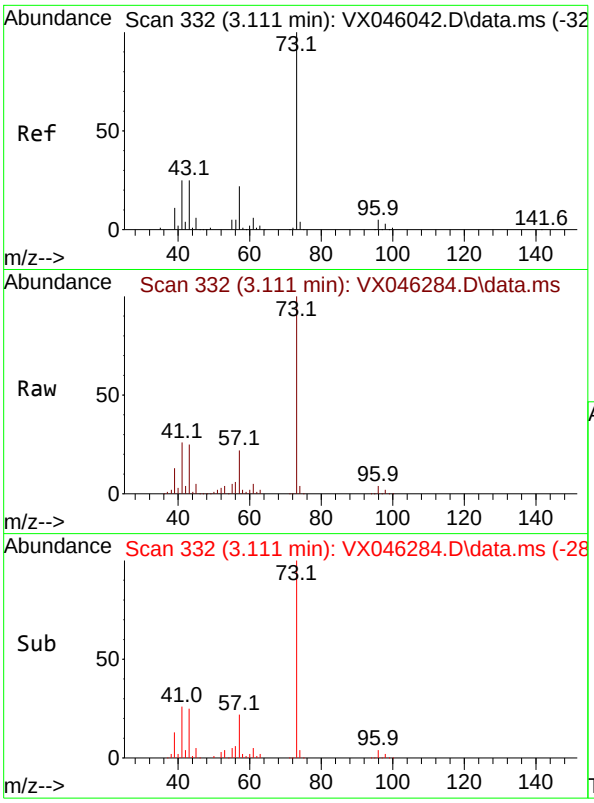


#18
Methyl Acetate
Concen: 59.105 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 97480

Ion	Ratio	Lower	Upper
43	100		
74	21.6	16.7	25.1



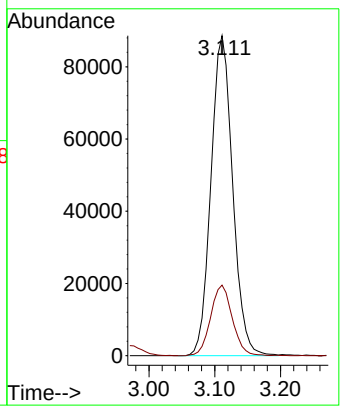


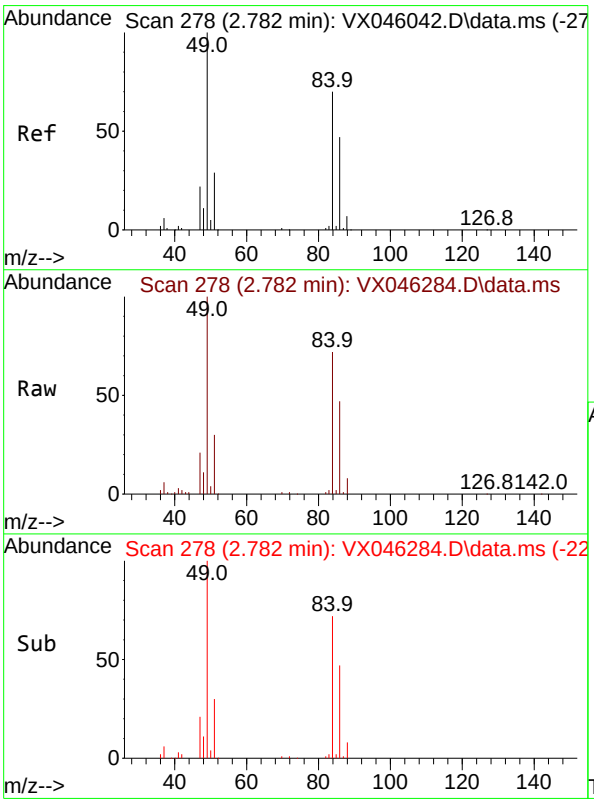
#19
Methyl tert-butyl Ether
Concen: 51.499 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 203555

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

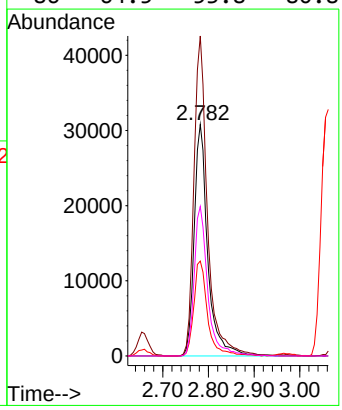


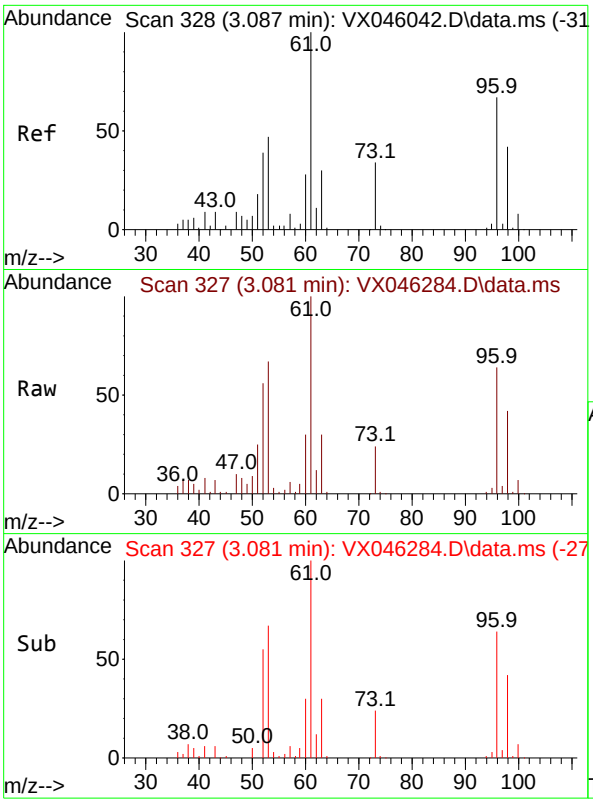


#20
Methylene Chloride
Concen: 46.691 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 84 Resp: 63593

Ion	Ratio	Lower	Upper
84	100		
49	138.2	113.9	170.9
51	41.0	33.5	50.3
86	64.5	53.8	80.8



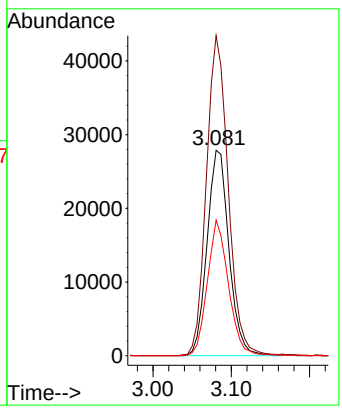


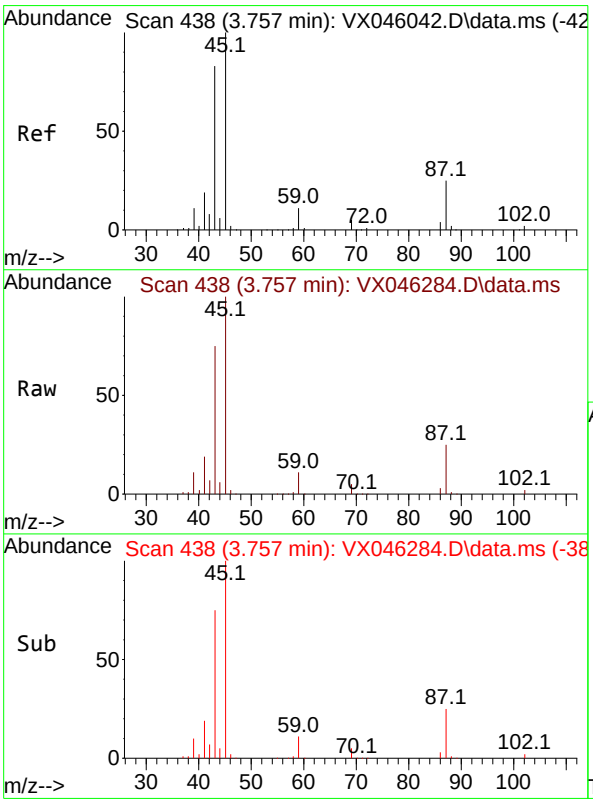
#21
trans-1,2-Dichloroethene
Concen: 47.714 ug/l
RT: 3.081 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 54097

Ion	Ratio	Lower	Upper
96	100		
61	155.7	119.5	179.3
98	66.0	50.0	75.0

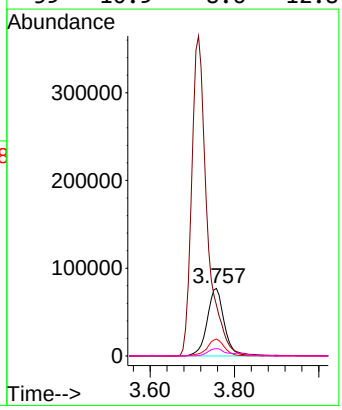


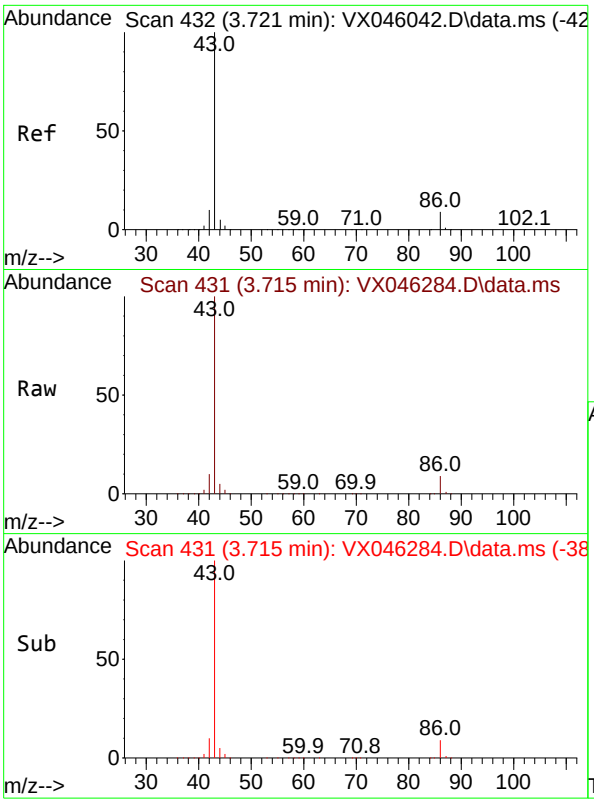


#22
Diisopropyl ether
Concen: 51.803 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 45 Resp: 215610

Ion	Ratio	Lower	Upper
45	100		
43	75.3	66.6	100.0
87	25.0	19.8	29.6
59	10.9	8.6	12.8



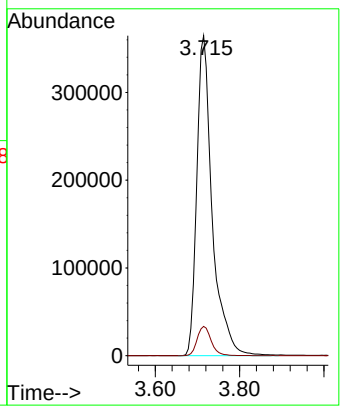


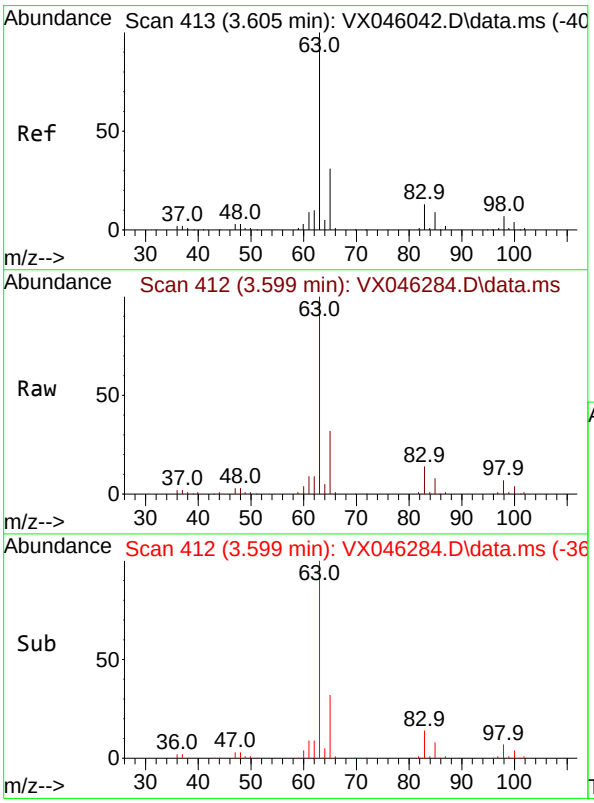
#23
Vinyl Acetate
Concen: 254.084 ug/l
RT: 3.715 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 930126

Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.5	11.3

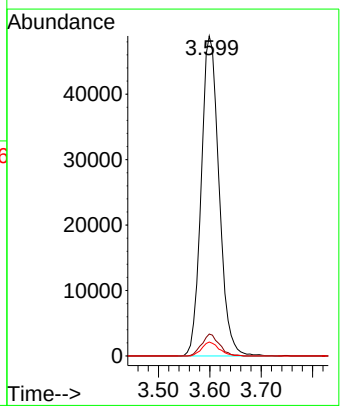


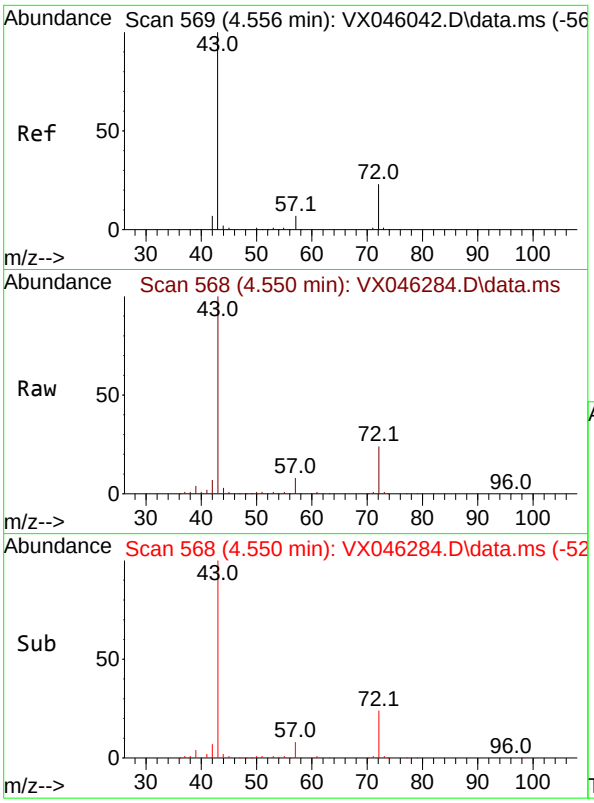


#24
1,1-Dichloroethane
Concen: 50.800 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 63 Resp: 117763

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.6	10.8
100	4.4	2.1	6.3



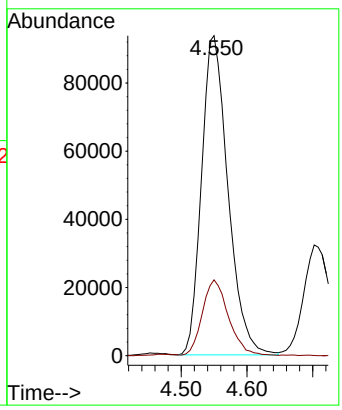


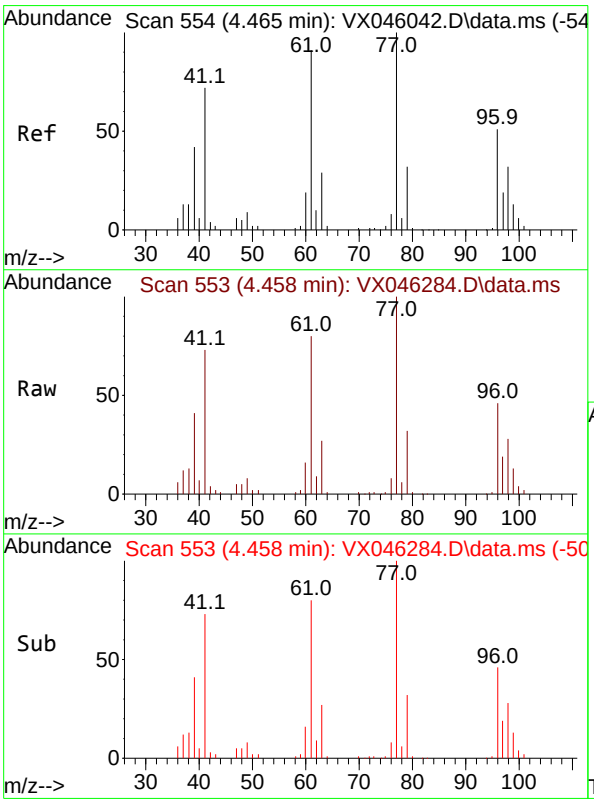
#25
2-Butanone
Concen: 254.074 ug/l
RT: 4.550 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 262160

Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.4	27.6

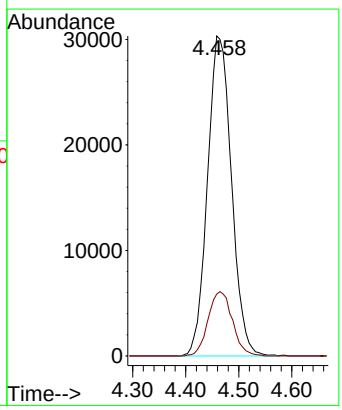


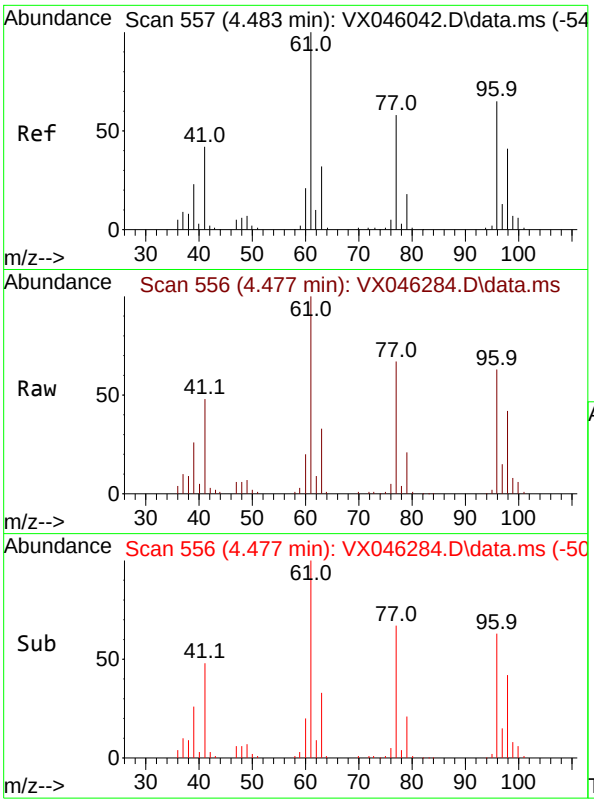


#26
2,2-Dichloropropane
Concen: 52.543 ug/l
RT: 4.458 min Scan# 553
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 77 Resp: 95337

Ion	Ratio	Lower	Upper
77	100		
97	20.3	10.5	31.5



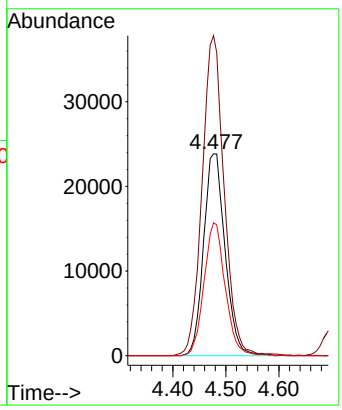


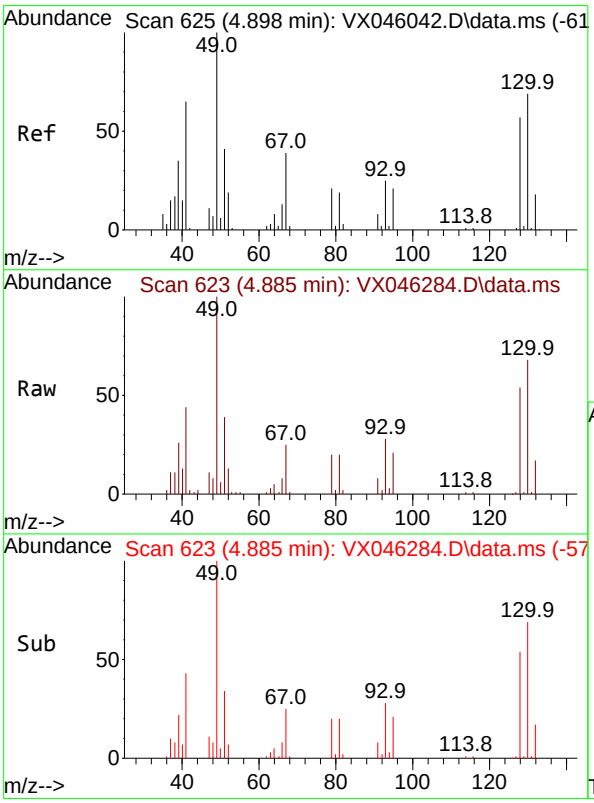
#27
cis-1,2-Dichloroethene
Concen: 49.246 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 67216

Ion	Ratio	Lower	Upper
96	100		
61	162.3	0.0	322.8
98	64.6	0.0	129.0

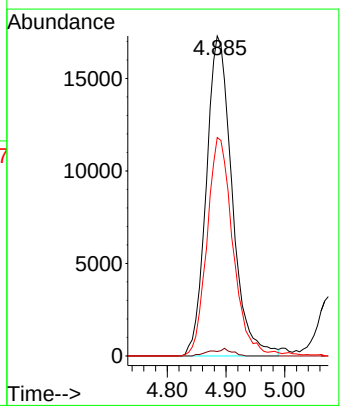


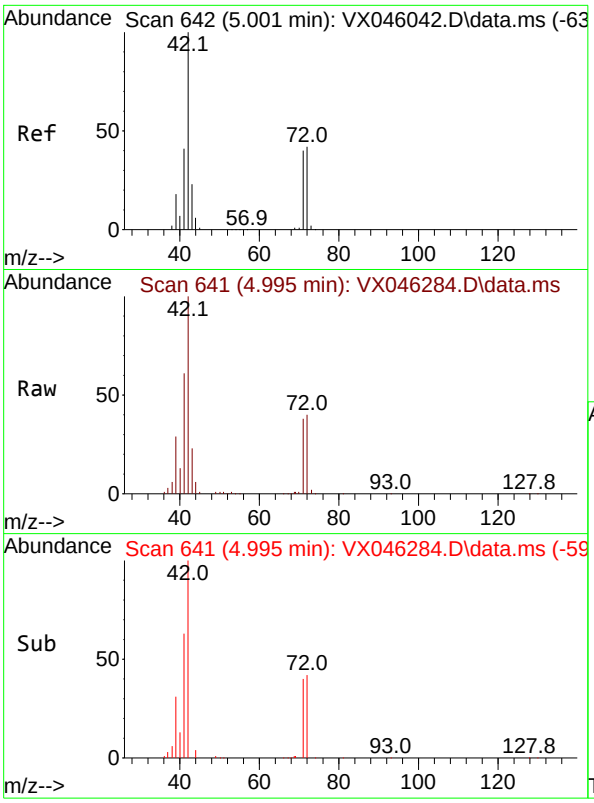


#28
Bromochloromethane
Concen: 47.215 ug/l
RT: 4.885 min Scan# 623
Delta R.T. -0.012 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 49 Resp: 52685

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	68.0	56.2	84.2



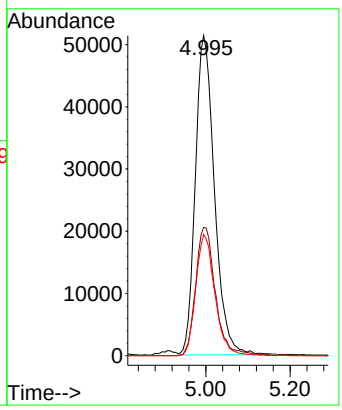


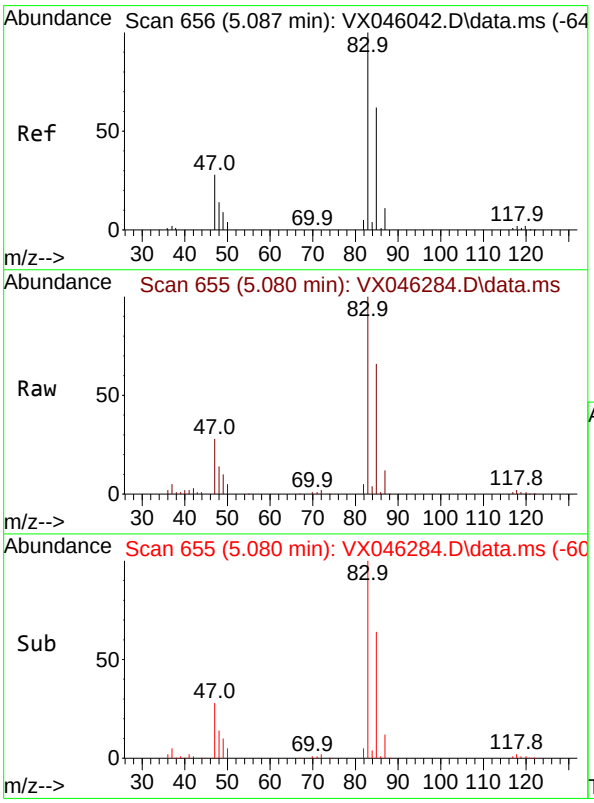
#29
Tetrahydrofuran
Concen: 250.853 ug/l
RT: 4.995 min Scan# 64
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 162193

Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	37.8	31.4	47.2

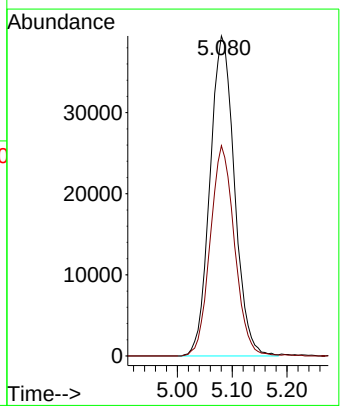


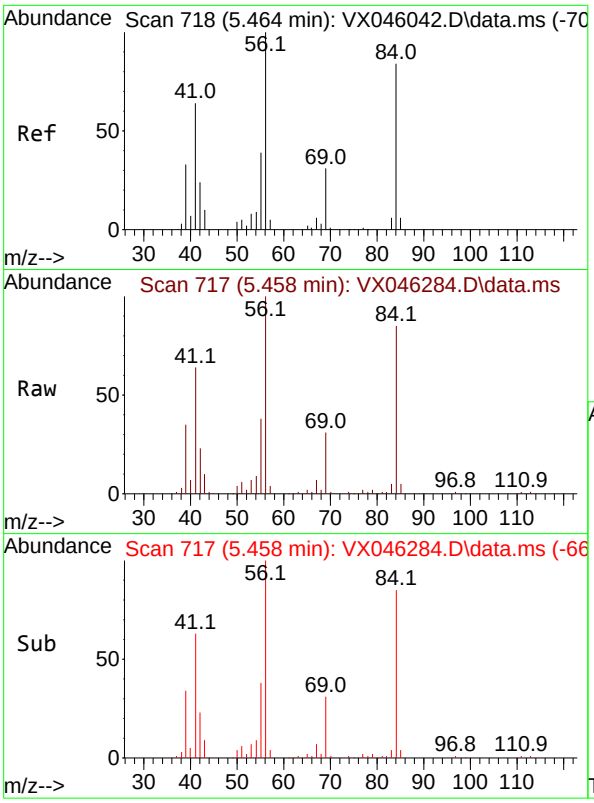


#30
Chloroform
Concen: 50.762 ug/l
RT: 5.080 min Scan# 655
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 83 Resp: 122654

Ion	Ratio	Lower	Upper
83	100		
85	65.7	49.3	73.9



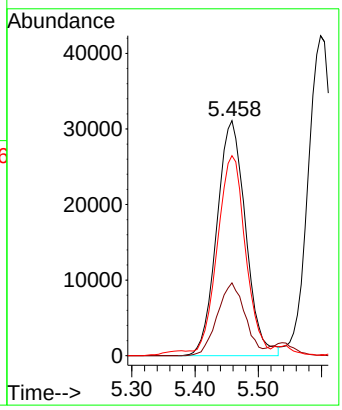


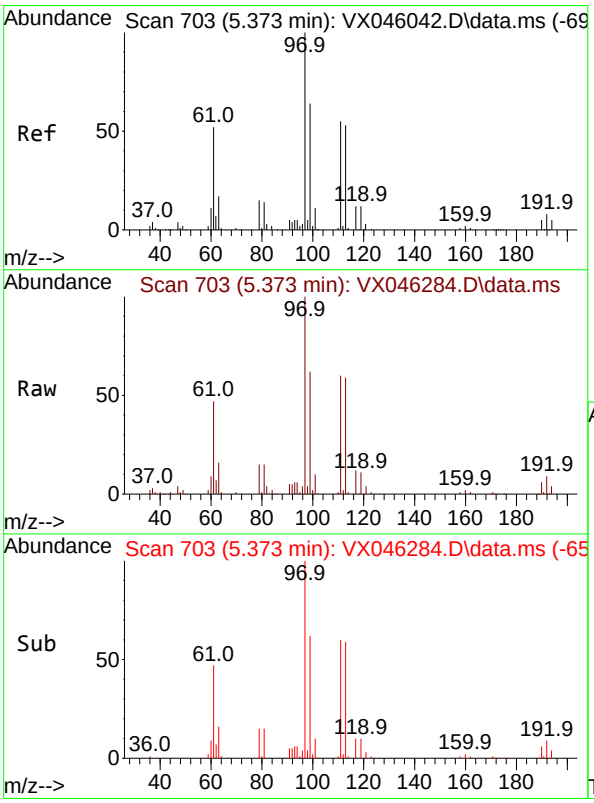
#31
Cyclohexane
Concen: 46.552 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 98339

Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.4	36.6
84	83.0	66.9	100.3

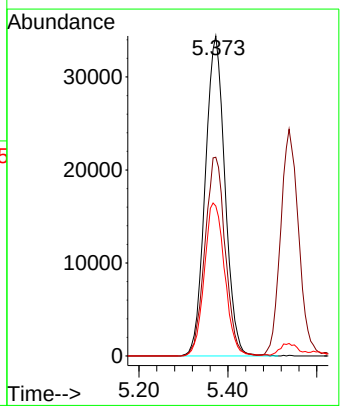


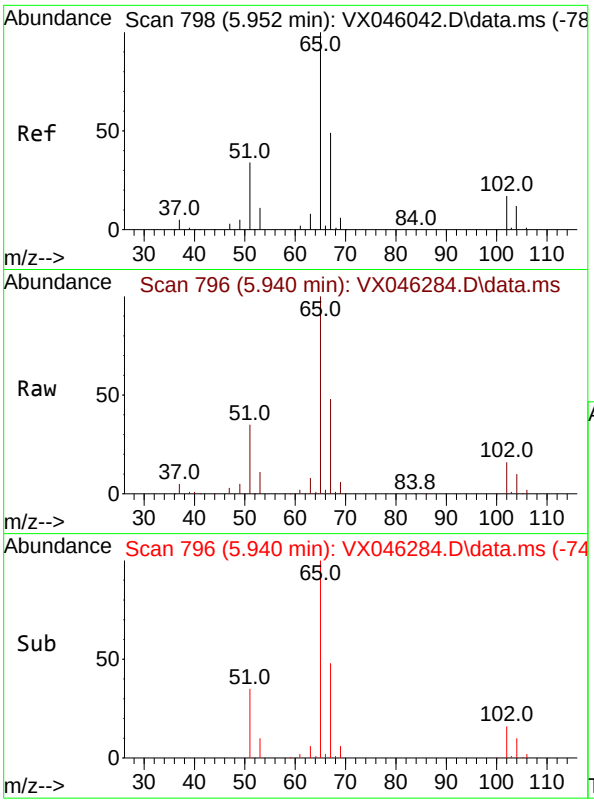


#32
1,1,1-Trichloroethane
Concen: 50.660 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 97 Resp: 106109

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.8	77.6
61	49.6	40.1	60.1



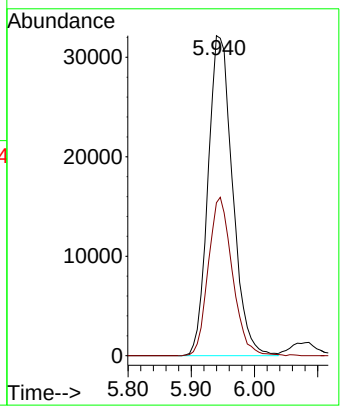


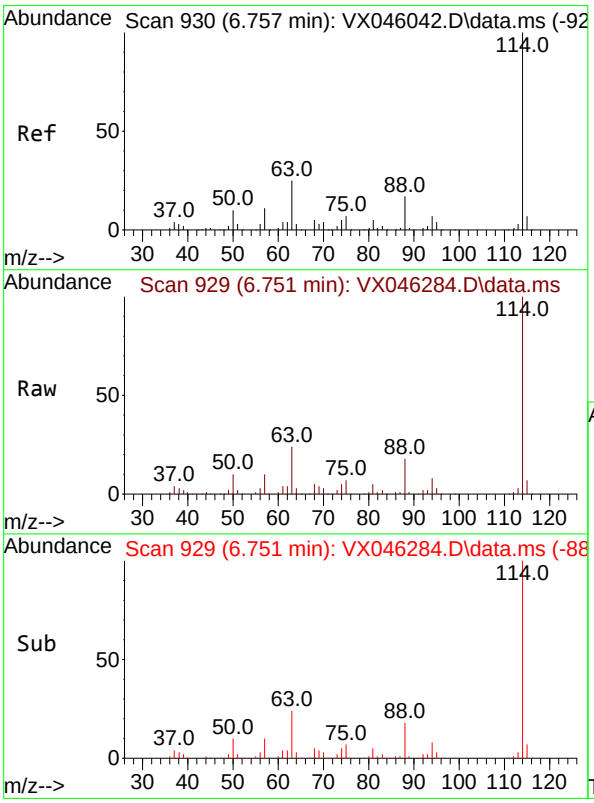
#33
1,2-Dichloroethane-d4
Concen: 48.949 ug/l
RT: 5.940 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 86766

Ion	Ratio	Lower	Upper
65	100		
67	48.6	0.0	99.0

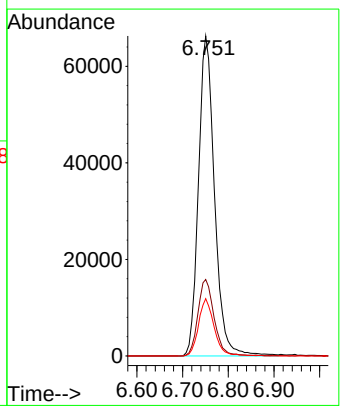


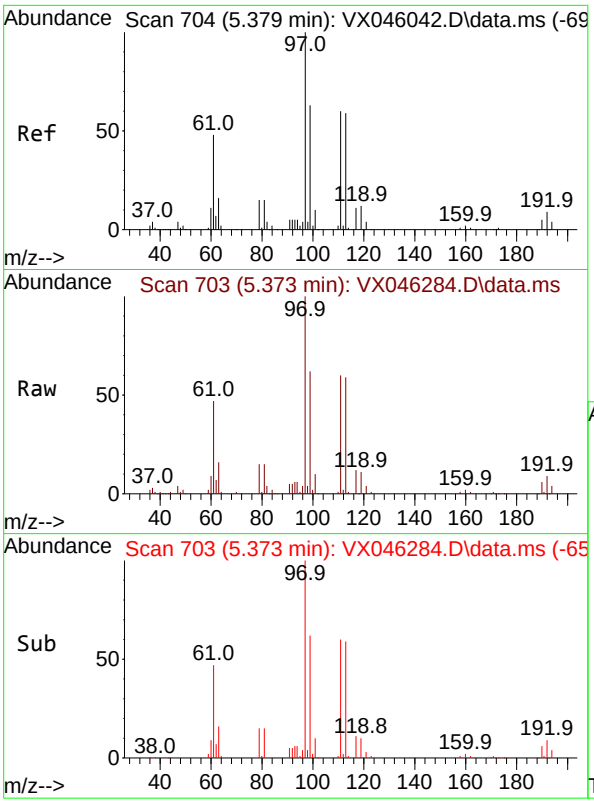


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 929
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:114 Resp: 161730

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	49.2
88	17.9	0.0	33.6



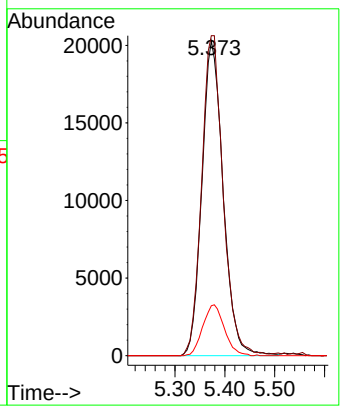


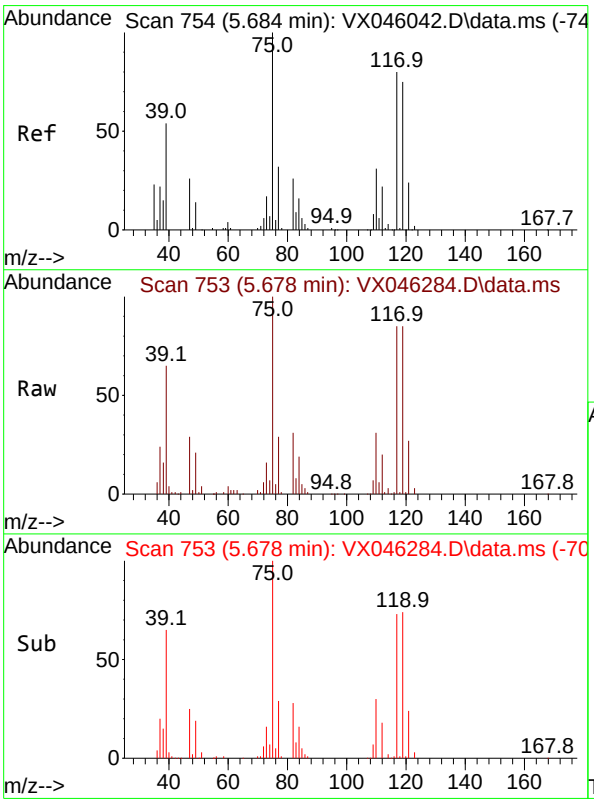
#35
Dibromofluoromethane
Concen: 51.518 ug/l
RT: 5.373 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 59999

Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.1	124.7
192	16.4	13.3	19.9

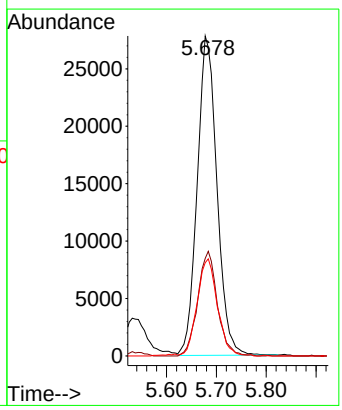


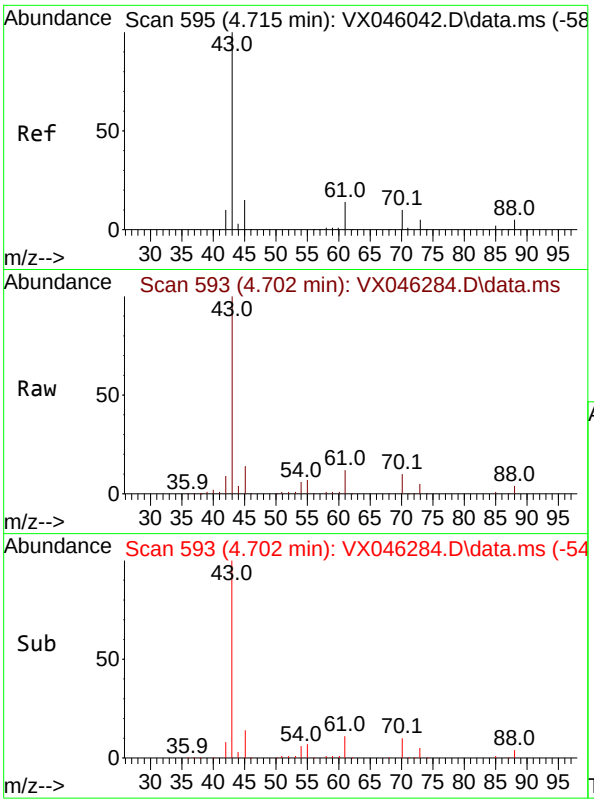


#36
1,1-Dichloropropene
Concen: 48.791 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 75 Resp: 76348

Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.3	48.9
77	31.6	24.3	36.5



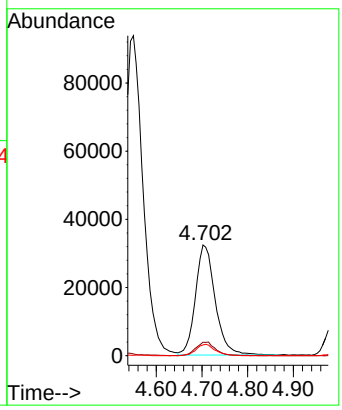


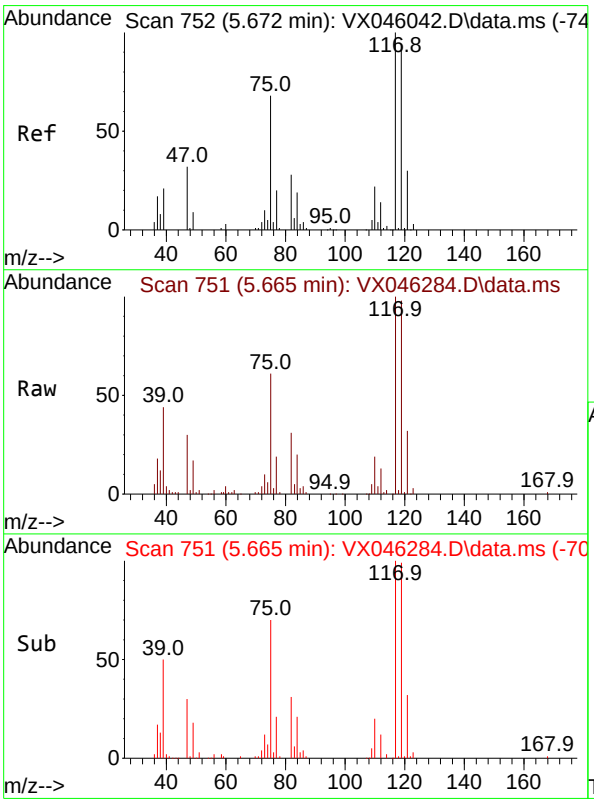
#37
Ethyl Acetate
Concen: 50.197 ug/l
RT: 4.702 min Scan# 5
Delta R.T. -0.012 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 97045

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.3	15.5
70	9.9	7.9	11.9

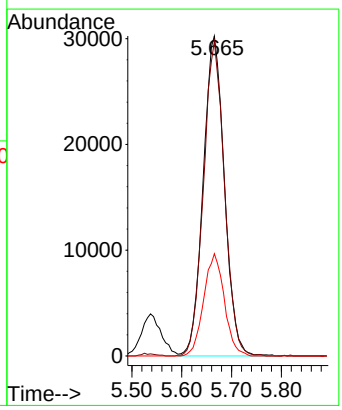


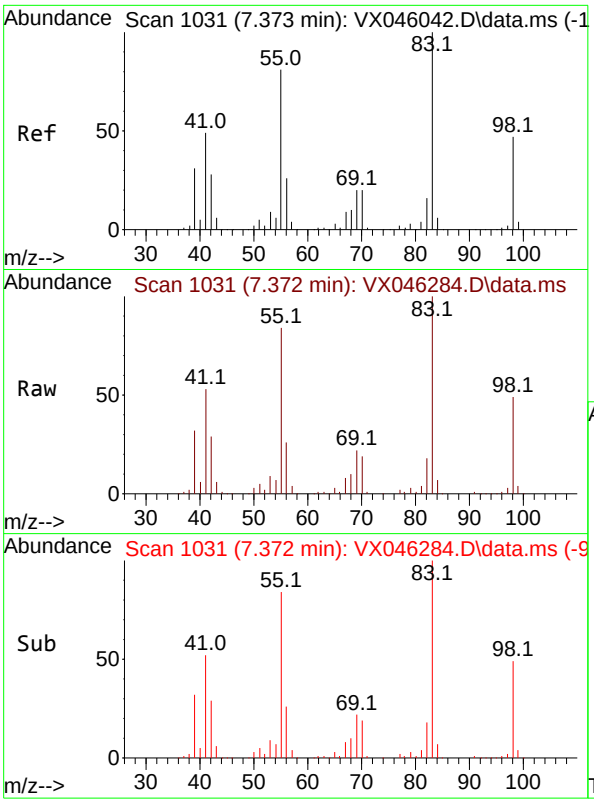


#38
Carbon Tetrachloride
Concen: 50.907 ug/l
RT: 5.665 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:117 Resp: 89504

Ion	Ratio	Lower	Upper
117	100		
119	98.3	75.2	112.8
121	32.0	24.2	36.4



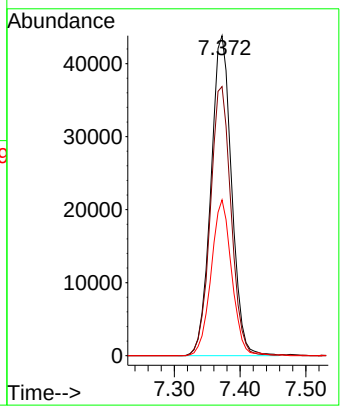


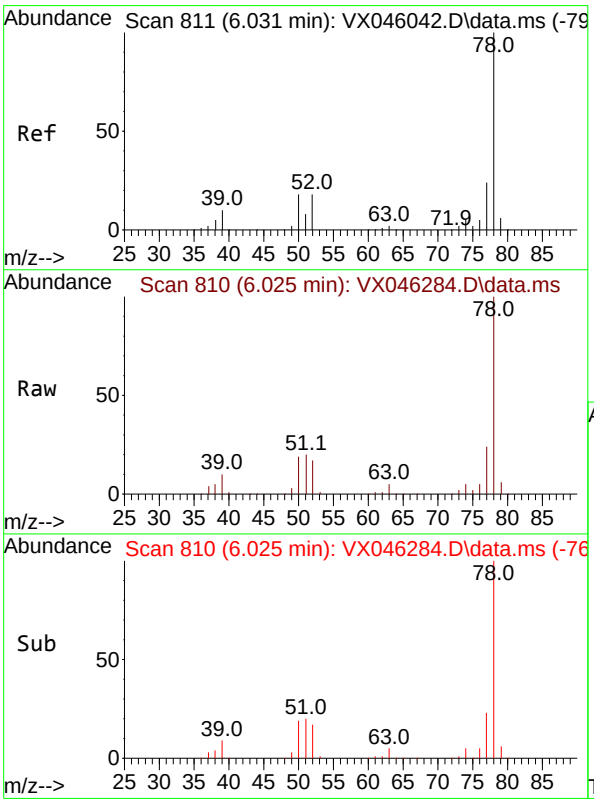
#39
Methylcyclohexane
Concen: 47.691 ug/l
RT: 7.372 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 96076

Ion	Ratio	Lower	Upper
83	100		
55	84.1	64.7	97.1
98	48.7	37.4	56.2

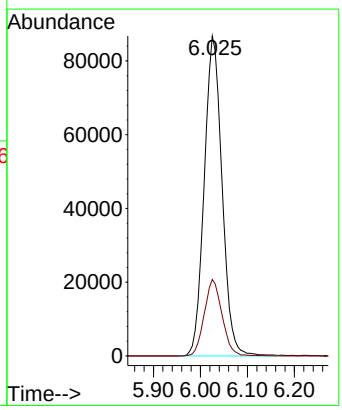


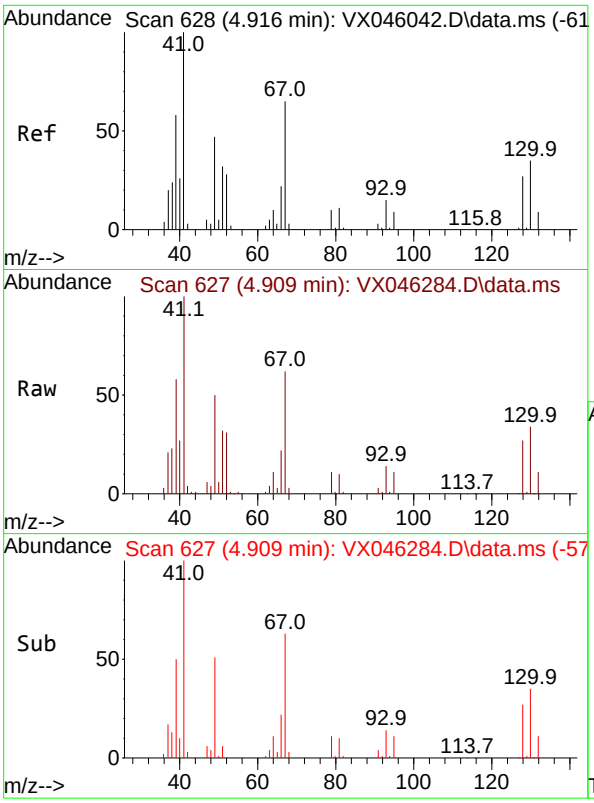


#40
Benzene
Concen: 49.833 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 78 Resp: 228406

Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4



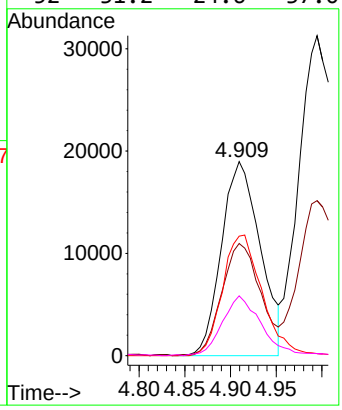


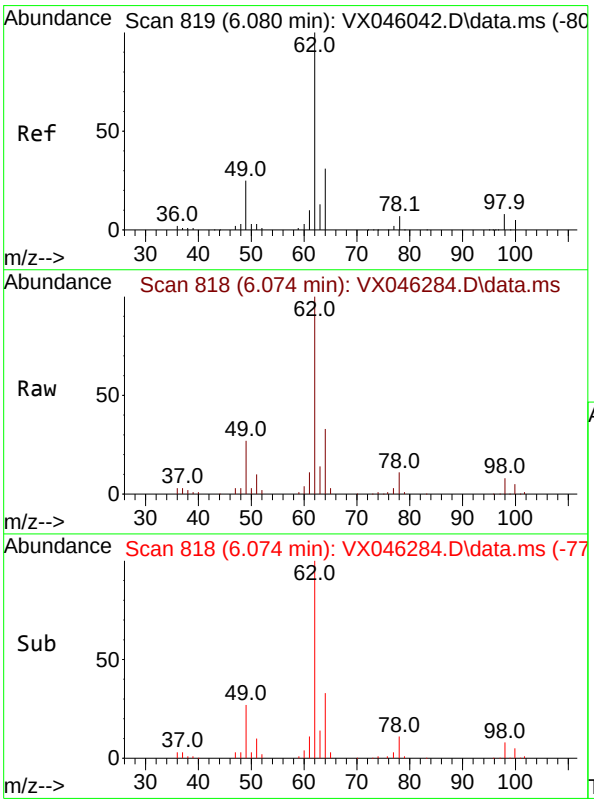
#41
Methacrylonitrile
Concen: 55.480 ug/l
RT: 4.909 min Scan# 6
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 56109

Ion	Ratio	Lower	Upper
41	100		
39	57.9	47.2	70.8
67	63.5	50.7	76.1
52	31.2	24.6	37.0

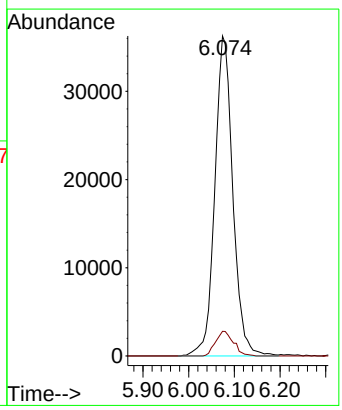


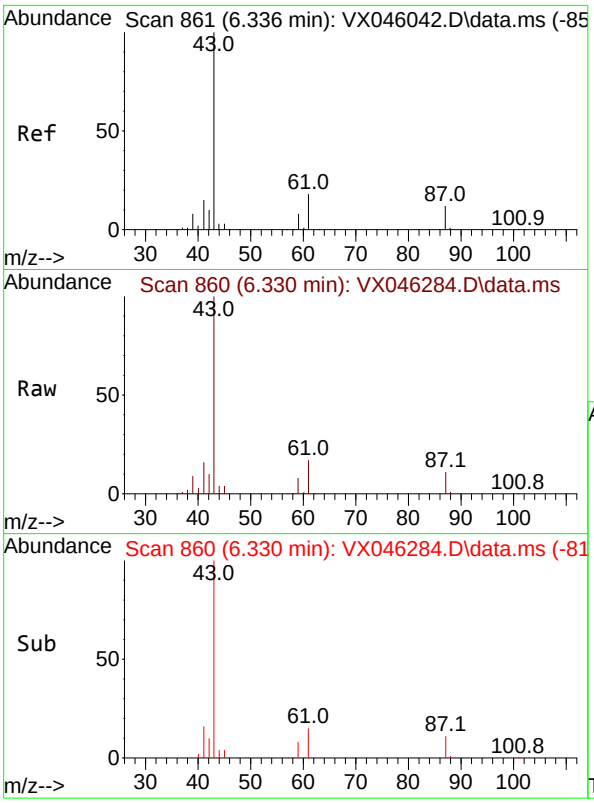


#42
1,2-Dichloroethane
Concen: 50.298 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 62 Resp: 99497

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.2



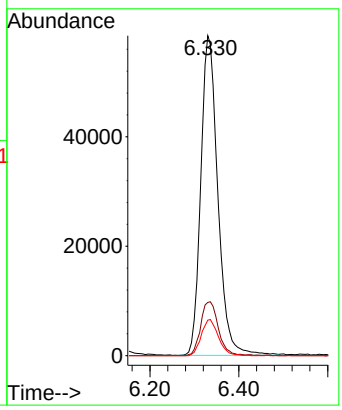


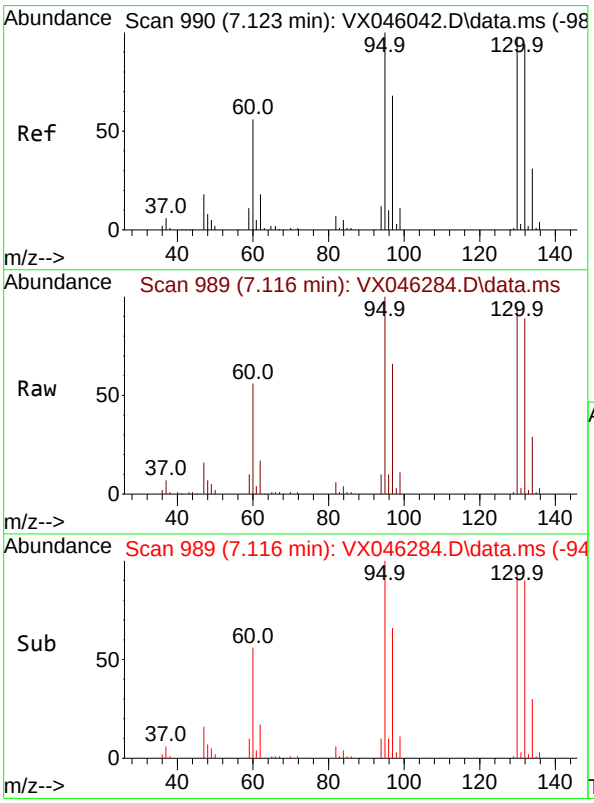
#43
Isopropyl Acetate
Concen: 52.987 ug/l
RT: 6.330 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 156279

Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.3	21.5
87	11.3	9.5	14.3

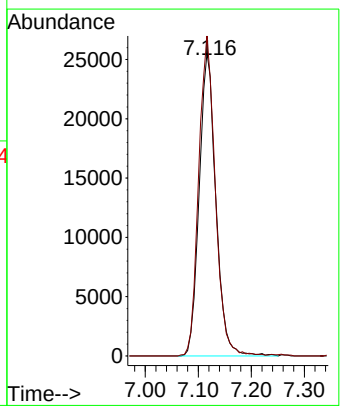


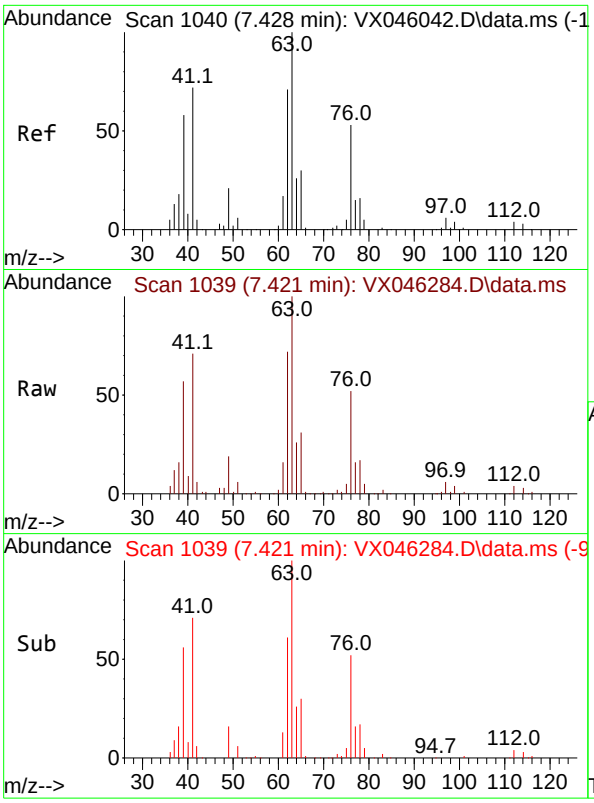


#44
Trichloroethene
Concen: 50.452 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:130 Resp: 55656

Ion	Ratio	Lower	Upper
130	100		
95	105.6	0.0	204.2



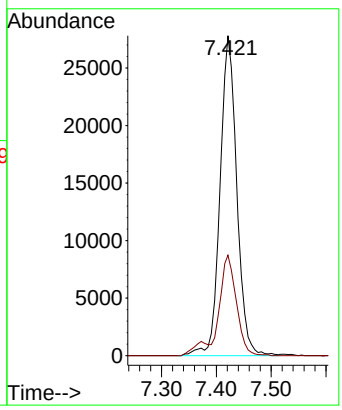


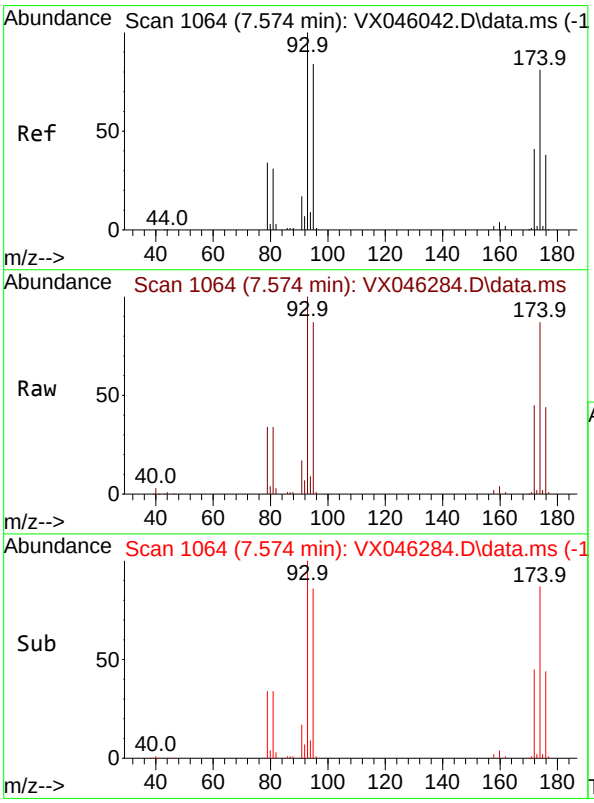
#45
1,2-Dichloropropane
Concen: 51.990 ug/l
RT: 7.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 59253

Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.1	36.1

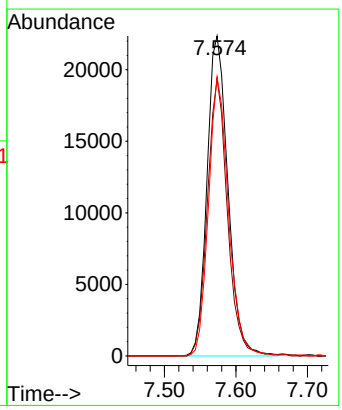


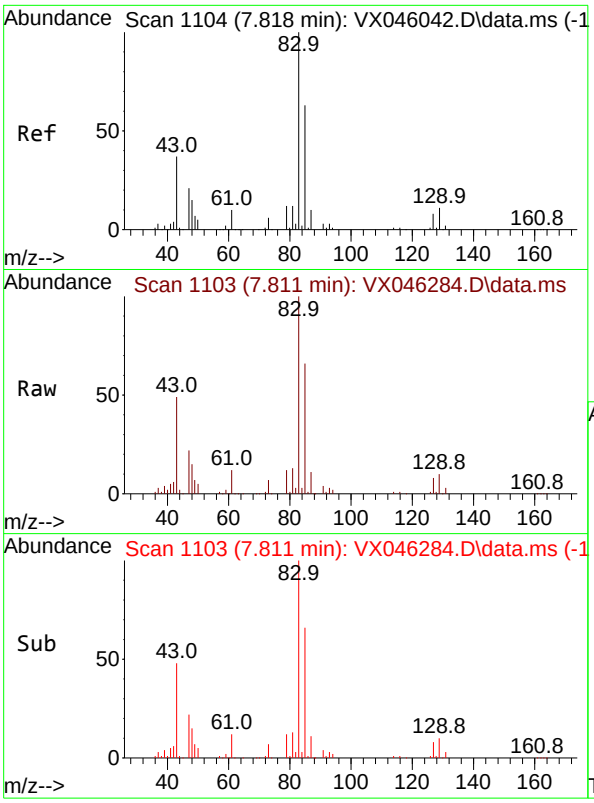


#46
Dibromomethane
Concen: 50.531 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 93 Resp: 45422

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.6	98.4
174	83.8	68.2	102.2



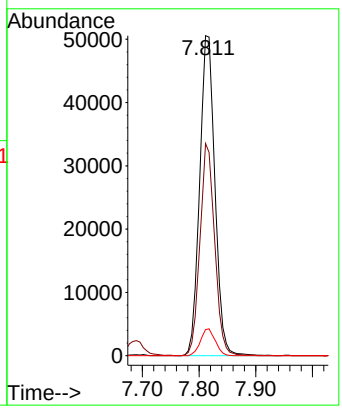


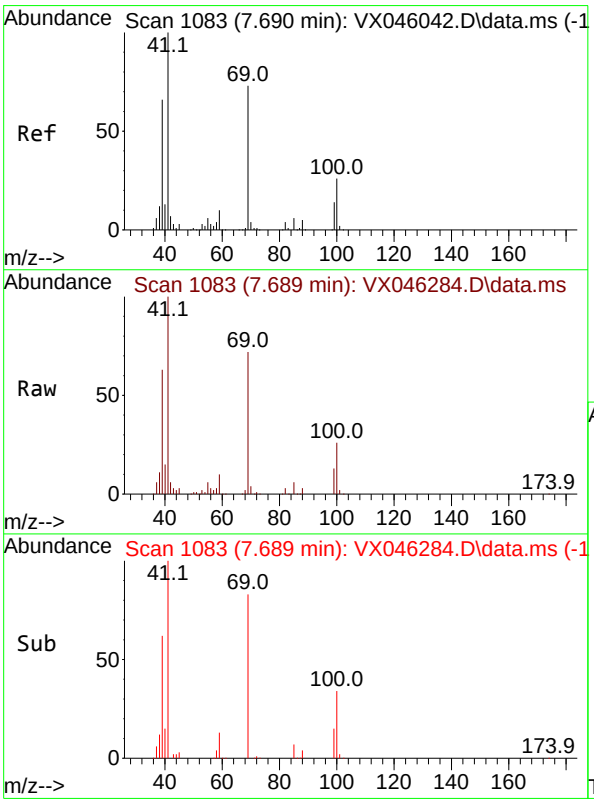
#47
Bromodichloromethane
Concen: 53.478 ug/l
RT: 7.811 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 94679

Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.5	75.7
127	8.1	6.5	9.7

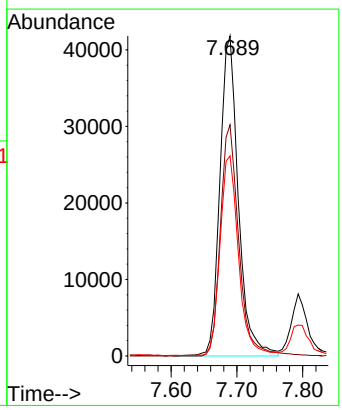


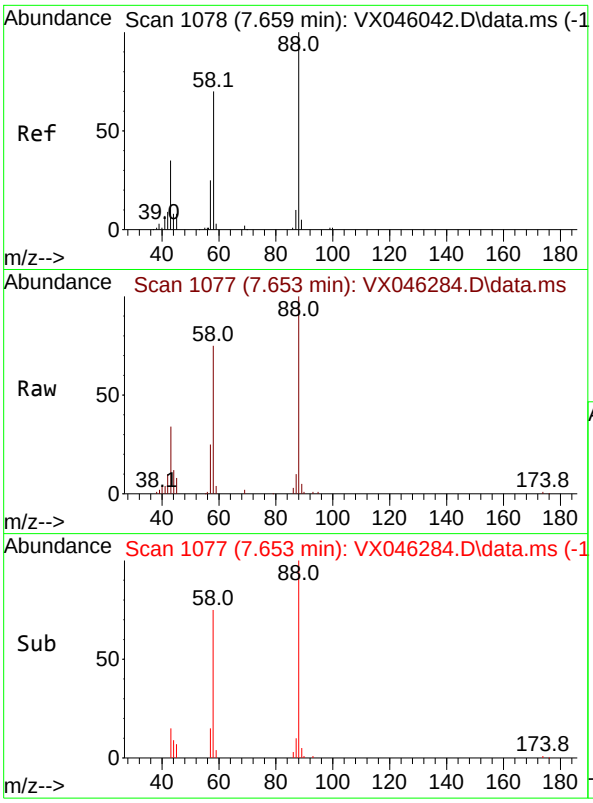


#48
Methyl methacrylate
Concen: 54.212 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 41 Resp: 81658

Ion	Ratio	Lower	Upper
41	100		
69	72.1	58.5	87.7
39	62.3	51.7	77.5



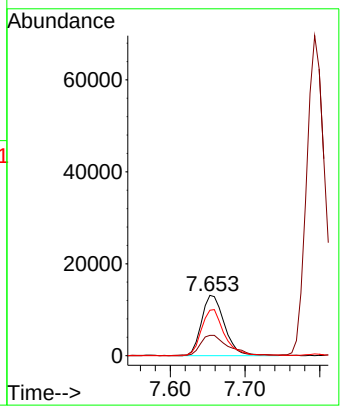


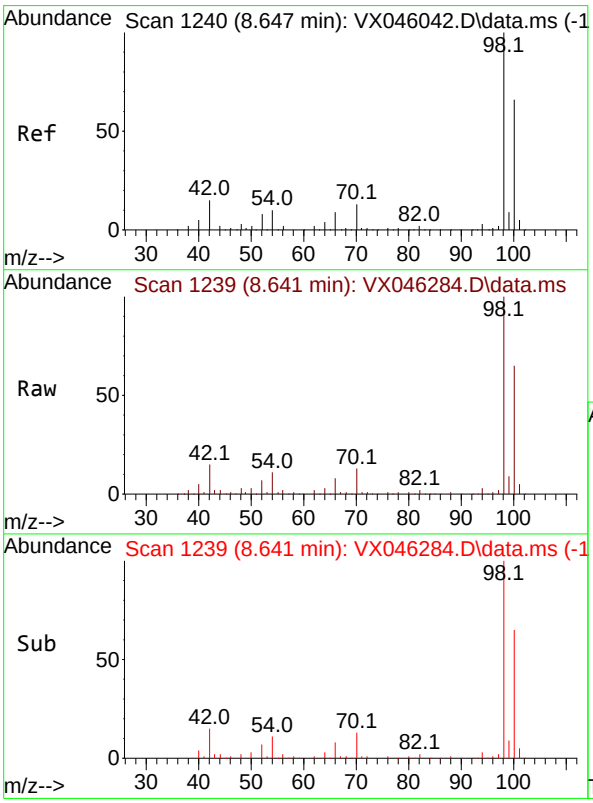
#49
1,4-Dioxane
Concen: 977.870 ug/l
RT: 7.653 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 27967

Ion	Ratio	Lower	Upper
88	100		
43	42.1	33.4	50.2
58	76.5	58.6	88.0

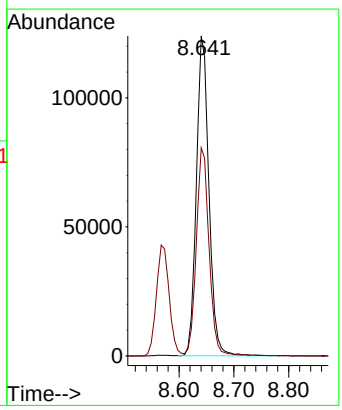


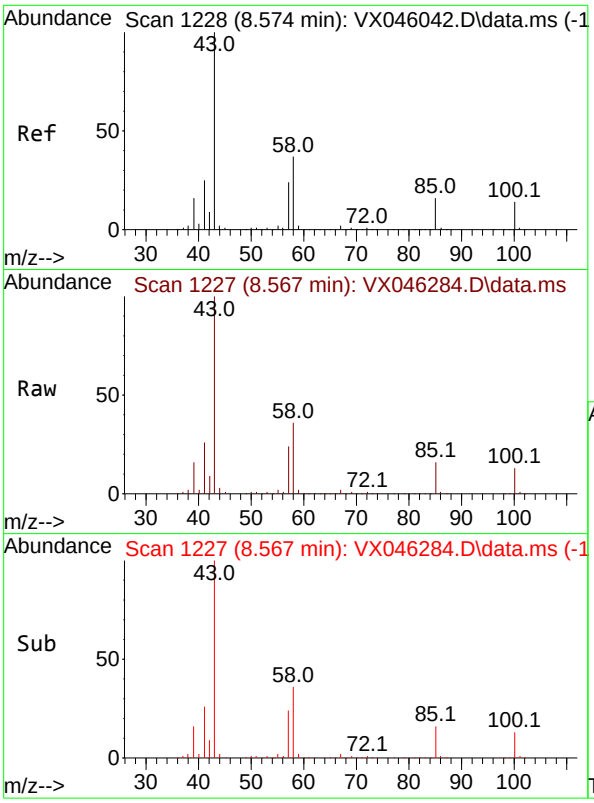


#50
Toluene-d8
Concen: 49.081 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 98 Resp: 197841

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.5	80.3



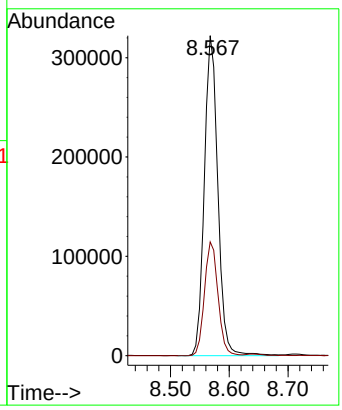


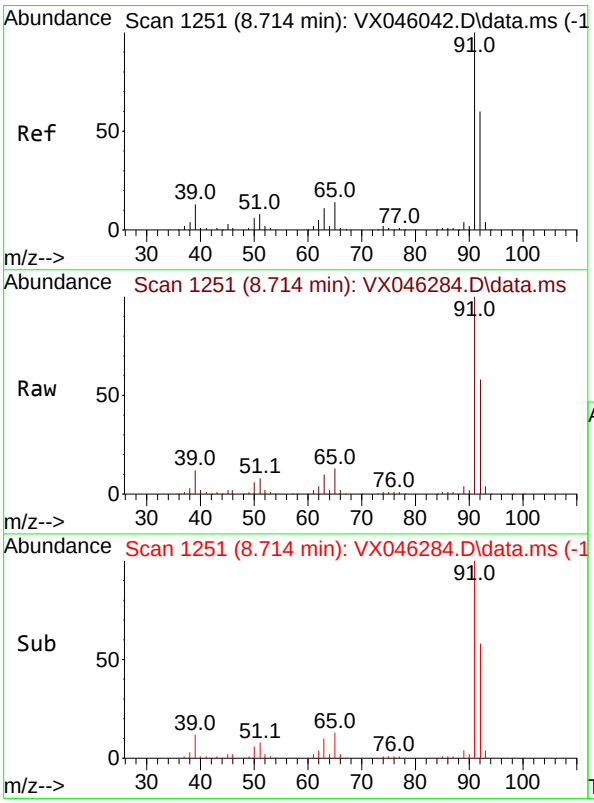
#51
4-Methyl-2-Pentanone
Concen: 262.926 ug/l
RT: 8.567 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 514742

Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.9	43.3

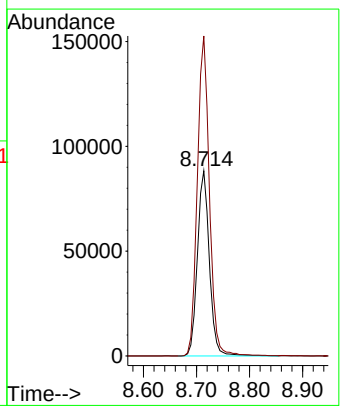


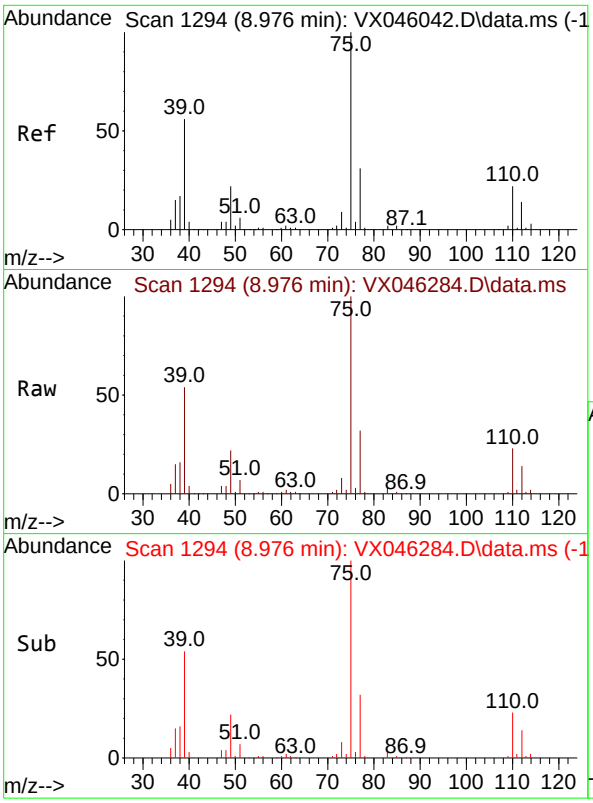


#52
Toluene
Concen: 49.311 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 92 Resp: 138588

Ion	Ratio	Lower	Upper
92	100		
91	174.2	136.6	205.0



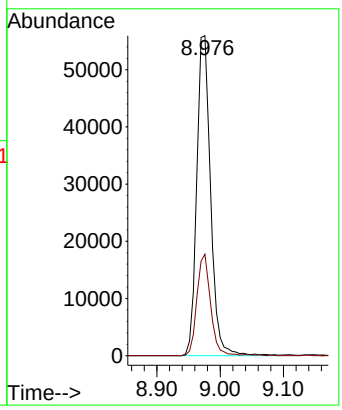


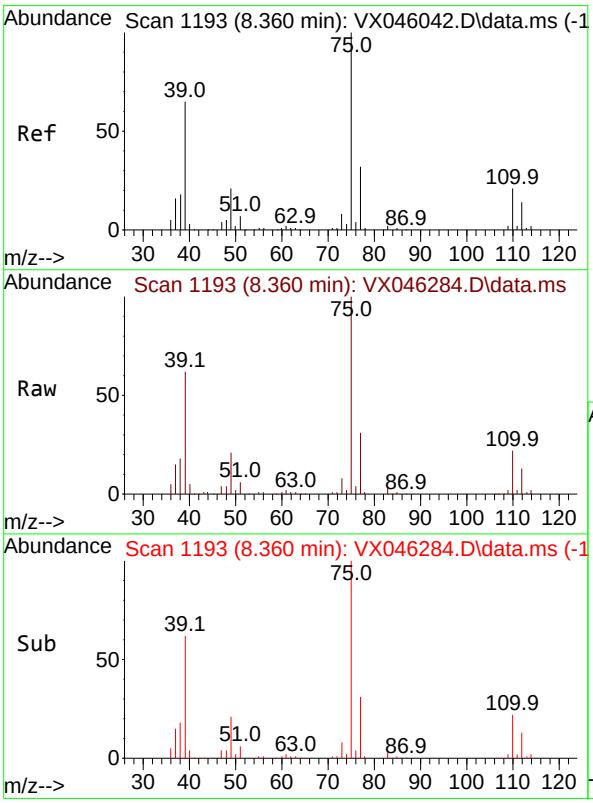
#53
t-1,3-Dichloropropene
Concen: 54.425 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 85646

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6

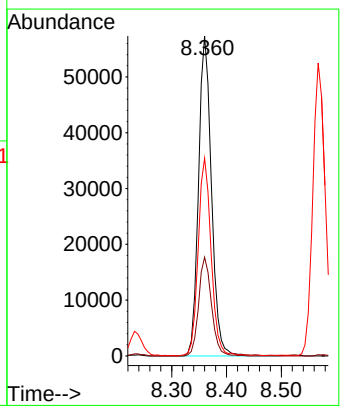


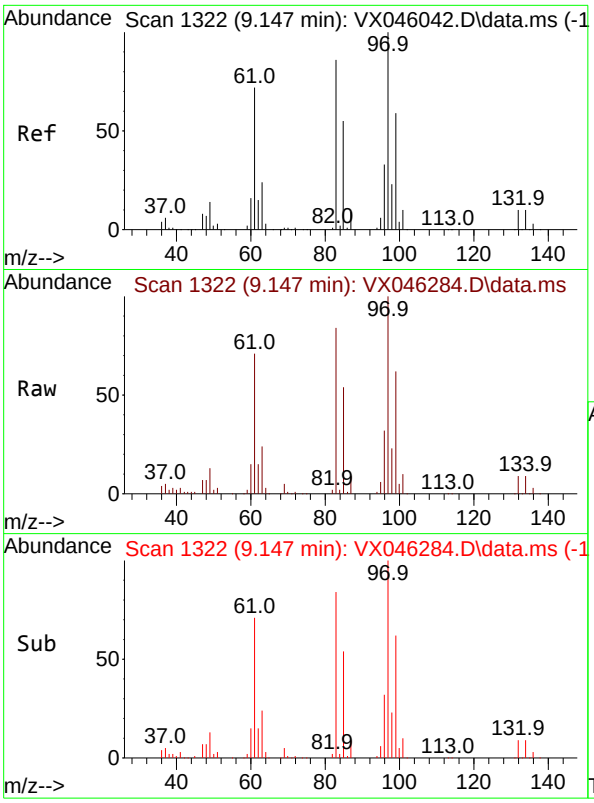


#54
cis-1,3-Dichloropropene
Concen: 54.136 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 75 Resp: 94157

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	61.8	52.2	78.4



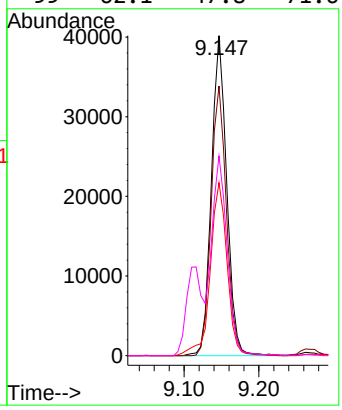


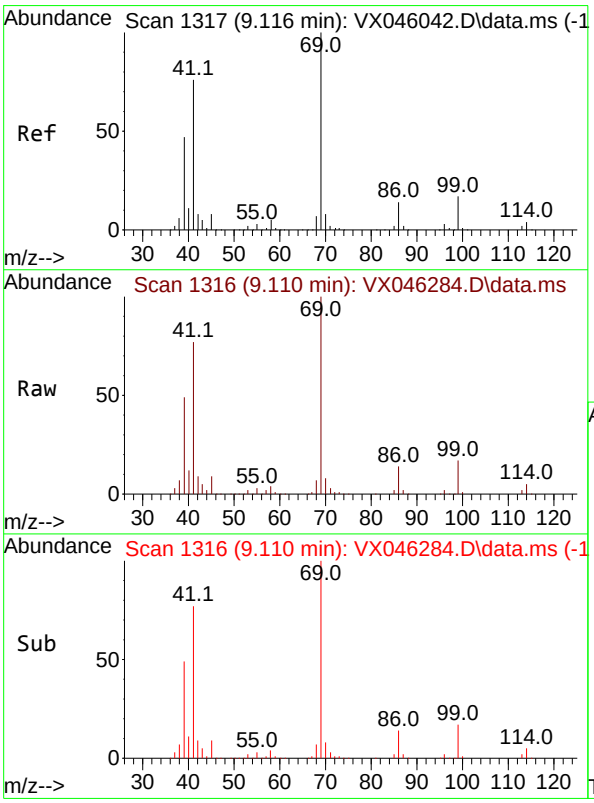
#55
1,1,2-Trichloroethane
Concen: 51.730 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 57326

Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.0	103.6
85	53.9	44.3	66.5
99	62.1	47.8	71.6

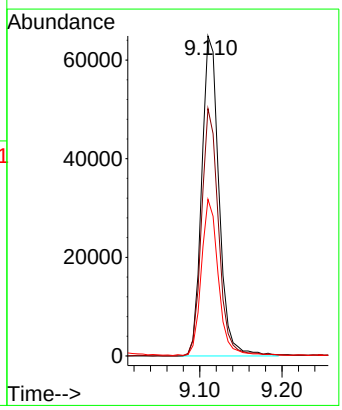


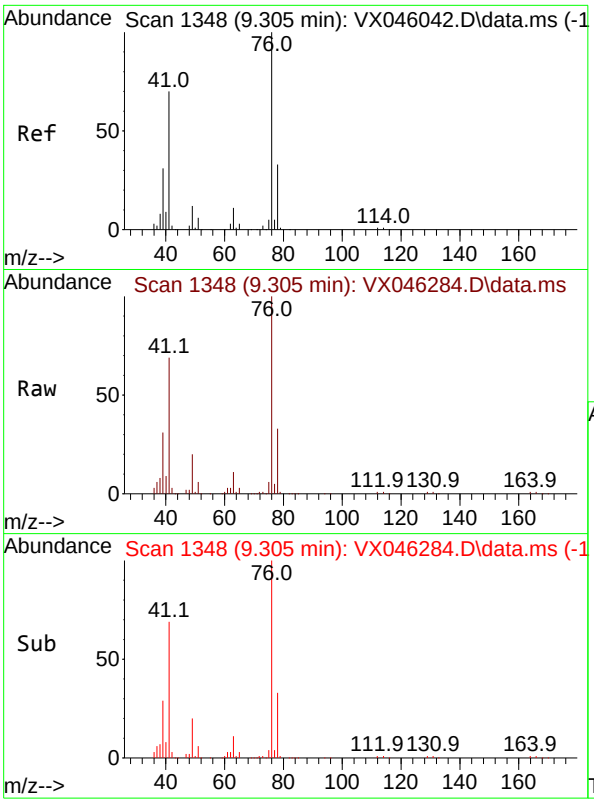


#56
Ethyl methacrylate
Concen: 53.634 ug/l
RT: 9.110 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 69 Resp: 94728

Ion	Ratio	Lower	Upper
69	100		
41	76.5	60.8	91.2
39	48.1	39.0	58.6



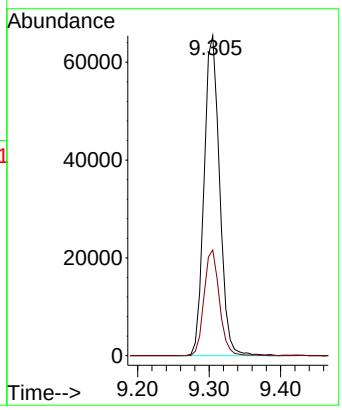


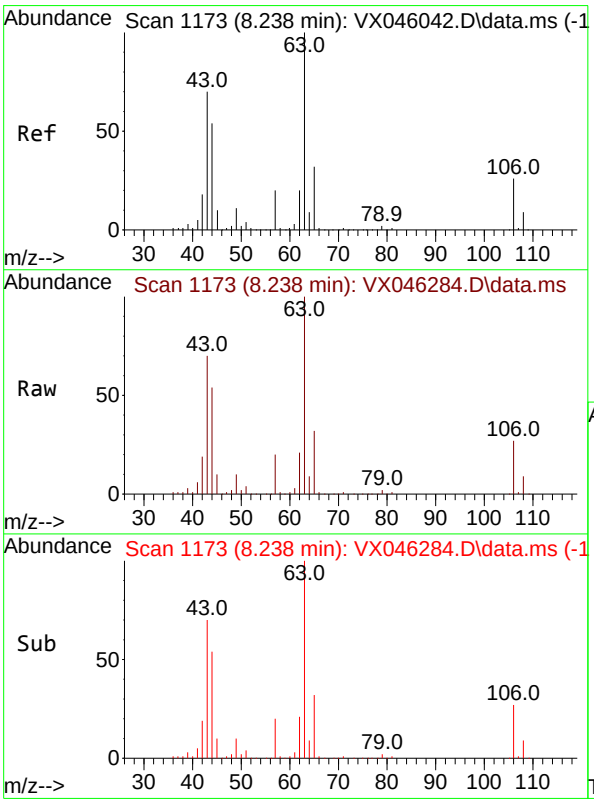
#57
1,3-Dichloropropane
Concen: 49.714 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 98942

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.3	39.5

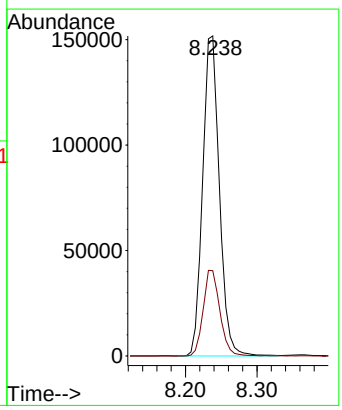


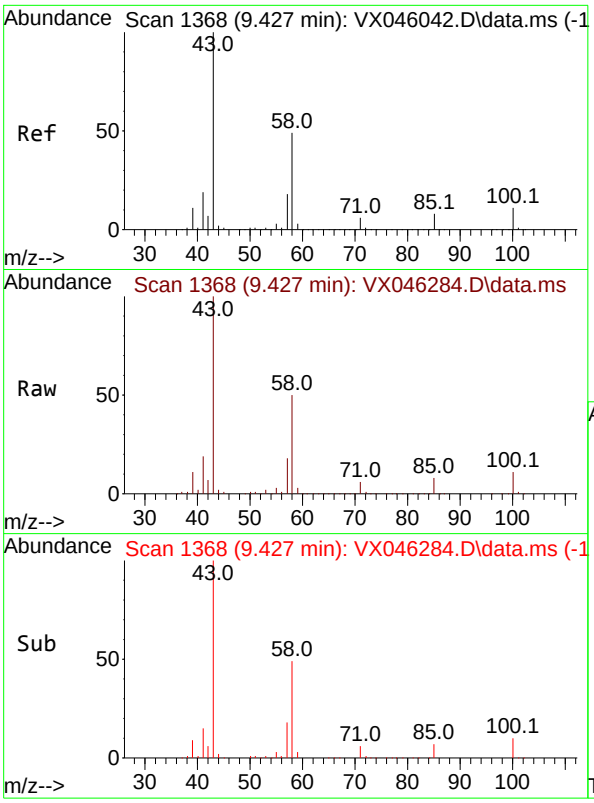


#58
2-Chloroethyl Vinyl ether
Concen: 273.669 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 63 Resp: 246422

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.5	32.3



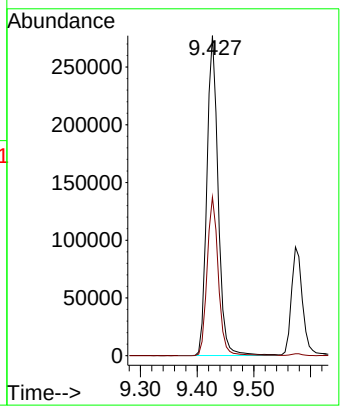


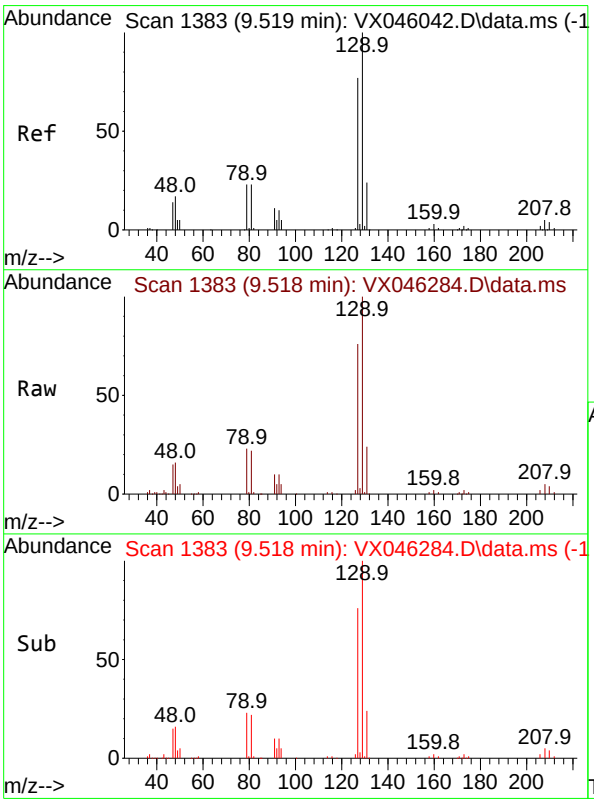
#59
2-Hexanone
Concen: 263.910 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 382250

Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.9	74.6

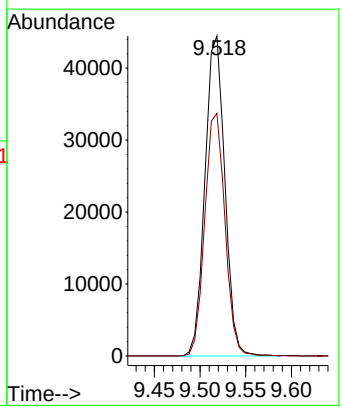


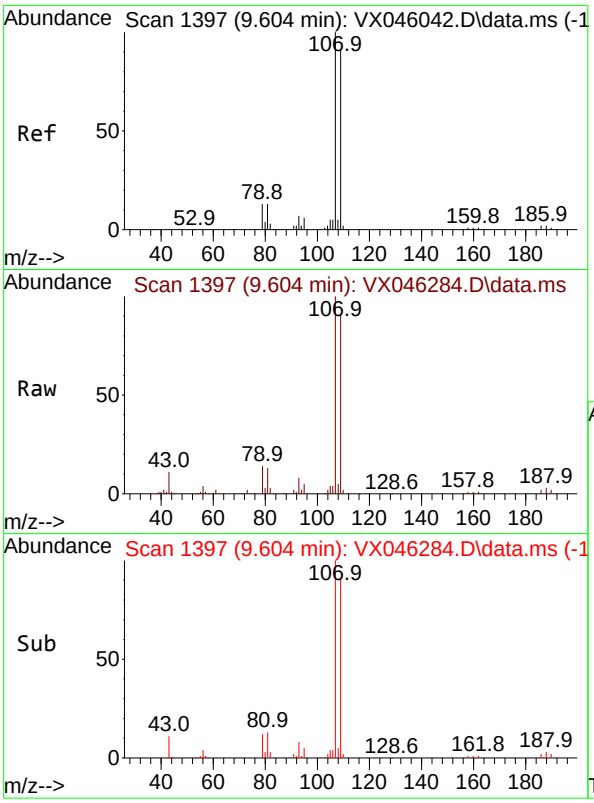


#60
Dibromochloromethane
Concen: 54.971 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:129 Resp: 66902

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.3	117.8



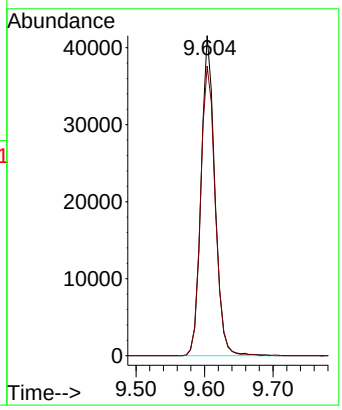


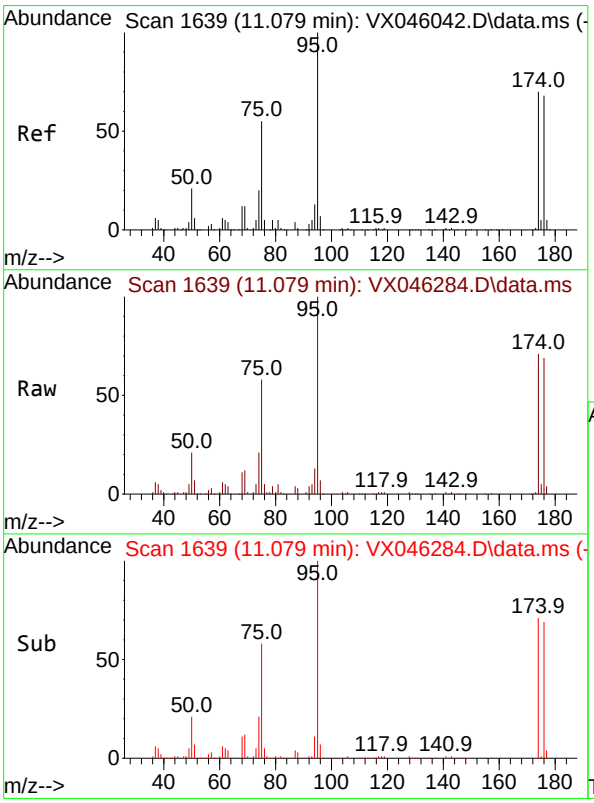
#61
1,2-Dibromoethane
Concen: 50.413 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 58066

Ion	Ratio	Lower	Upper
107	100		
109	95.9	73.3	109.9

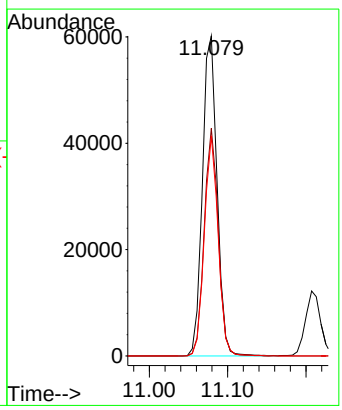


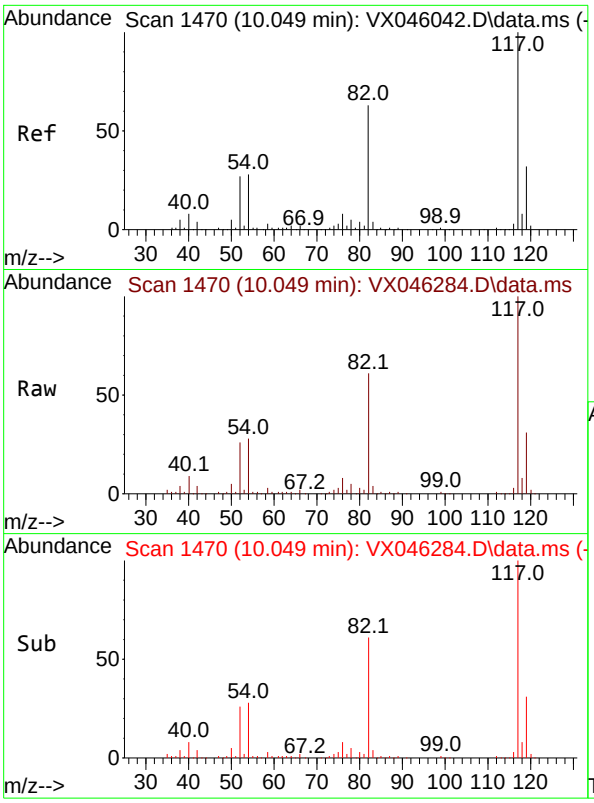


#62
4-Bromofluorobenzene
Concen: 50.363 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 95 Resp: 77871

Ion	Ratio	Lower	Upper
95	100		
174	68.3	0.0	135.8
176	65.0	0.0	131.4



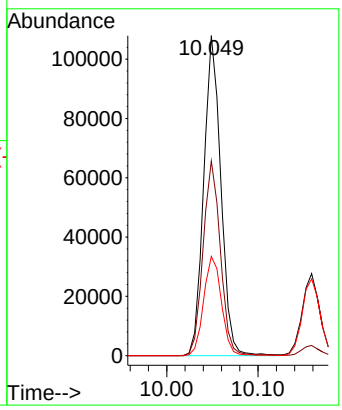


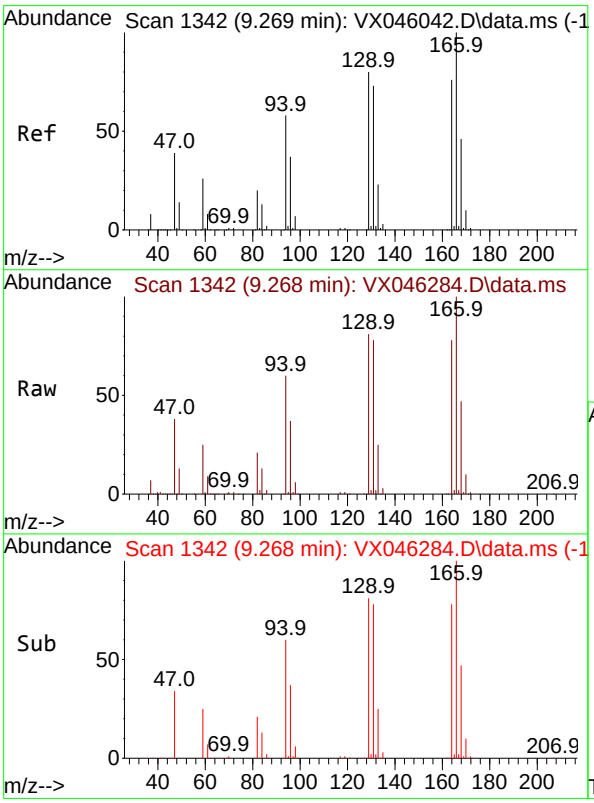
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 140445

Ion	Ratio	Lower	Upper
117	100		
82	60.9	50.6	76.0
119	31.0	25.8	38.6

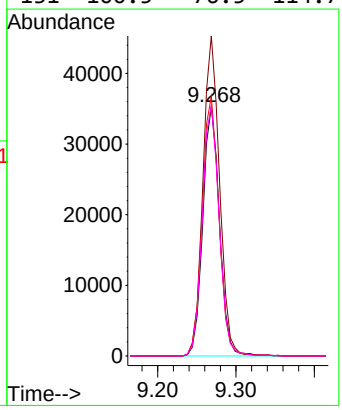


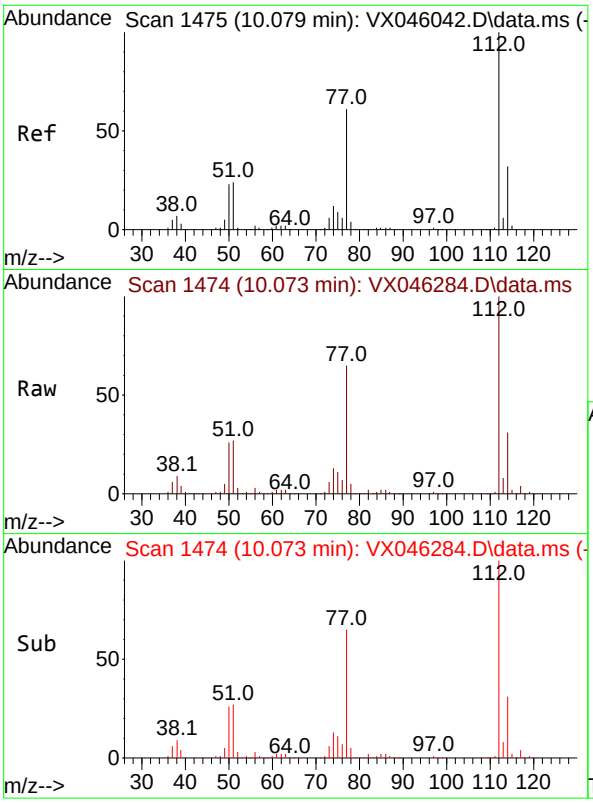


#64
Tetrachloroethene
Concen: 52.359 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:164 Resp: 52030

Ion	Ratio	Lower	Upper
164	100		
166	128.4	105.0	157.6
129	104.1	83.5	125.3
131	100.5	76.5	114.7



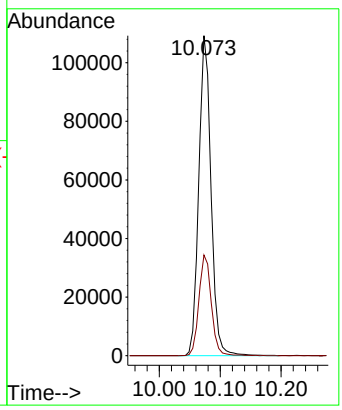


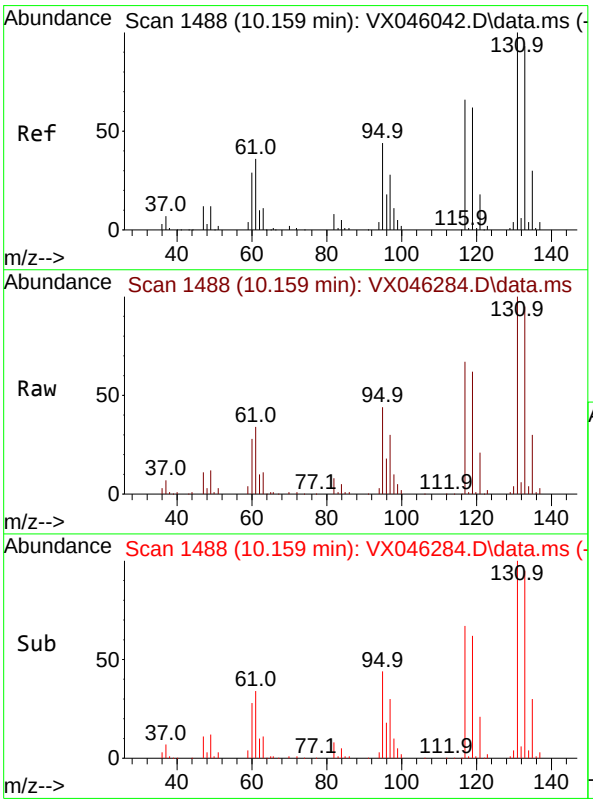
#65
Chlorobenzene
Concen: 49.440 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 151979

Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.4	38.2

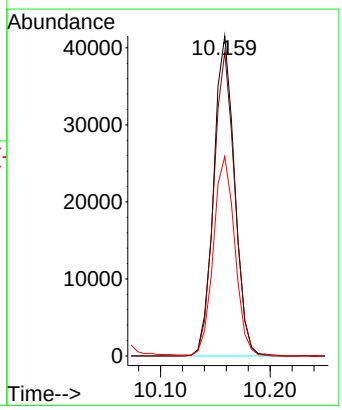


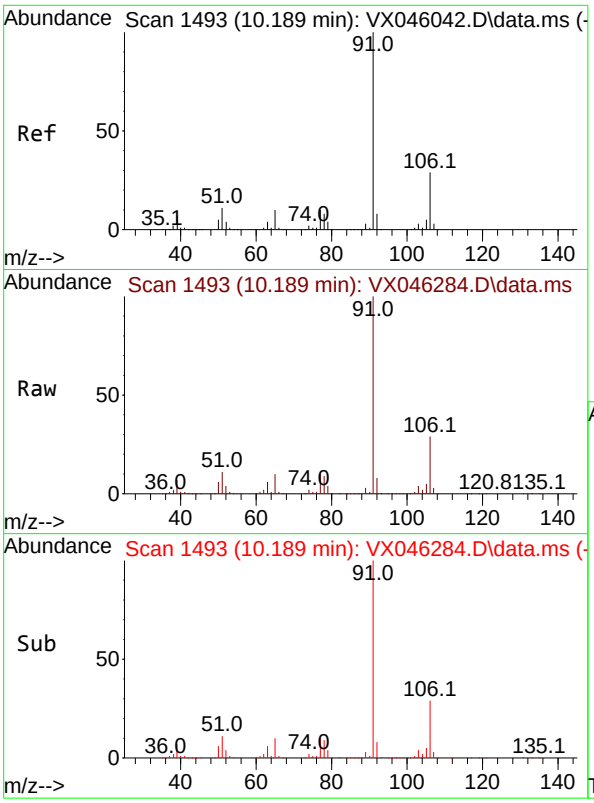


#66
1,1,1,2-Tetrachloroethane
Concen: 52.376 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:131 Resp: 54978

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.3	141.9
119	64.1	31.6	95.0



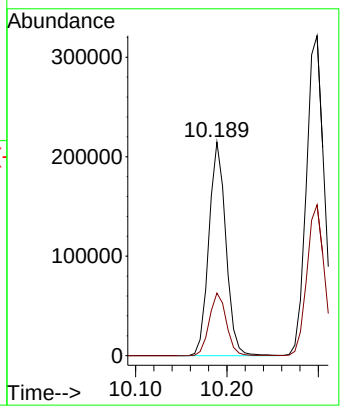


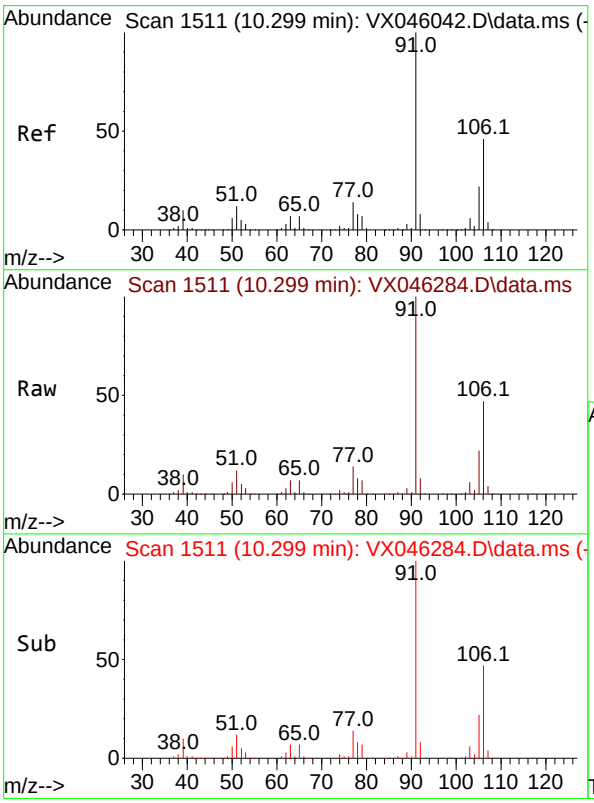
#67
Ethyl Benzene
Concen: 51.011 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 276408

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.4	35.2

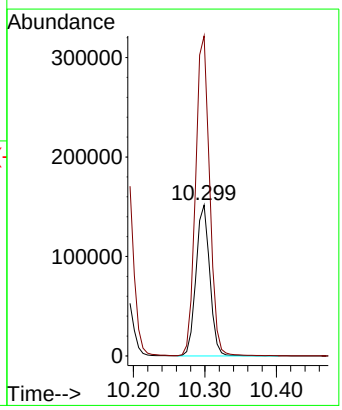


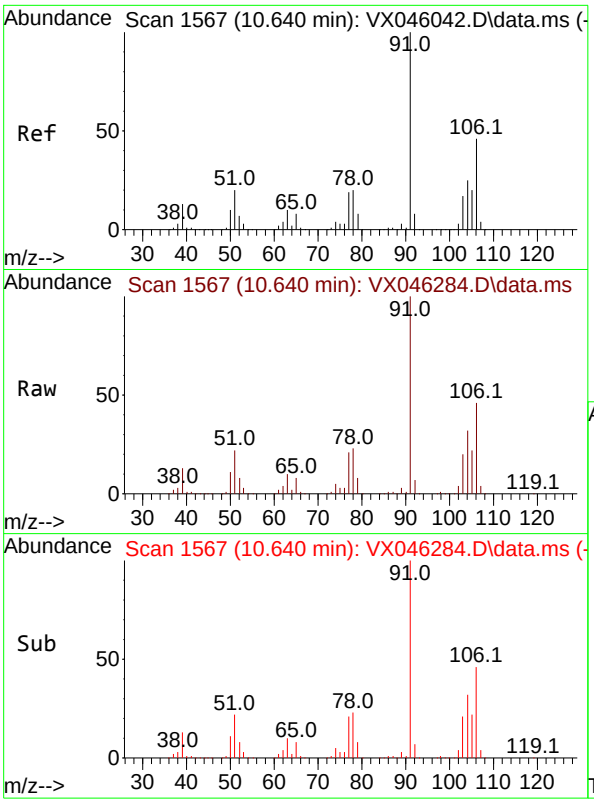


#68
m/p-Xylenes
Concen: 102.233 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:106 Resp: 202607

Ion	Ratio	Lower	Upper
106	100		
91	216.6	171.2	256.8



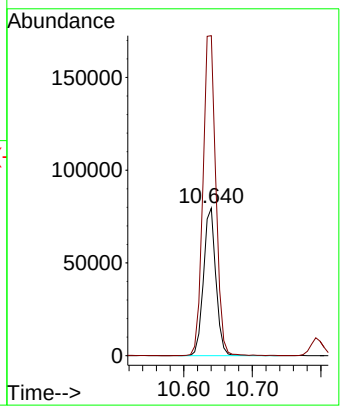


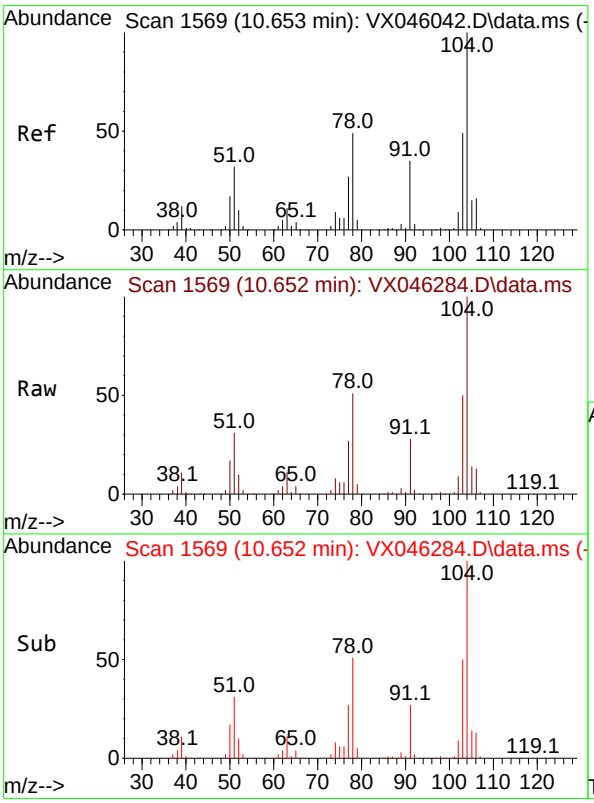
#69
o-Xylene
Concen: 51.746 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 99977

Ion	Ratio	Lower	Upper
106	100		
91	226.4	112.7	338.1

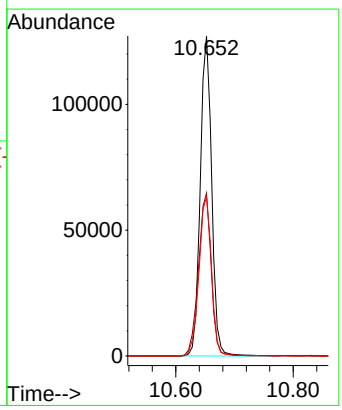


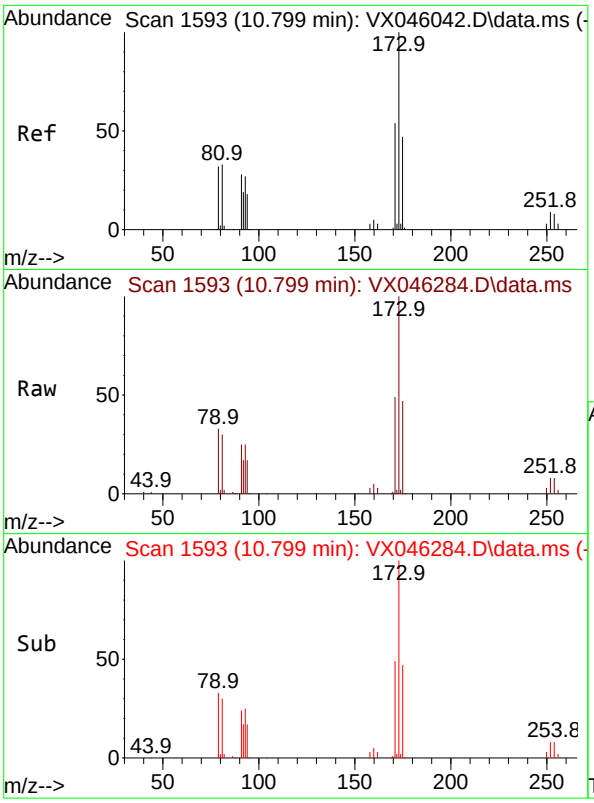


#70
Styrene
Concen: 53.925 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:104 Resp: 170672

Ion	Ratio	Lower	Upper
104	100		
78	56.9	45.7	68.5
103	55.0	43.7	65.5



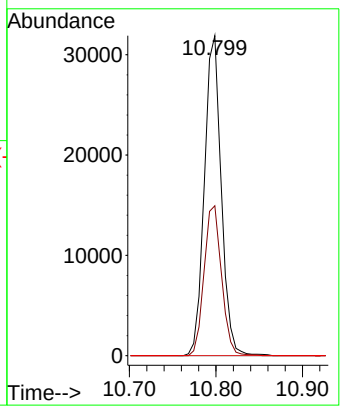


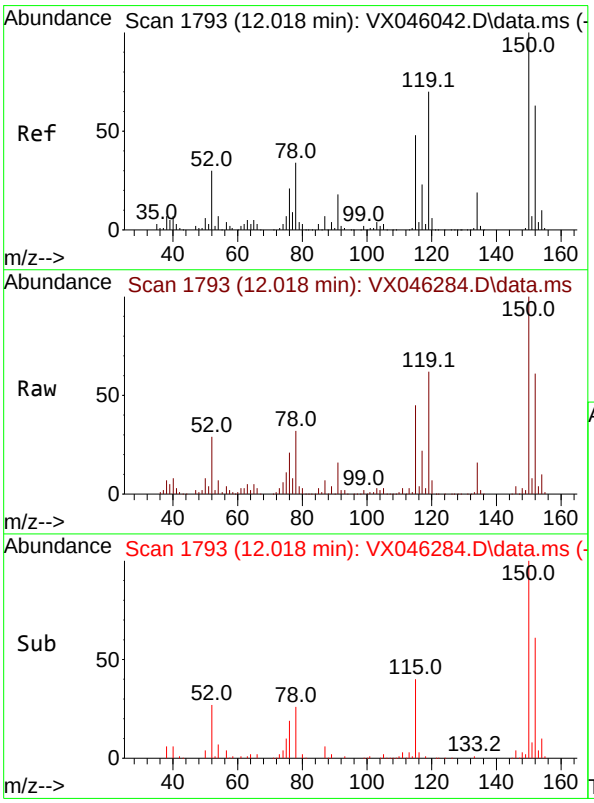
#71
Bromoform
Concen: 54.740 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 43139

Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.4	70.0
254	0.0	0.0	0.0

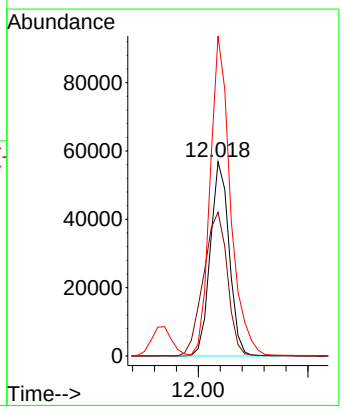


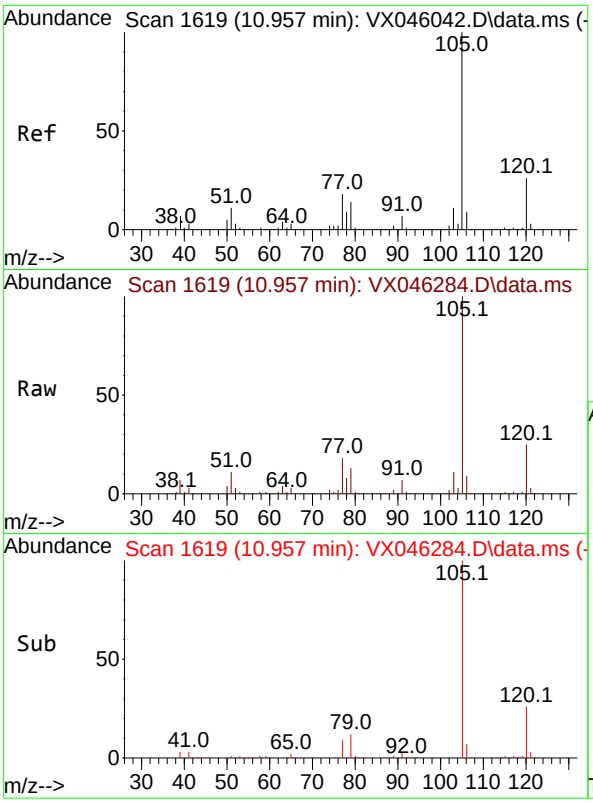


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:152 Resp: 67683

Ion	Ratio	Lower	Upper
152	100		
115	94.2	46.9	140.7
150	177.1	0.0	351.0



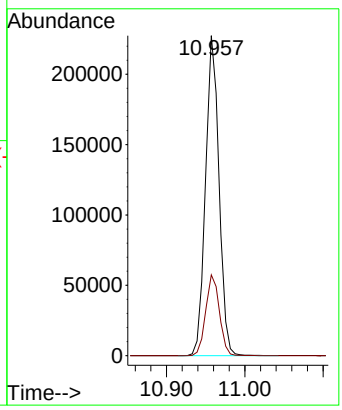


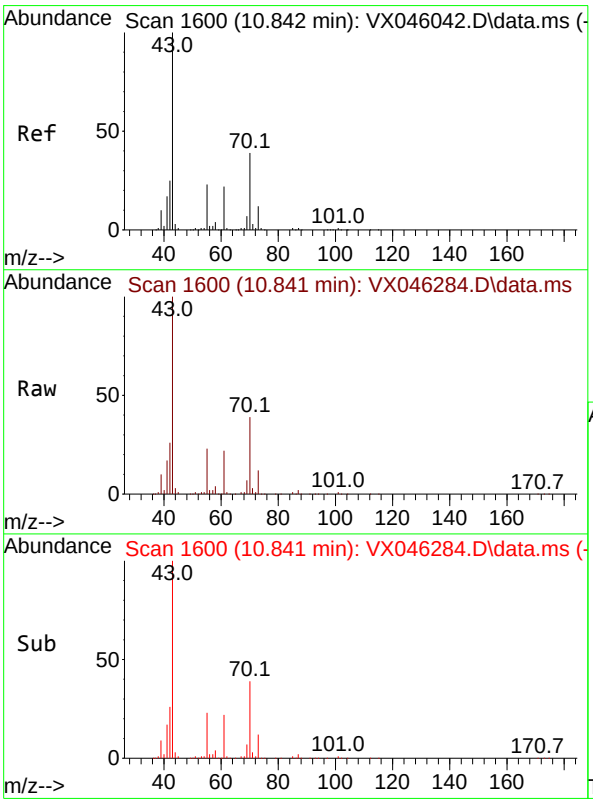
#73
Isopropylbenzene
Concen: 51.463 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 271177

Ion	Ratio	Lower	Upper
105	100		
120	25.6	12.8	38.4

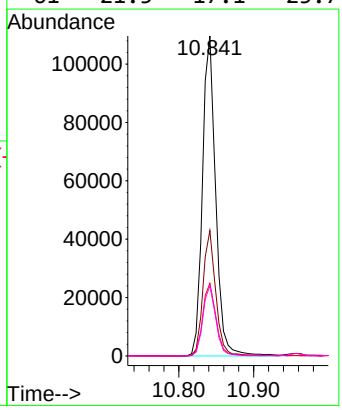


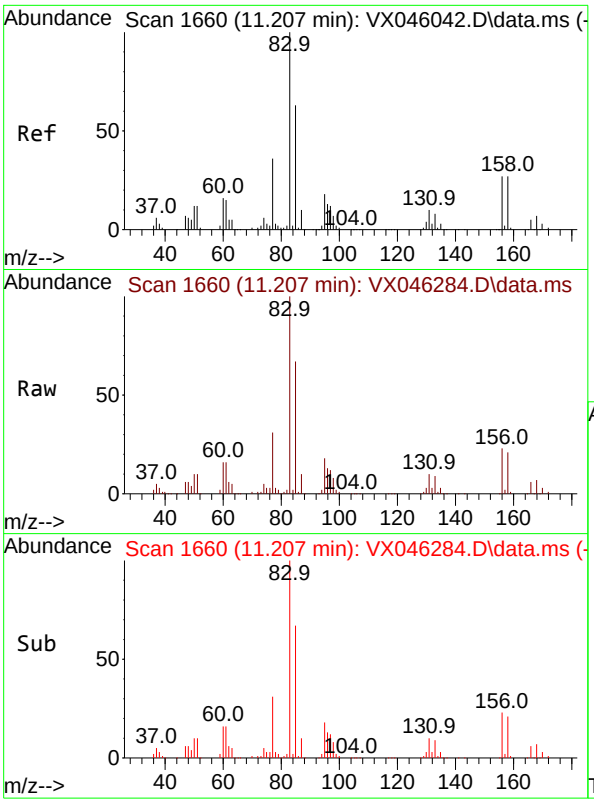


#74
N-amyl acetate
Concen: 51.743 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 43 Resp: 134729

Ion	Ratio	Lower	Upper
43	100		
70	37.7	30.9	46.3
55	23.3	18.7	28.1
61	21.5	17.1	25.7



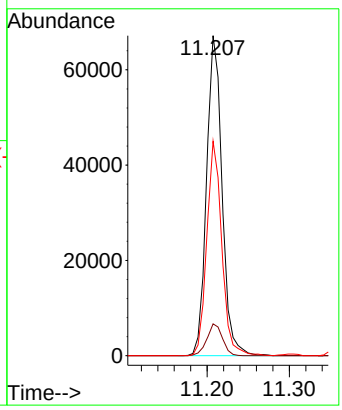


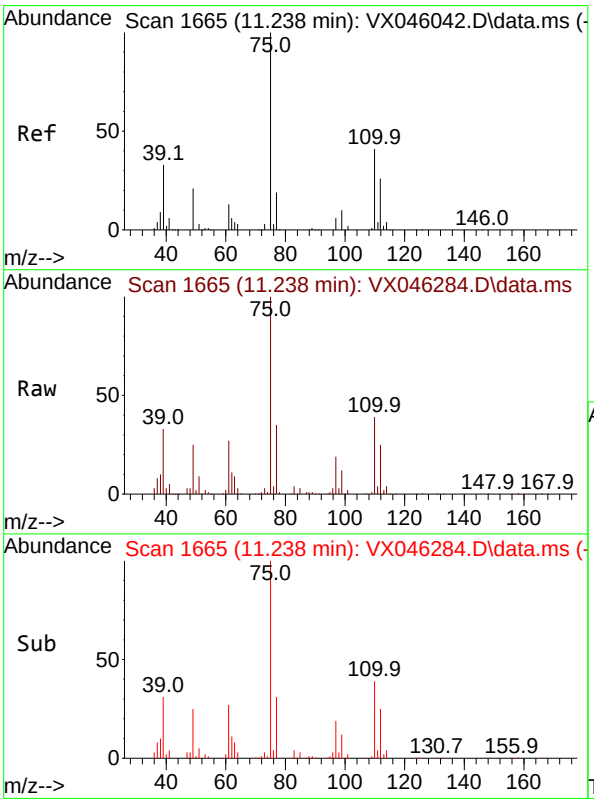
#75
1,1,2,2-Tetrachloroethane
Concen: 47.625 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 87943

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	64.9	31.9	95.7

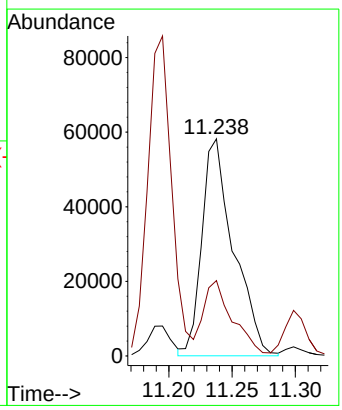


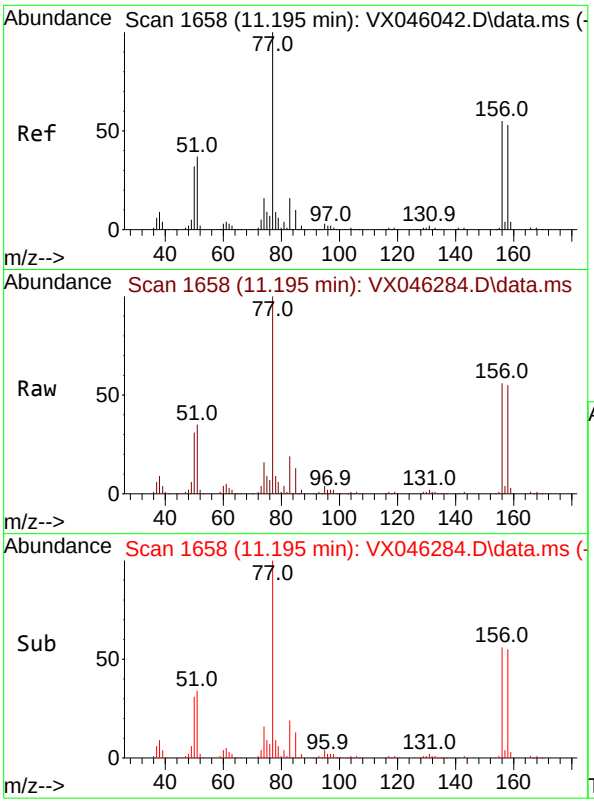


#76
1,2,3-Trichloropropane
Concen: 62.381 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 75 Resp: 101629

Ion	Ratio	Lower	Upper
75	100		
77	32.0	20.5	61.5



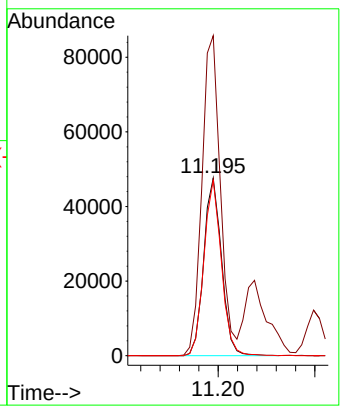


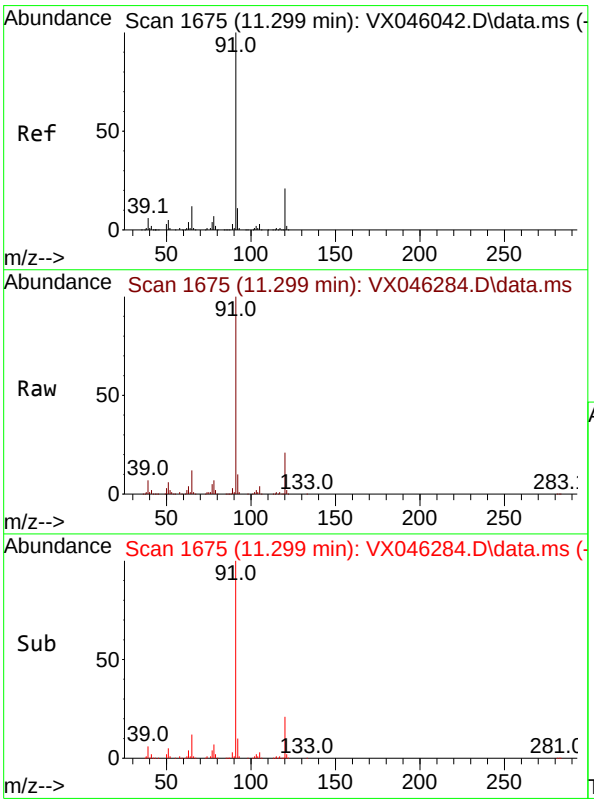
#77
Bromobenzene
Concen: 49.799 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 60921

Ion	Ratio	Lower	Upper
156	100		
77	186.6	92.8	278.3
158	97.2	48.8	146.3

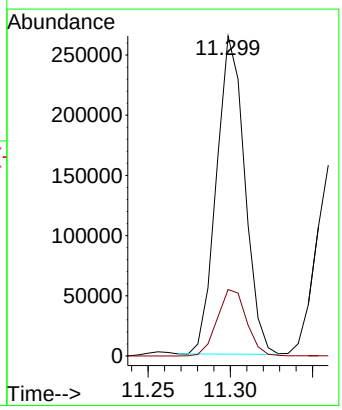


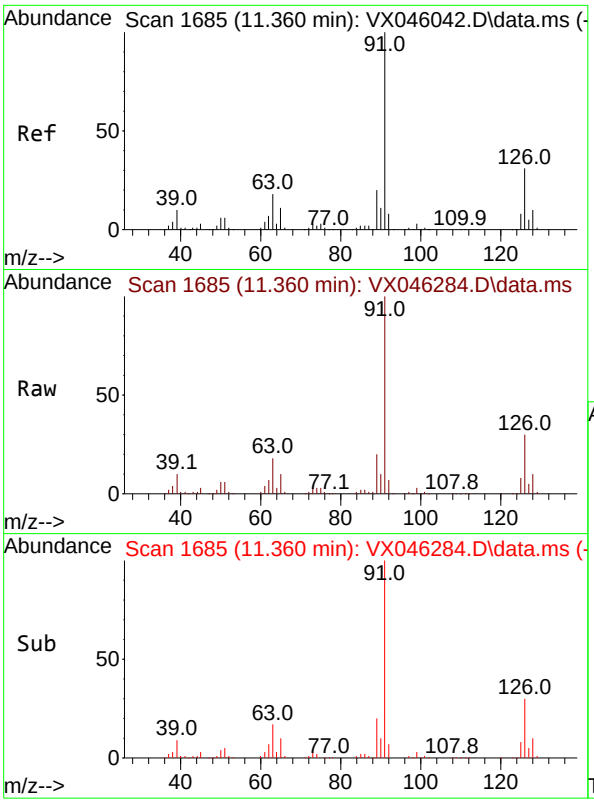


#78
n-propylbenzene
Concen: 51.595 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 91 Resp: 316117

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4



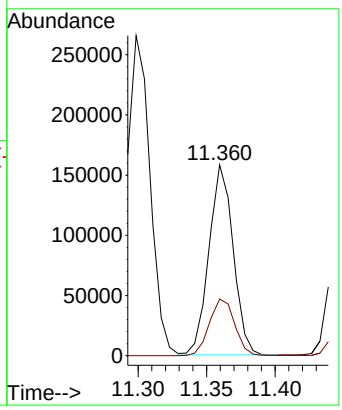


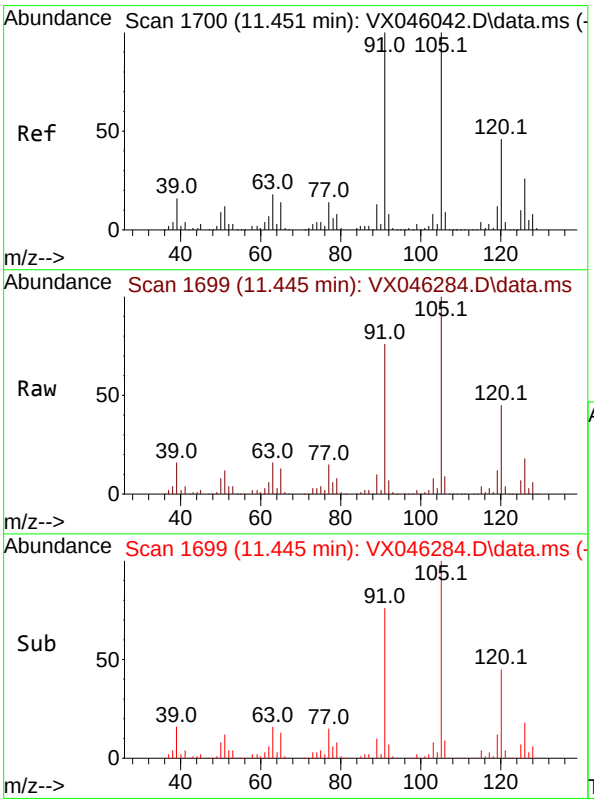
#79
2-Chlorotoluene
Concen: 49.086 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 193981

Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.7

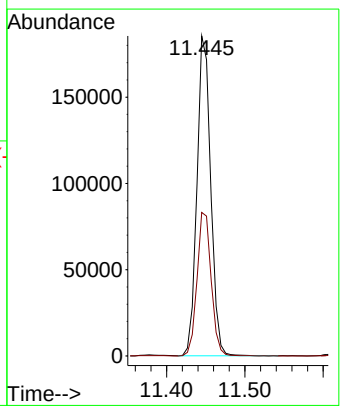


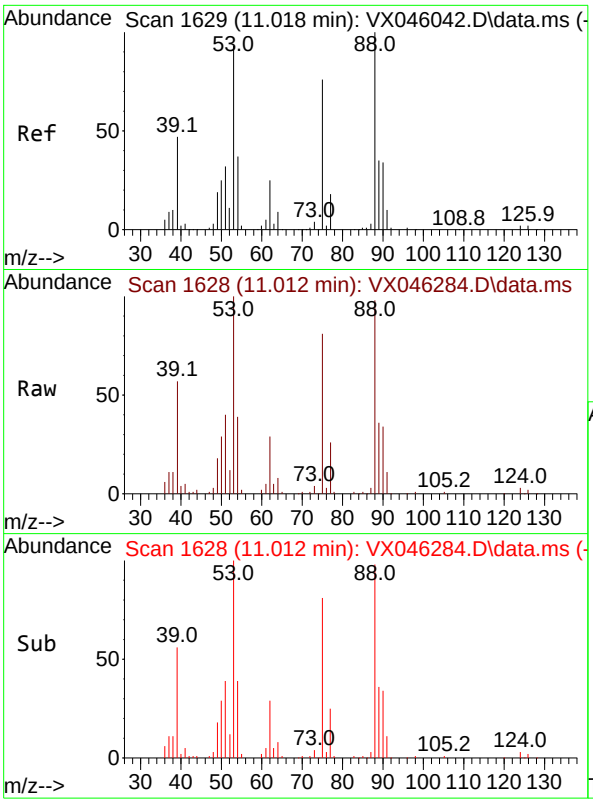


#80
1,3,5-Trimethylbenzene
Concen: 51.421 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:105 Resp: 226364

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2



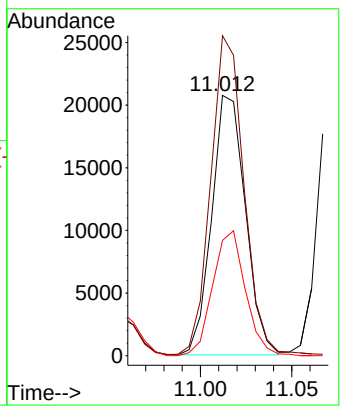


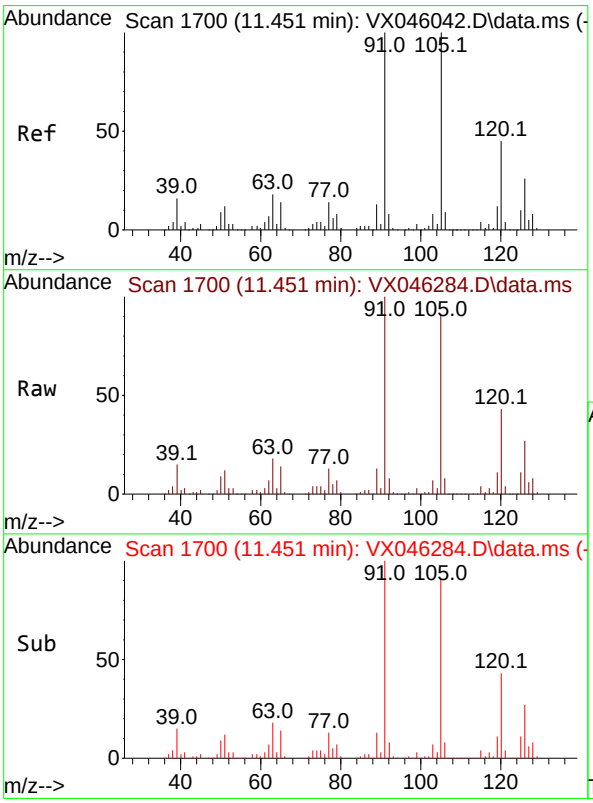
#81
trans-1,4-Dichloro-2-butene
Concen: 53.175 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 26609

Ion	Ratio	Lower	Upper
75	100		
53	122.6	100.5	150.7
89	46.7	37.0	55.6

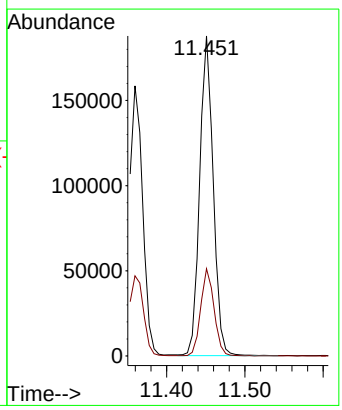


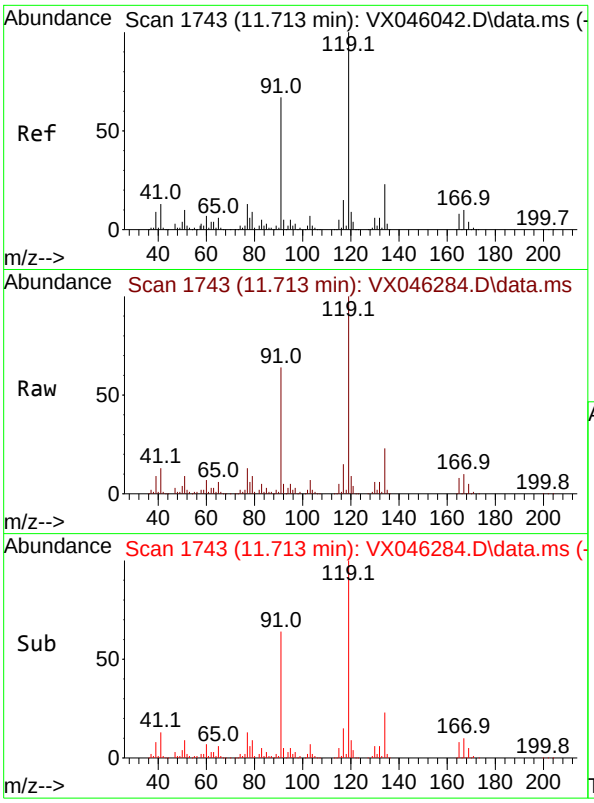


#82
4-Chlorotoluene
Concen: 51.369 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 91 Resp: 225123

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.8



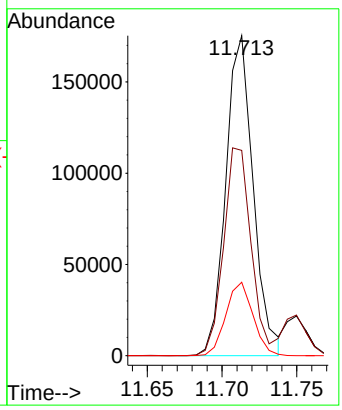


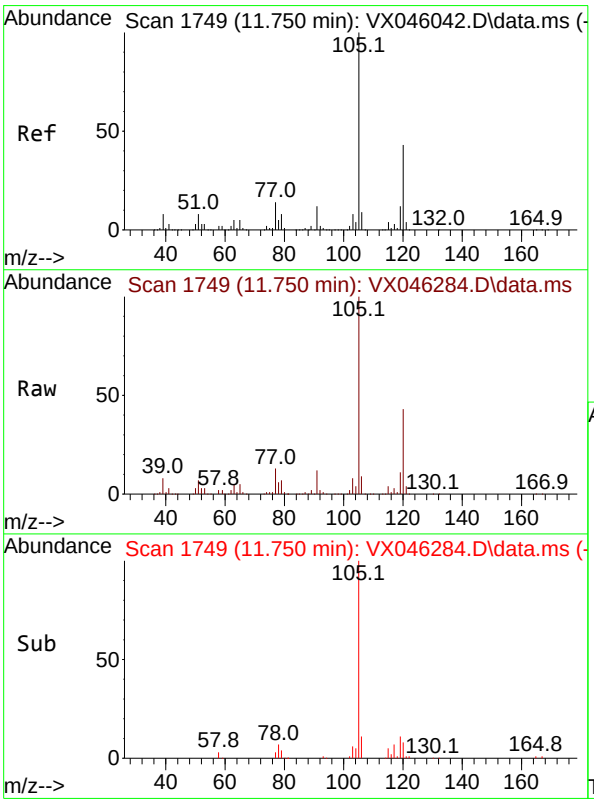
#83
tert-Butylbenzene
Concen: 50.408 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 223522

Ion	Ratio	Lower	Upper
119	100		
91	64.9	32.9	98.7
134	22.7	11.4	34.1

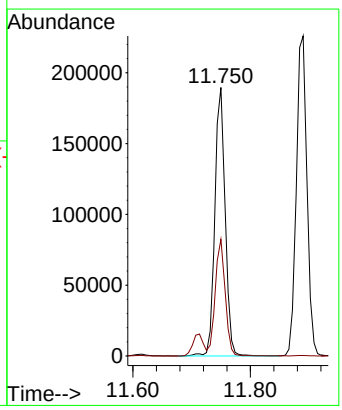


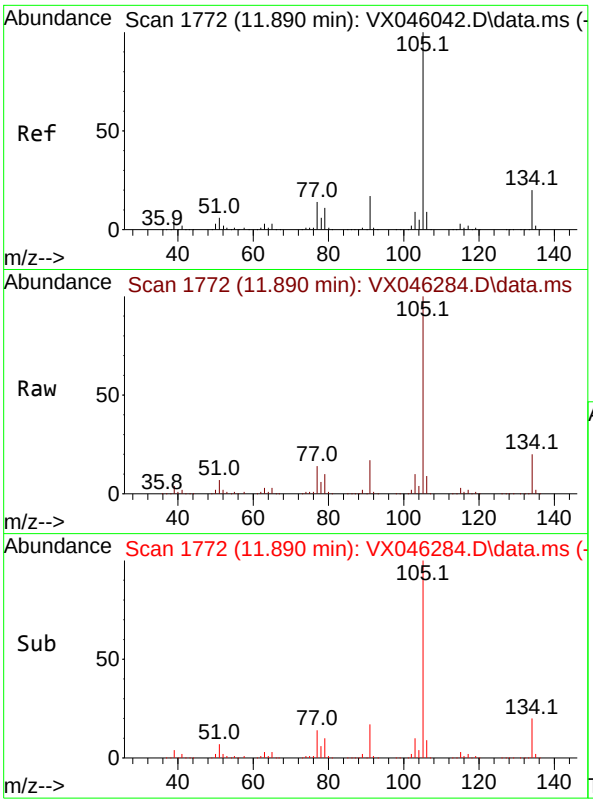


#84
1,2,4-Trimethylbenzene
Concen: 51.885 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:105 Resp: 231302

Ion	Ratio	Lower	Upper
105	100		
120	42.1	21.2	63.6



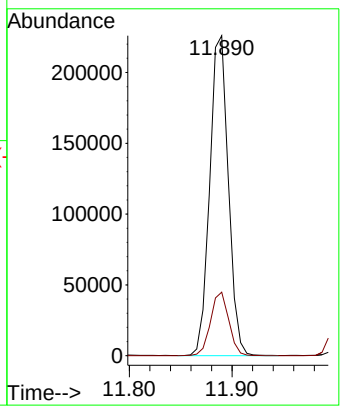


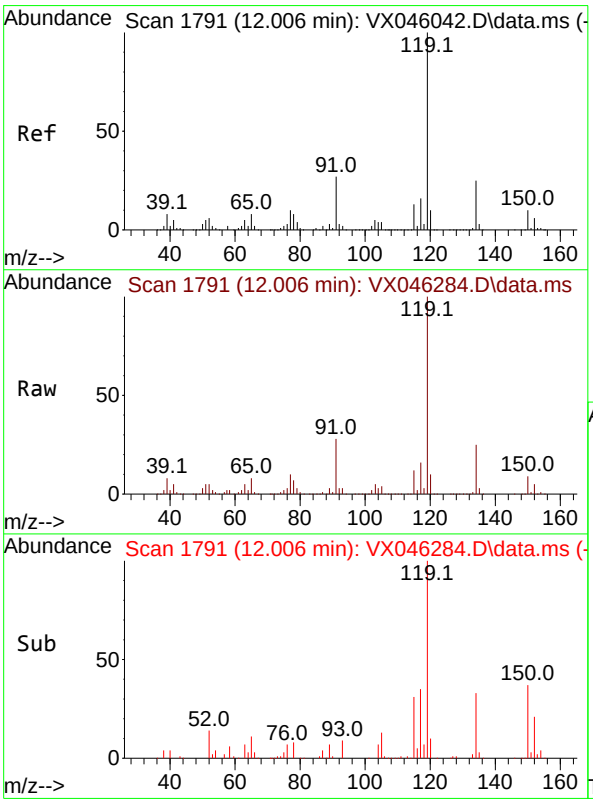
#85
sec-Butylbenzene
Concen: 52.129 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 283817

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.7	29.1

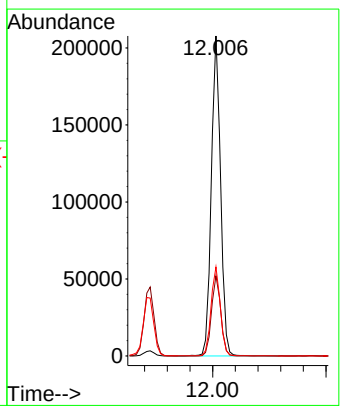


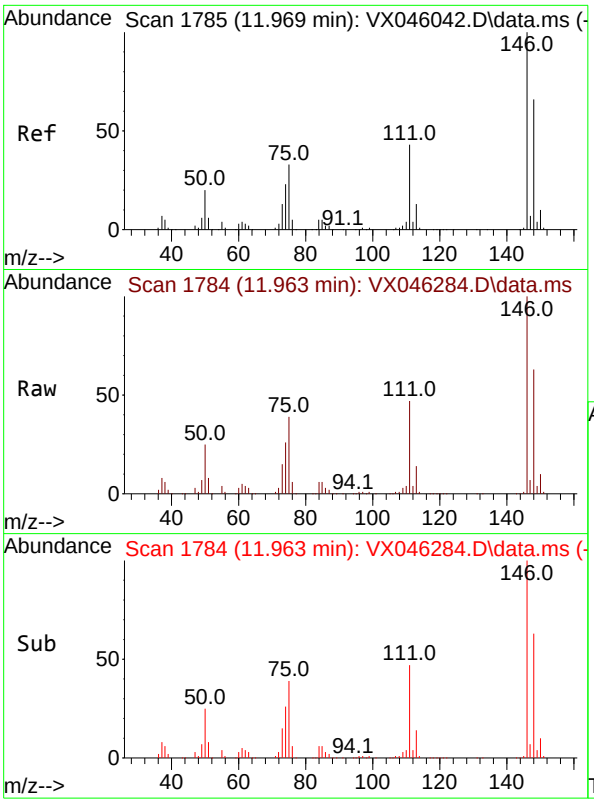


#86
p-Isopropyltoluene
Concen: 52.222 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:119 Resp: 234688

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.5	37.5
91	27.8	13.8	41.4



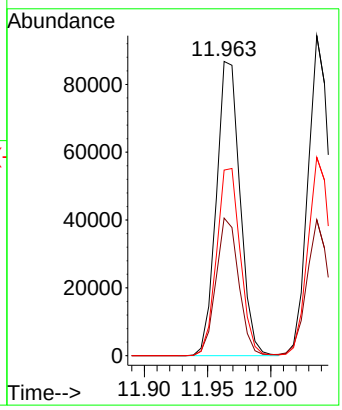


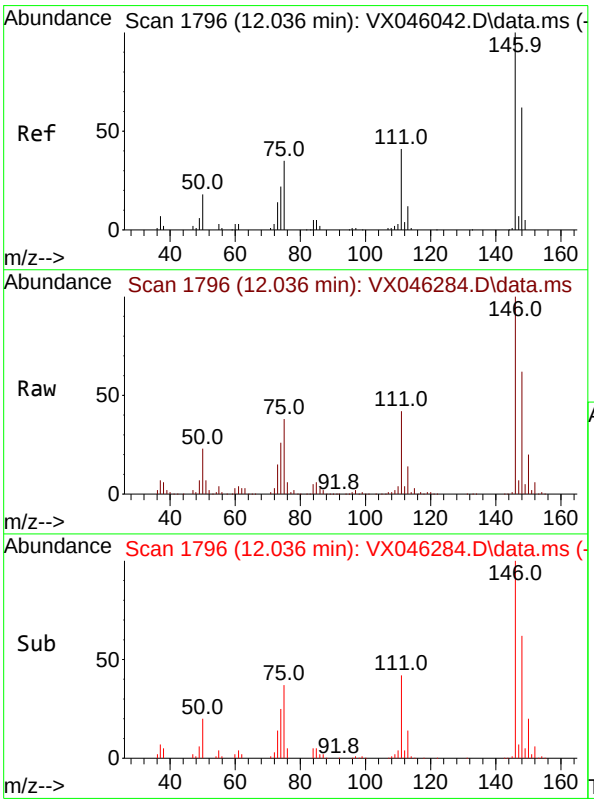
#87
1,3-Dichlorobenzene
Concen: 50.537 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 112832

Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.1	66.3
148	63.8	32.1	96.5

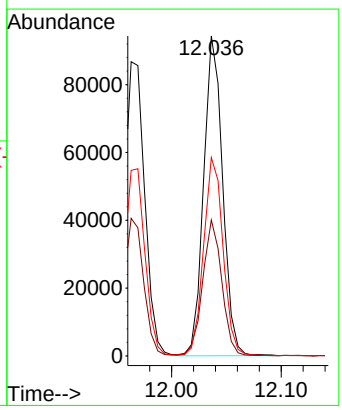


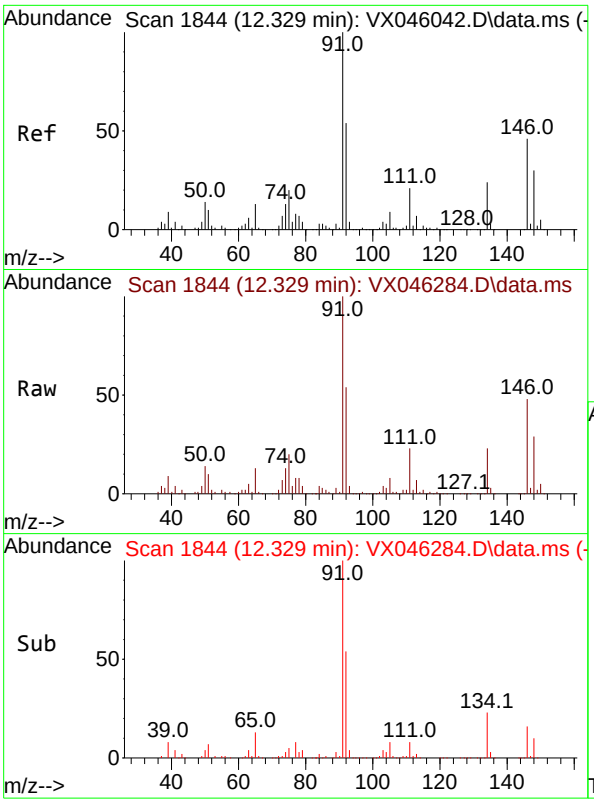


#88
1,4-Dichlorobenzene
Concen: 49.713 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:146 Resp: 113352

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	63.9
148	63.8	31.9	95.5



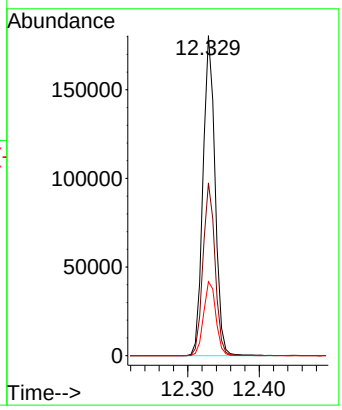


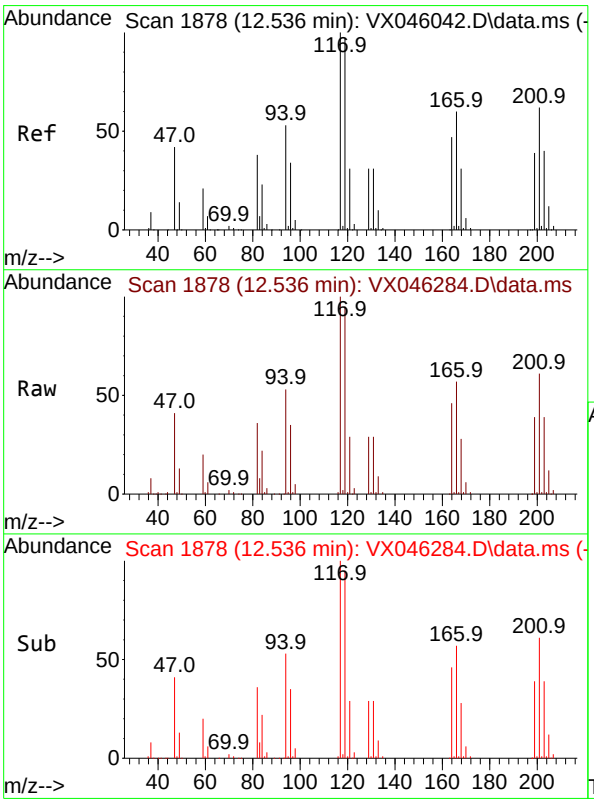
#89
n-Butylbenzene
Concen: 53.818 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 212152

Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.7
134	23.7	11.8	35.3

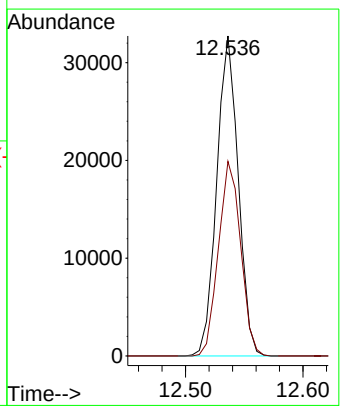


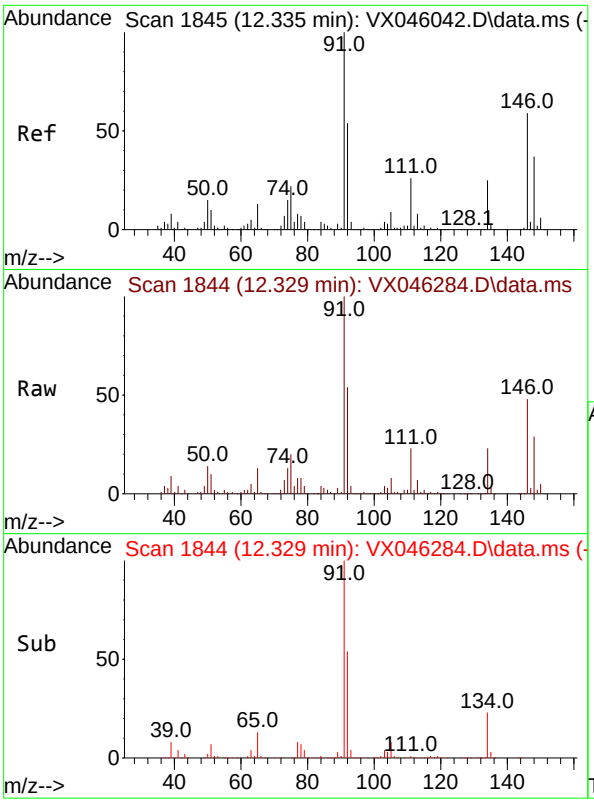


#90
Hexachloroethane
Concen: 52.527 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:117 Resp: 41588

Ion	Ratio	Lower	Upper
117	100		
201	63.0	31.6	94.7



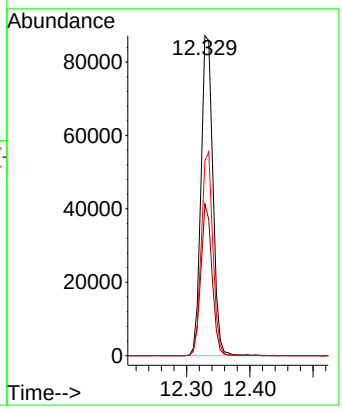


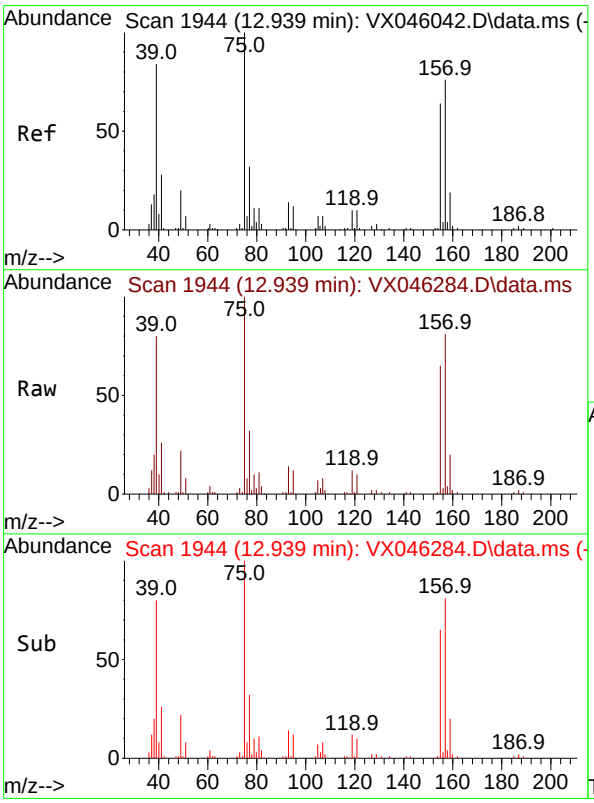
#91
1,2-Dichlorobenzene
Concen: 51.087 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 114456

Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.3
148	62.2	31.6	94.8

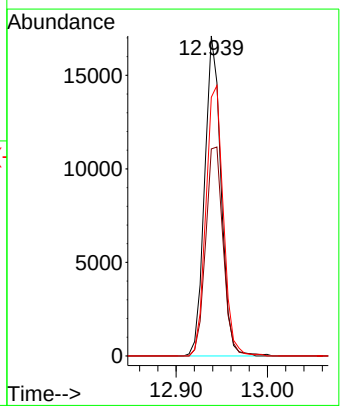


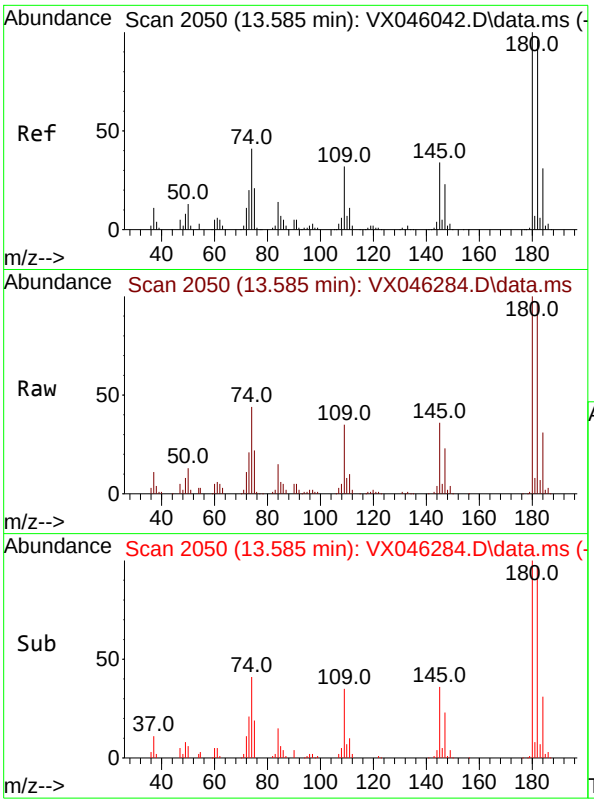


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.001 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion: 75 Resp: 21272

Ion	Ratio	Lower	Upper
75	100		
155	69.5	34.9	104.8
157	89.3	43.8	131.4



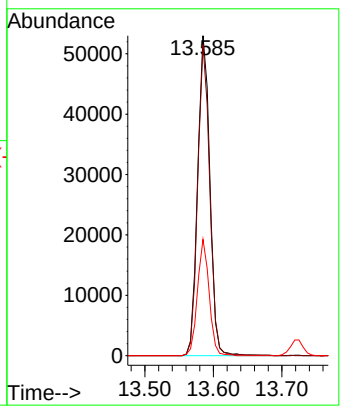


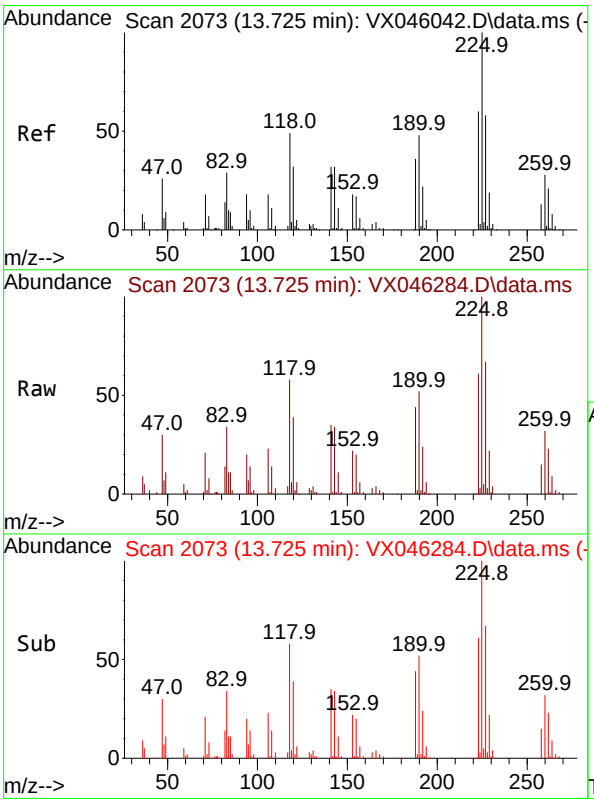
#93
1,2,4-Trichlorobenzene
Concen: 51.375 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 66110

Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.8
145	34.6	17.1	51.2

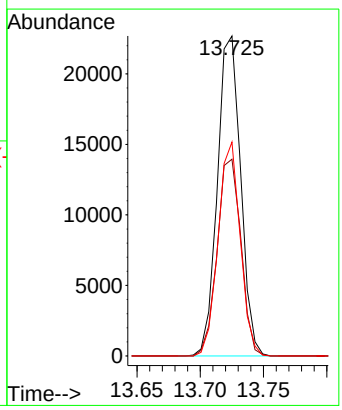


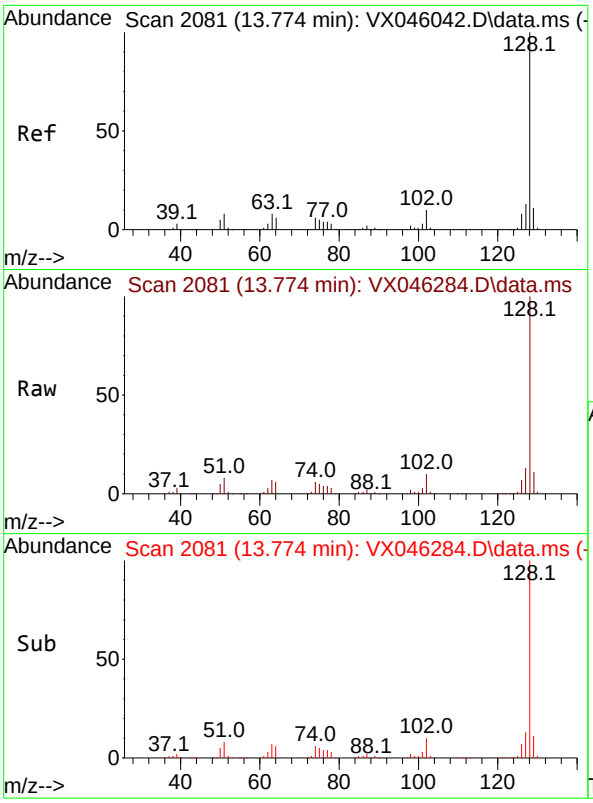


#94
Hexachlorobutadiene
Concen: 51.510 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:225 Resp: 28949

Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.8	92.4
227	63.5	30.9	92.7



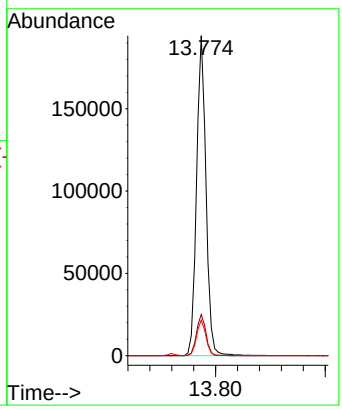


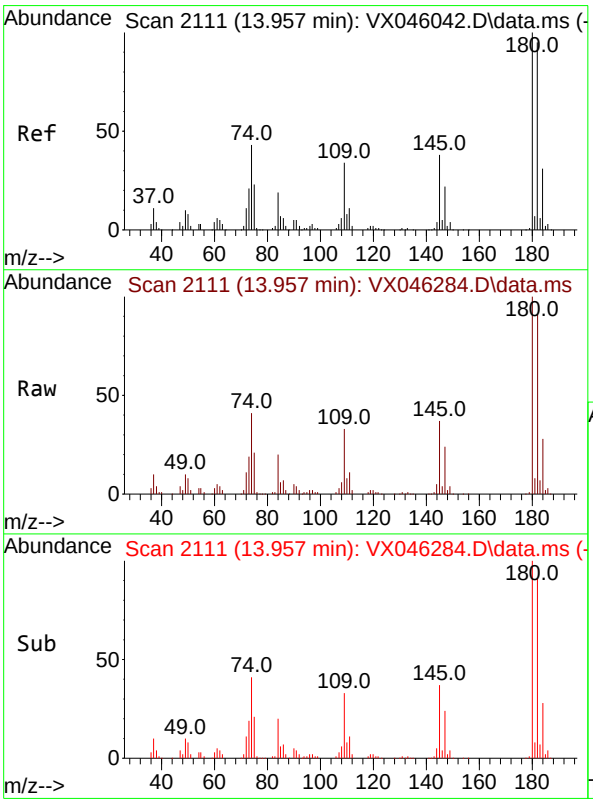
#95
Naphthalene
Concen: 49.502 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 233630

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0

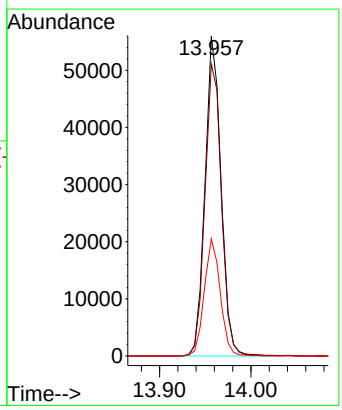




#96
1,2,3-Trichlorobenzene
Concen: 51.272 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046284.D
Acq: 21 May 2025 09:55

Tgt Ion:180 Resp: 68077

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.8	143.3
145	36.4	18.1	54.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046287.D
Acq On : 21 May 2025 11:09
Operator : JC/MD
Sample : VX0521WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Quant Time: May 22 01:45:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	83102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146697	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	130479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83120	53.650	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.300%			
35) Dibromofluoromethane	5.379	113	57372	54.310	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.620%			
50) Toluene-d8	8.647	98	191524	52.383	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.760%			
62) 4-Bromofluorobenzene	11.079	95	77180	55.031	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	25585	20.115	ug/l	99
3) Chloromethane	1.307	50	24302	19.702	ug/l	96
4) Vinyl Chloride	1.374	62	21796	18.987	ug/l	100
5) Bromomethane	1.593	94	10421	19.572	ug/l	100
6) Chloroethane	1.666	64	12767	20.833	ug/l	97
7) Trichlorofluoromethane	1.874	101	34095	20.096	ug/l	98
8) Diethyl Ether	2.136	74	10749	18.611	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.319	101	20578	19.599	ug/l	97
10) Methyl Iodide	2.441	142	22245	17.906	ug/l	98
11) Tert butyl alcohol	2.983	59	23847	109.655	ug/l	97
12) 1,1-Dichloroethene	2.307	96	18532	18.807	ug/l	93
13) Acrolein	2.239	56	25808	104.204	ug/l	99
14) Allyl chloride	2.660	41	38072	20.216	ug/l	98
15) Acrylonitrile	3.062	53	66609	107.114	ug/l	99
16) Acetone	2.386	43	63974	102.986	ug/l	100
17) Carbon Disulfide	2.502	76	36554	15.647	ug/l	99
18) Methyl Acetate	2.703	43	35517	24.639	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	71064	20.570	ug/l	99
20) Methylene Chloride	2.782	84	23422	19.676	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	19275	19.451	ug/l	99
22) Diisopropyl ether	3.764	45	76439	21.013	ug/l	97
23) Vinyl Acetate	3.721	43	322692	100.856	ug/l	99
24) 1,1-Dichloroethane	3.605	63	42066	20.762	ug/l	99
25) 2-Butanone	4.562	43	97290	107.880	ug/l	99
26) 2,2-Dichloropropane	4.471	77	31778	20.038	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	23744	19.904	ug/l	97
28) Bromochloromethane	4.891	49	22159	22.721	ug/l	99
29) Tetrahydrofuran	5.007	42	60349	106.791	ug/l	98
30) Chloroform	5.093	83	44097	20.880	ug/l	99
31) Cyclohexane	5.458	56	34669	18.777	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	37552	20.513	ug/l	100
36) 1,1-Dichloropropene	5.690	75	27419	19.318	ug/l	99
37) Ethyl Acetate	4.721	43	34479	19.662	ug/l	99
38) Carbon Tetrachloride	5.666	117	32466	20.358	ug/l	97
39) Methylcyclohexane	7.373	83	33218	18.179	ug/l	93
40) Benzene	6.031	78	84417	20.305	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046287.D
Acq On : 21 May 2025 11:09
Operator : JC/MD
Sample : VX0521WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Quant Time: May 22 01:45:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	20114	21.927	ug/l		98
42) 1,2-Dichloroethane	6.086	62	37731	21.028	ug/l		100
43) Isopropyl Acetate	6.342	43	55970	20.922	ug/l		99
44) Trichloroethene	7.123	130	20154	20.142	ug/l		100
45) 1,2-Dichloropropane	7.428	63	21399	20.700	ug/l		97
46) Dibromomethane	7.580	93	16727	20.515	ug/l		99
47) Bromodichloromethane	7.818	83	33537	20.884	ug/l		94
48) Methyl methacrylate	7.696	41	29912	21.893	ug/l		96
49) 1,4-Dioxane	7.665	88	11979	461.769	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	197911	111.451	ug/l		97
52) Toluene	8.714	92	52243	20.494	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	28454	19.935	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	32181	20.399	ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	21758	21.646	ug/l		98
56) Ethyl methacrylate	9.116	69	34485	21.526	ug/l		98
57) 1,3-Dichloropropane	9.305	76	37670	20.867	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	90048	110.253	ug/l		98
59) 2-Hexanone	9.427	43	146892	111.809	ug/l		98
60) Dibromochloromethane	9.519	129	23698	21.467	ug/l		98
61) 1,2-Dibromoethane	9.610	107	21985	21.044	ug/l		97
64) Tetrachloroethene	9.269	164	18888	20.459	ug/l		92
65) Chlorobenzene	10.079	112	56582	19.813	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	19817	20.321	ug/l		97
67) Ethyl Benzene	10.189	91	101041	20.071	ug/l		99
68) m/p-Xylenes	10.299	106	74216	40.309	ug/l		96
69) o-Xylene	10.640	106	37483	20.882	ug/l		99
70) Styrene	10.653	104	62320	21.194	ug/l		99
71) Bromoform	10.799	173	14595	19.934	ug/l	#	96
73) Isopropylbenzene	10.963	105	99407	20.380	ug/l		100
74) N-amyl acetate	10.842	43	48670	20.193	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	34915	20.427	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	36708	24.342	ug/l		91
77) Bromobenzene	11.195	156	22971	20.285	ug/l		99
78) n-propylbenzene	11.299	91	115726	20.405	ug/l		99
79) 2-Chlorotoluene	11.360	91	74331	20.320	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	85859	21.070	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8934	19.287	ug/l		97
82) 4-Chlorotoluene	11.451	91	83363	20.550	ug/l		99
83) tert-Butylbenzene	11.713	119	82945	20.208	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	85525	20.726	ug/l		99
85) sec-Butylbenzene	11.890	105	102551	20.349	ug/l		99
86) p-Isopropyltoluene	12.006	119	85338	20.514	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	42301	20.468	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	41784	19.797	ug/l		98
89) n-Butylbenzene	12.329	91	71724	19.656	ug/l		99
90) Hexachloroethane	12.536	117	14306	19.520	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	42574	20.529	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7860	20.757	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	22376	18.785	ug/l		99
94) Hexachlorobutadiene	13.725	225	10458	20.103	ug/l		97
95) Naphthalene	13.774	128	83835	19.190	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	24092	19.602	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046287.D
Acq On : 21 May 2025 11:09
Operator : JC/MD
Sample : VX0521WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Quant Time: May 22 01:45:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

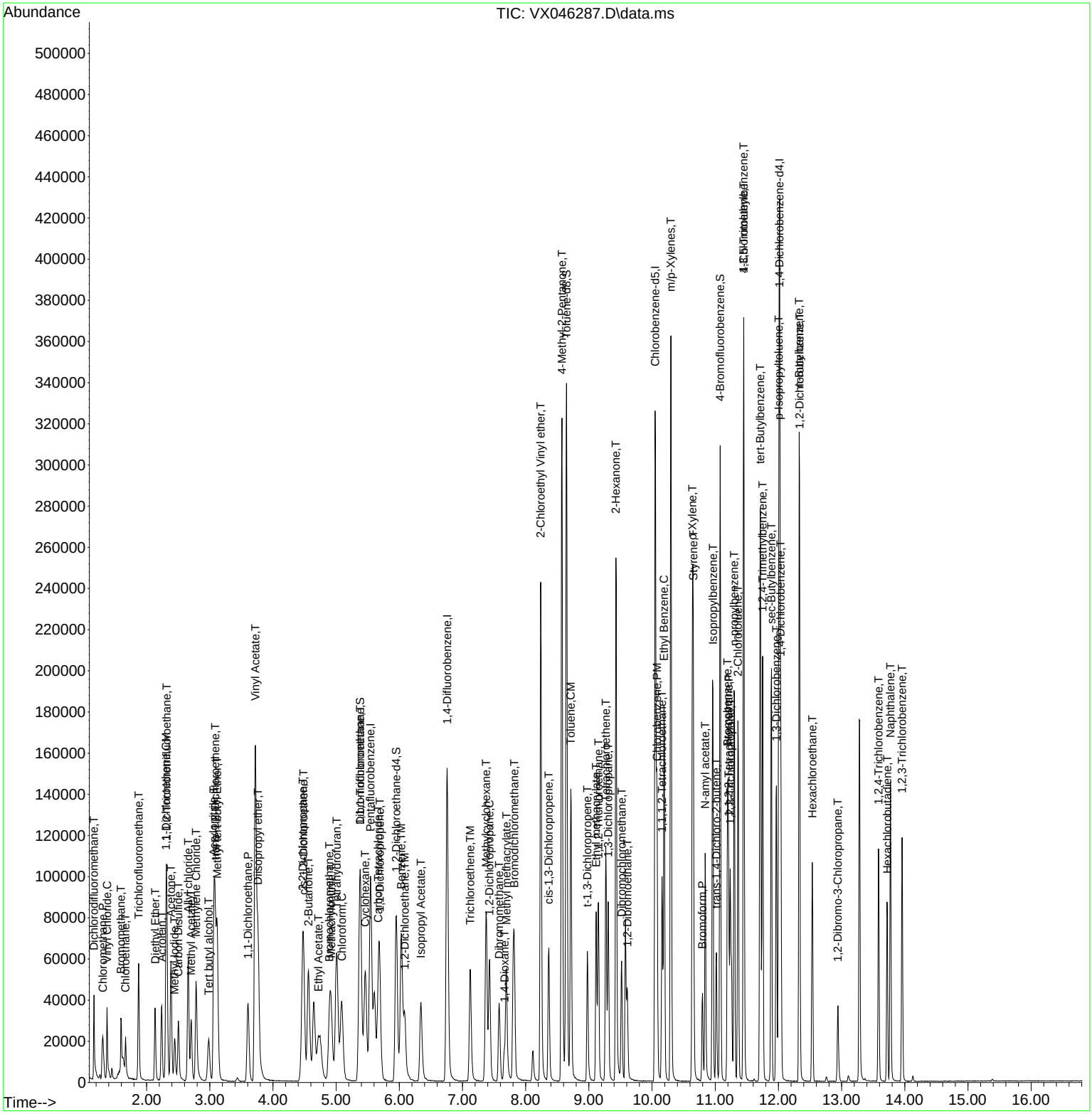
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

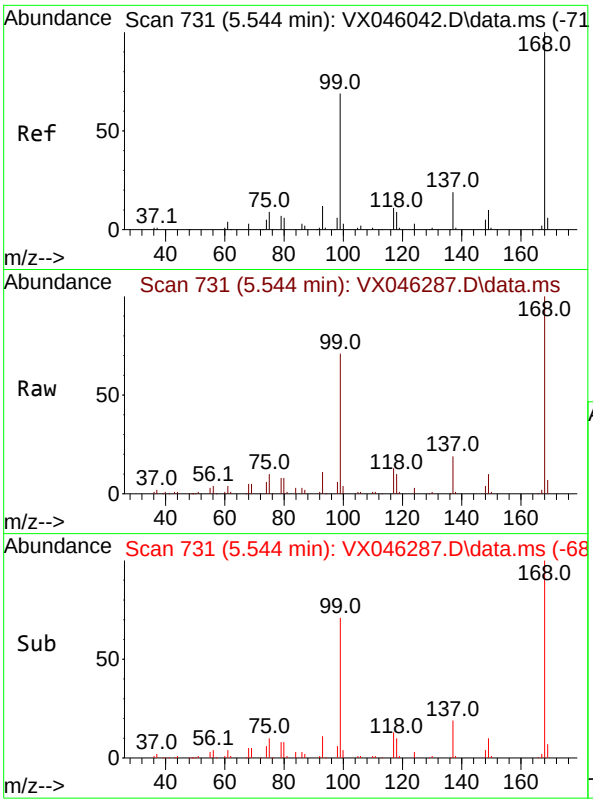
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046287.D
Acq On : 21 May 2025 11:09
Operator : JC/MD
Sample : VX0521WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Quant Time: May 22 01:45:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



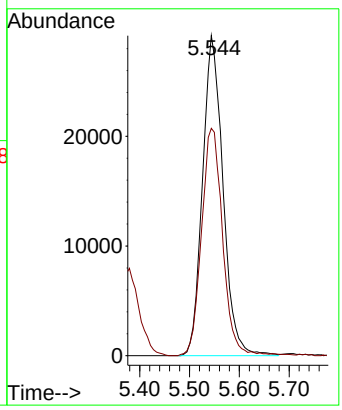


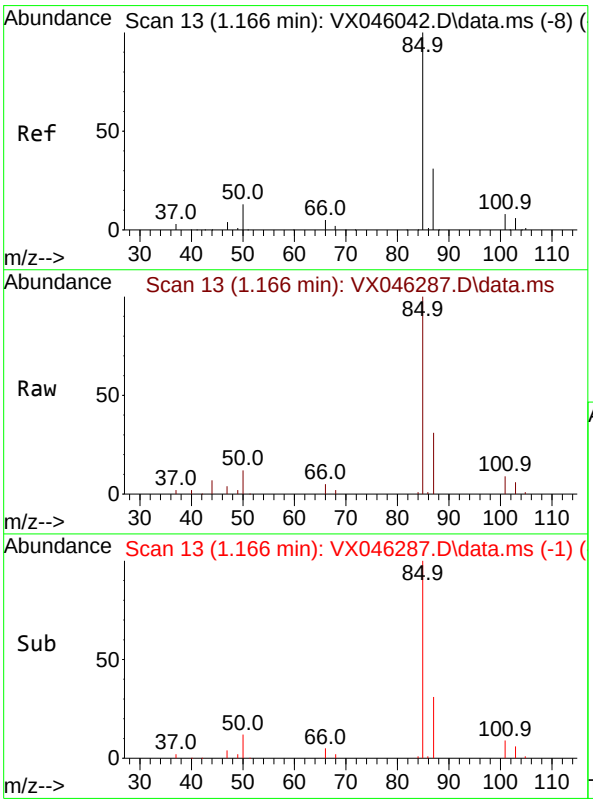
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:168 Resp: 83102

Ion	Ratio	Lower	Upper
168	100		
99	71.1	54.9	82.3

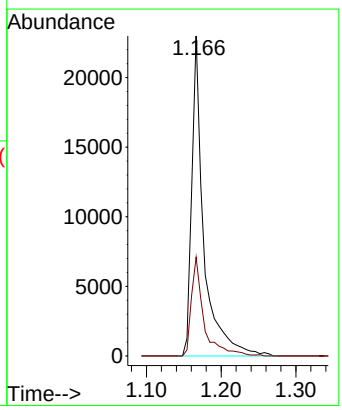


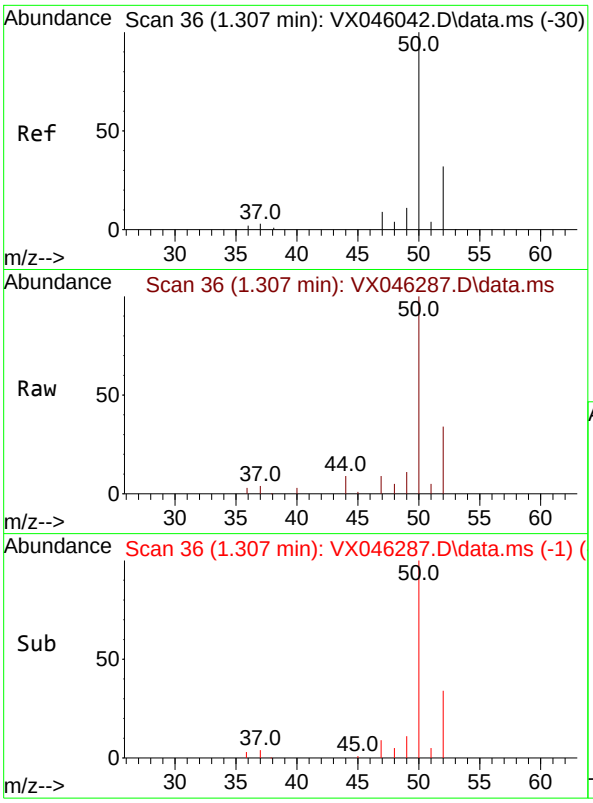


#2
Dichlorodifluoromethane
Concen: 20.115 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 85 Resp: 25585

Ion	Ratio	Lower	Upper
85	100		
87	30.9	15.7	47.1



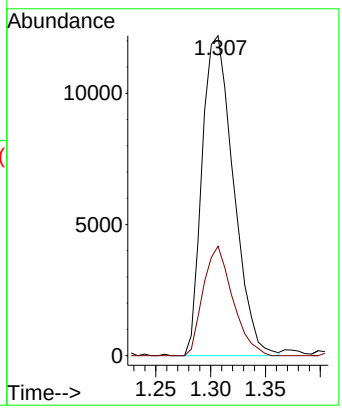


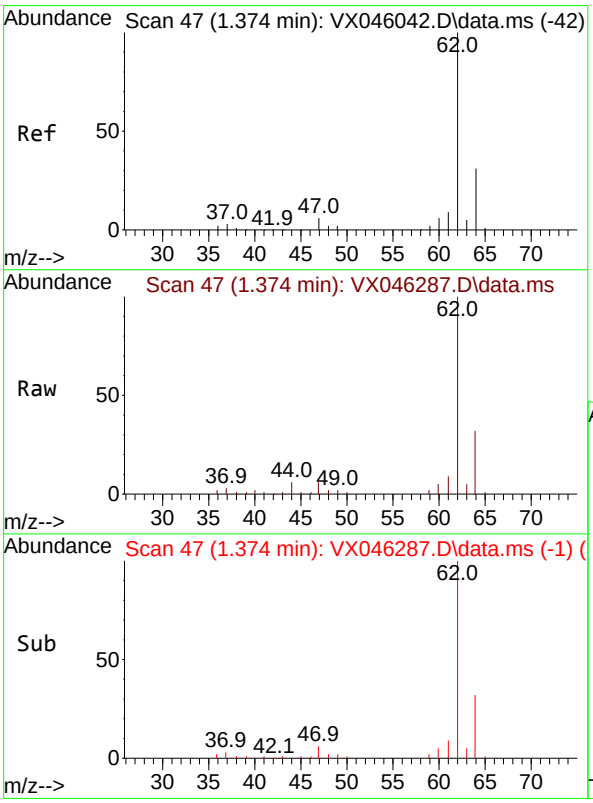
#3
Chloromethane
Concen: 19.702 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 50 Resp: 24302

Ion	Ratio	Lower	Upper
50	100		
52	34.2	25.4	38.2

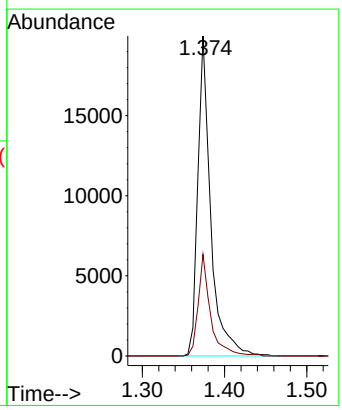


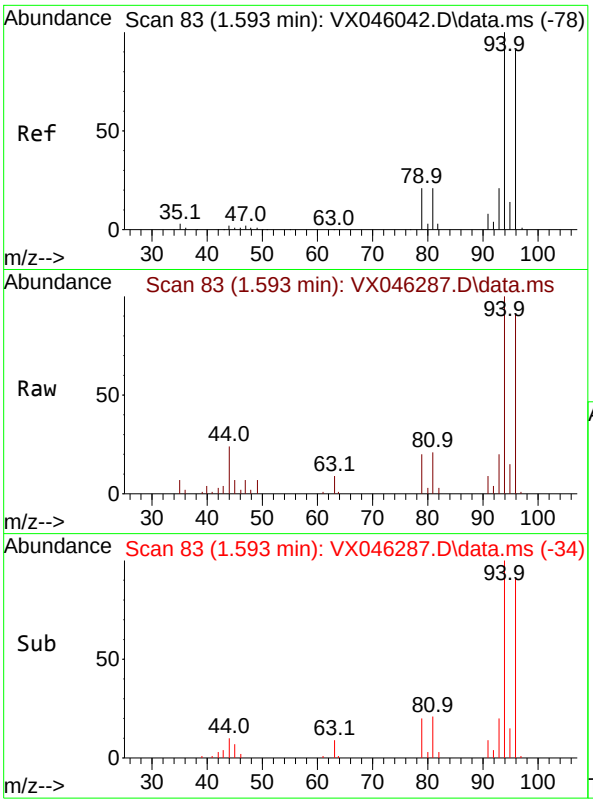


#4
Vinyl Chloride
Concen: 18.987 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 62 Resp: 21796

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.2	37.8



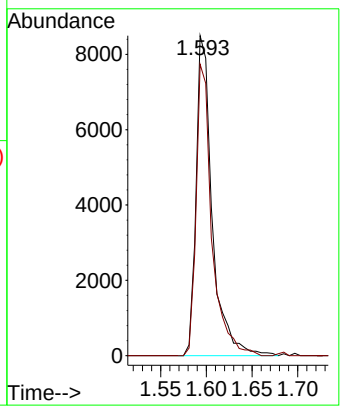


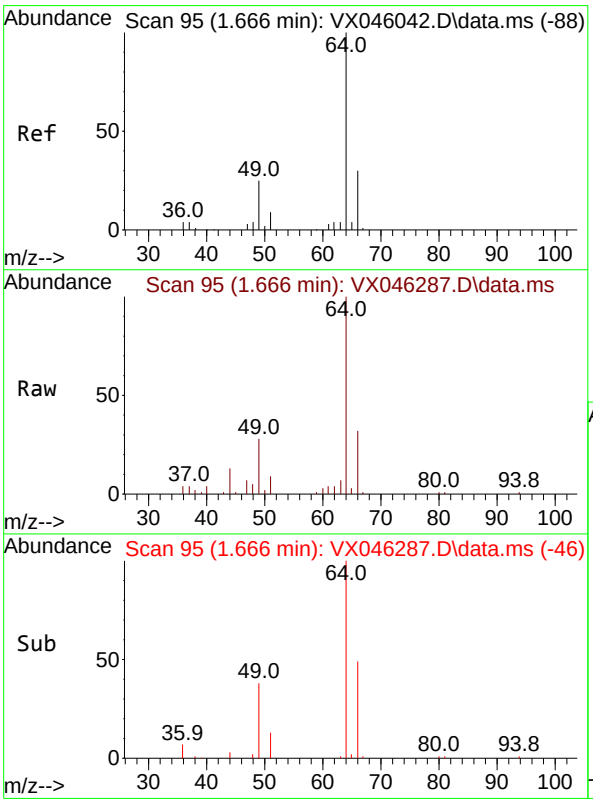
#5
Bromomethane
Concen: 19.572 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 94 Resp: 10421

Ion	Ratio	Lower	Upper
94	100		
96	91.0	72.8	109.2

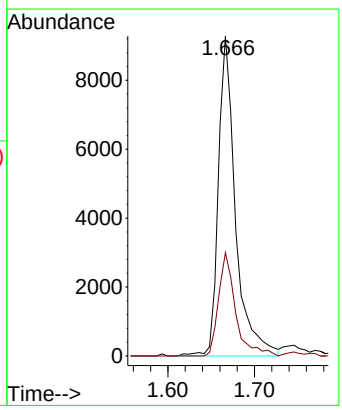


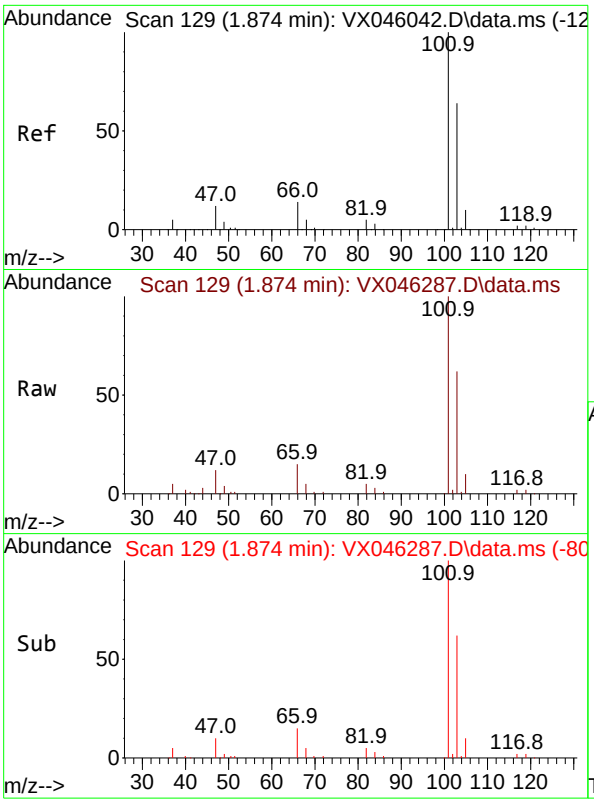


#6
Chloroethane
Concen: 20.833 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 64 Resp: 12767

Ion	Ratio	Lower	Upper
64	100		
66	32.2	24.3	36.5



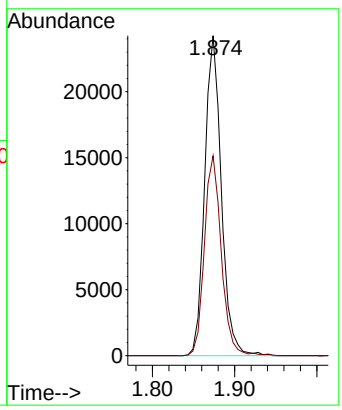


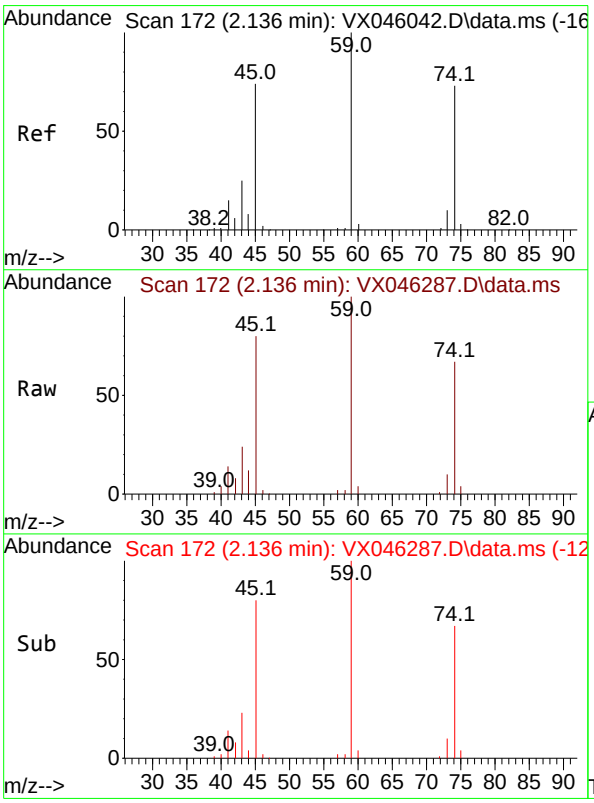
#7
Trichlorofluoromethane
Concen: 20.096 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:101 Resp: 34095

Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.0	76.4

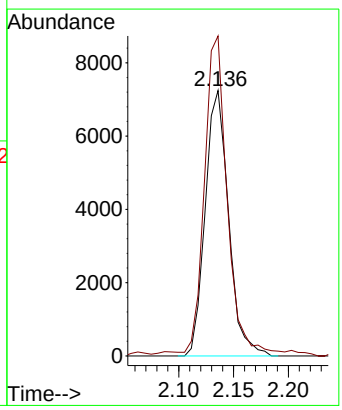


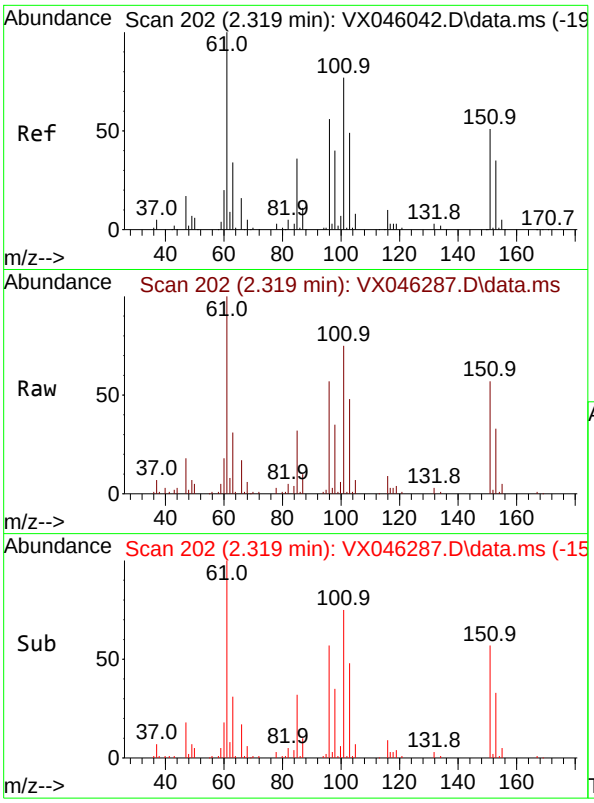


#8
Diethyl Ether
Concen: 18.611 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 74 Resp: 10749

Ion	Ratio	Lower	Upper
74	100		
45	120.9	54.9	164.8



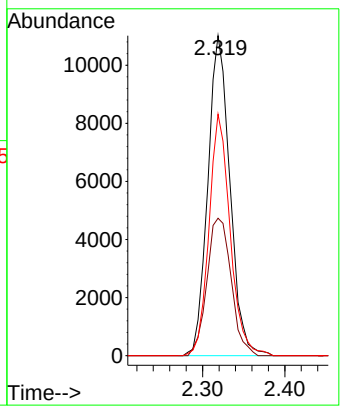


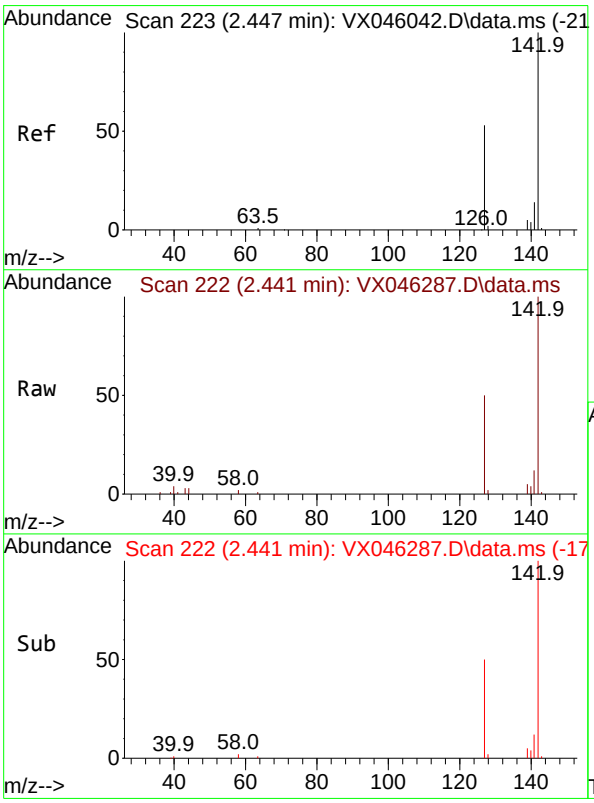
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.599 ug/l
RT: 2.319 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:101 Resp: 20578

Ion	Ratio	Lower	Upper
101	100		
85	47.0	38.6	58.0
151	72.4	55.2	82.8

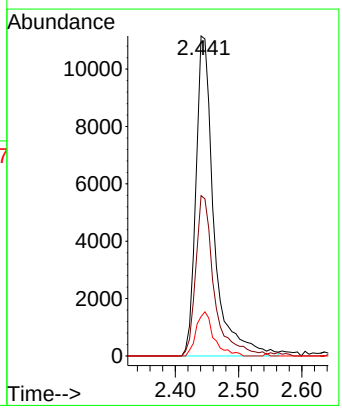


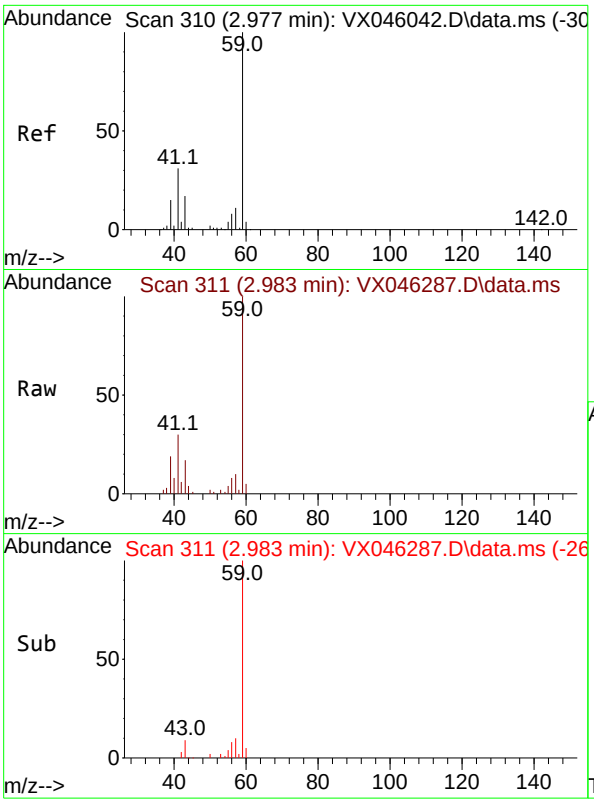


#10
Methyl Iodide
Concen: 17.906 ug/l
RT: 2.441 min Scan# 222
Delta R.T. -0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:142 Resp: 22245

Ion	Ratio	Lower	Upper
142	100		
127	51.0	41.7	62.5
141	13.4	11.5	17.3



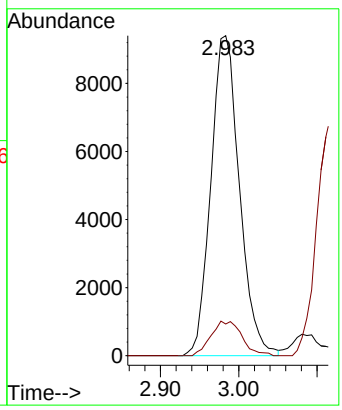


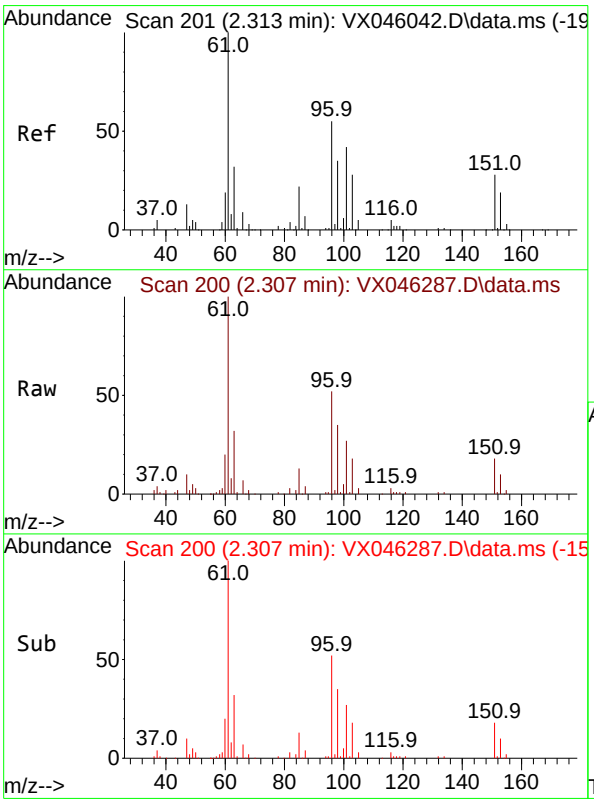
#11
Tert butyl alcohol
Concen: 109.655 ug/l
RT: 2.983 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 59 Resp: 23847

Ion	Ratio	Lower	Upper
59	100		
57	11.7	8.6	12.8

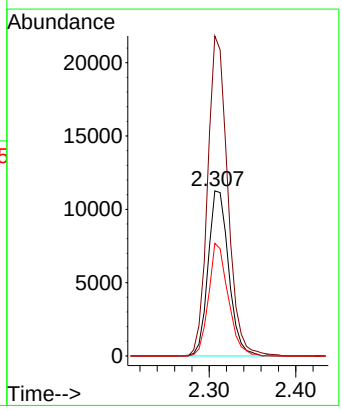


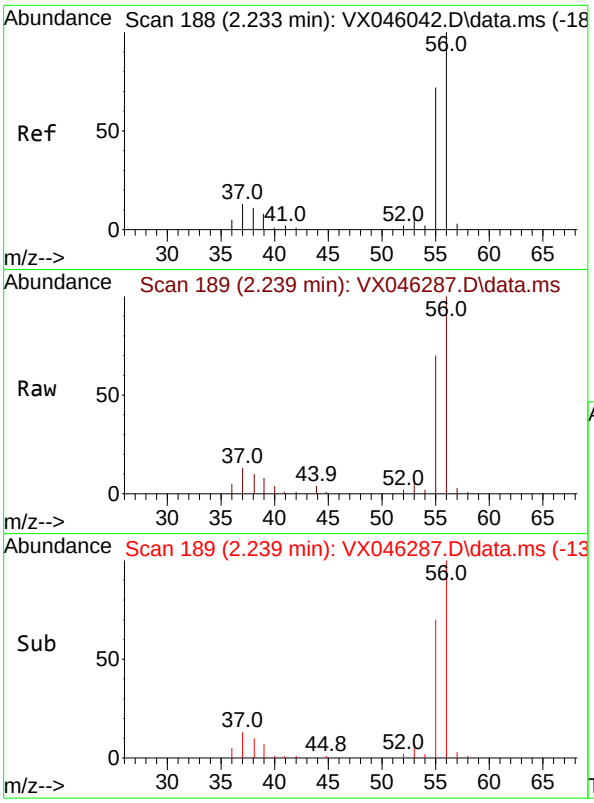


#12
1,1-Dichloroethene
Concen: 18.807 ug/l
RT: 2.307 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 96 Resp: 18532

Ion	Ratio	Lower	Upper
96	100		
61	193.7	146.2	219.2
98	68.2	51.0	76.6



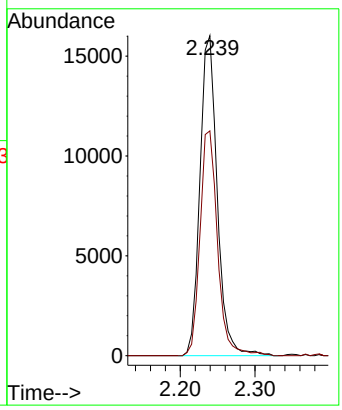


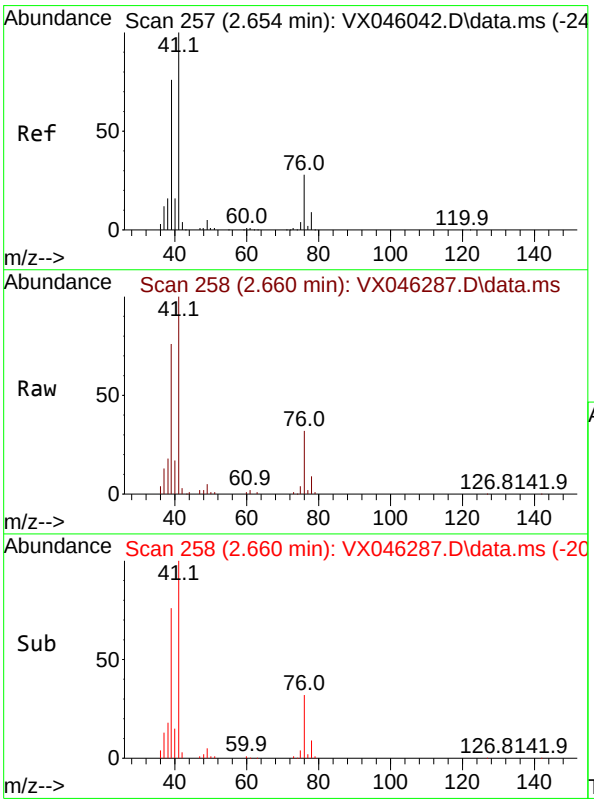
#13
Acrolein
Concen: 104.204 ug/l
RT: 2.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 56 Resp: 25808

Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.2	84.4

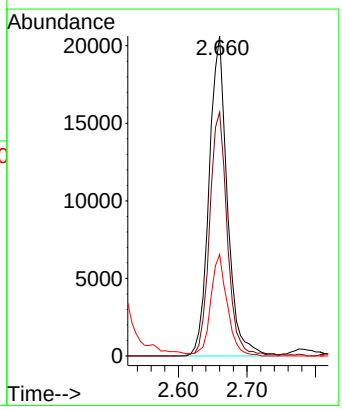


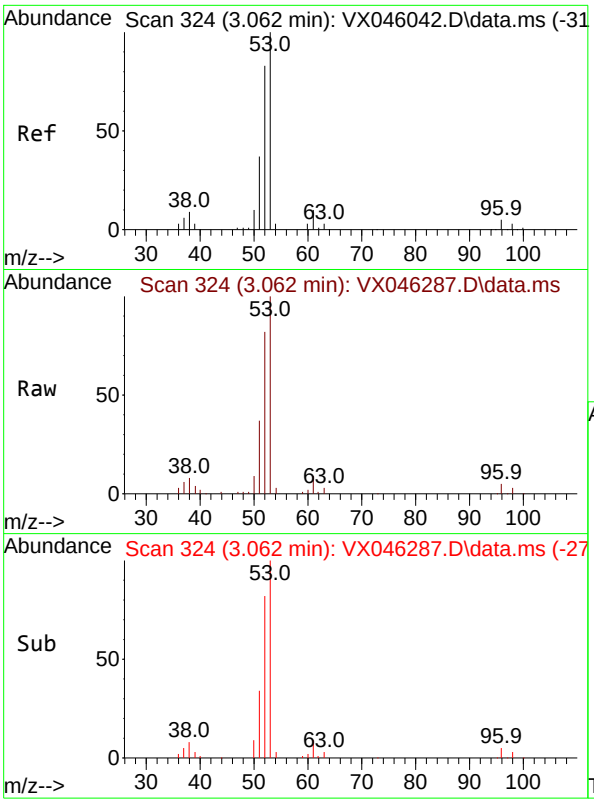


#14
Allyl chloride
Concen: 20.216 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 41 Resp: 38072

Ion	Ratio	Lower	Upper
41	100		
39	74.1	60.6	90.8
76	28.9	24.9	37.3



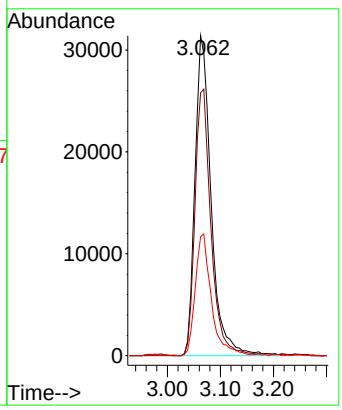


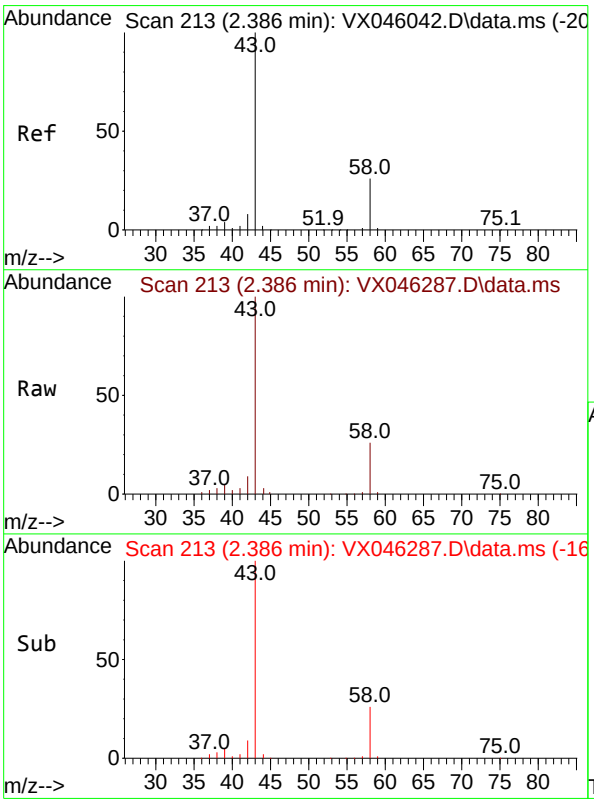
#15
Acrylonitrile
Concen: 107.114 ug/l
RT: 3.062 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 53 Resp: 66609

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.3	97.9
51	38.0	29.8	44.8

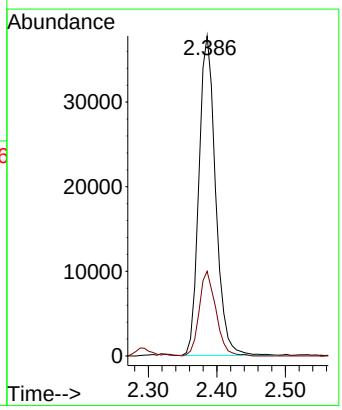


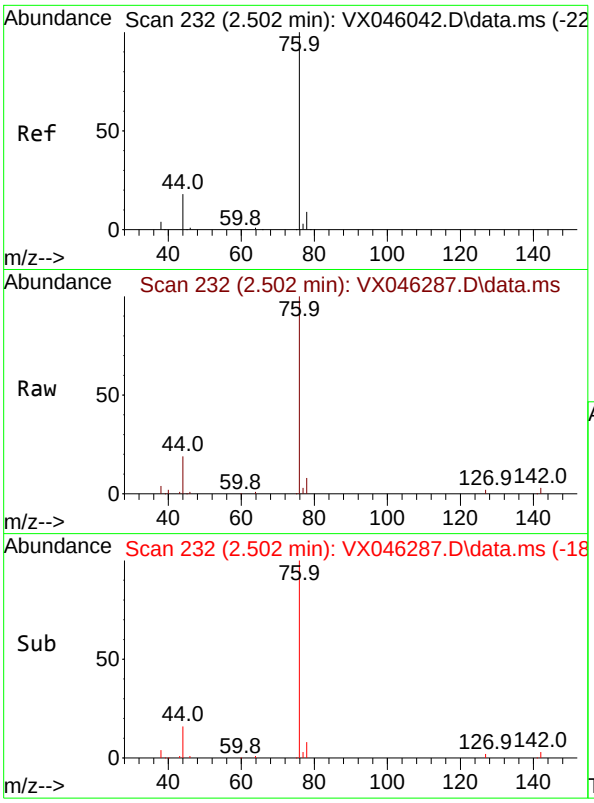


#16
Acetone
Concen: 102.986 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 63974

Ion	Ratio	Lower	Upper
43	100		
58	26.5	21.2	31.8



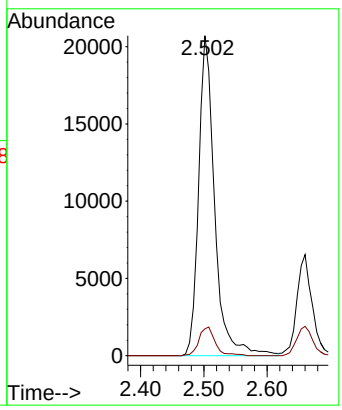


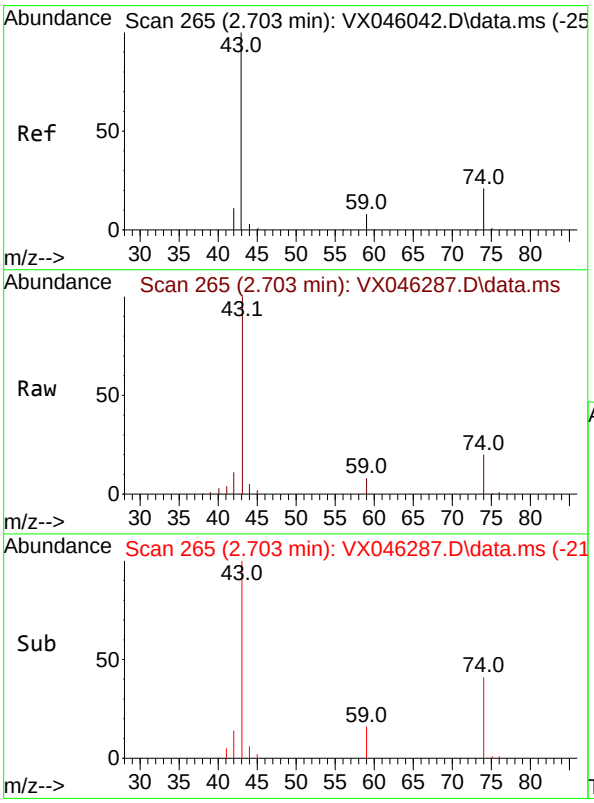
#17
Carbon Disulfide
Concen: 15.647 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 76 Resp: 36554

Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.0	10.4

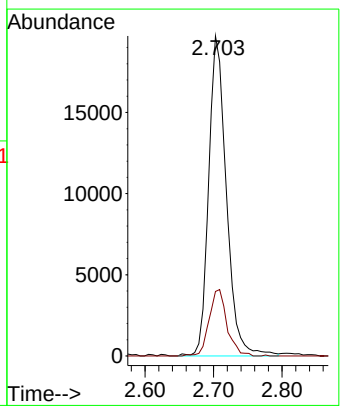


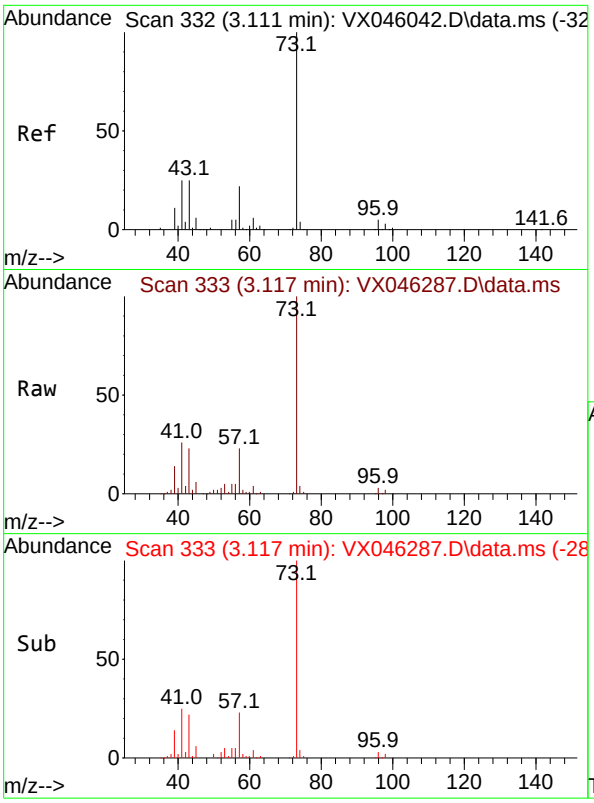


#18
Methyl Acetate
Concen: 24.639 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 35517

Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1



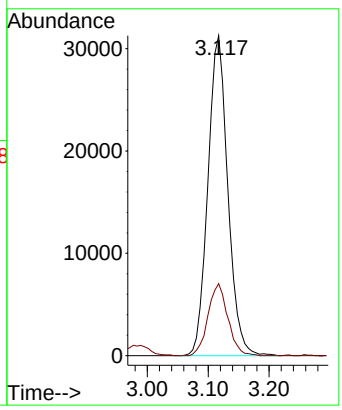


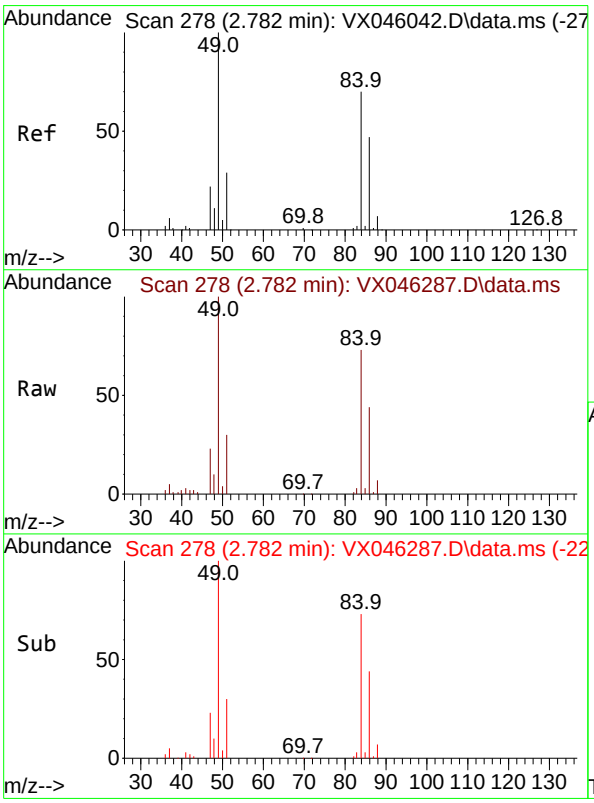
#19
Methyl tert-butyl Ether
Concen: 20.570 ug/l
RT: 3.117 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 73 Resp: 71064

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.7	26.5

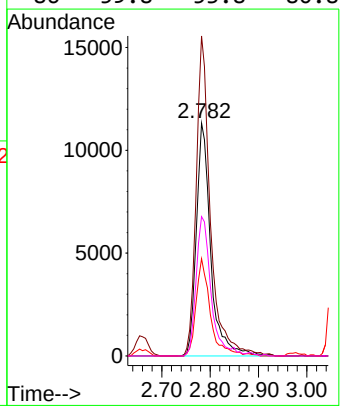


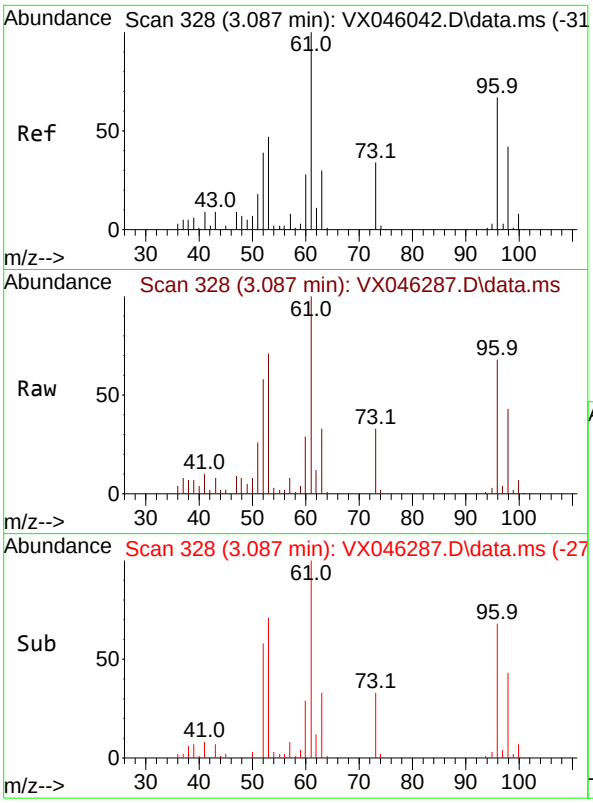


#20
Methylene Chloride
Concen: 19.676 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 84 Resp: 23422

Ion	Ratio	Lower	Upper
84	100		
49	137.5	113.9	170.9
51	41.8	33.5	50.3
86	59.8	53.8	80.8



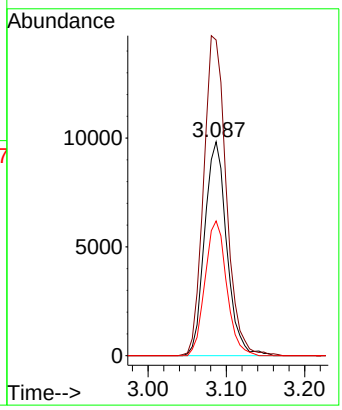


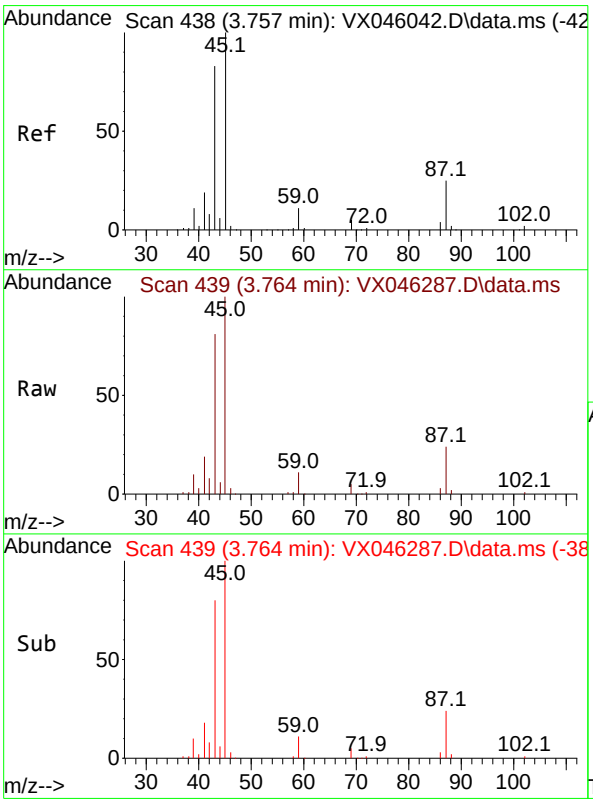
#21
trans-1,2-Dichloroethene
Concen: 19.451 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 96 Resp: 19275

Ion	Ratio	Lower	Upper
96	100		
61	147.6	119.5	179.3
98	63.0	50.0	75.0

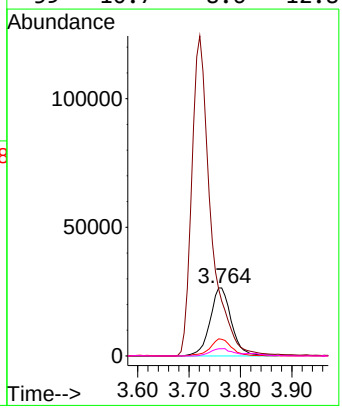


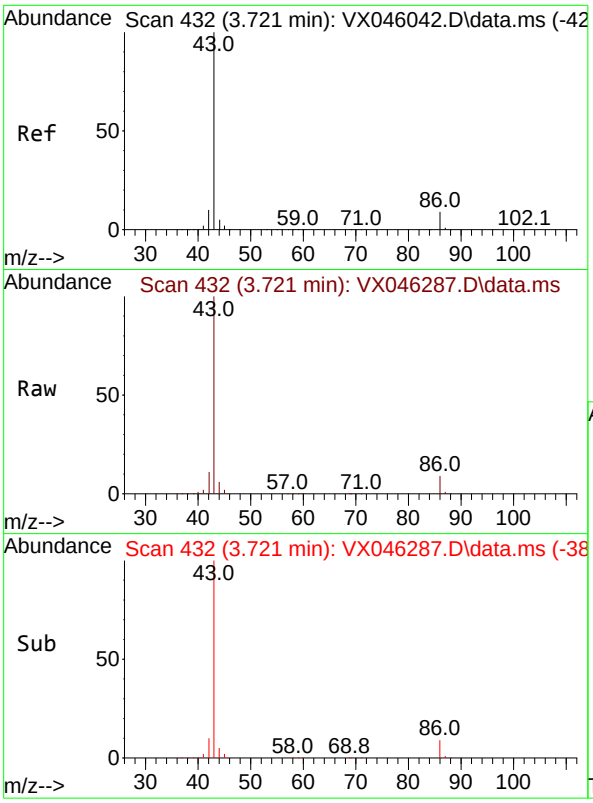


#22
Diisopropyl ether
Concen: 21.013 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 45 Resp: 76439

Ion	Ratio	Lower	Upper
45	100		
43	79.7	66.6	100.0
87	24.5	19.8	29.6
59	10.7	8.6	12.8



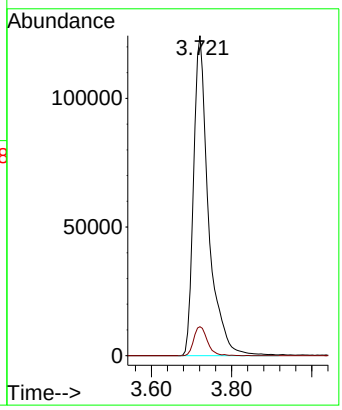


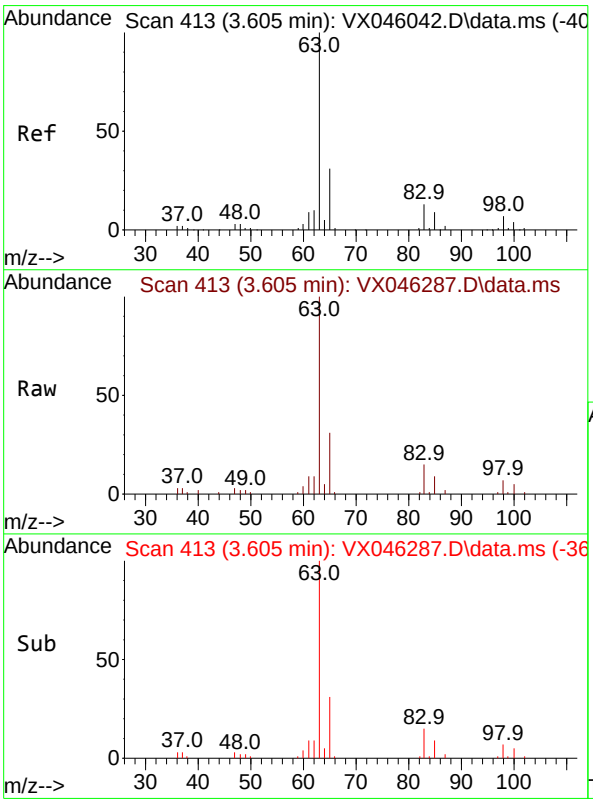
#23
Vinyl Acetate
Concen: 100.856 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 43 Resp: 322692

Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.5	11.3

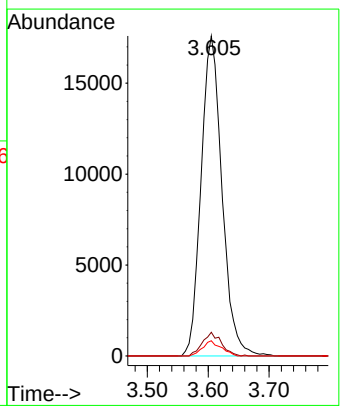


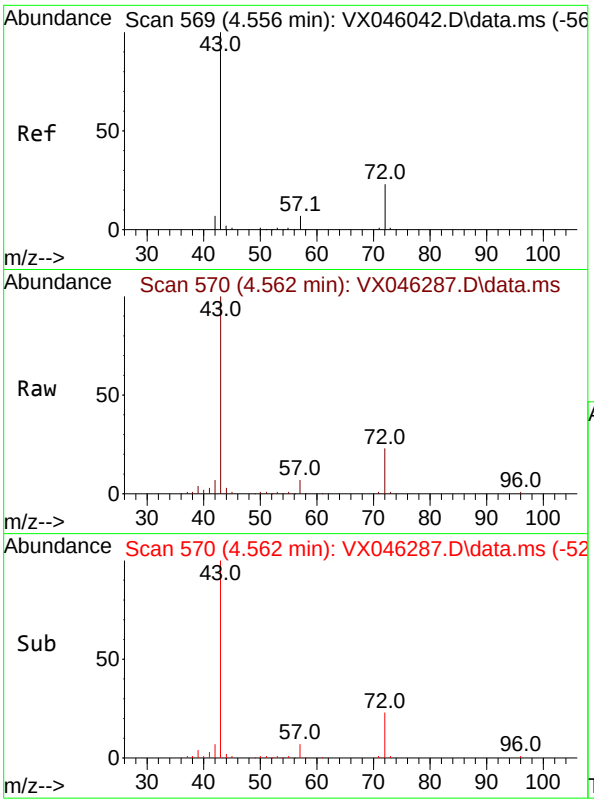


#24
1,1-Dichloroethane
Concen: 20.762 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 63 Resp: 42066

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.8
100	4.8	2.1	6.3



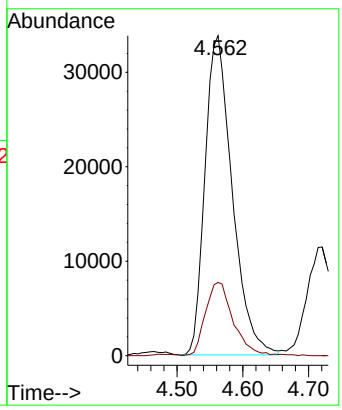


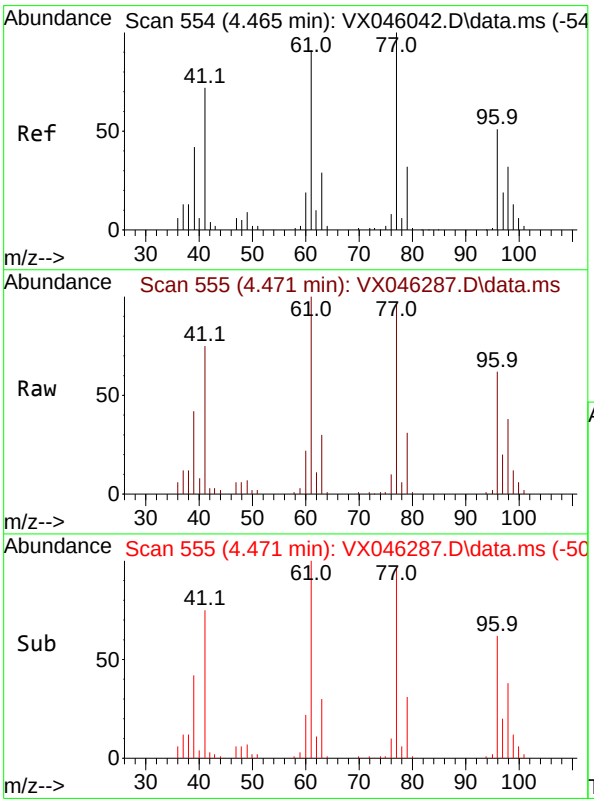
#25
2-Butanone
Concen: 107.880 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 43 Resp: 97290

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.4	27.6

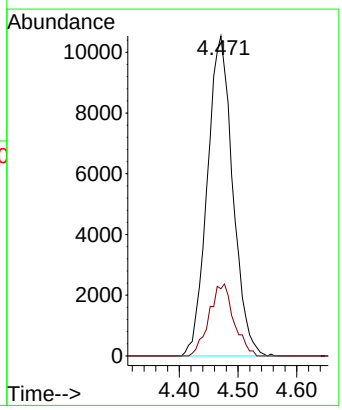


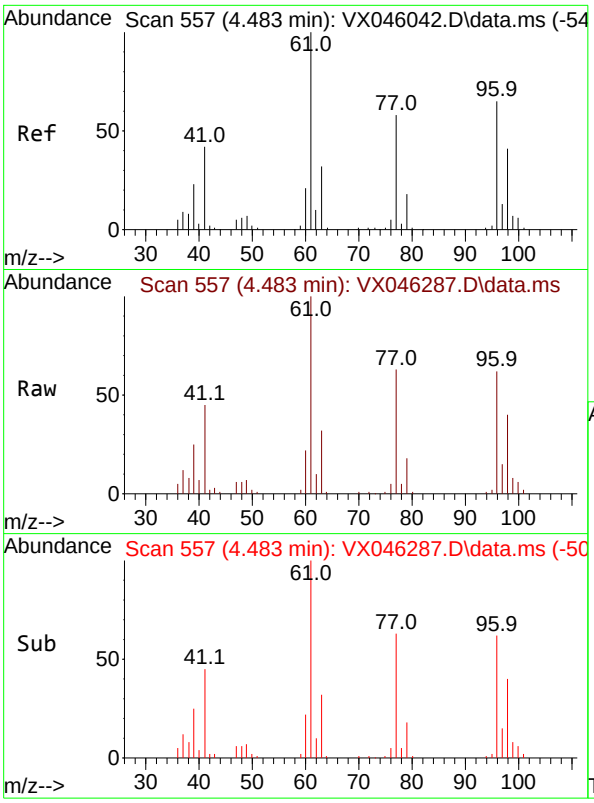


#26
2,2-Dichloropropane
Concen: 20.038 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 77 Resp: 31778

Ion	Ratio	Lower	Upper
77	100		
97	21.8	10.5	31.5



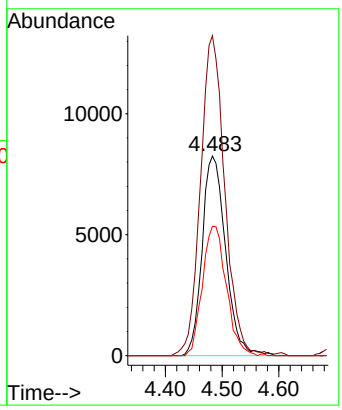


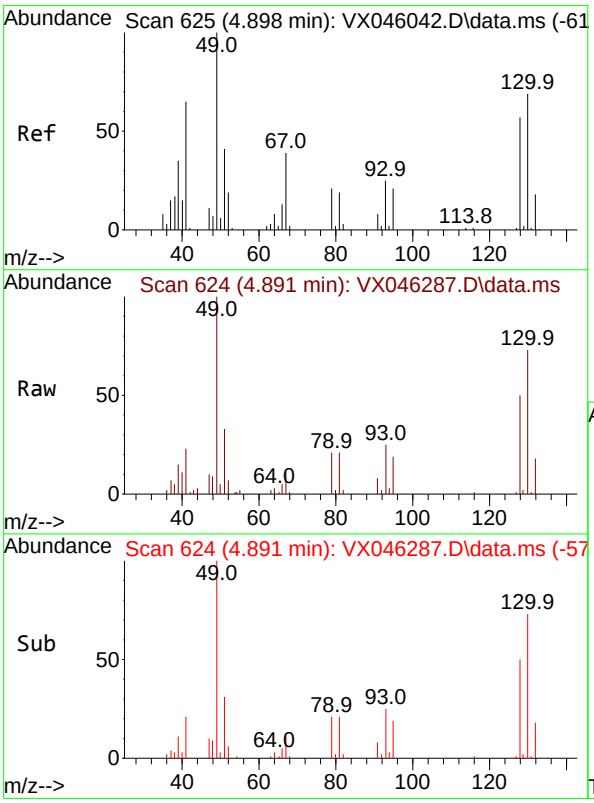
#27
cis-1,2-Dichloroethene
Concen: 19.904 ug/l
RT: 4.483 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 96 Resp: 23744

Ion	Ratio	Lower	Upper
96	100		
61	165.6	0.0	322.8
98	65.9	0.0	129.0

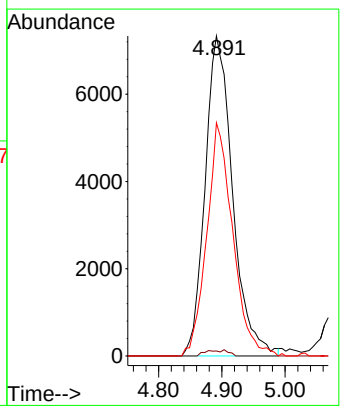


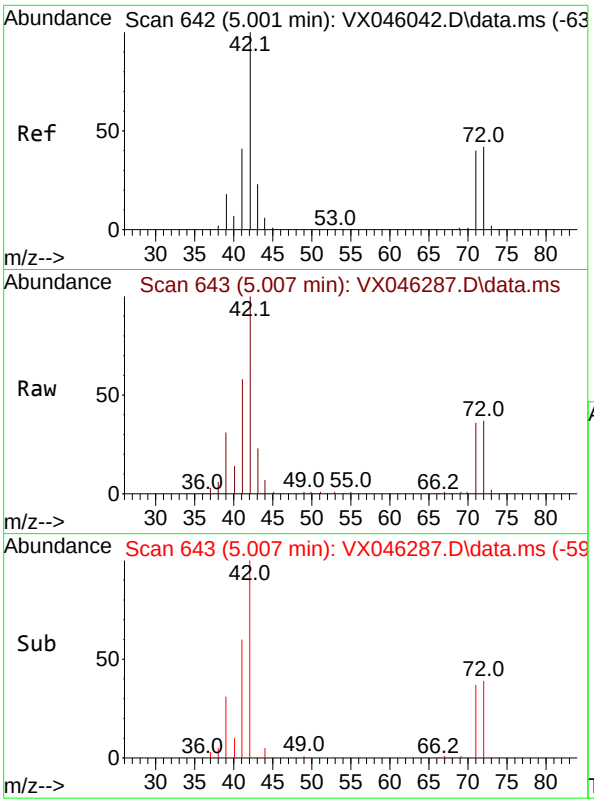


#28
Bromochloromethane
Concen: 22.721 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 49 Resp: 22159

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.0
130	69.1	56.2	84.2



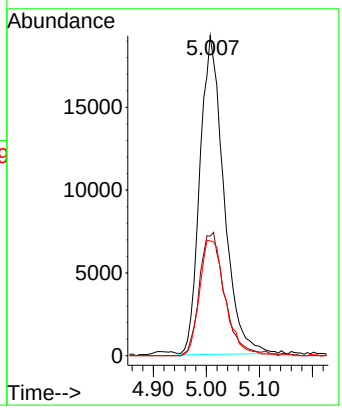


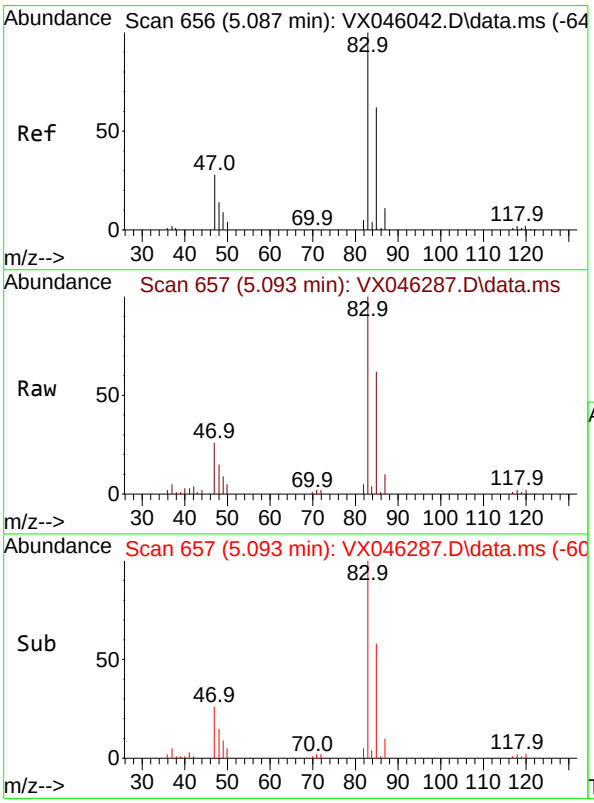
#29
Tetrahydrofuran
Concen: 106.791 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 42 Resp: 60349

Ion	Ratio	Lower	Upper
42	100		
72	40.7	33.7	50.5
71	38.7	31.4	47.2

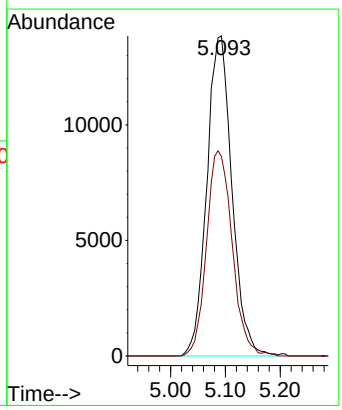


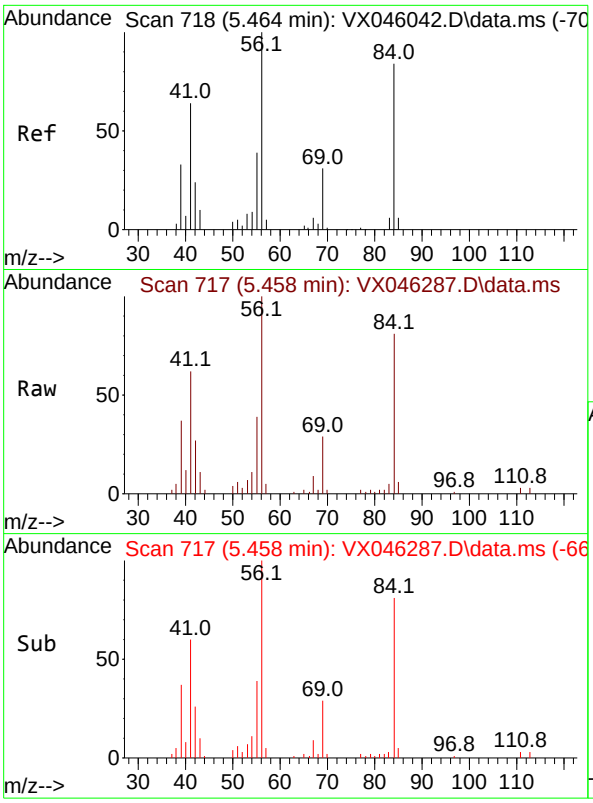


#30
Chloroform
Concen: 20.880 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 83 Resp: 44097

Ion	Ratio	Lower	Upper
83	100		
85	62.3	49.3	73.9



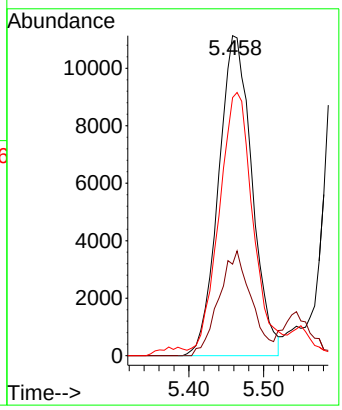


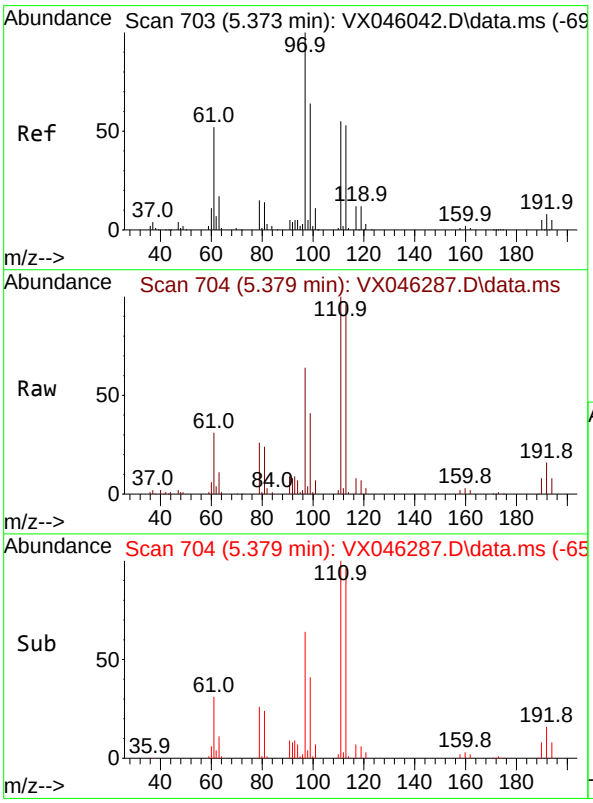
#31
Cyclohexane
Concen: 18.777 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 56 Resp: 34669

Ion	Ratio	Lower	Upper
56	100		
69	28.6	24.4	36.6
84	78.0	66.9	100.3

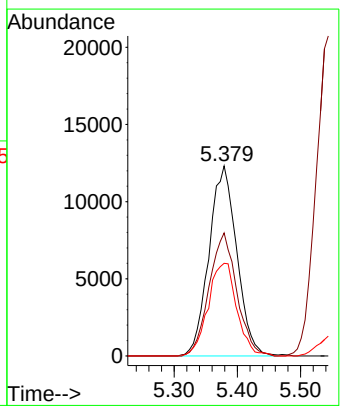


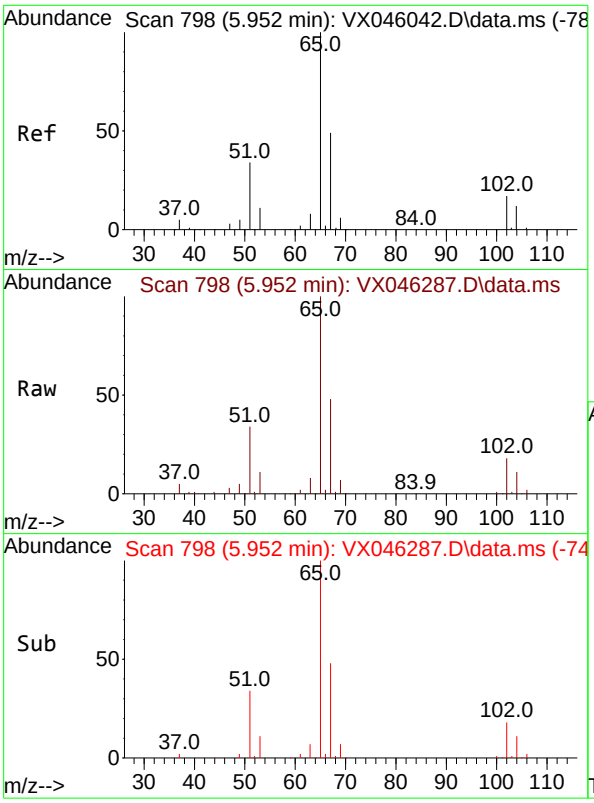


#32
1,1,1-Trichloroethane
Concen: 20.513 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 97 Resp: 37552

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.6
61	50.4	40.1	60.1



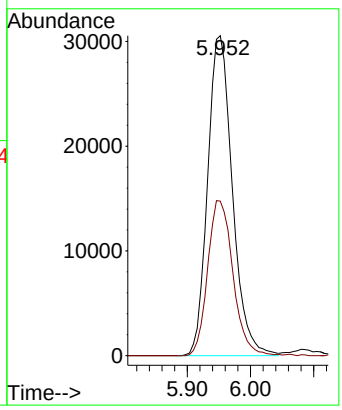


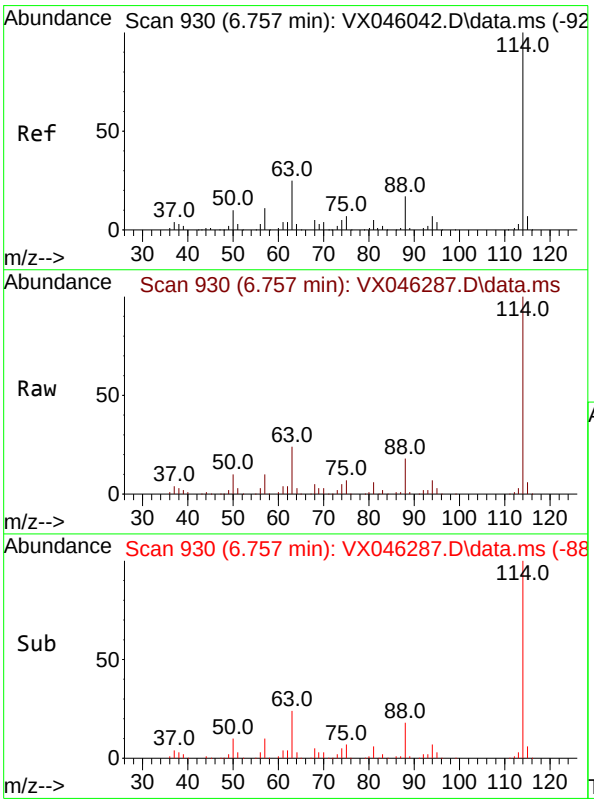
#33
1,2-Dichloroethane-d4
Concen: 53.650 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 65 Resp: 83120

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	99.0

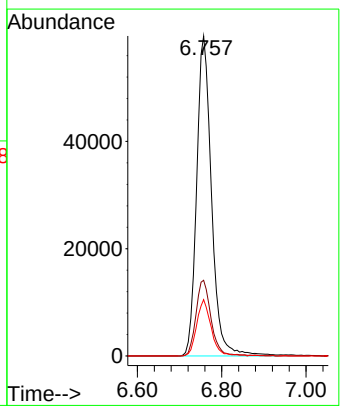


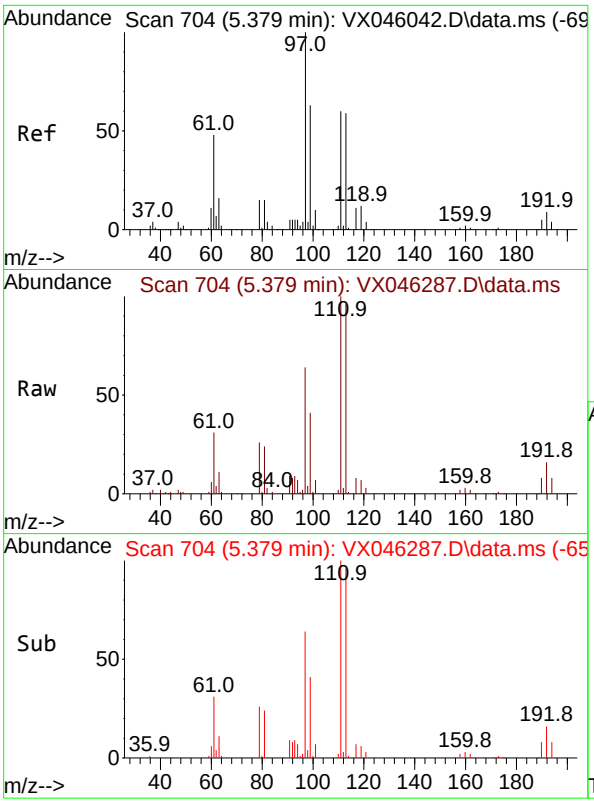


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:114 Resp: 146697

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	49.2
88	17.6	0.0	33.6



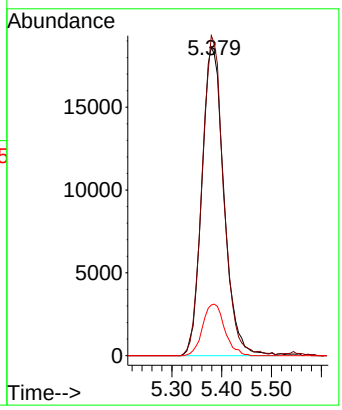


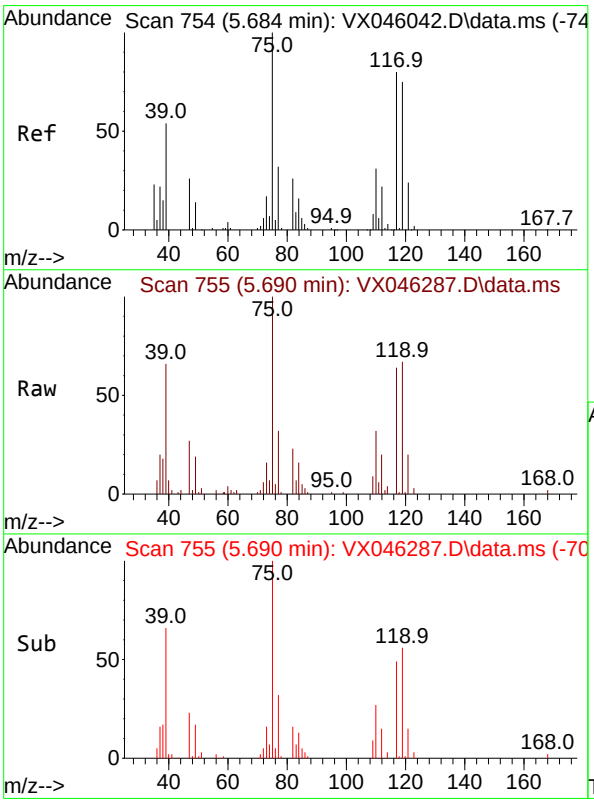
#35
Dibromofluoromethane
Concen: 54.310 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:113 Resp: 57372

Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.1	124.7
192	16.6	13.3	19.9

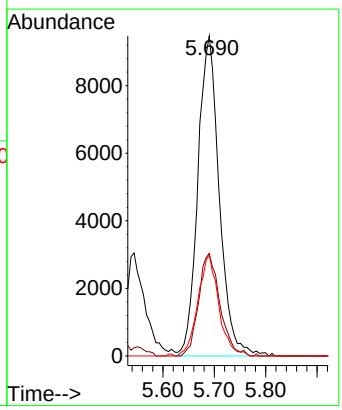


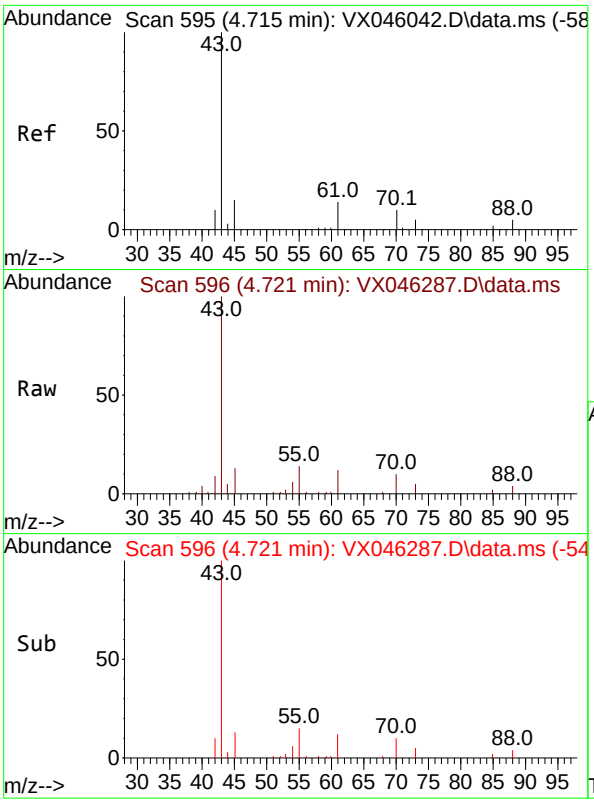


#36
1,1-Dichloropropene
Concen: 19.318 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 75 Resp: 27419

Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.3	48.9
77	30.6	24.3	36.5



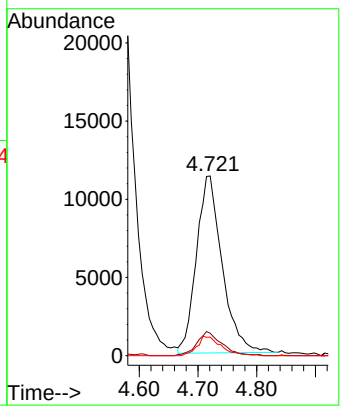


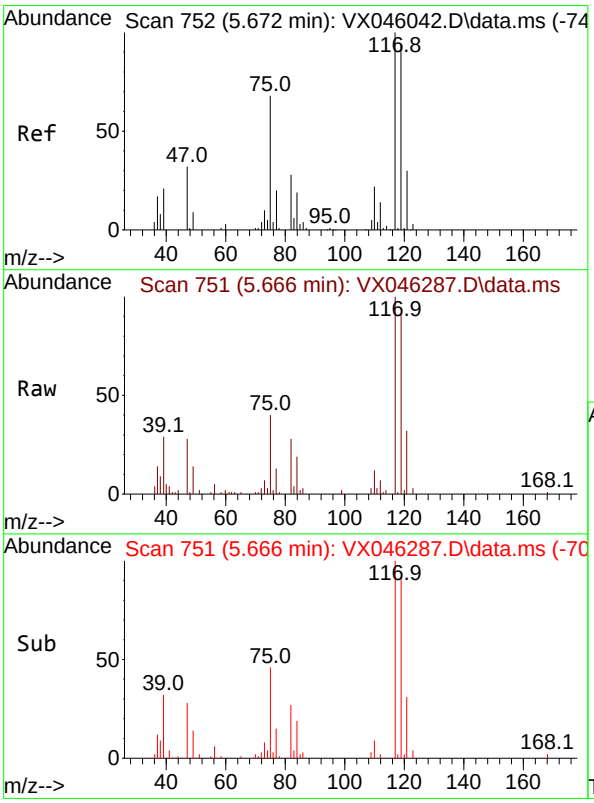
#37
Ethyl Acetate
Concen: 19.662 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 43 Resp: 34479

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.3	15.5
70	10.1	7.9	11.9

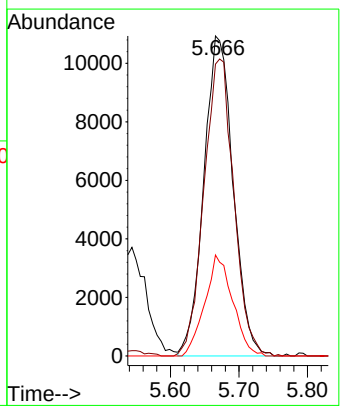


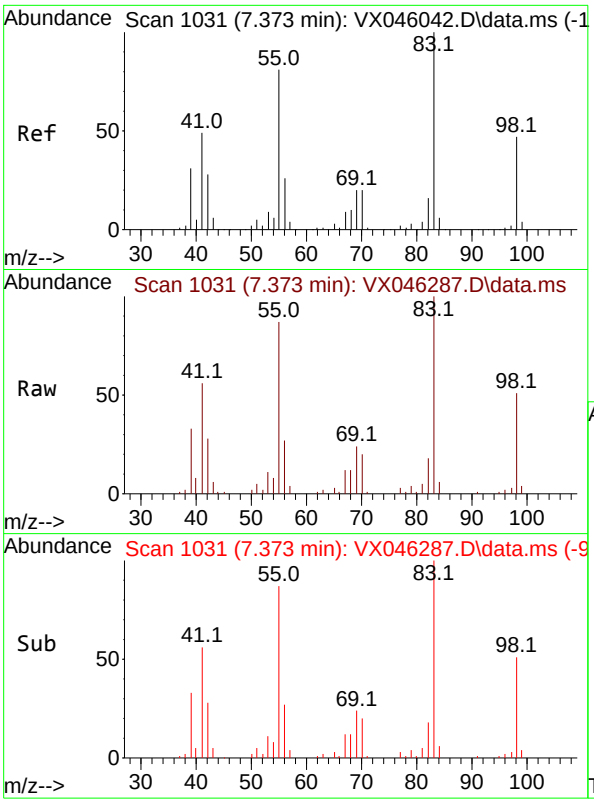


#38
Carbon Tetrachloride
Concen: 20.358 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:117 Resp: 32466

Ion	Ratio	Lower	Upper
117	100		
119	90.7	75.2	112.8
121	31.6	24.2	36.4



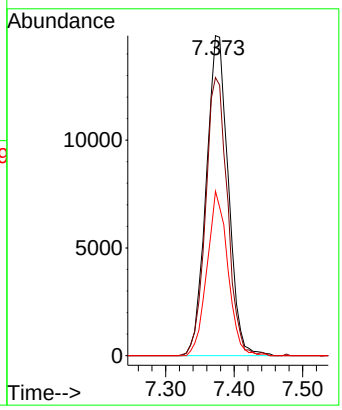


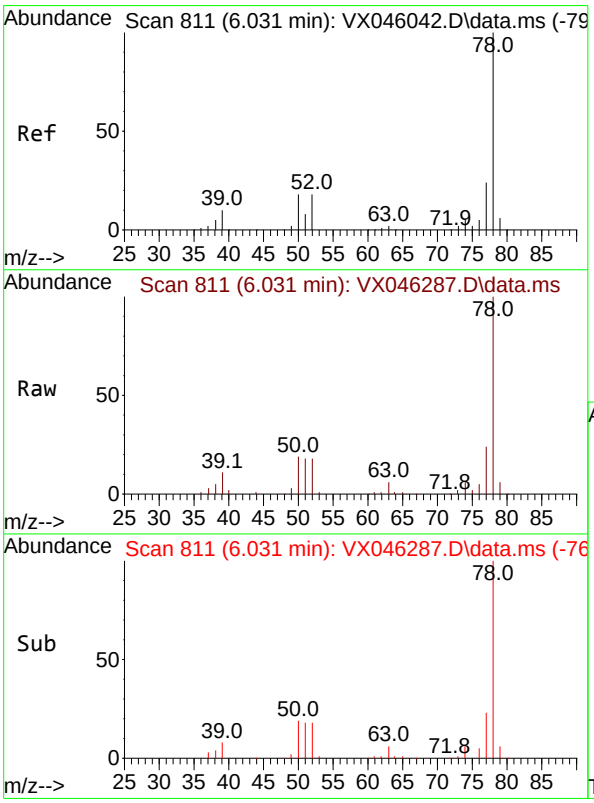
#39
Methylcyclohexane
Concen: 18.179 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 83 Resp: 33218

Ion	Ratio	Lower	Upper
83	100		
55	86.9	64.7	97.1
98	51.4	37.4	56.2

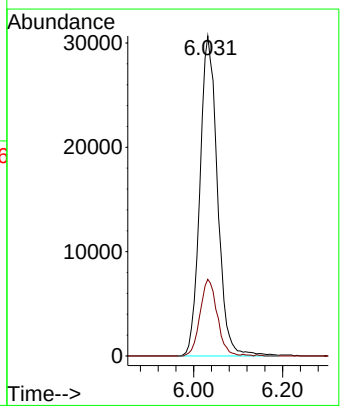


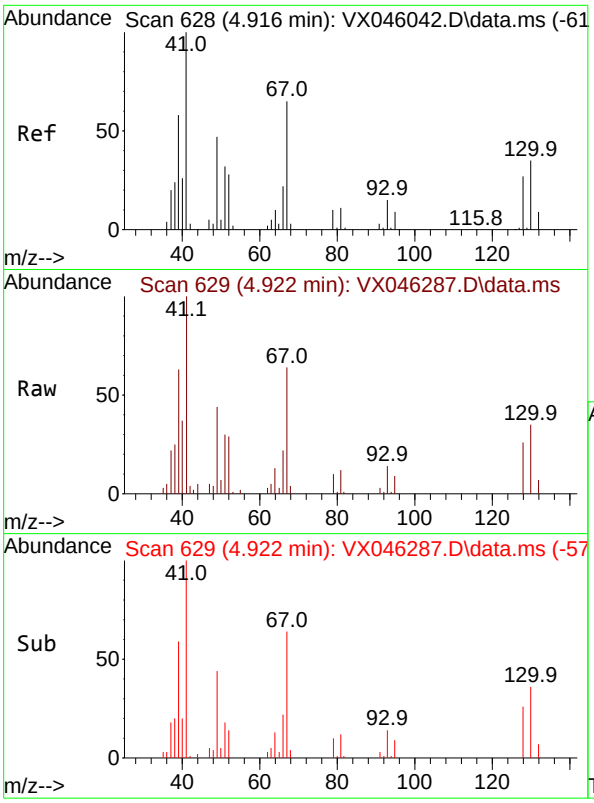


#40
Benzene
Concen: 20.305 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 78 Resp: 84417

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4



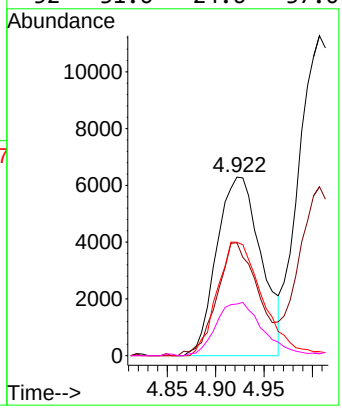


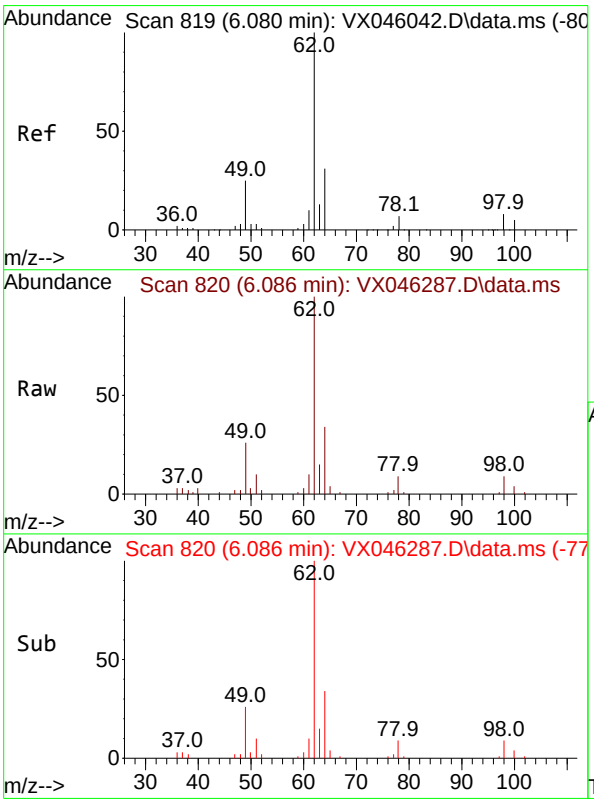
#41
Methacrylonitrile
Concen: 21.927 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 41 Resp: 20114

Ion	Ratio	Lower	Upper
41	100		
39	57.0	47.2	70.8
67	65.5	50.7	76.1
52	31.6	24.6	37.0

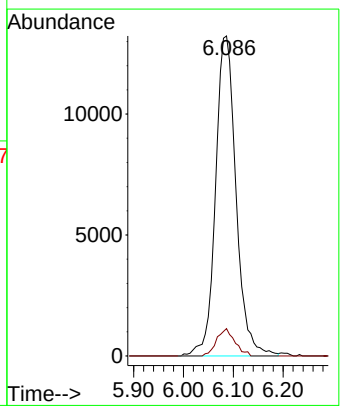


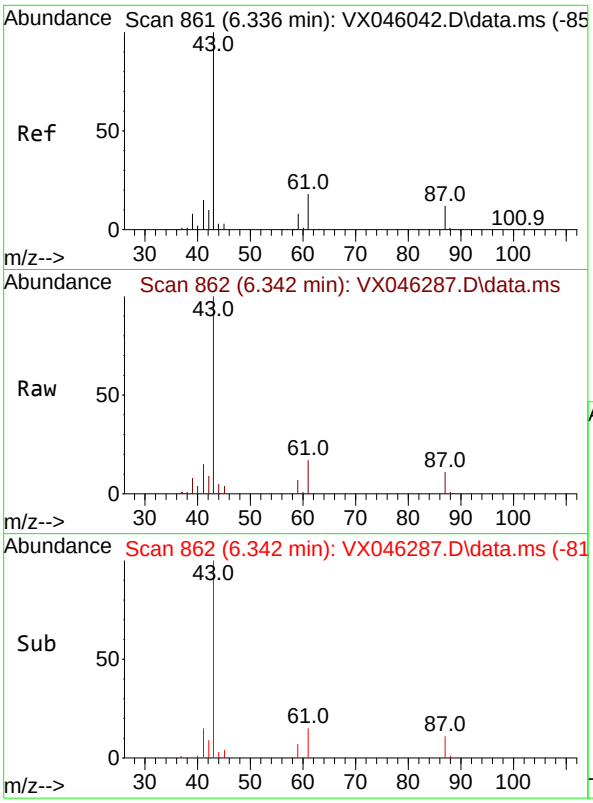


#42
1,2-Dichloroethane
Concen: 21.028 ug/l
RT: 6.086 min Scan# 820
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 62 Resp: 37731

Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.2



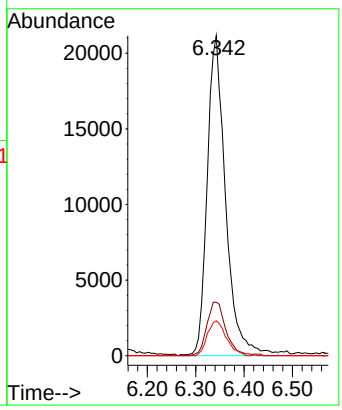


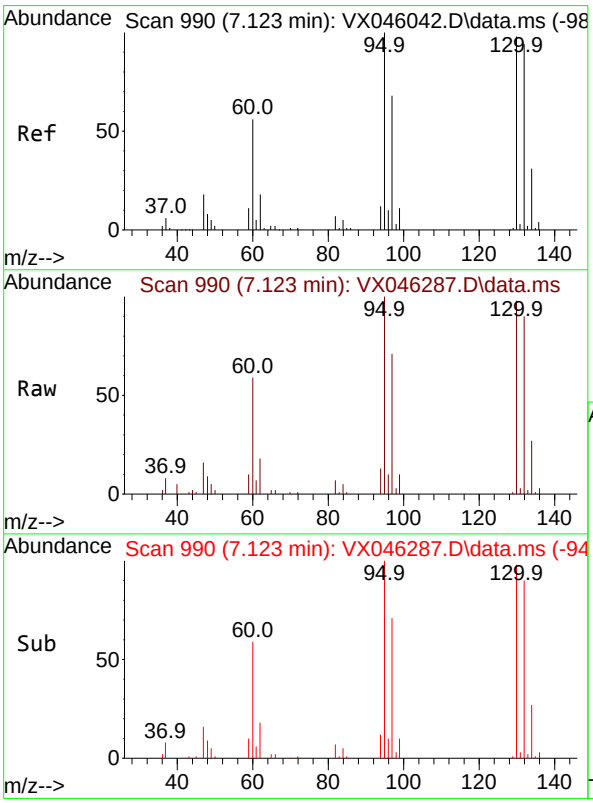
#43
Isopropyl Acetate
Concen: 20.922 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 43 Resp: 55970

Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.3	21.5
87	11.1	9.5	14.3

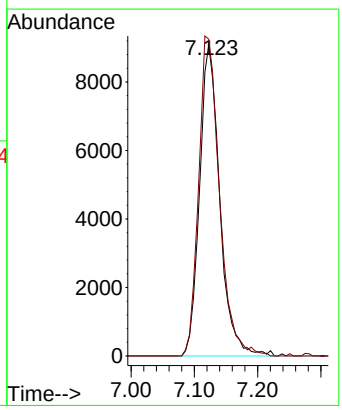


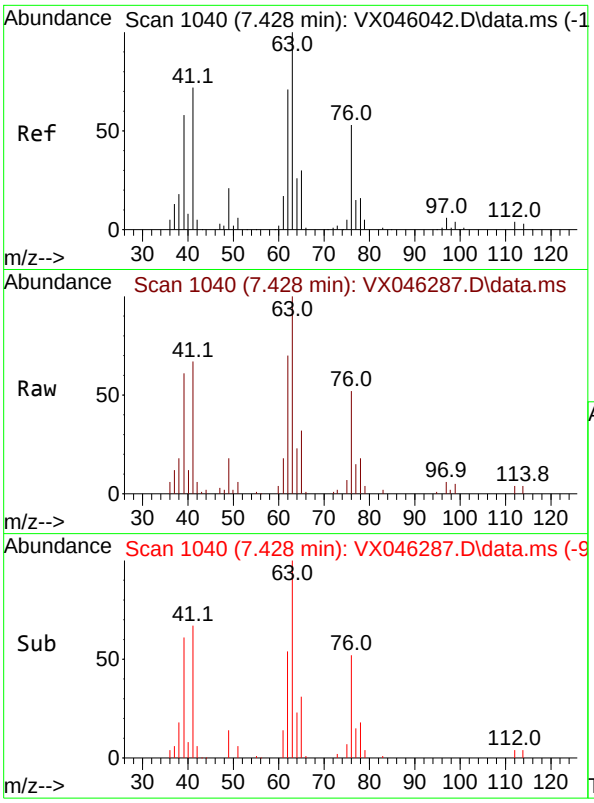


#44
Trichloroethene
Concen: 20.142 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:130 Resp: 20154

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	204.2



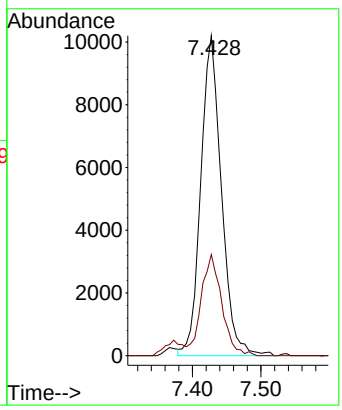


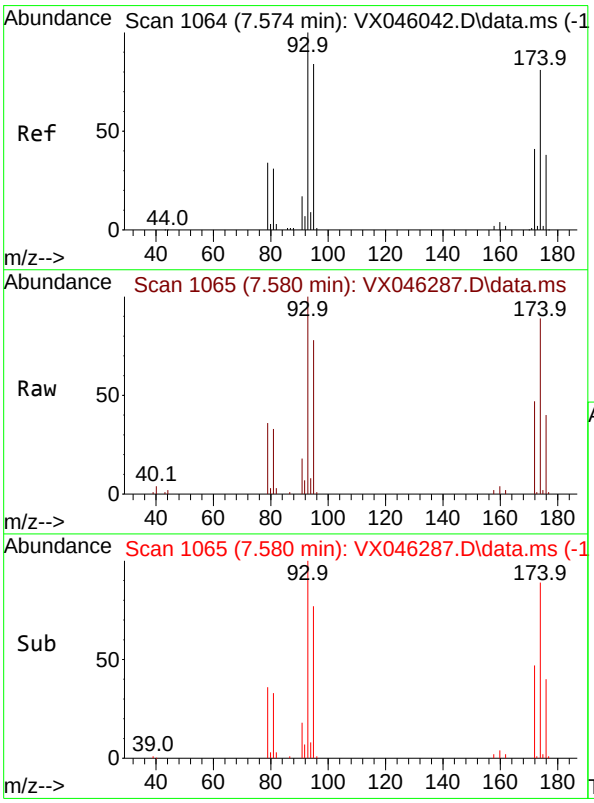
#45
1,2-Dichloropropane
Concen: 20.700 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 63 Resp: 21399

Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.1	36.1

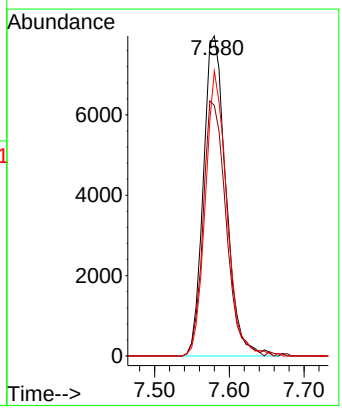


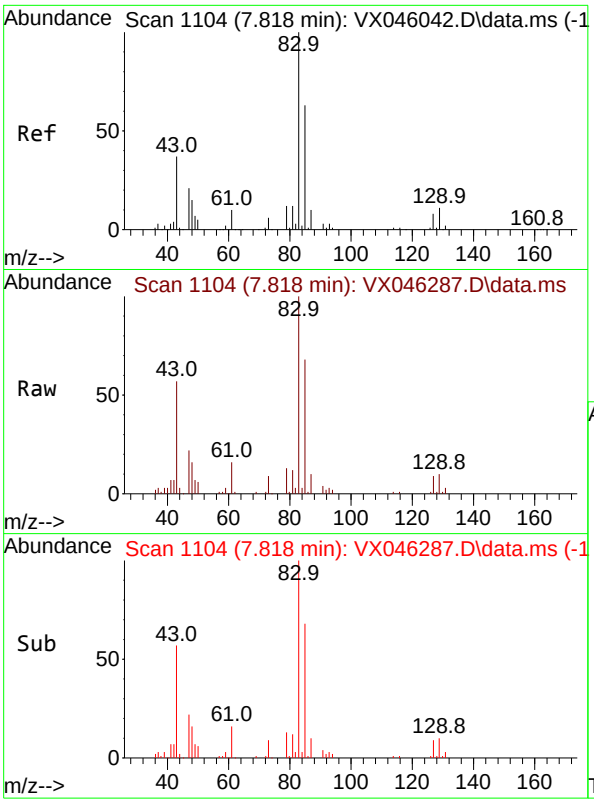


#46
Dibromomethane
Concen: 20.515 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 93 Resp: 16727

Ion	Ratio	Lower	Upper
93	100		
95	80.8	65.6	98.4
174	85.0	68.2	102.2



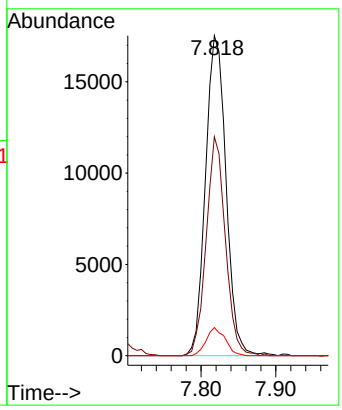


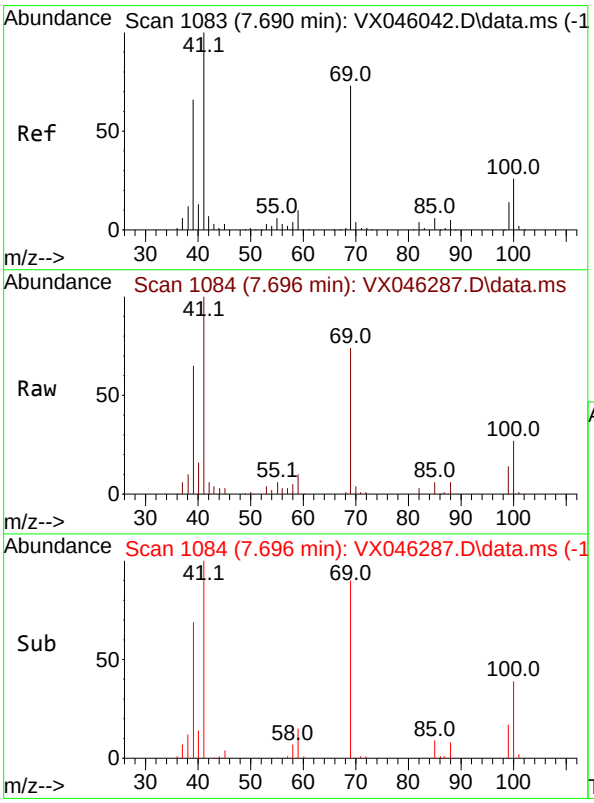
#47
Bromodichloromethane
Concen: 20.884 ug/l
RT: 7.818 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 83 Resp: 33537

Ion	Ratio	Lower	Upper
83	100		
85	68.4	50.5	75.7
127	8.8	6.5	9.7

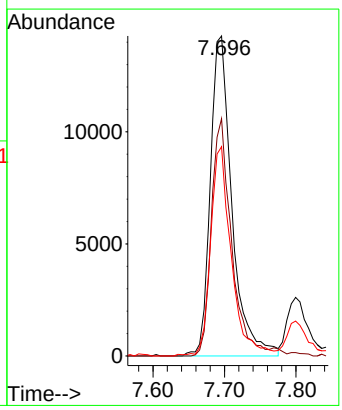


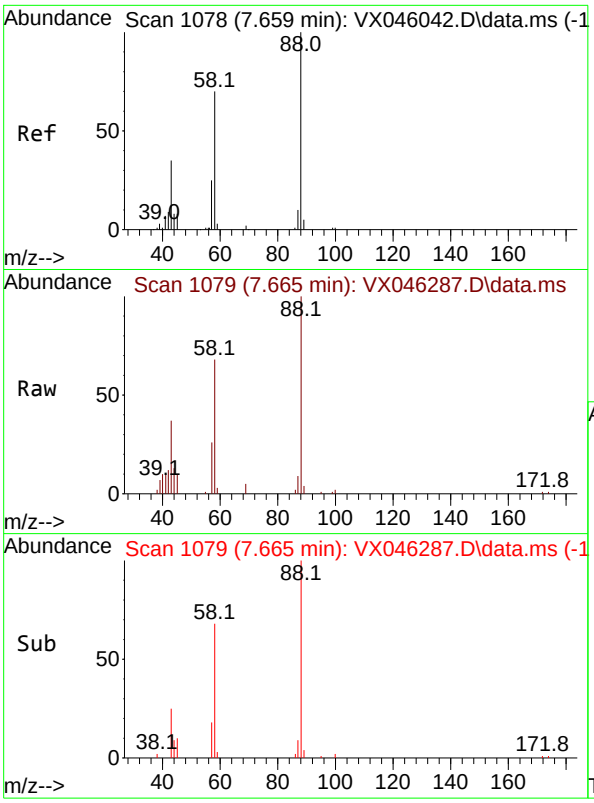


#48
Methyl methacrylate
Concen: 21.893 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 41 Resp: 29912

Ion	Ratio	Lower	Upper
41	100		
69	69.0	58.5	87.7
39	62.8	51.7	77.5



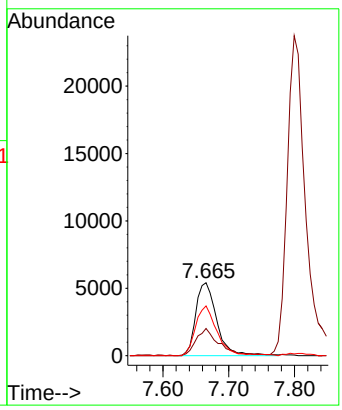


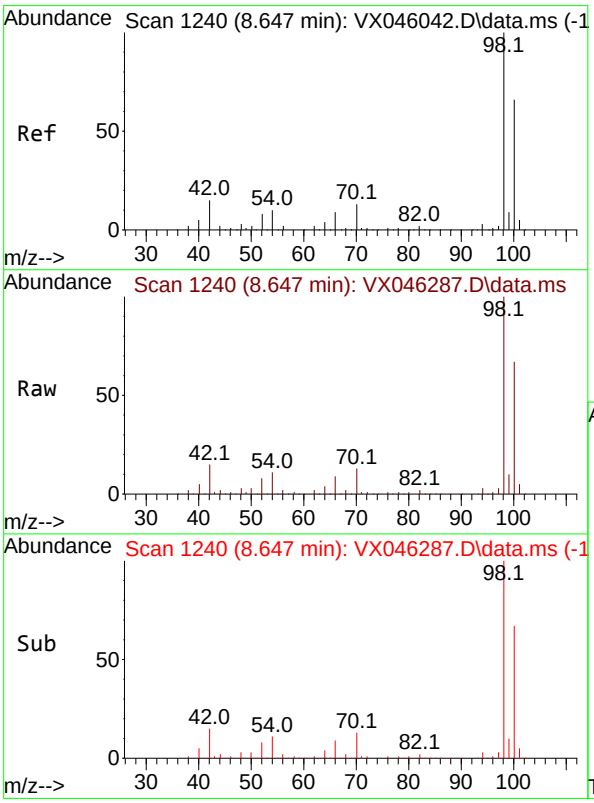
#49
1,4-Dioxane
Concen: 461.769 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 88 Resp: 11979

Ion	Ratio	Lower	Upper
88	100		
43	41.2	33.4	50.2
58	70.1	58.6	88.0

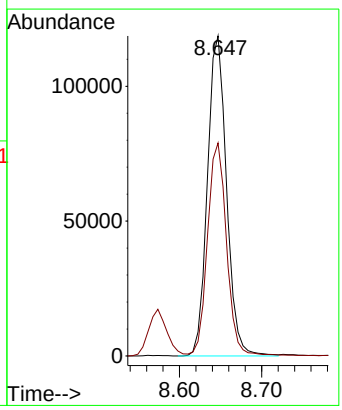


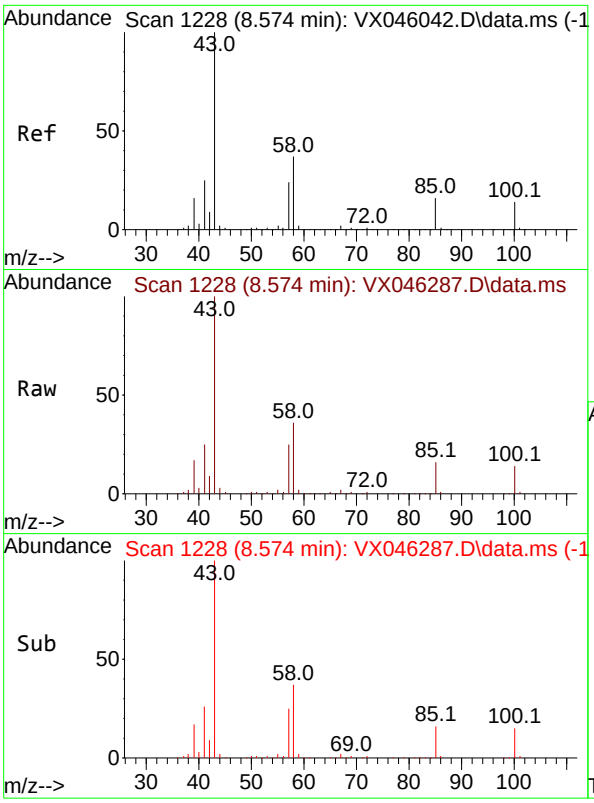


#50
Toluene-d8
Concen: 52.383 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 98 Resp: 191524

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.5	80.3



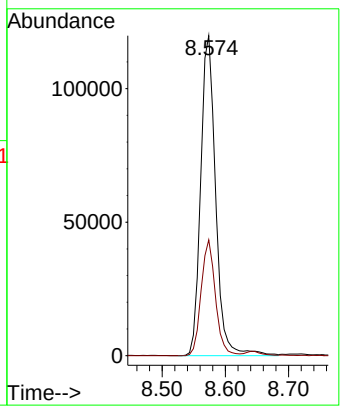


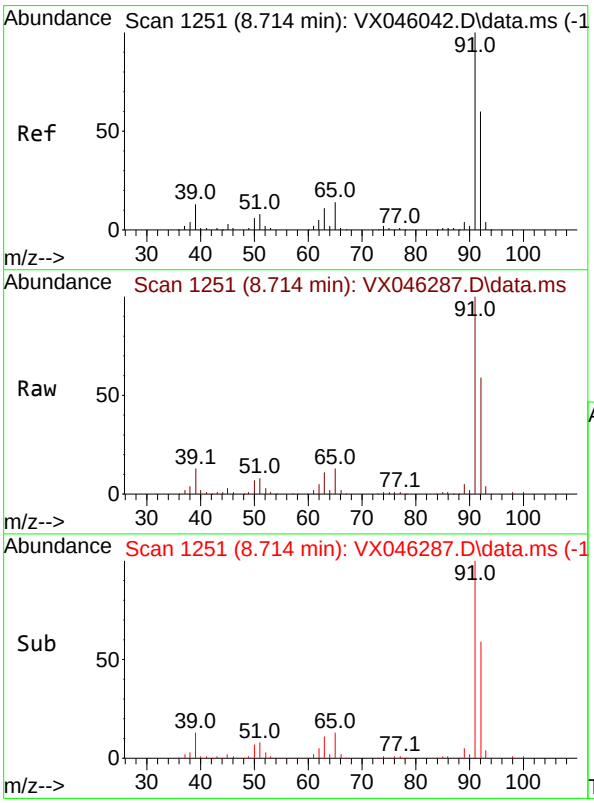
#51
4-Methyl-2-Pentanone
Concen: 111.451 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 43 Resp: 197911

Ion	Ratio	Lower	Upper
43	100		
58	34.5	28.9	43.3

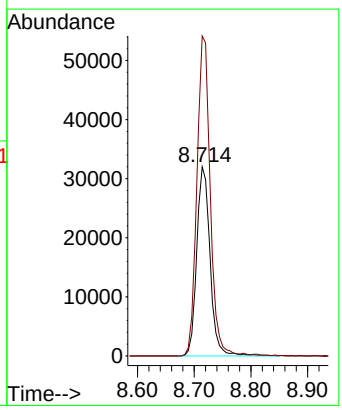


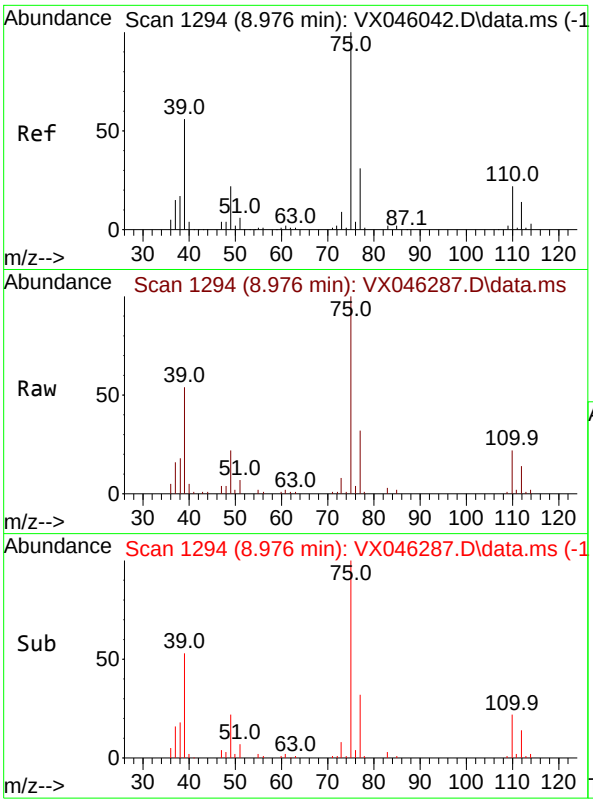


#52
Toluene
Concen: 20.494 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 92 Resp: 52243

Ion	Ratio	Lower	Upper
92	100		
91	169.3	136.6	205.0



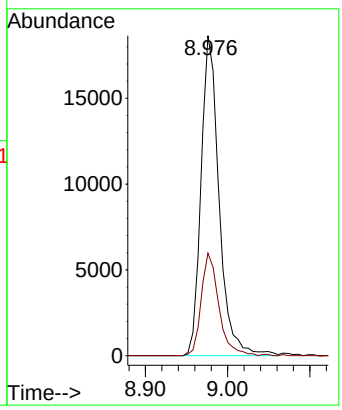


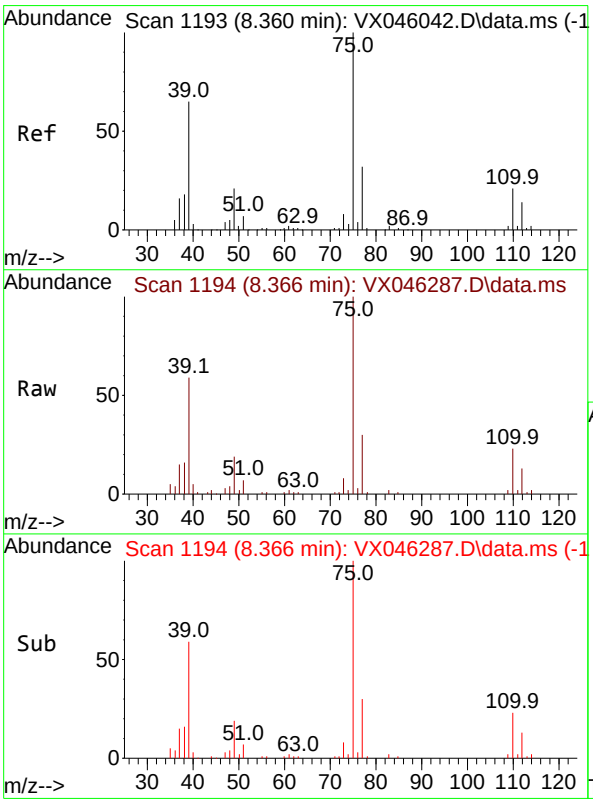
#53
t-1,3-Dichloropropene
Concen: 19.935 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 75 Resp: 28454

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.0	37.6

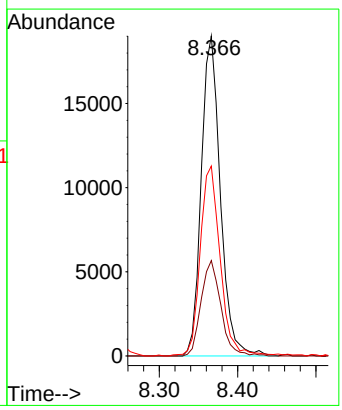


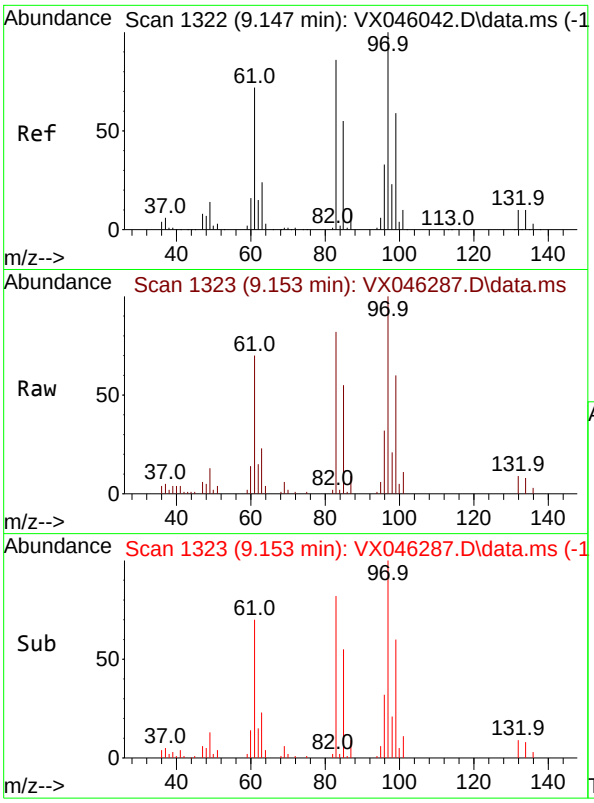


#54
cis-1,3-Dichloropropene
Concen: 20.399 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 75 Resp: 32181

Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.4	38.0
39	58.9	52.2	78.4



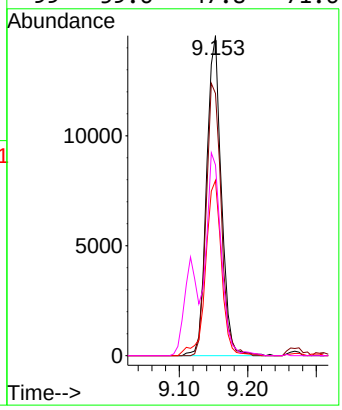


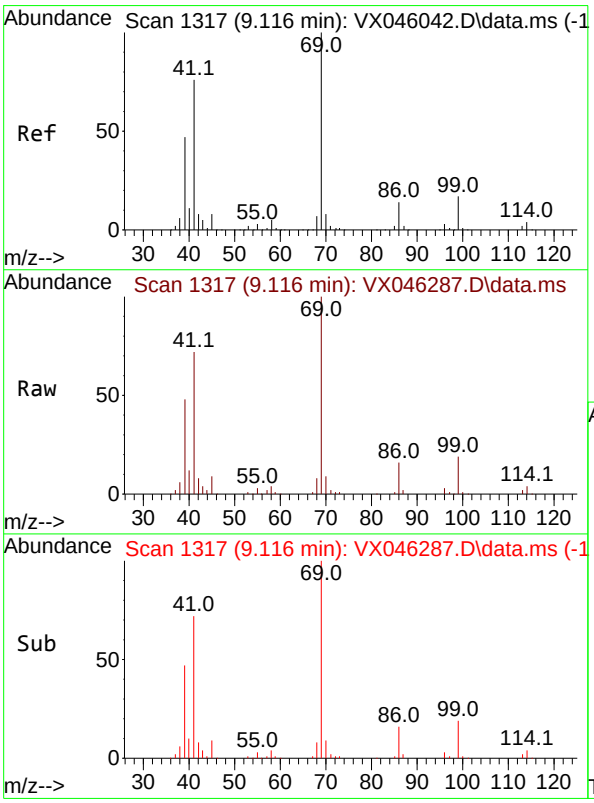
#55
1,1,2-Trichloroethane
Concen: 21.646 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 97 Resp: 21758

Ion	Ratio	Lower	Upper
97	100		
83	82.0	69.0	103.6
85	54.8	44.3	66.5
99	59.6	47.8	71.6

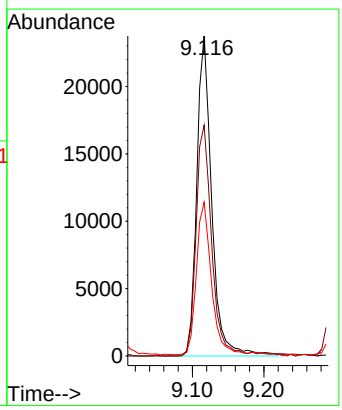


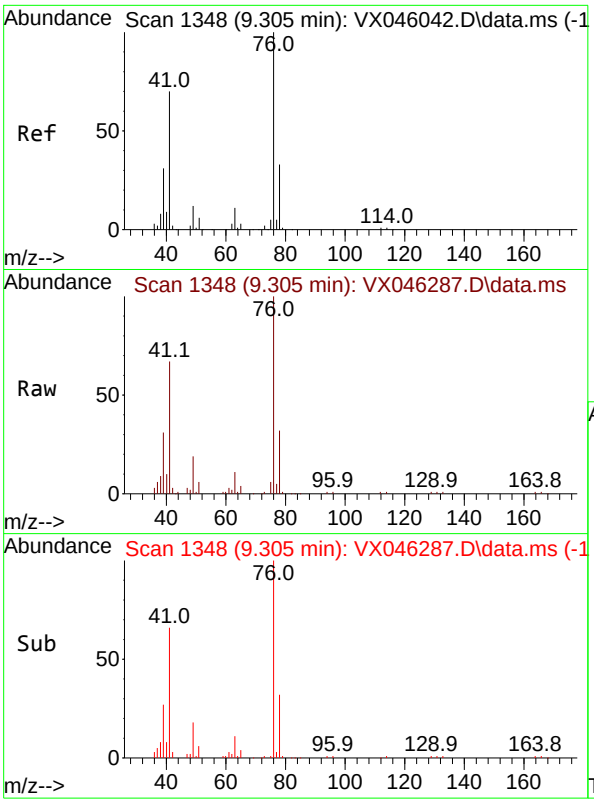


#56
Ethyl methacrylate
Concen: 21.526 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 69 Resp: 34485

Ion	Ratio	Lower	Upper
69	100		
41	74.6	60.8	91.2
39	47.5	39.0	58.6



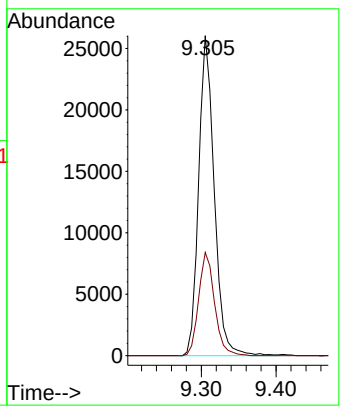


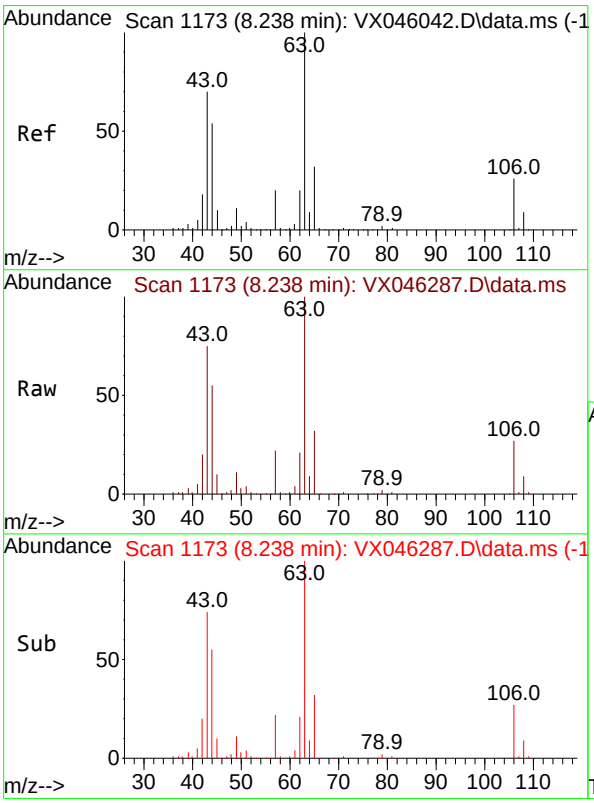
#57
1,3-Dichloropropane
Concen: 20.867 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 76 Resp: 37670

Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.3	39.5

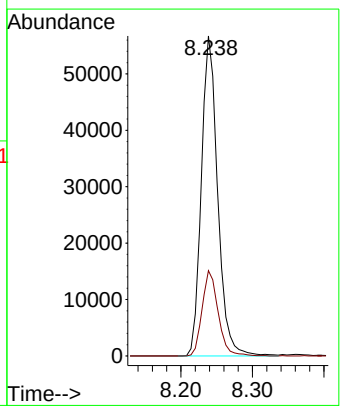


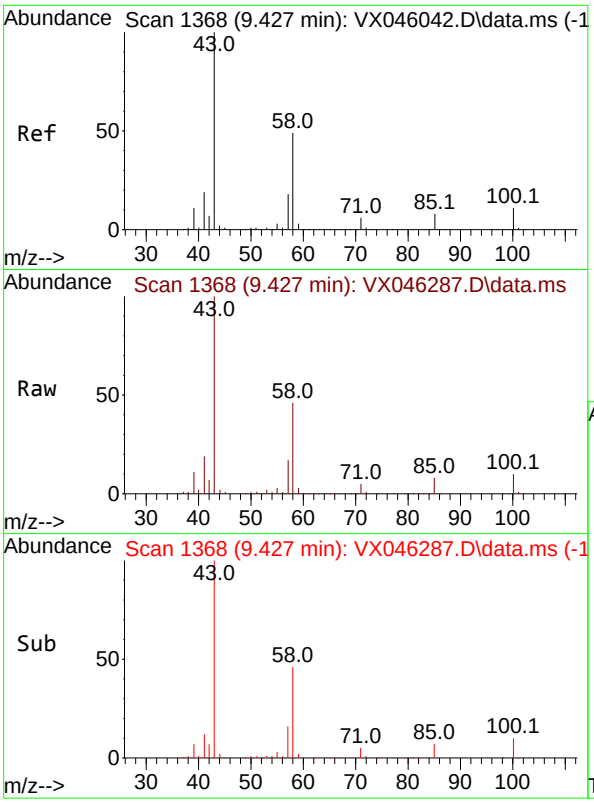


#58
2-Chloroethyl Vinyl ether
Concen: 110.253 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 63 Resp: 90048

Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.5	32.3



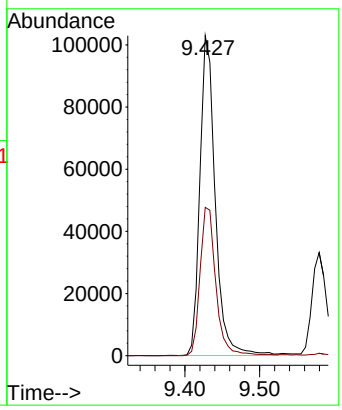


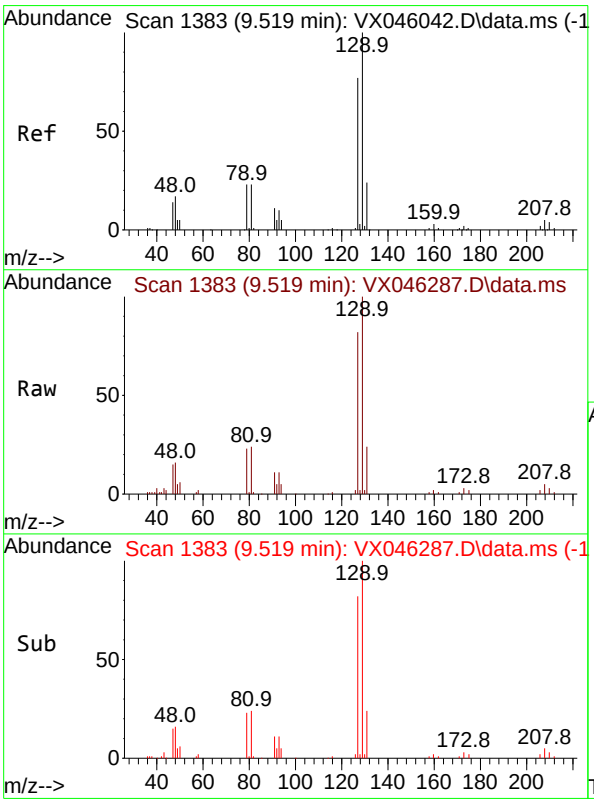
#59
2-Hexanone
Concen: 111.809 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 43 Resp: 146892

Ion	Ratio	Lower	Upper
43	100		
58	48.1	24.9	74.6

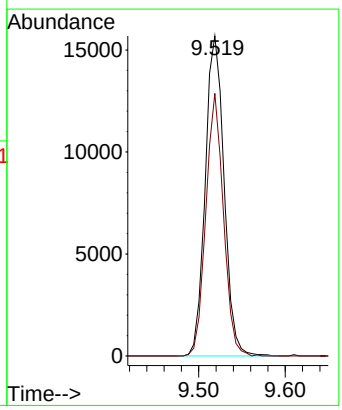


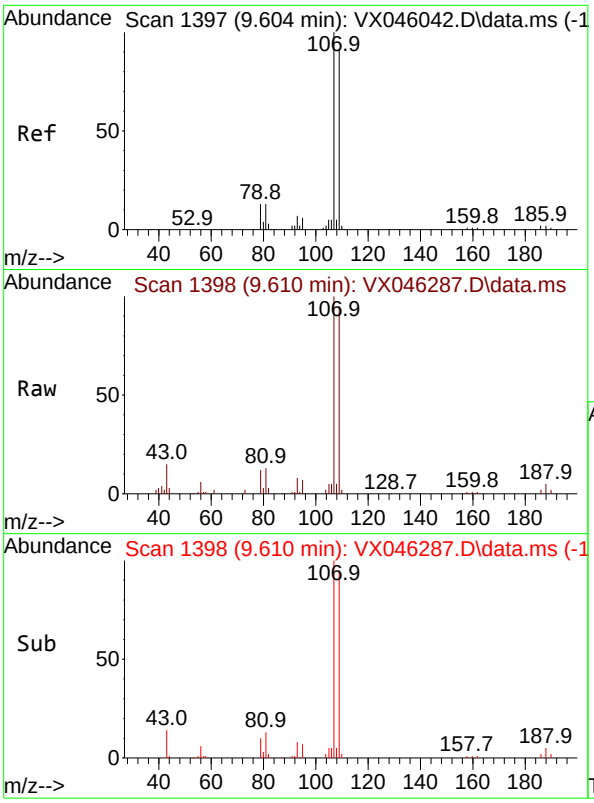


#60
Dibromochloromethane
Concen: 21.467 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:129 Resp: 23698

Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.3	117.8



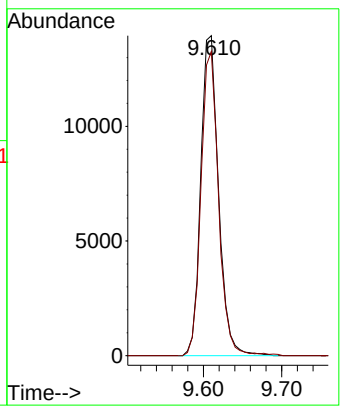


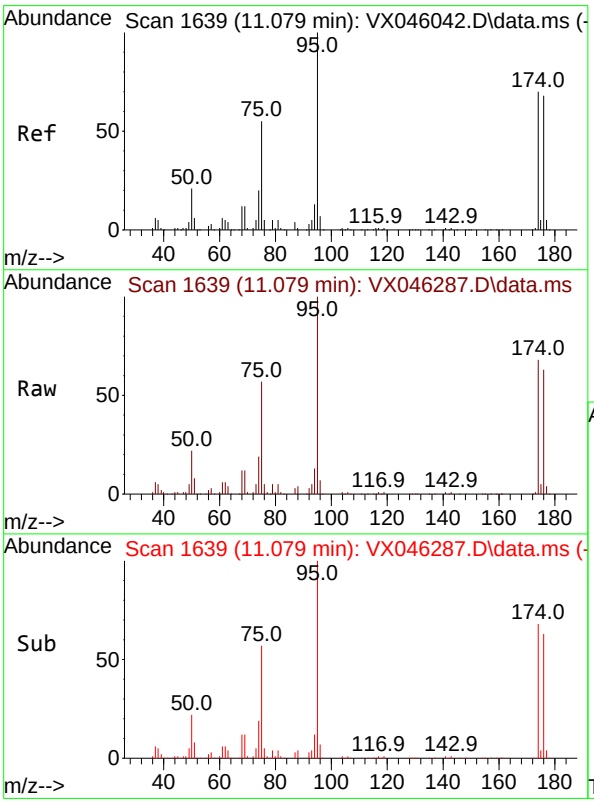
#61
1,2-Dibromoethane
Concen: 21.044 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:107 Resp: 21985

Ion	Ratio	Lower	Upper
107	100		
109	94.0	73.3	109.9

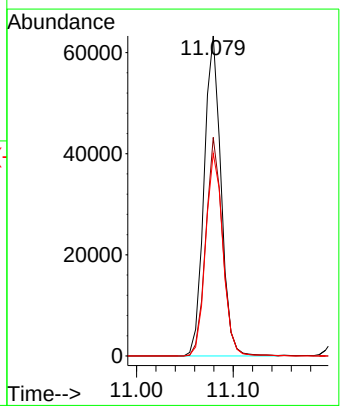


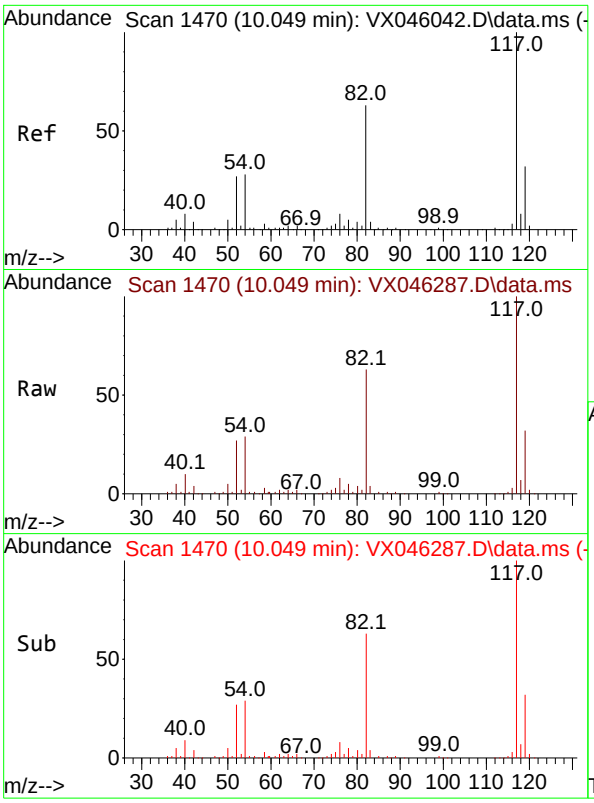


#62
4-Bromofluorobenzene
Concen: 55.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 95 Resp: 77180

Ion	Ratio	Lower	Upper
95	100		
174	67.4	0.0	135.8
176	64.5	0.0	131.4



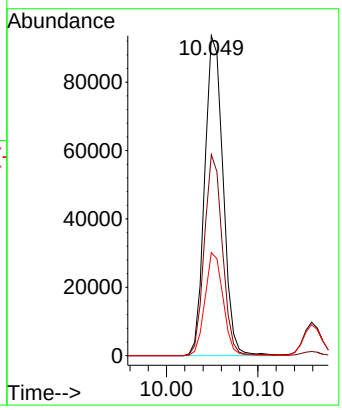


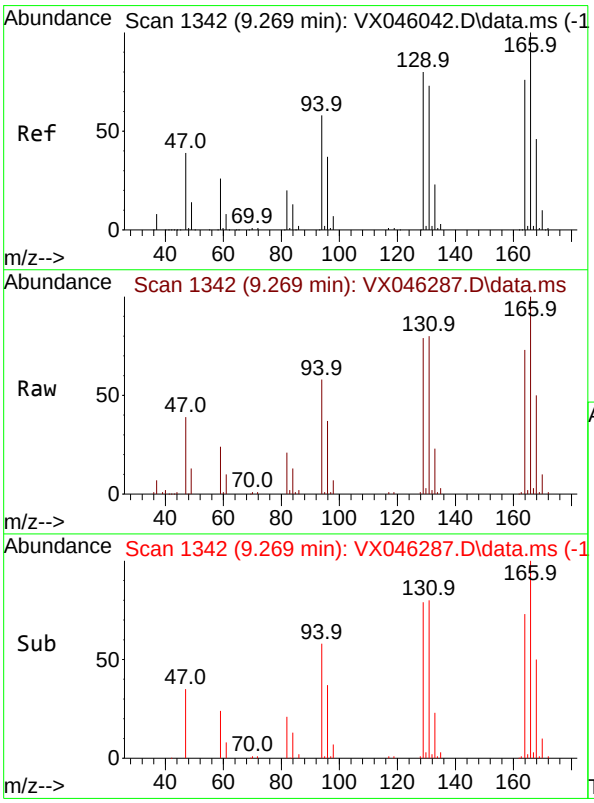
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:117 Resp: 130479

Ion	Ratio	Lower	Upper
117	100		
82	62.9	50.6	76.0
119	32.2	25.8	38.6

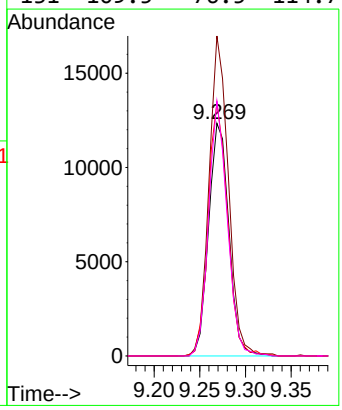


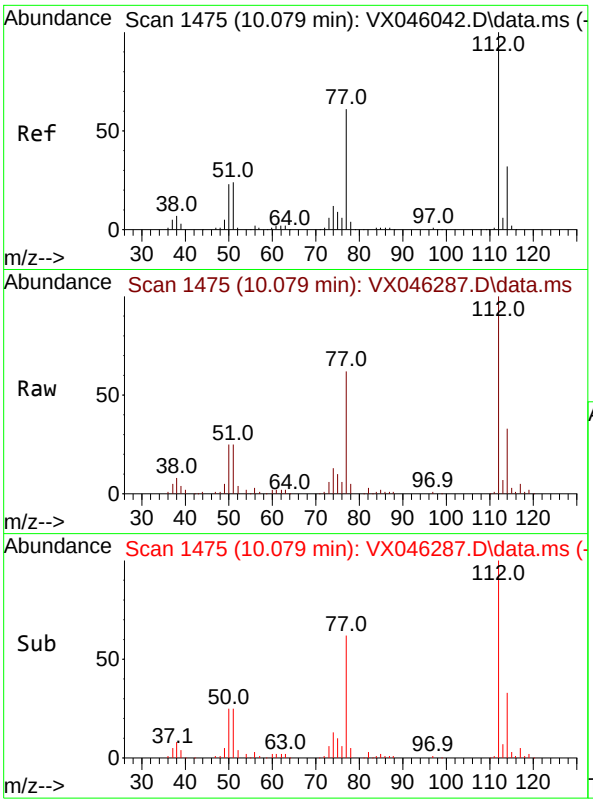


#64
Tetrachloroethene
Concen: 20.459 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:164 Resp: 18888

Ion	Ratio	Lower	Upper
164	100		
166	137.6	105.0	157.6
129	108.9	83.5	125.3
131	109.5	76.5	114.7



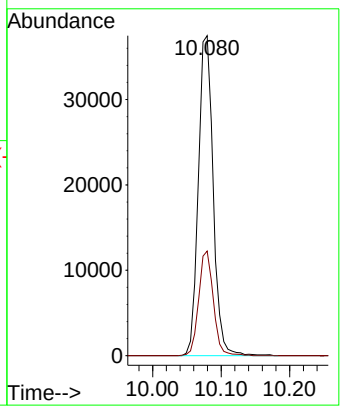


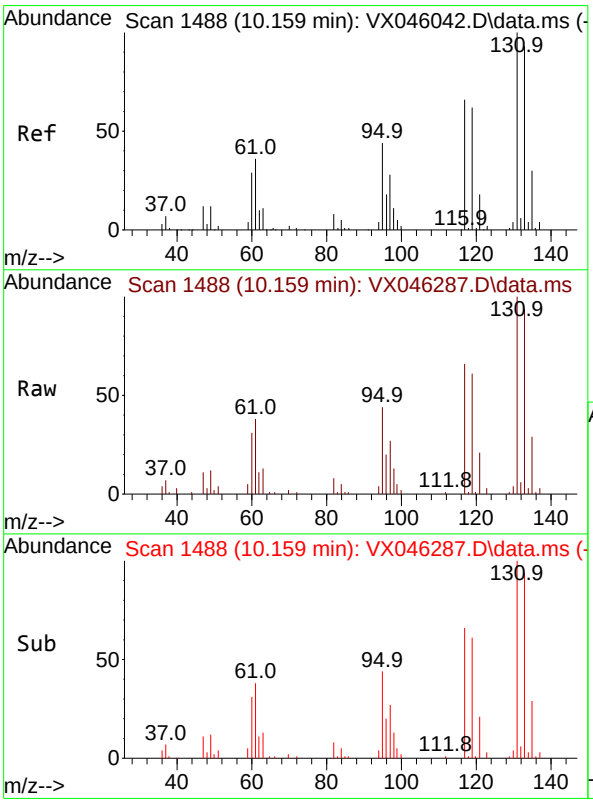
#65
Chlorobenzene
Concen: 19.813 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:112 Resp: 56582

Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.4	38.2

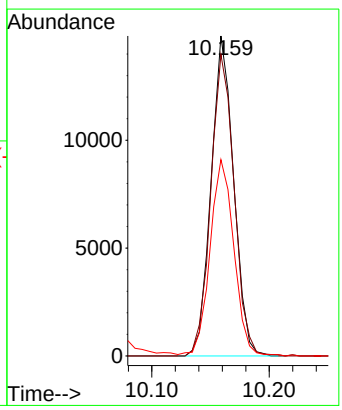


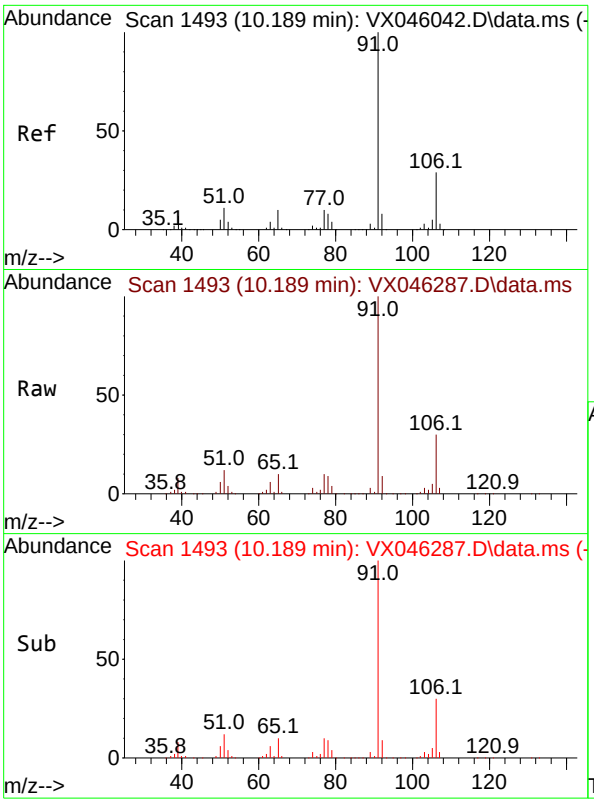


#66
1,1,1,2-Tetrachloroethane
Concen: 20.321 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:131 Resp: 19817

Ion	Ratio	Lower	Upper
131	100		
133	97.6	47.3	141.9
119	65.0	31.6	95.0



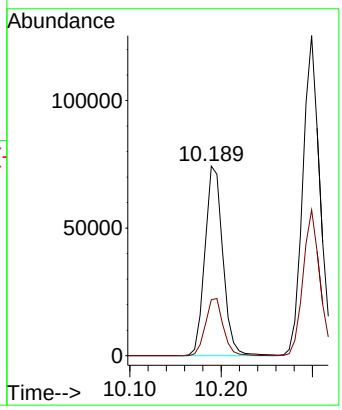


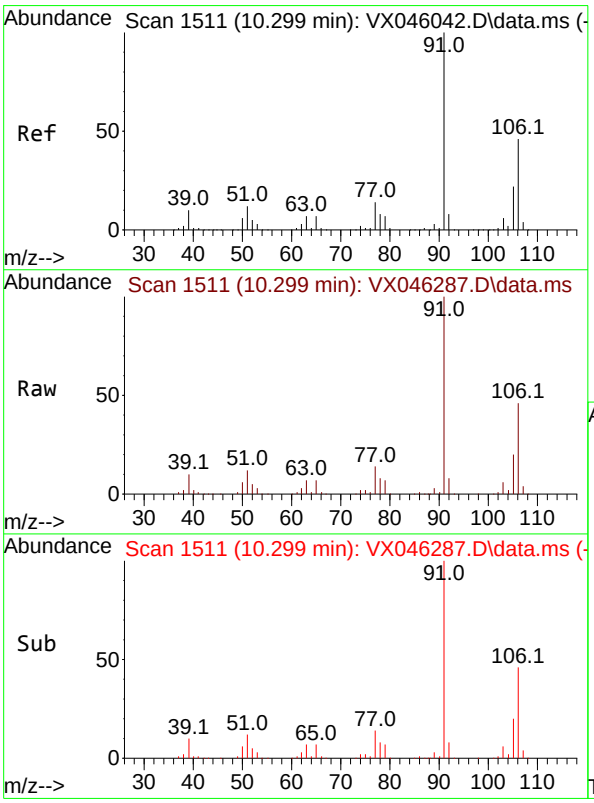
#67
Ethyl Benzene
Concen: 20.071 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 91 Resp: 101041

Ion	Ratio	Lower	Upper
91	100		
106	29.6	23.4	35.2

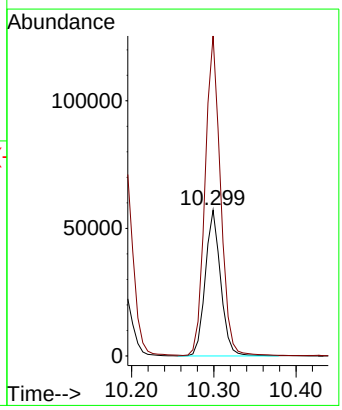


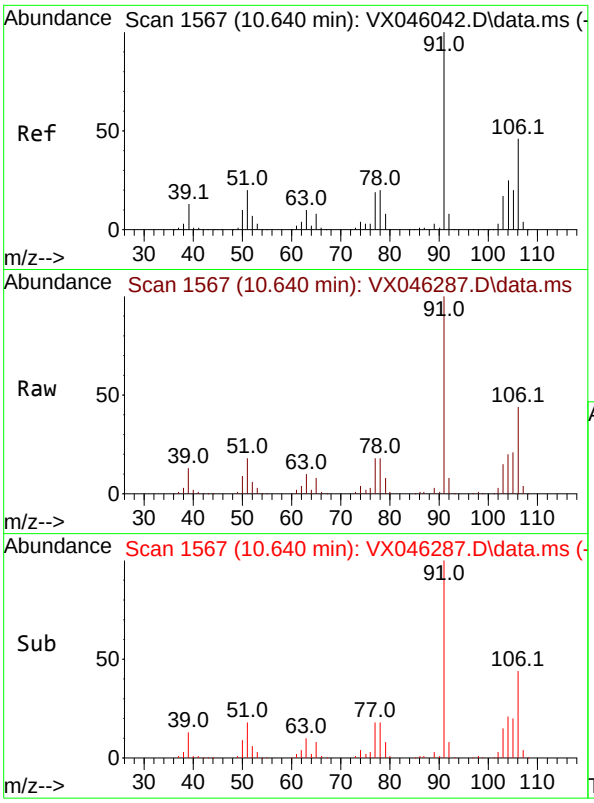


#68
m/p-Xylenes
Concen: 40.309 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:106 Resp: 74216

Ion	Ratio	Lower	Upper
106	100		
91	220.6	171.2	256.8



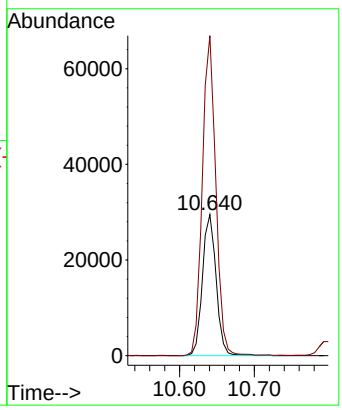


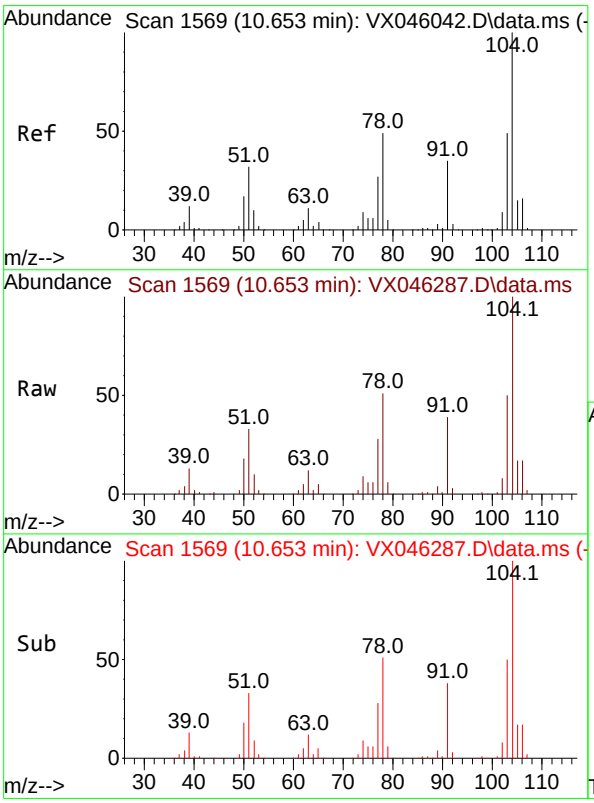
#69
o-Xylene
Concen: 20.882 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:106 Resp: 37483

Ion	Ratio	Lower	Upper
106	100		
91	224.0	112.7	338.1

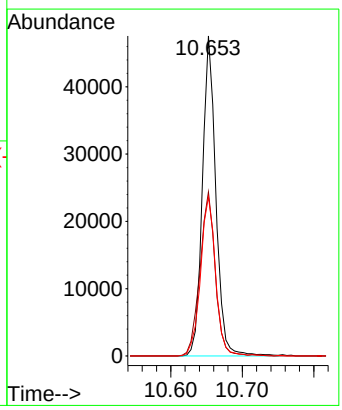


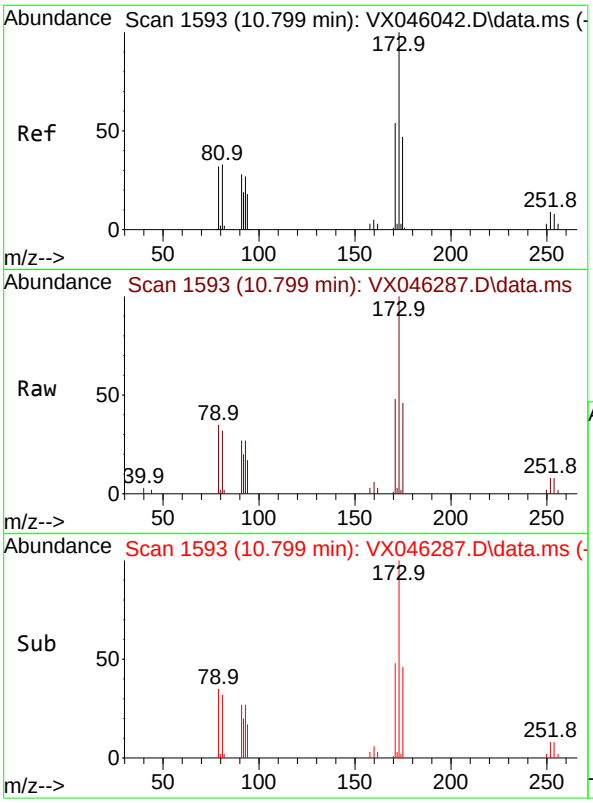


#70
Styrene
Concen: 21.194 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:104 Resp: 62320

Ion	Ratio	Lower	Upper
104	100		
78	58.0	45.7	68.5
103	55.7	43.7	65.5



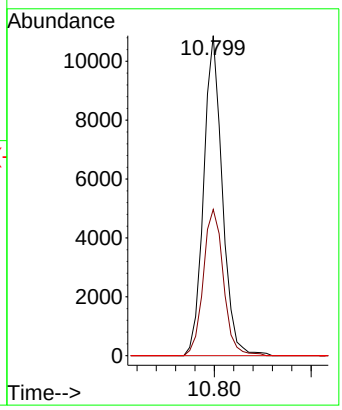


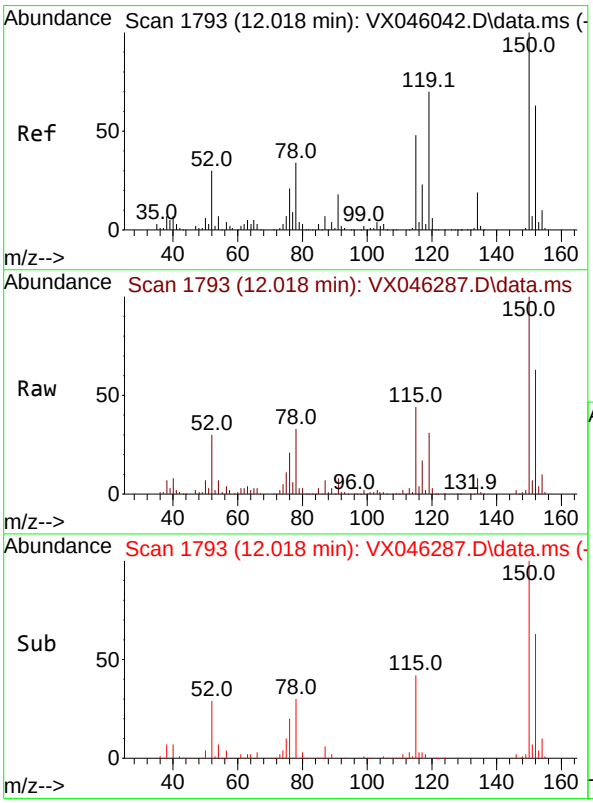
#71
Bromoform
Concen: 19.934 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:173 Resp: 14595

Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.4	70.0
254	0.0	0.0	0.0

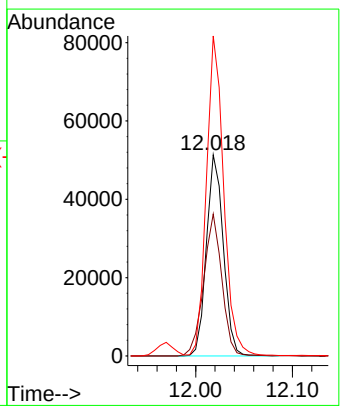


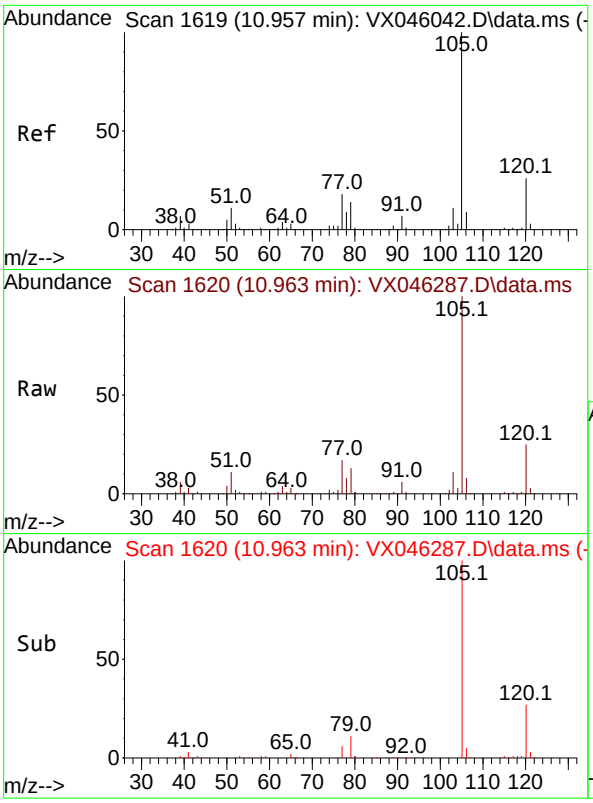


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:152 Resp: 62651

Ion	Ratio	Lower	Upper
152	100		
115	75.7	46.9	140.7
150	162.2	0.0	351.0



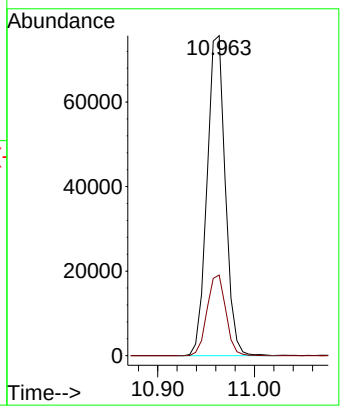


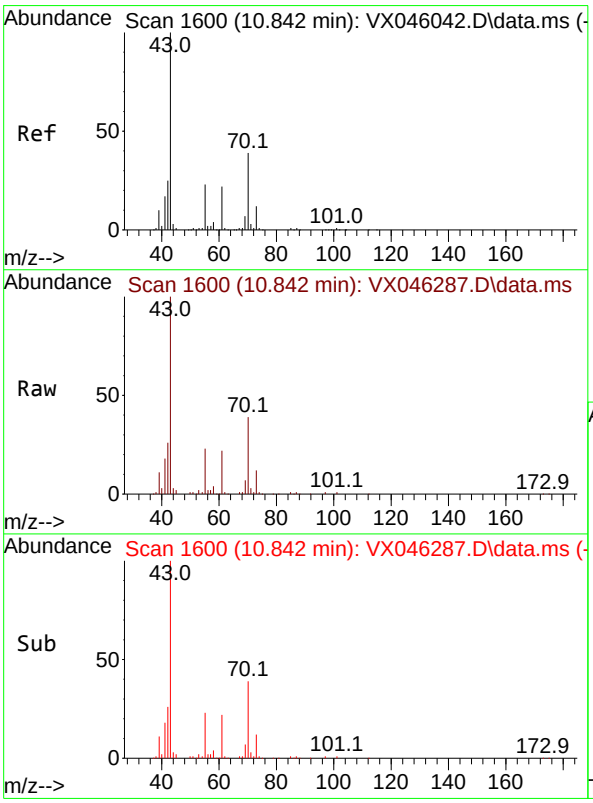
#73
Isopropylbenzene
Concen: 20.380 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:105 Resp: 99407

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.8	38.4

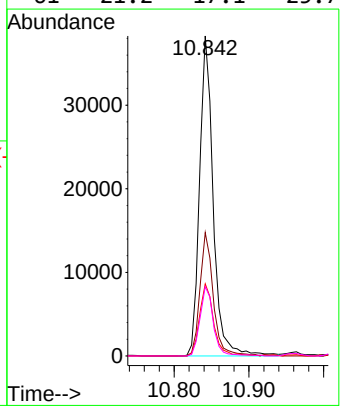


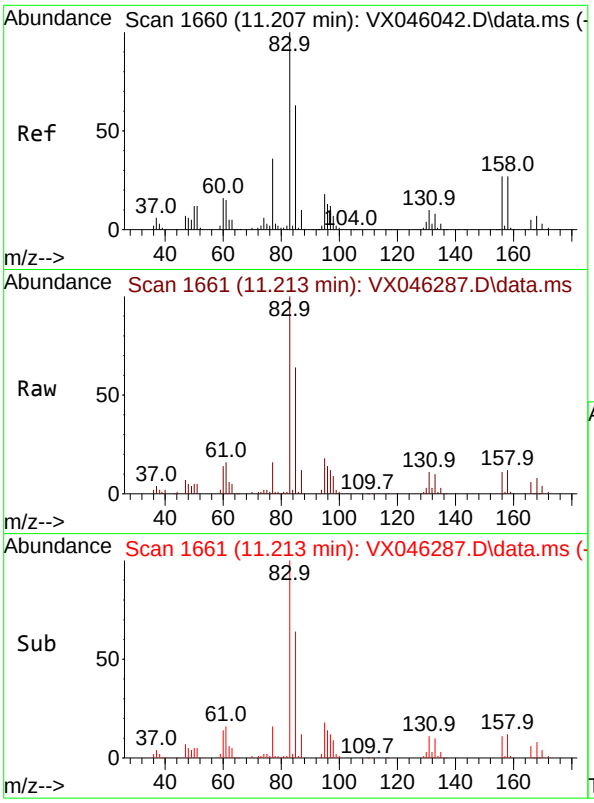


#74
N-amyl acetate
Concen: 20.193 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 43 Resp: 48670

Ion	Ratio	Lower	Upper
43	100		
70	37.5	30.9	46.3
55	23.3	18.7	28.1
61	21.2	17.1	25.7



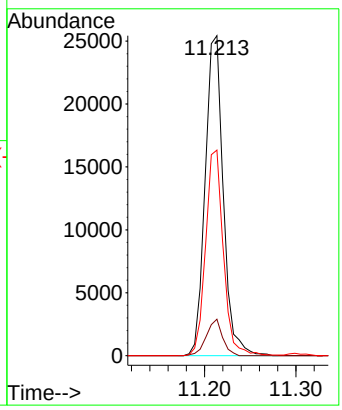


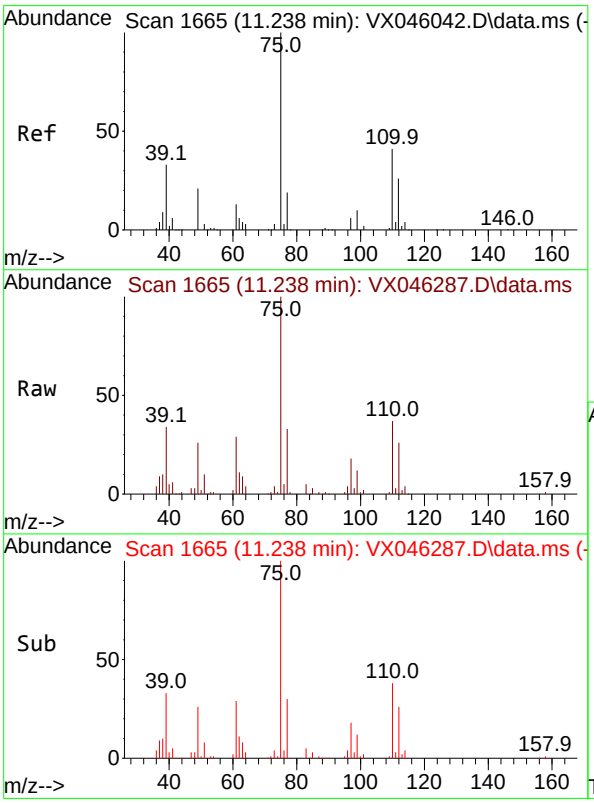
#75
1,1,2,2-Tetrachloroethane
Concen: 20.427 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 83 Resp: 34915

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	14.9
85	63.1	31.9	95.7

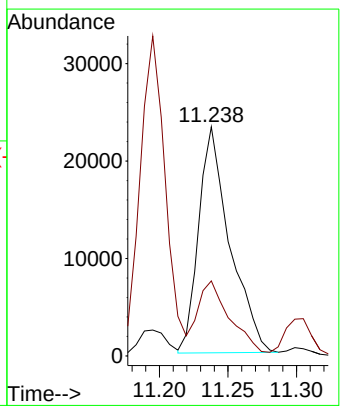


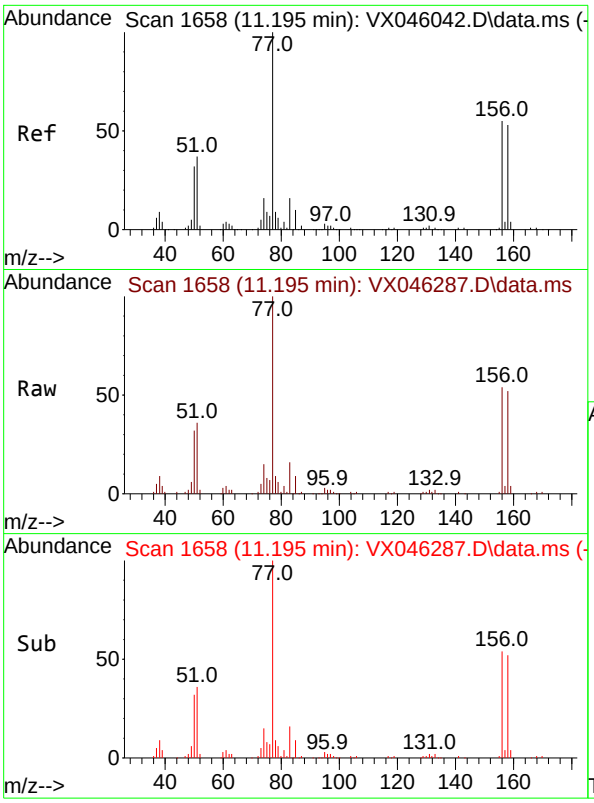


#76
1,2,3-Trichloropropane
Concen: 24.342 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 75 Resp: 36708

Ion	Ratio	Lower	Upper
75	100		
77	35.3	20.5	61.5



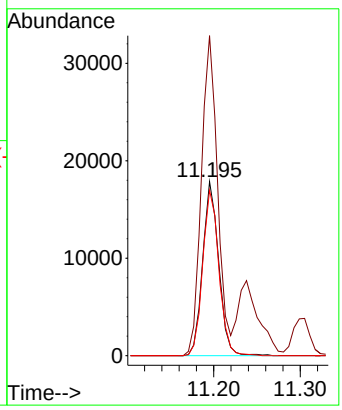


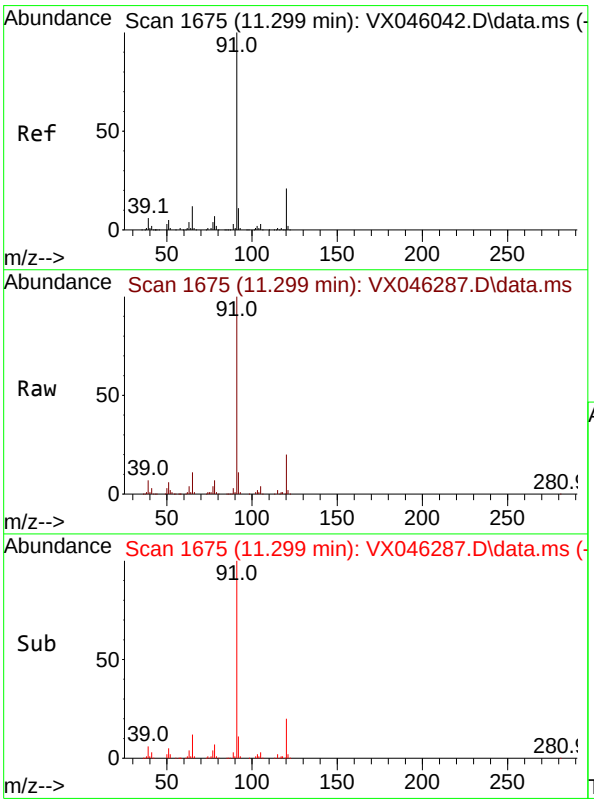
#77
Bromobenzene
Concen: 20.285 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:156 Resp: 22971

Ion	Ratio	Lower	Upper
156	100		
77	185.3	92.8	278.3
158	96.3	48.8	146.3

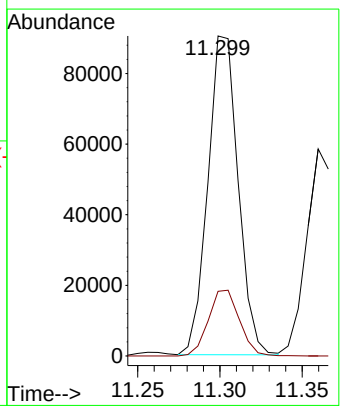


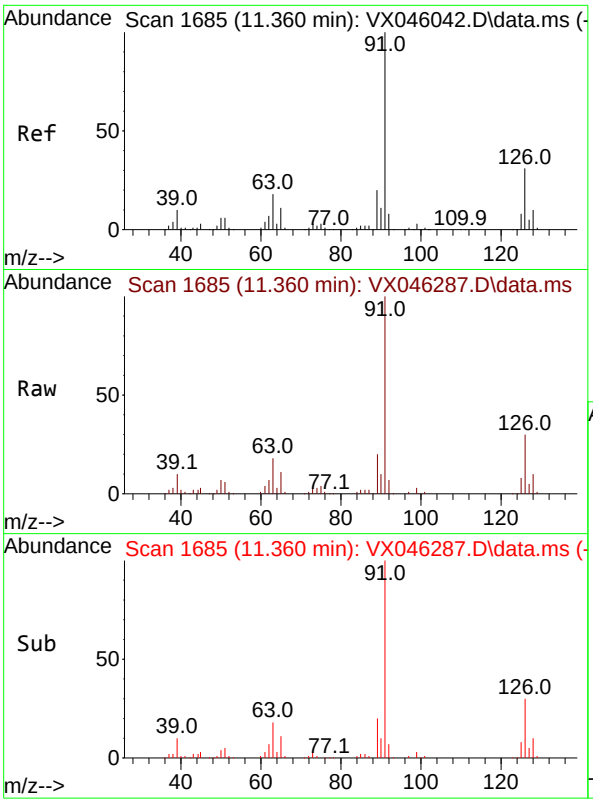


#78
n-propylbenzene
Concen: 20.405 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 91 Resp: 115726

Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.8	32.4



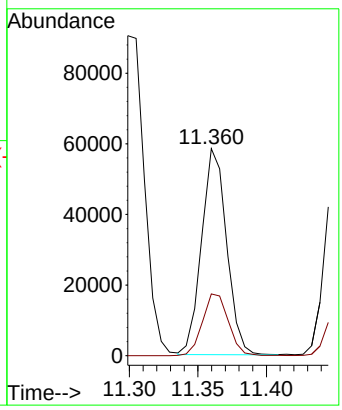


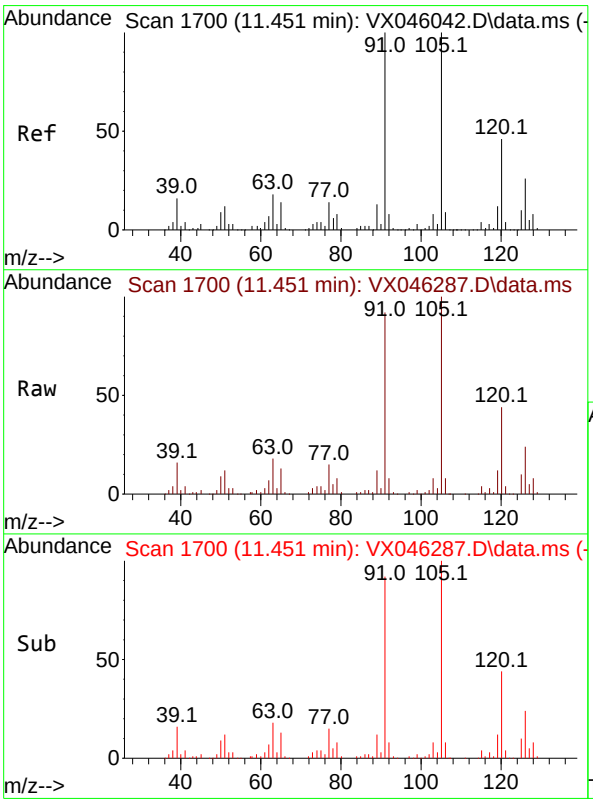
#79
2-Chlorotoluene
Concen: 20.320 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 91 Resp: 74331

Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.7

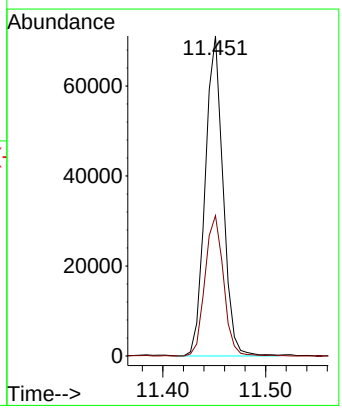


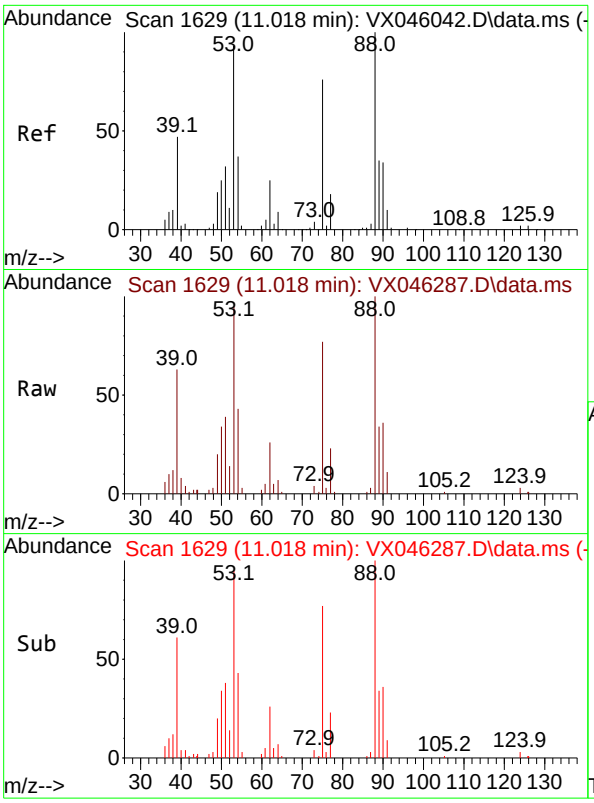


#80
1,3,5-Trimethylbenzene
Concen: 21.070 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:105 Resp: 85859

Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.1	69.2



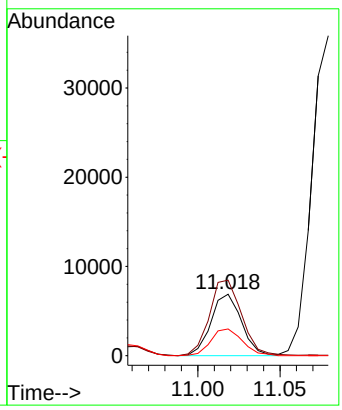


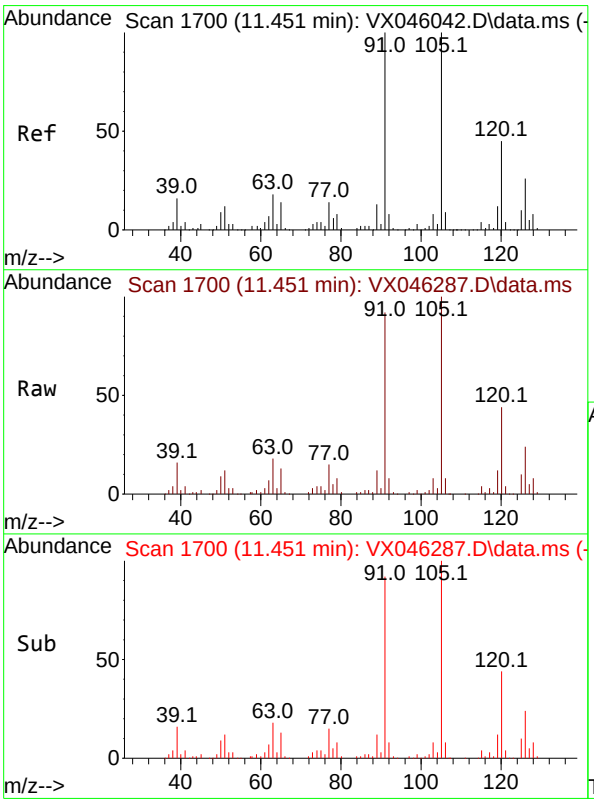
#81
trans-1,4-Dichloro-2-butene
Concen: 19.287 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 75 Resp: 8934

Ion	Ratio	Lower	Upper
75	100		
53	130.2	100.5	150.7
89	44.9	37.0	55.6

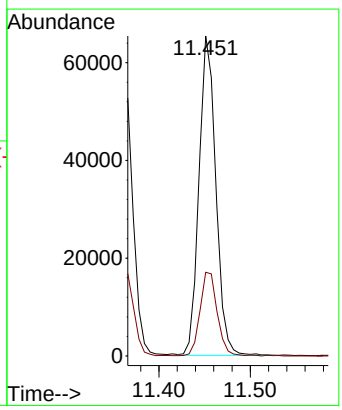


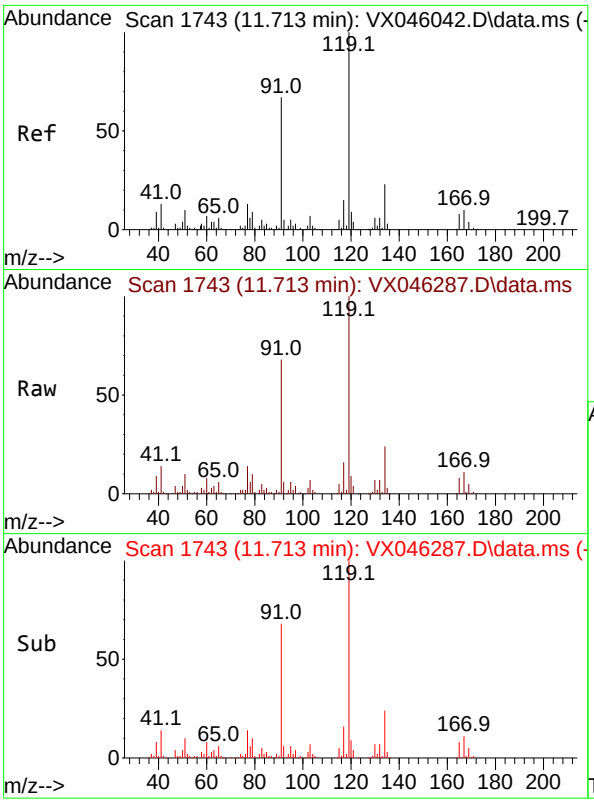


#82
4-Chlorotoluene
Concen: 20.550 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 91 Resp: 83363

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.8



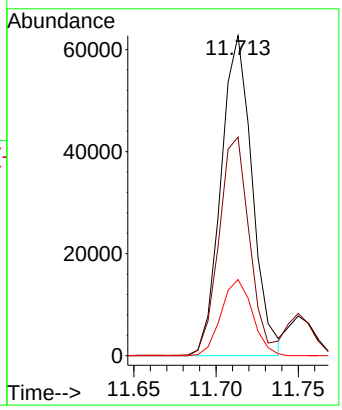


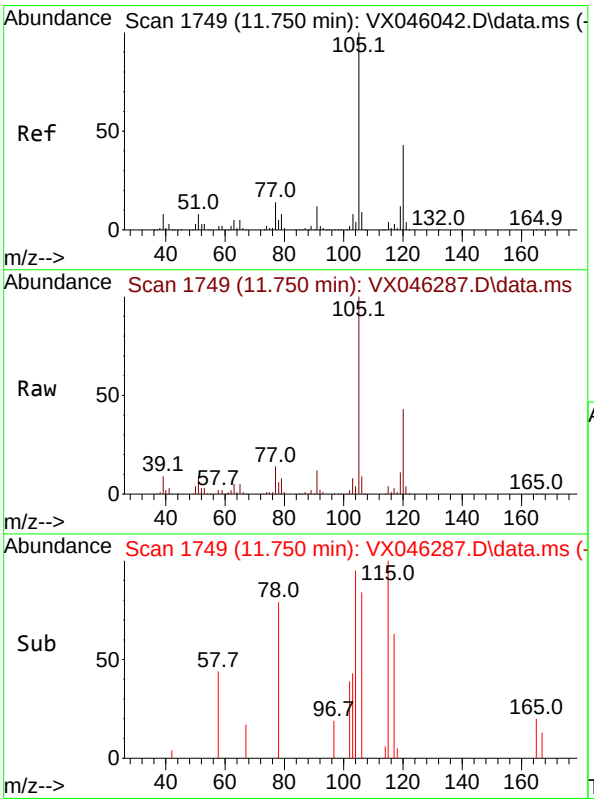
#83
tert-Butylbenzene
Concen: 20.208 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:119 Resp: 82945

Ion	Ratio	Lower	Upper
119	100		
91	67.2	32.9	98.7
134	23.8	11.4	34.1

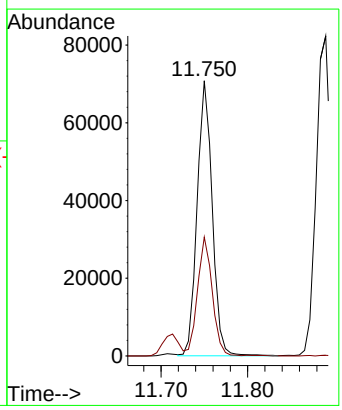


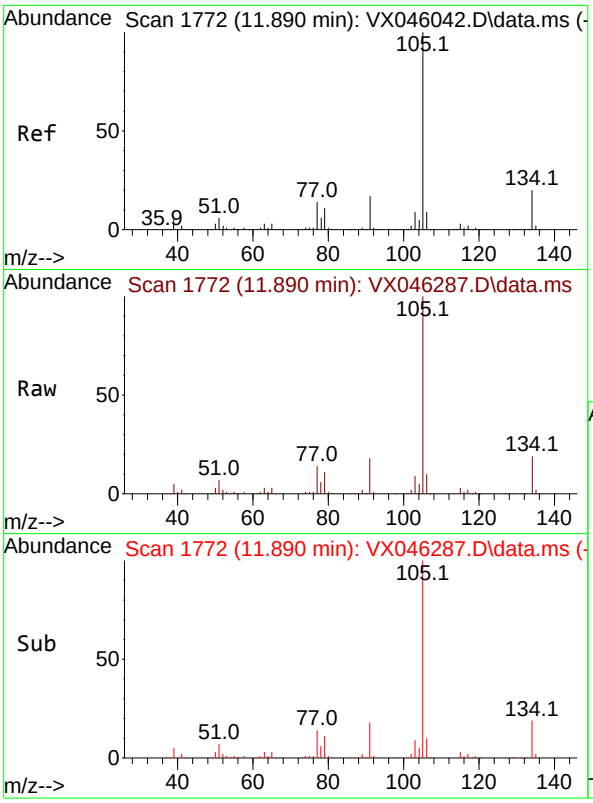


#84
1,2,4-Trimethylbenzene
Concen: 20.726 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:105 Resp: 85525

Ion	Ratio	Lower	Upper
105	100		
120	42.8	21.2	63.6



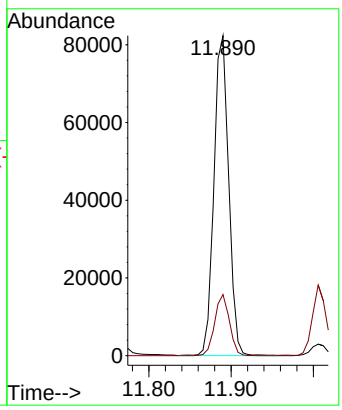


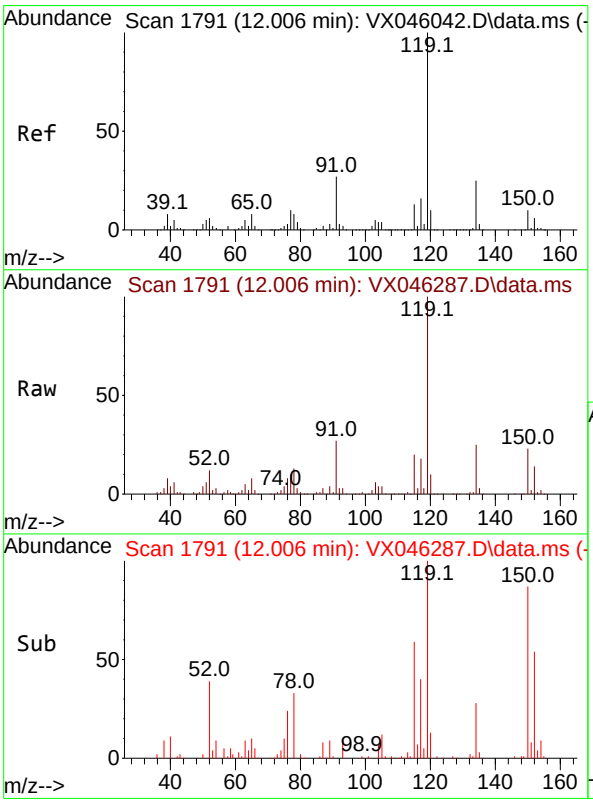
#85
sec-Butylbenzene
Concen: 20.349 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:105 Resp: 102551

Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.7	29.1

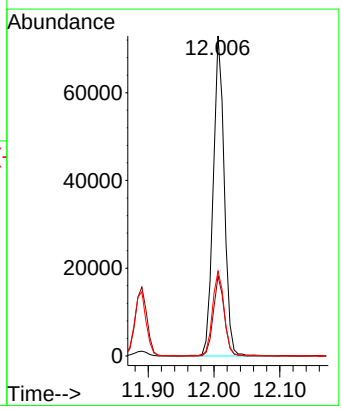


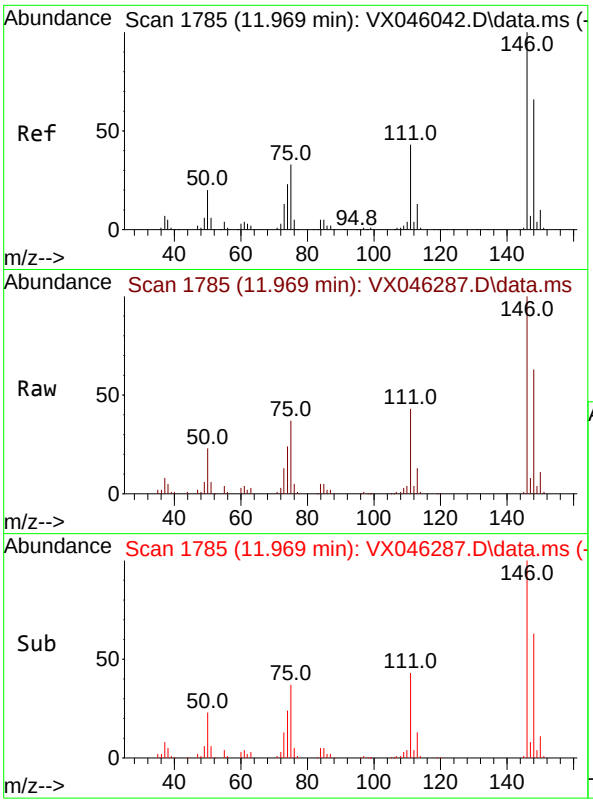


#86
p-Isopropyltoluene
Concen: 20.514 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:119 Resp: 85338

Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.5	37.5
91	27.8	13.8	41.4



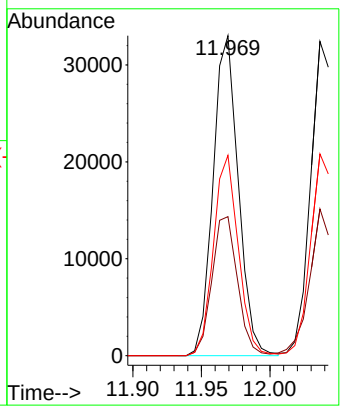


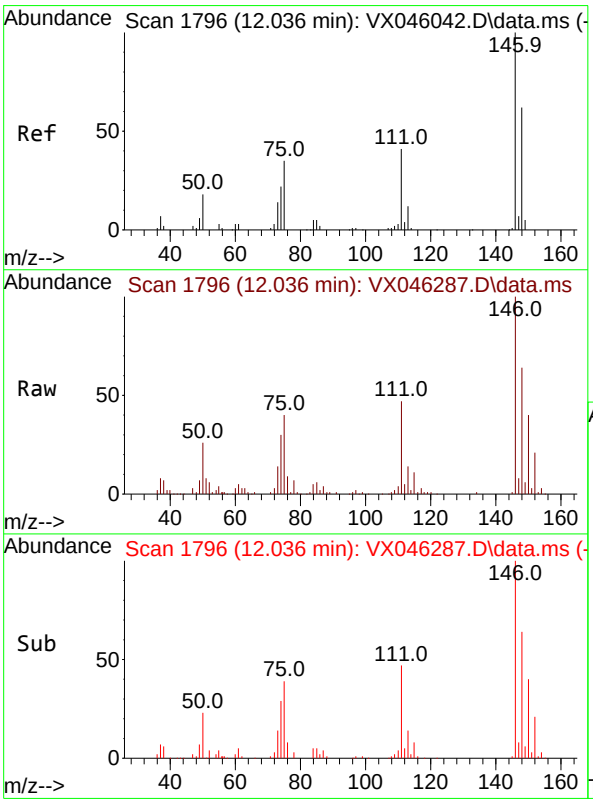
#87
1,3-Dichlorobenzene
Concen: 20.468 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:146 Resp: 42301

Ion	Ratio	Lower	Upper
146	100		
111	44.2	22.1	66.3
148	61.6	32.1	96.5

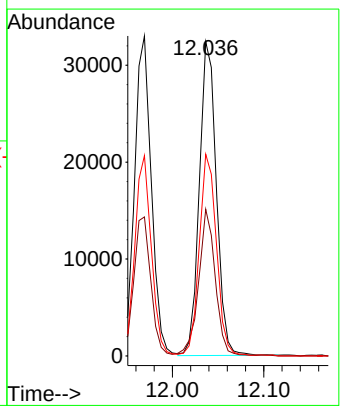


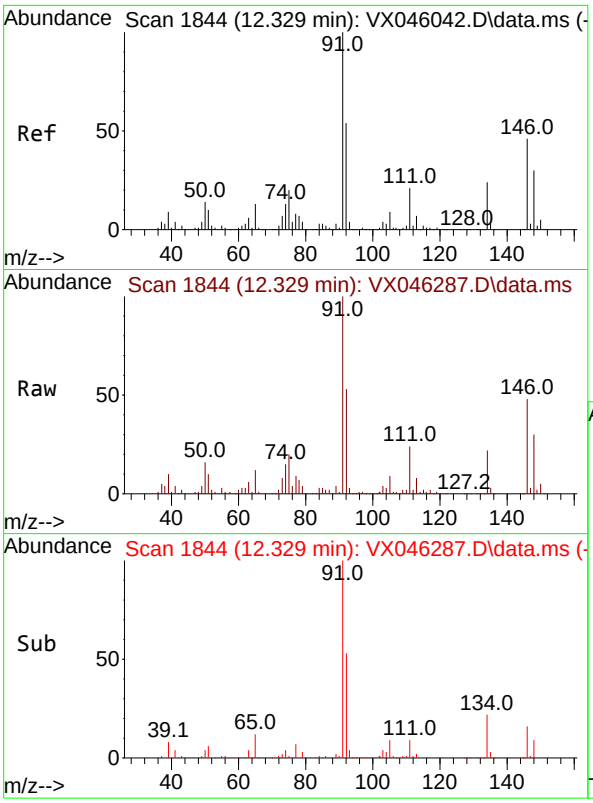


#88
1,4-Dichlorobenzene
Concen: 19.797 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:146 Resp: 41784

Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.3	63.9
148	64.4	31.9	95.5



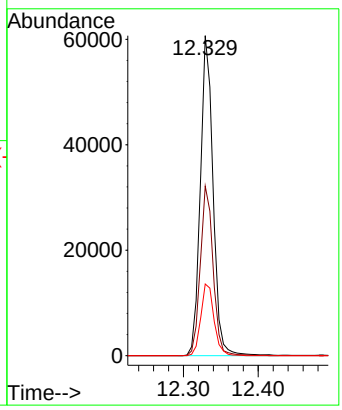


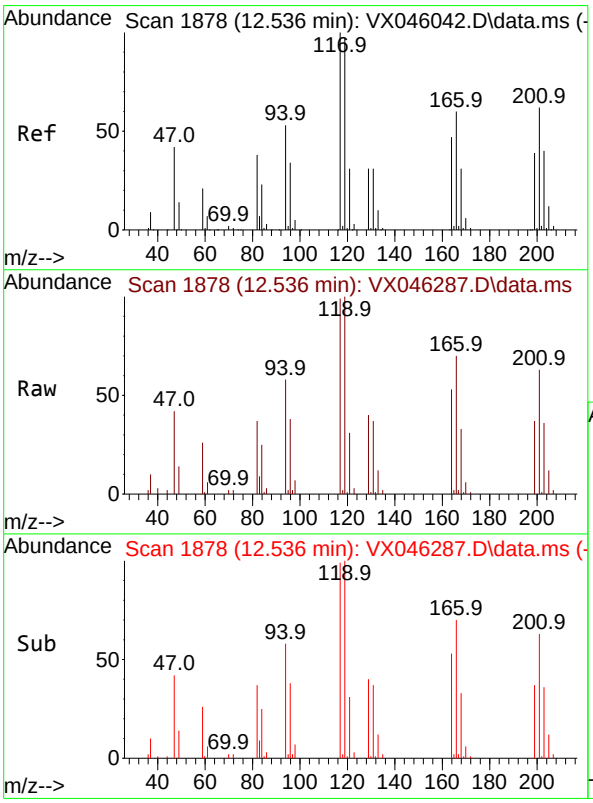
#89
n-Butylbenzene
Concen: 19.656 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion: 91 Resp: 71724

Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.9	80.7
134	23.3	11.8	35.3

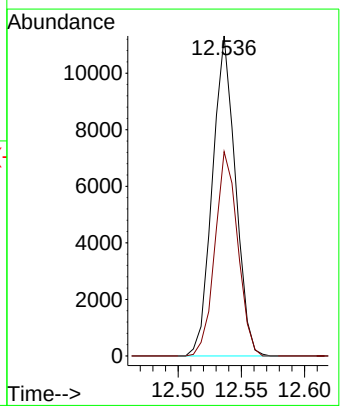


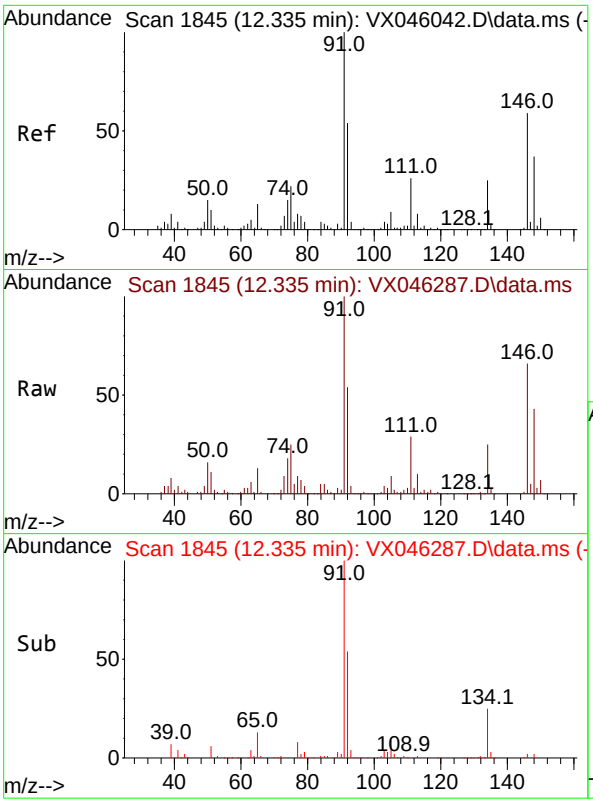


#90
Hexachloroethane
Concen: 19.520 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:117 Resp: 14306

Ion	Ratio	Lower	Upper
117	100		
201	63.1	31.6	94.7



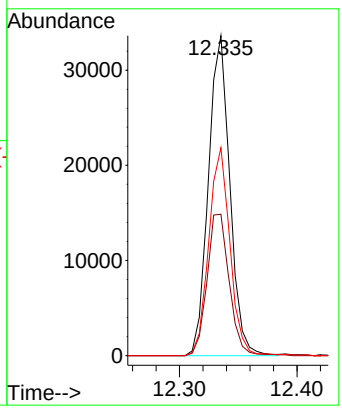


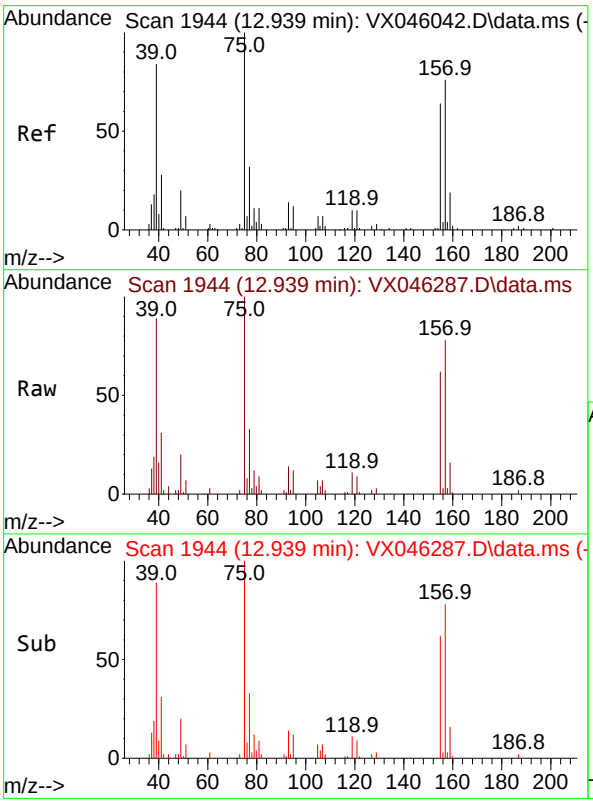
#91
1,2-Dichlorobenzene
Concen: 20.529 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:146 Resp: 42574

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.4	67.3
148	64.3	31.6	94.8

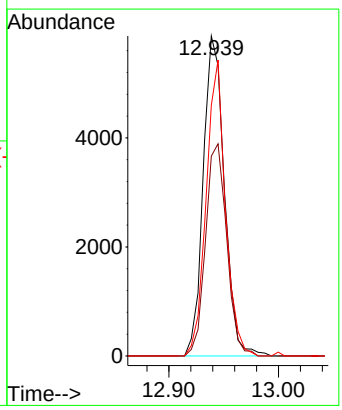


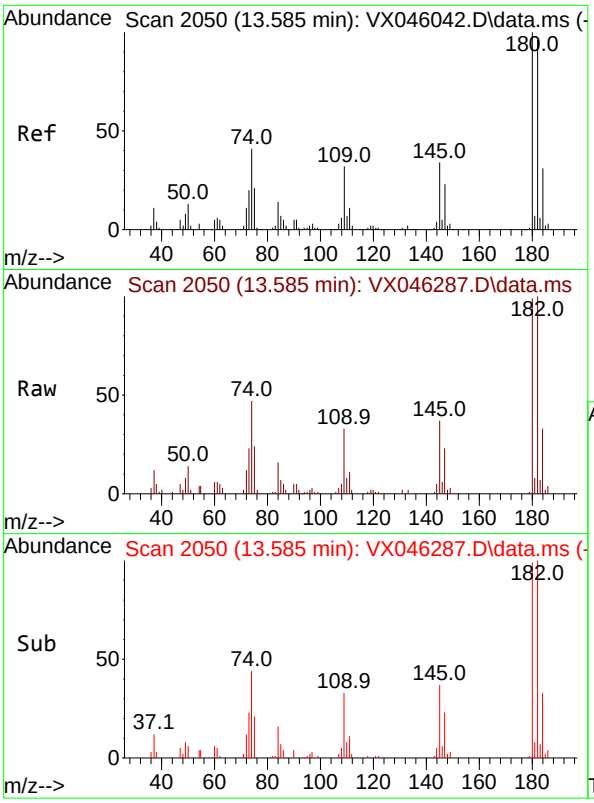


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.757 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion: 75 Resp: 7860

Ion	Ratio	Lower	Upper
75	100		
155	66.5	34.9	104.8
157	84.2	43.8	131.4



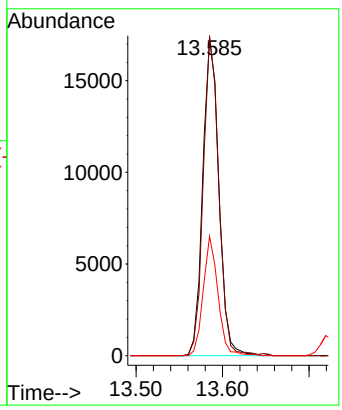


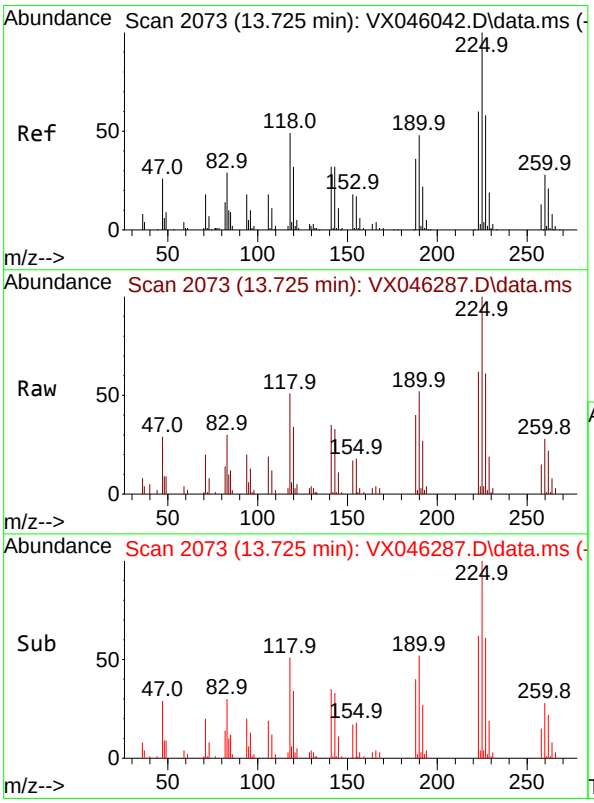
#93
1,2,4-Trichlorobenzene
Concen: 18.785 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:180 Resp: 22376

Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.9	143.8
145	34.4	17.1	51.2

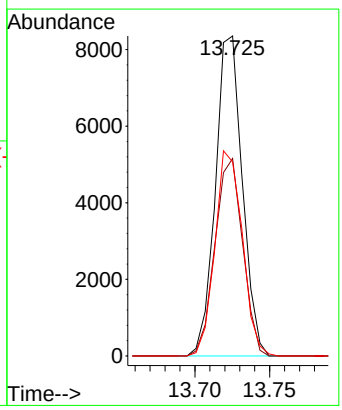


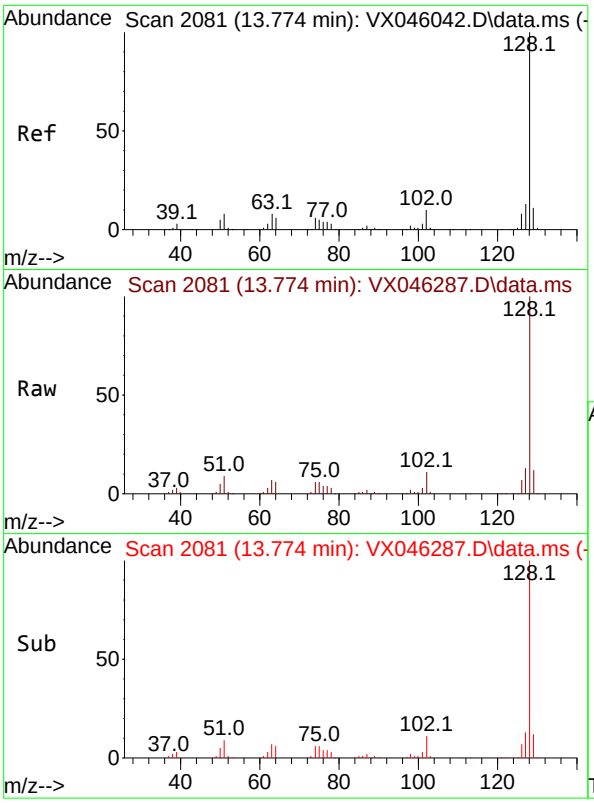


#94
Hexachlorobutadiene
Concen: 20.103 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:225 Resp: 10458

Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.8	92.4
227	65.2	30.9	92.7



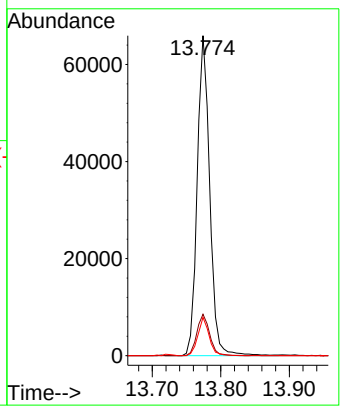


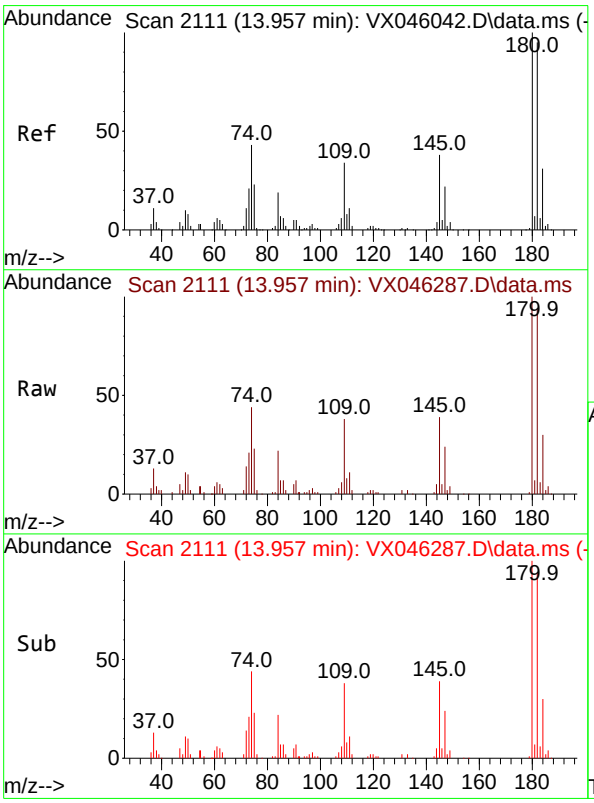
#95
Naphthalene
Concen: 19.190 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Instrument :
MSVOA_X
ClientSampleId :
VX0521WBS01

Tgt Ion:128 Resp: 83835

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

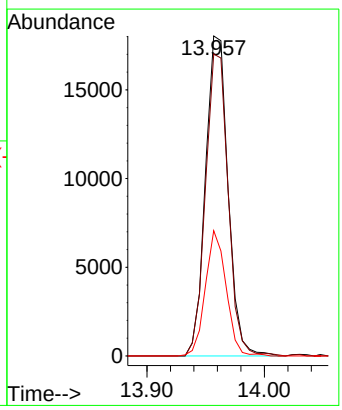




#96
1,2,3-Trichlorobenzene
Concen: 19.602 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046287.D
Acq: 21 May 2025 11:09

Tgt Ion:180 Resp: 24092

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	36.0	18.1	54.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046307.D
Acq On : 21 May 2025 18:58
Operator : JC/MD
Sample : Q2082-10MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Quant Time: May 22 01:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	78978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	141460	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78357	53.217	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125			Recovery = 106.440%		
35) Dibromofluoromethane	5.379	113	53550	52.569	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124			Recovery = 105.140%		
50) Toluene-d8	8.647	98	180789	51.277	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113			Recovery = 102.560%		
62) 4-Bromofluorobenzene	11.079	95	70515	52.140	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121			Recovery = 104.280%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	59216	48.987	ug/l	98
3) Chloromethane	1.301	50	64817	55.293	ug/l	98
4) Vinyl Chloride	1.374	62	57358	52.574	ug/l	99
5) Bromomethane	1.593	94	25896	51.176	ug/l	99
6) Chloroethane	1.666	64	33674	57.817	ug/l	98
7) Trichlorofluoromethane	1.874	101	86629	53.727	ug/l	99
8) Diethyl Ether	2.136	74	30526	55.614	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	48093	48.198	ug/l	98
10) Methyl Iodide	2.447	142	65628	55.584	ug/l	98
11) Tert butyl alcohol	2.977	59	63665	308.035	ug/l	100
12) 1,1-Dichloroethene	2.313	96	50893	54.345	ug/l	99
13) Acrolein	2.233	56	77501	329.263	ug/l	100
14) Allyl chloride	2.660	41	101853	56.908	ug/l	97
15) Acrylonitrile	3.062	53	177463	300.281	ug/l	98
16) Acetone	2.386	43	172861	292.804	ug/l	98
17) Carbon Disulfide	2.502	76	110641	49.834	ug/l	100
18) Methyl Acetate	2.703	43	85283	62.252	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	186782	56.889	ug/l	98
20) Methylene Chloride	2.782	84	59984	53.021	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	51220	54.387	ug/l	95
22) Diisopropyl ether	3.757	45	199564	57.724	ug/l	99
23) Vinyl Acetate	3.721	43	811524	266.882	ug/l	99
24) 1,1-Dichloroethane	3.605	63	110034	57.143	ug/l	99
25) 2-Butanone	4.556	43	259427	302.686	ug/l	100
26) 2,2-Dichloropropane	4.465	77	70914	47.051	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	62570	55.189	ug/l	99
28) Bromochloromethane	4.891	49	48498	52.324	ug/l	98
29) Tetrahydrofuran	5.001	42	161890	301.432	ug/l	98
30) Chloroform	5.086	83	114234	56.916	ug/l	99
31) Cyclohexane	5.464	56	90799	51.745	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	96610	55.528	ug/l	99
36) 1,1-Dichloropropene	5.684	75	72363	52.871	ug/l	99
37) Ethyl Acetate	4.715	43	89154	52.723	ug/l	99
38) Carbon Tetrachloride	5.672	117	81986	53.313	ug/l	98
39) Methylcyclohexane	7.373	83	80838	45.877	ug/l	98
40) Benzene	6.031	78	221627	55.283	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046307.D
Acq On : 21 May 2025 18:58
Operator : JC/MD
Sample : Q2082-10MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Quant Time: May 22 01:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	55484	62.723	ug/l		98
42) 1,2-Dichloroethane	6.080	62	96805	55.949	ug/l		99
43) Isopropyl Acetate	6.336	43	142220	55.130	ug/l		99
44) Trichloroethene	7.123	130	51875	53.763	ug/l		97
45) 1,2-Dichloropropane	7.427	63	56803	56.982	ug/l		99
46) Dibromomethane	7.580	93	43141	54.871	ug/l		99
47) Bromodichloromethane	7.818	83	88182	56.945	ug/l		98
48) Methyl methacrylate	7.690	41	79019	59.977	ug/l		97
49) 1,4-Dioxane	7.659	88	31607	1263.501	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	514194	300.280	ug/l		98
52) Toluene	8.714	92	136159	55.389	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	74631	54.221	ug/l		98
54) cis-1,3-Dichloropropene	8.360	75	82745	54.392	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	54138	55.853	ug/l		95
56) Ethyl methacrylate	9.116	69	90607	58.651	ug/l		98
57) 1,3-Dichloropropane	9.305	76	96432	55.396	ug/l		98
59) 2-Hexanone	9.427	43	378895	299.078	ug/l		100
60) Dibromochloromethane	9.519	129	61088	57.386	ug/l		99
61) 1,2-Dibromoethane	9.604	107	56278	55.862	ug/l		99
64) Tetrachloroethene	9.269	164	46842	52.259	ug/l		96
65) Chlorobenzene	10.073	112	145499	52.474	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	50755	53.606	ug/l		98
67) Ethyl Benzene	10.189	91	265445	54.309	ug/l		99
68) m/p-Xylenes	10.299	106	191957	107.381	ug/l		97
69) o-Xylene	10.640	106	95278	54.671	ug/l		97
70) Styrene	10.653	104	155904	54.610	ug/l		99
71) Bromoform	10.799	173	37983	53.433	ug/l	#	96
73) Isopropylbenzene	10.957	105	253501	56.332	ug/l		100
74) N-amyl acetate	10.842	43	120099	54.008	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	84712	53.717	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	95318	68.508	ug/l		85
77) Bromobenzene	11.195	156	57095	54.649	ug/l		99
78) n-propylbenzene	11.299	91	296726	56.708	ug/l		99
79) 2-Chlorotoluene	11.360	91	185527	54.971	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	211600	56.283	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	22554	52.775	ug/l		99
82) 4-Chlorotoluene	11.451	91	208231	55.636	ug/l		99
83) tert-Butylbenzene	11.713	119	208936	55.173	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	211945	55.669	ug/l		100
85) sec-Butylbenzene	11.890	105	259376	55.783	ug/l		99
86) p-Isopropyltoluene	12.006	119	212388	55.338	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	103199	54.123	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	102282	52.526	ug/l		99
89) n-Butylbenzene	12.329	91	181190	53.820	ug/l		99
90) Hexachloroethane	12.536	117	36535	54.032	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	103043	53.854	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19932	57.053	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	54008	49.144	ug/l		99
94) Hexachlorobutadiene	13.719	225	22295	46.451	ug/l		98
95) Naphthalene	13.774	128	209276	51.921	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	57612	50.806	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046307.D
Acq On : 21 May 2025 18:58
Operator : JC/MD
Sample : Q2082-10MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Quant Time: May 22 01:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

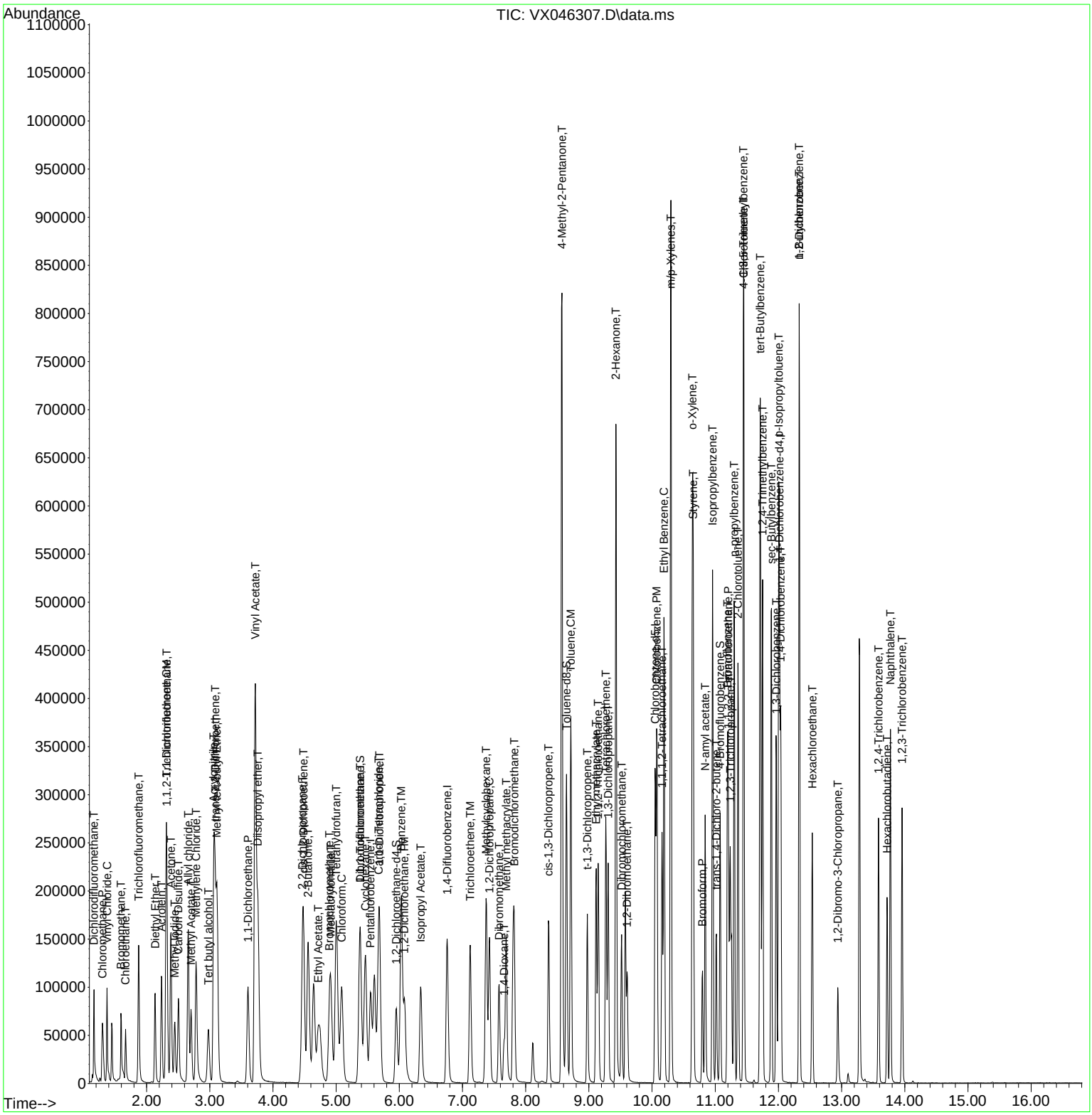
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

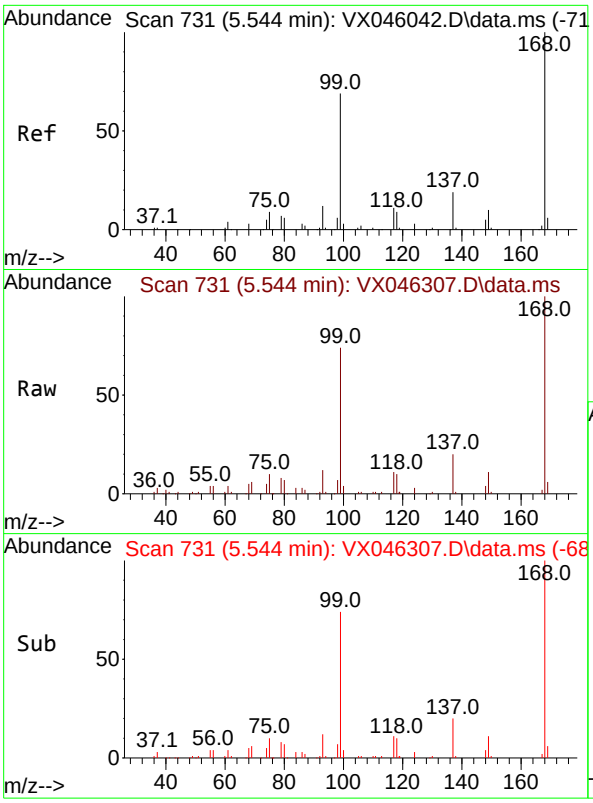
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046307.D
Acq On : 21 May 2025 18:58
Operator : JC/MD
Sample : Q2082-10MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Quant Time: May 22 01:54:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



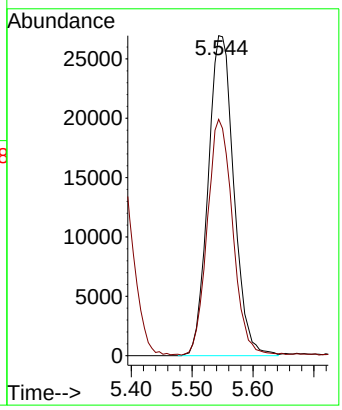


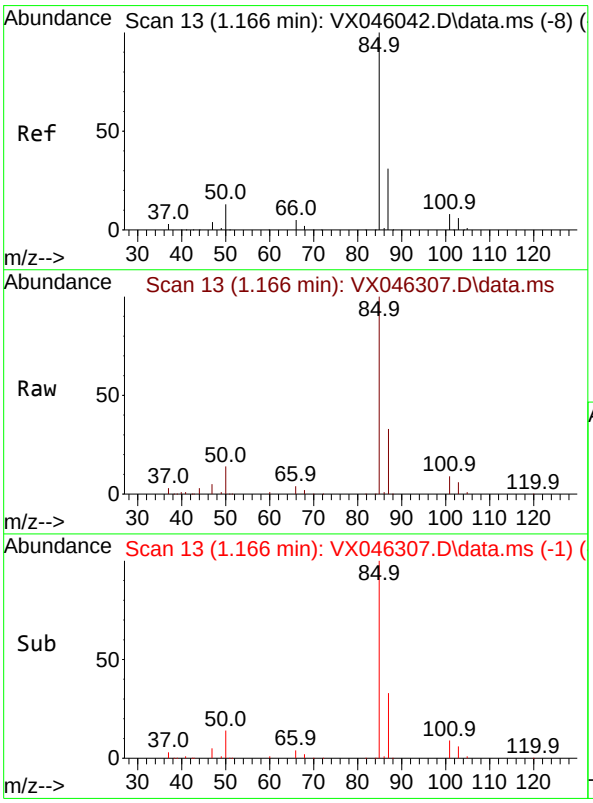
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:168 Resp: 78978

Ion	Ratio	Lower	Upper
168	100		
99	73.4	54.9	82.3

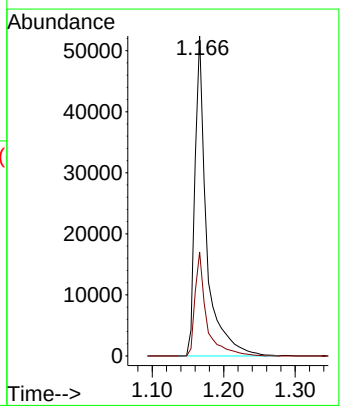


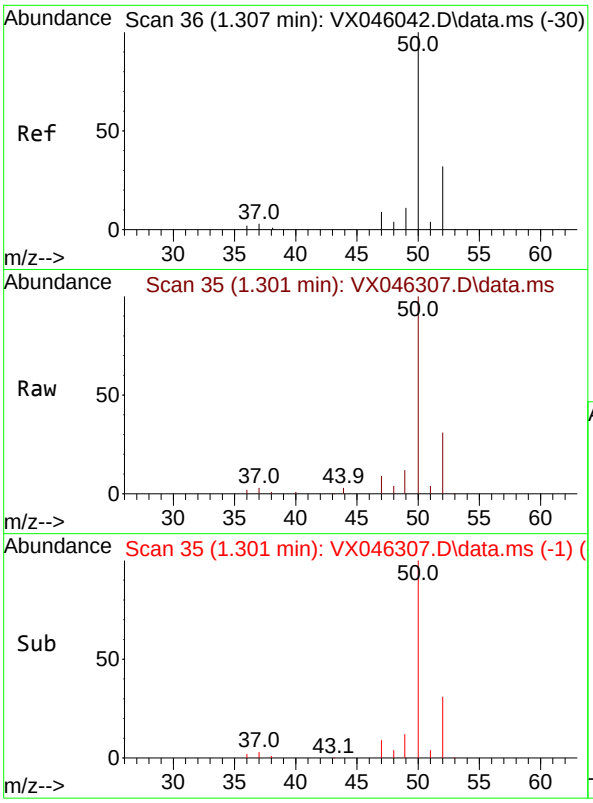


#2
Dichlorodifluoromethane
Concen: 48.987 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 85 Resp: 59216

Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.7	47.1



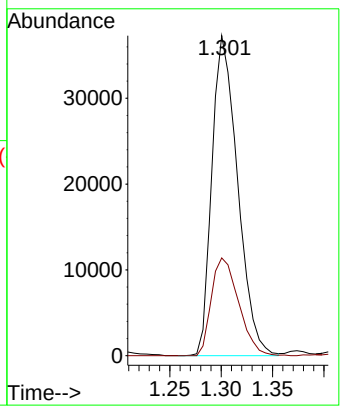


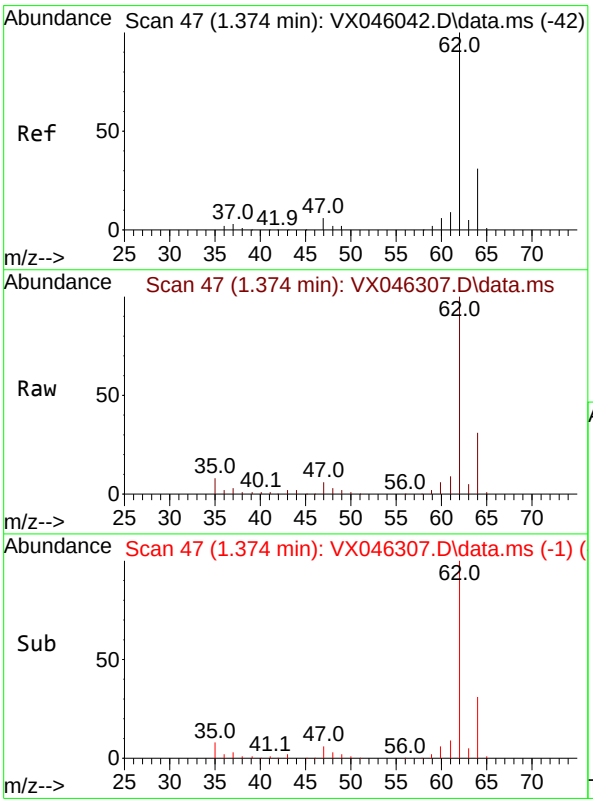
#3
Chloromethane
Concen: 55.293 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 50 Resp: 64817

Ion	Ratio	Lower	Upper
50	100		
52	30.6	25.4	38.2

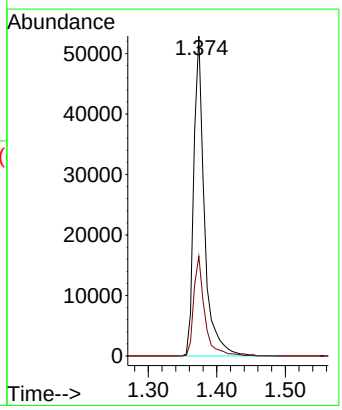


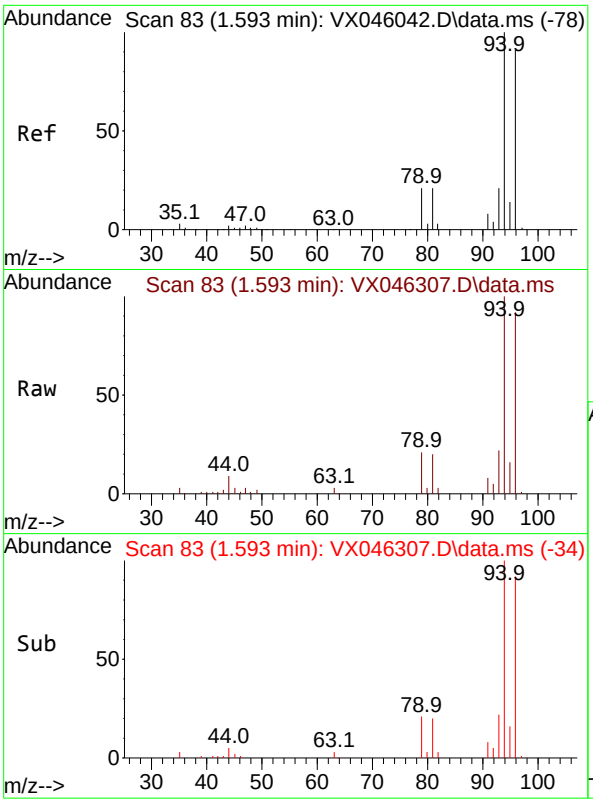


#4
Vinyl Chloride
Concen: 52.574 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 62 Resp: 57358

Ion	Ratio	Lower	Upper
62	100		
64	31.2	25.2	37.8



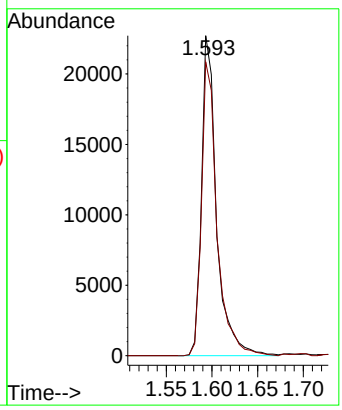


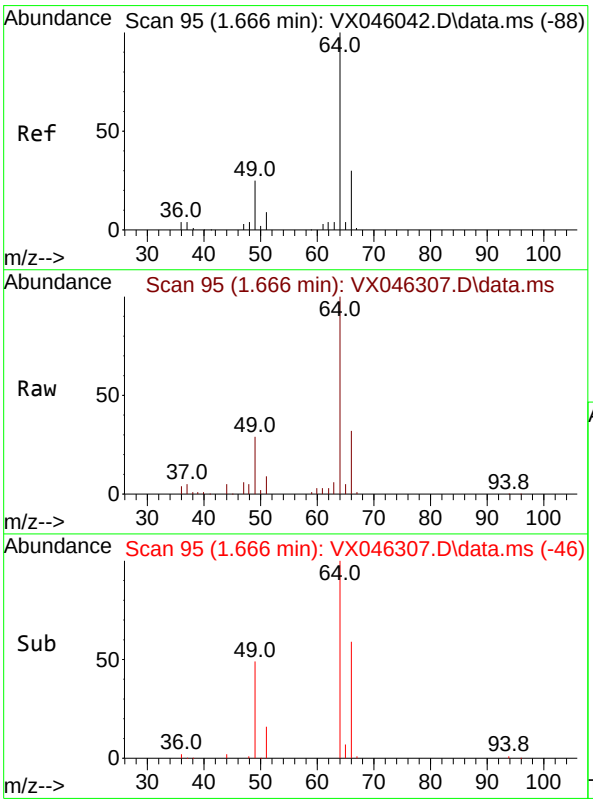
#5
Bromomethane
Concen: 51.176 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 94 Resp: 25896

Ion	Ratio	Lower	Upper
94	100		
96	91.8	72.8	109.2

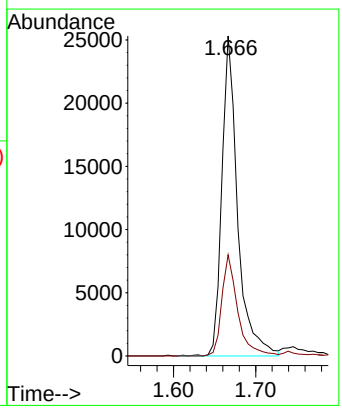


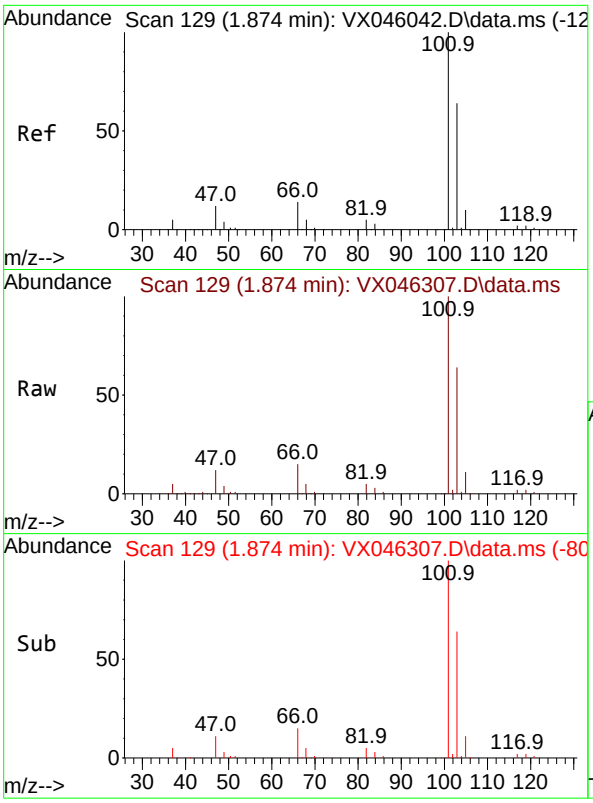


#6
Chloroethane
Concen: 57.817 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 64 Resp: 33674

Ion	Ratio	Lower	Upper
64	100		
66	31.6	24.3	36.5



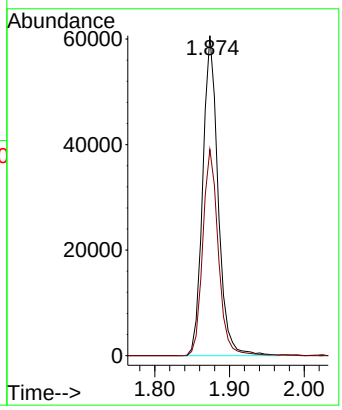


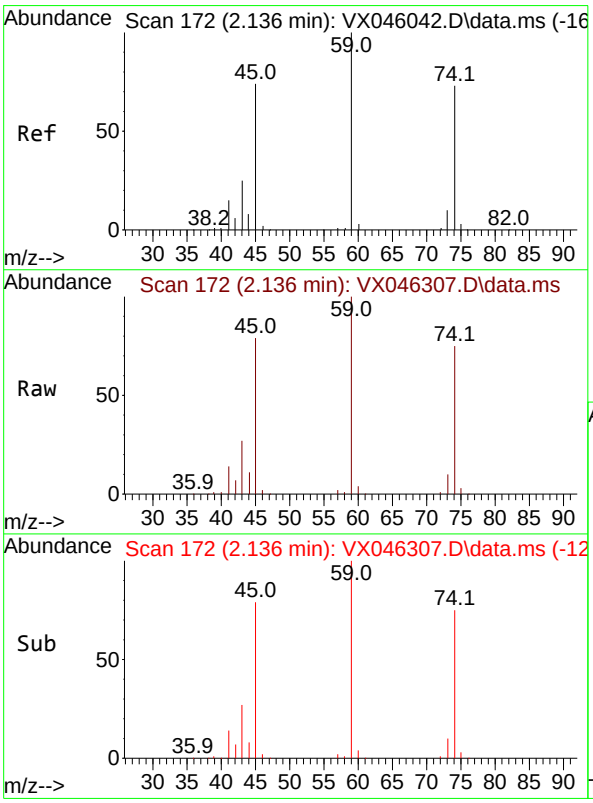
#7
Trichlorofluoromethane
Concen: 53.727 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:101 Resp: 86629

Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.0	76.4

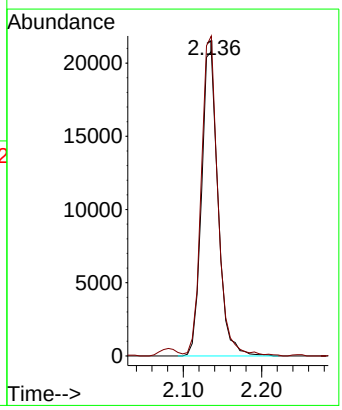


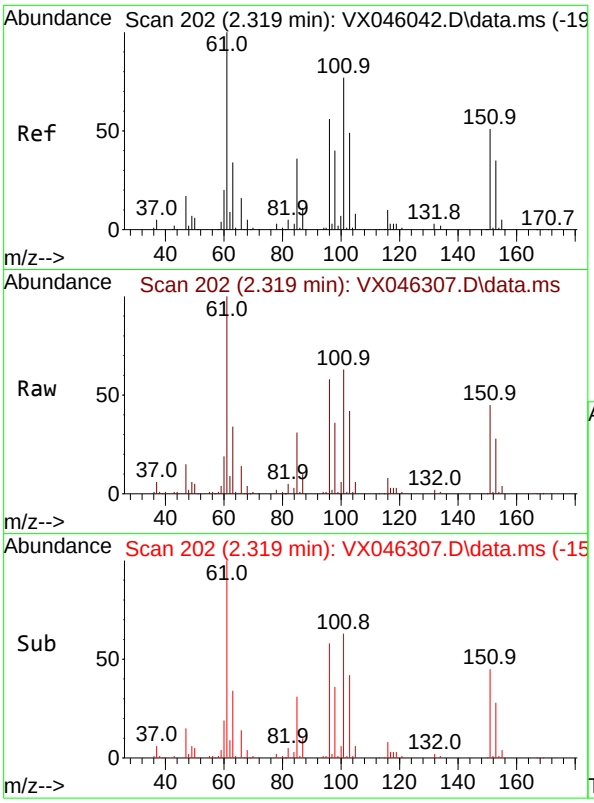


#8
Diethyl Ether
Concen: 55.614 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 74 Resp: 30526

Ion	Ratio	Lower	Upper
74	100		
45	105.8	54.9	164.8



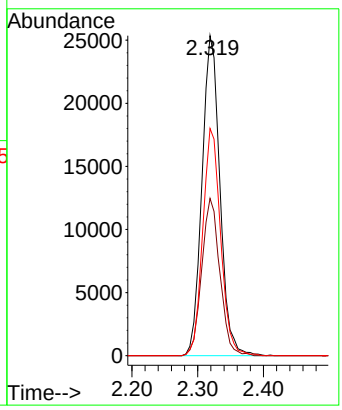


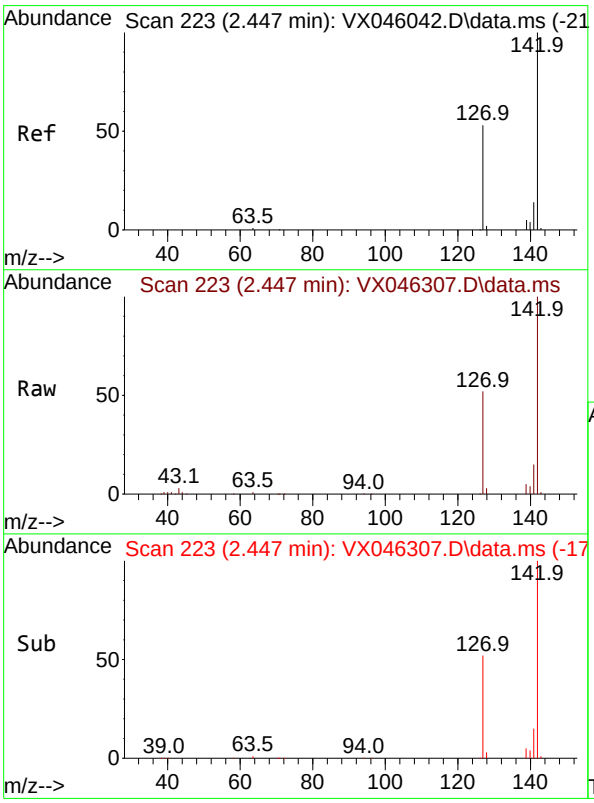
#9
1,1,2-Trichlorotrifluoroethane
Concen: 48.198 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:101 Resp: 48093

Ion	Ratio	Lower	Upper
101	100		
85	49.5	38.6	58.0
151	70.8	55.2	82.8

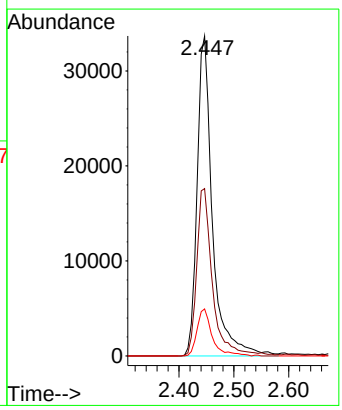


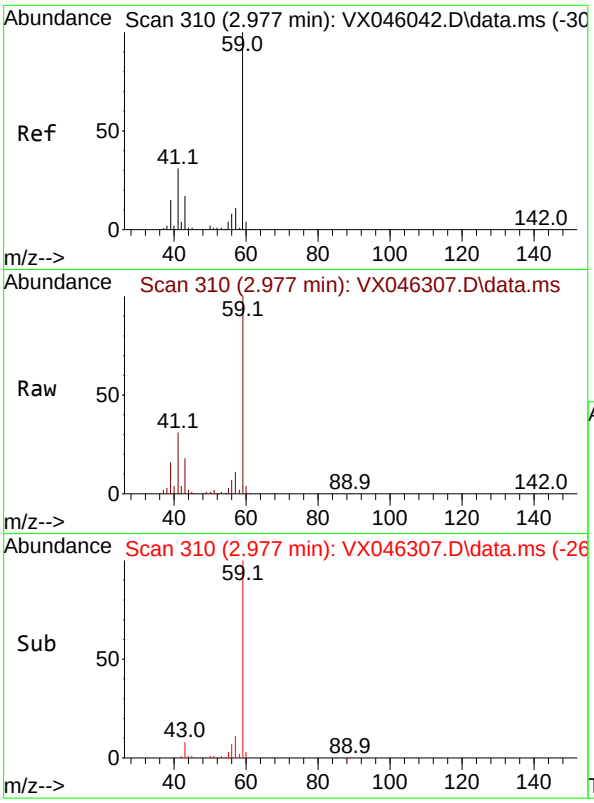


#10
Methyl Iodide
Concen: 55.584 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:142 Resp: 65628

Ion	Ratio	Lower	Upper
142	100		
127	53.6	41.7	62.5
141	14.5	11.5	17.3



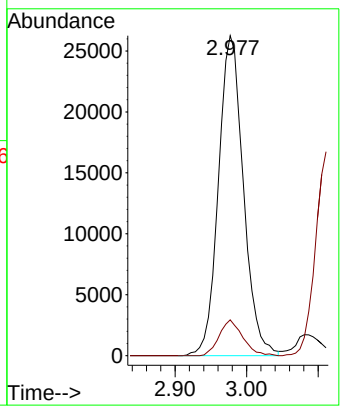


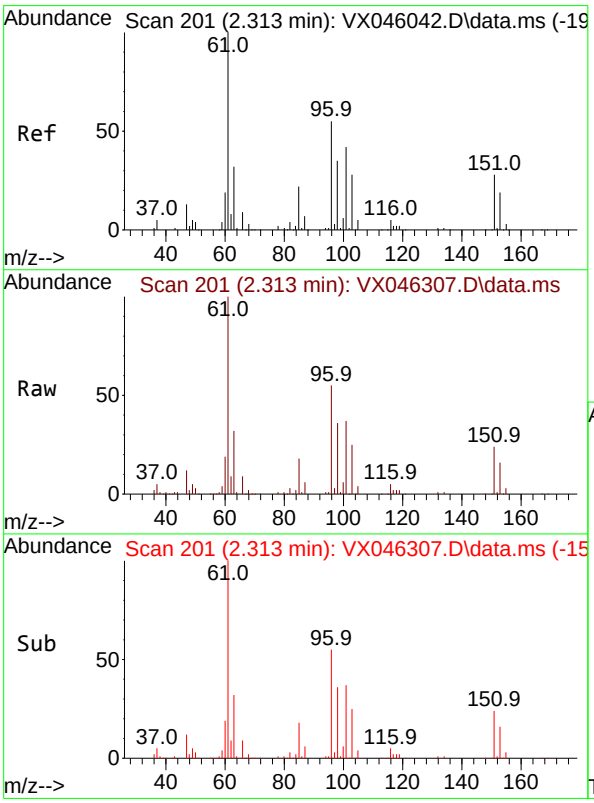
#11
Tert butyl alcohol
Concen: 308.035 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 59 Resp: 63665

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8

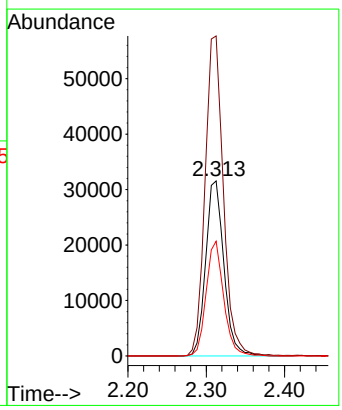


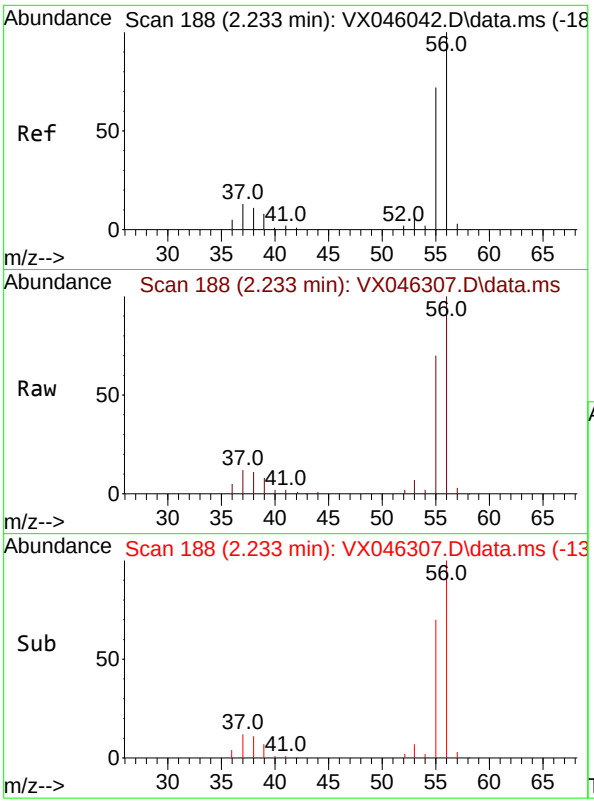


#12
1,1-Dichloroethene
Concen: 54.345 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 96 Resp: 50893

Ion	Ratio	Lower	Upper
96	100		
61	182.8	146.2	219.2
98	65.6	51.0	76.6



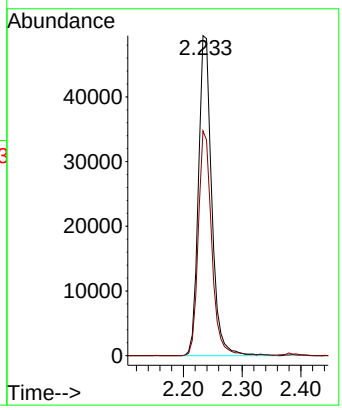


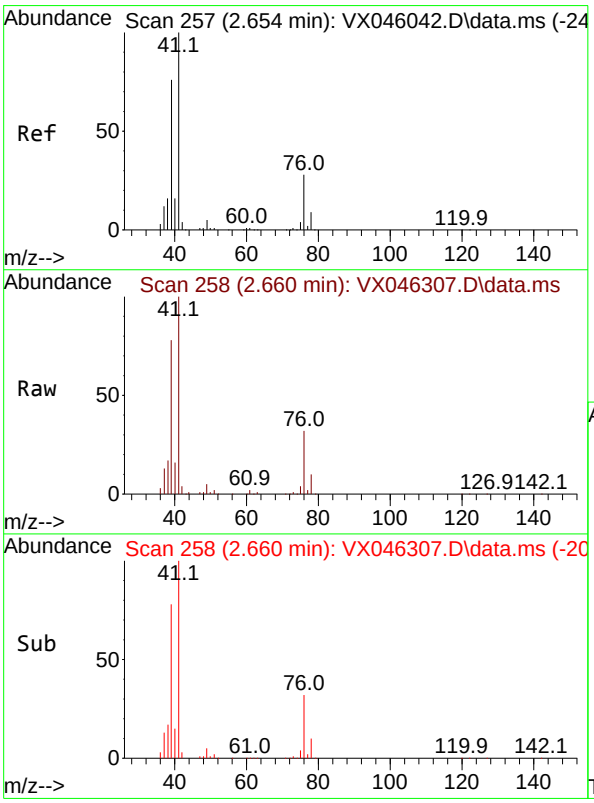
#13
Acrolein
Concen: 329.263 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 56 Resp: 77501

Ion	Ratio	Lower	Upper
56	100		
55	70.6	56.2	84.4

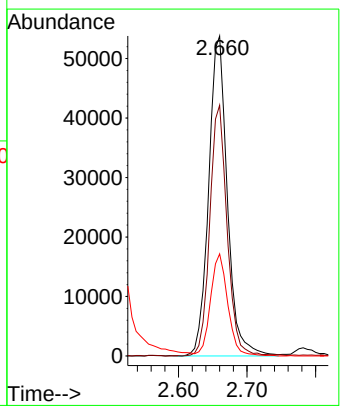


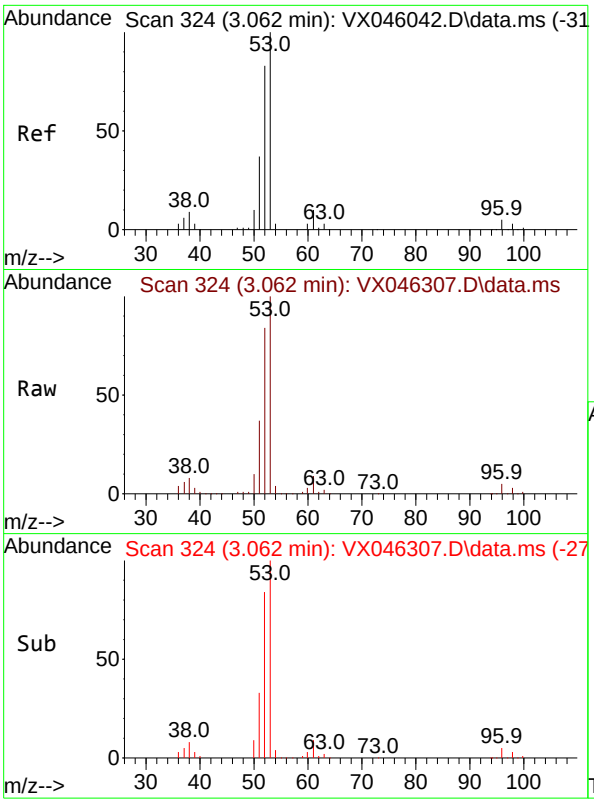


#14
Allyl chloride
Concen: 56.908 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 41 Resp: 101853

Ion	Ratio	Lower	Upper
41	100		
39	72.8	60.6	90.8
76	29.4	24.9	37.3



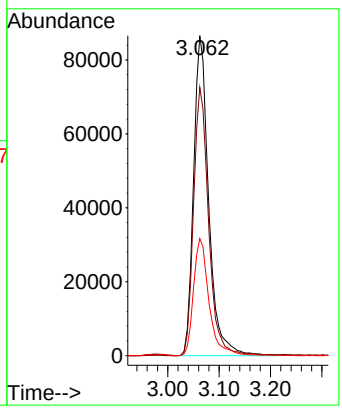


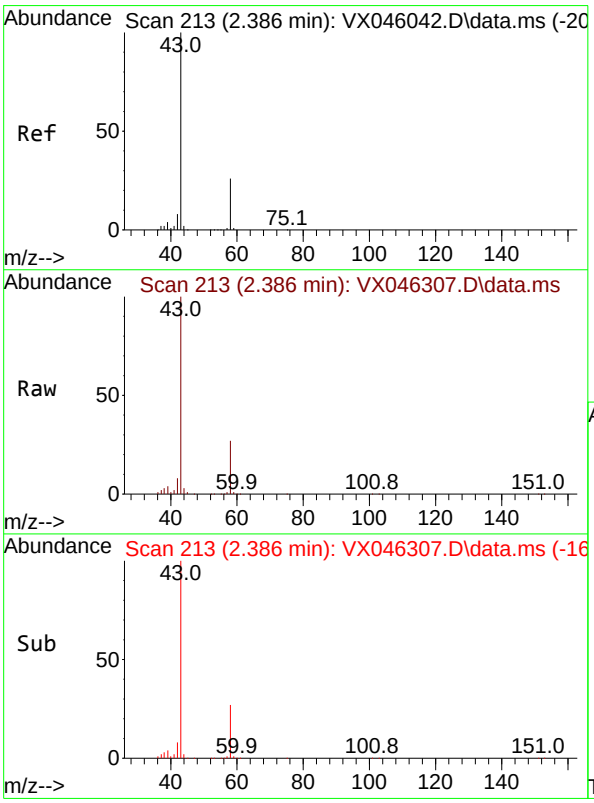
#15
Acrylonitrile
Concen: 300.281 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 53 Resp: 177463

Ion	Ratio	Lower	Upper
53	100		
52	83.7	65.3	97.9
51	37.7	29.8	44.8

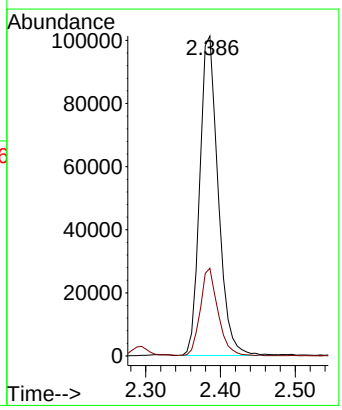


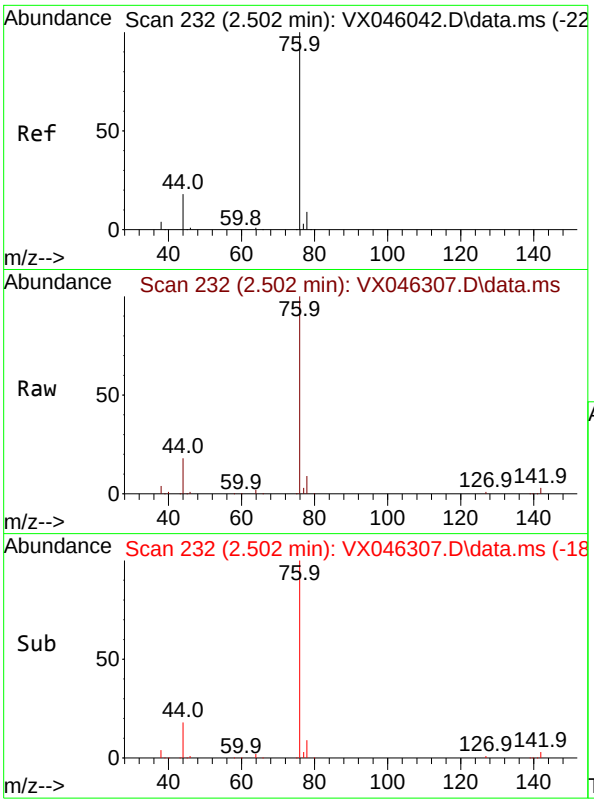


#16
Acetone
Concen: 292.804 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 43 Resp: 172861

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.2	31.8



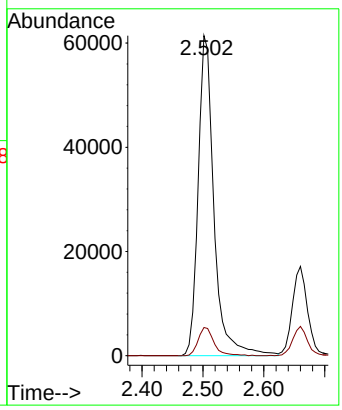


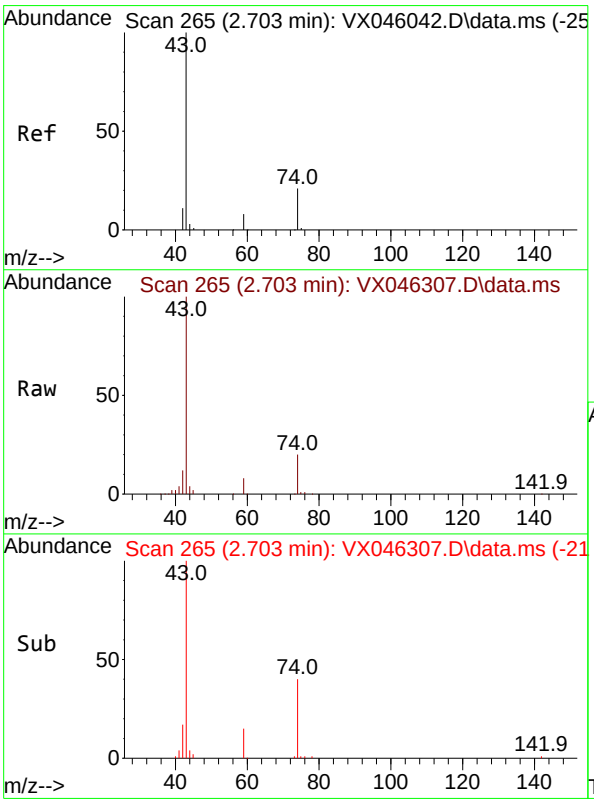
#17
Carbon Disulfide
Concen: 49.834 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 76 Resp: 110641

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

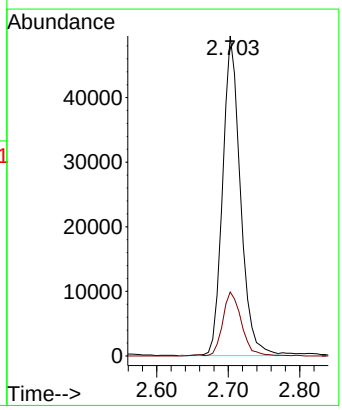


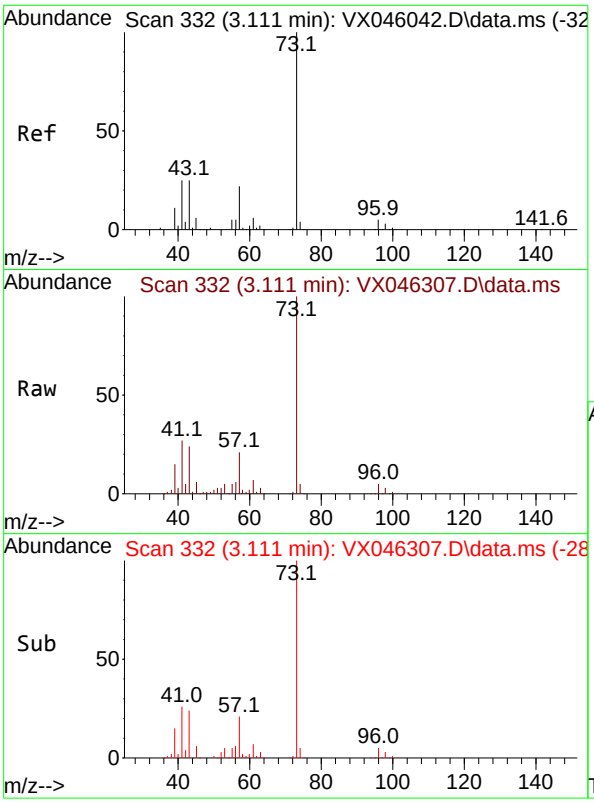


#18
Methyl Acetate
Concen: 62.252 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 43 Resp: 85283

Ion	Ratio	Lower	Upper
43	100		
74	21.3	16.7	25.1



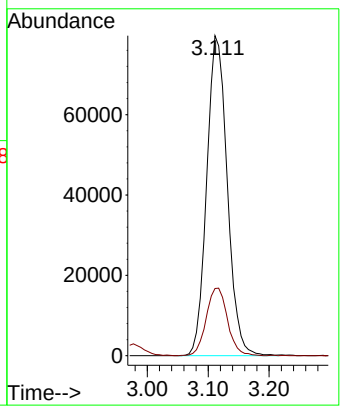


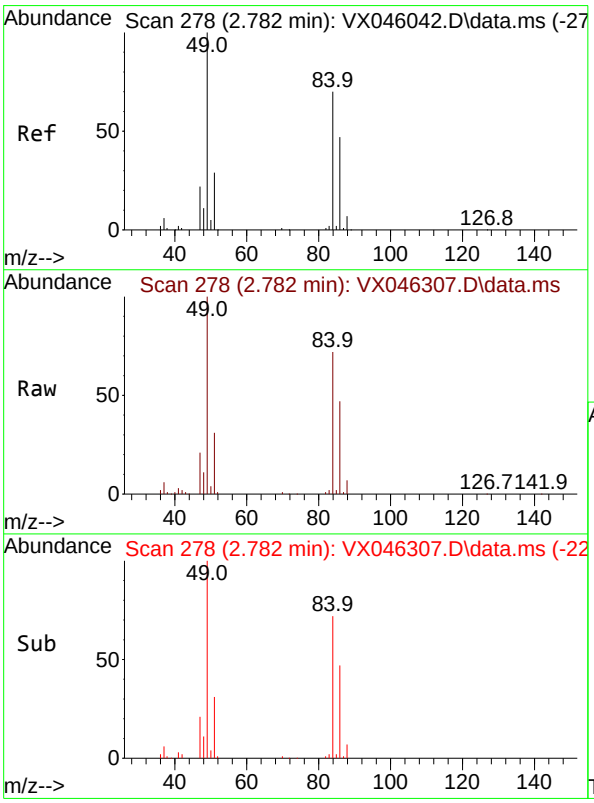
#19
Methyl tert-butyl Ether
Concen: 56.889 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 73 Resp: 186782

Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.7	26.5

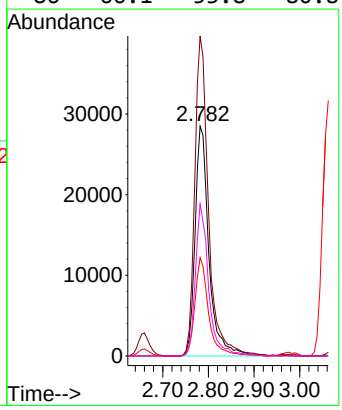


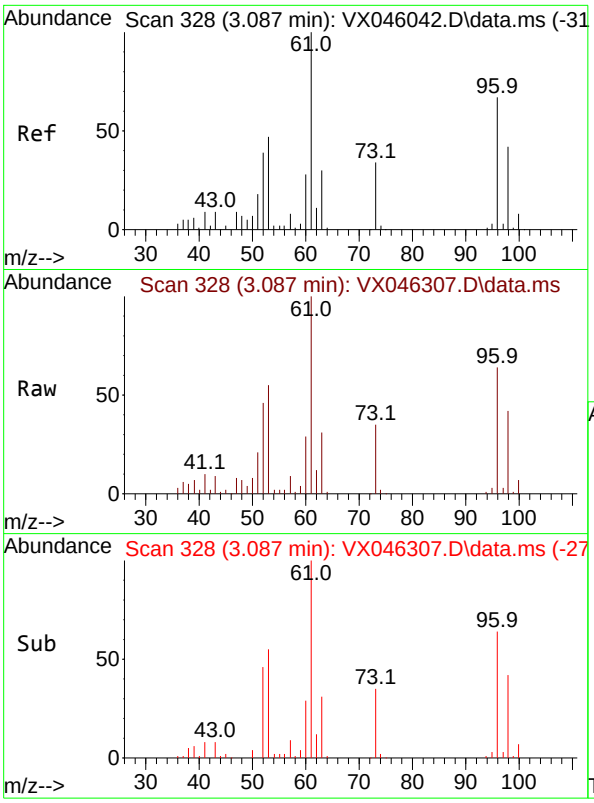


#20
Methylene Chloride
Concen: 53.021 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 84 Resp: 59984

Ion	Ratio	Lower	Upper
84	100		
49	139.3	113.9	170.9
51	42.7	33.5	50.3
86	66.1	53.8	80.8



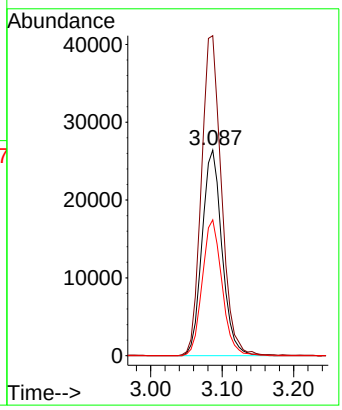


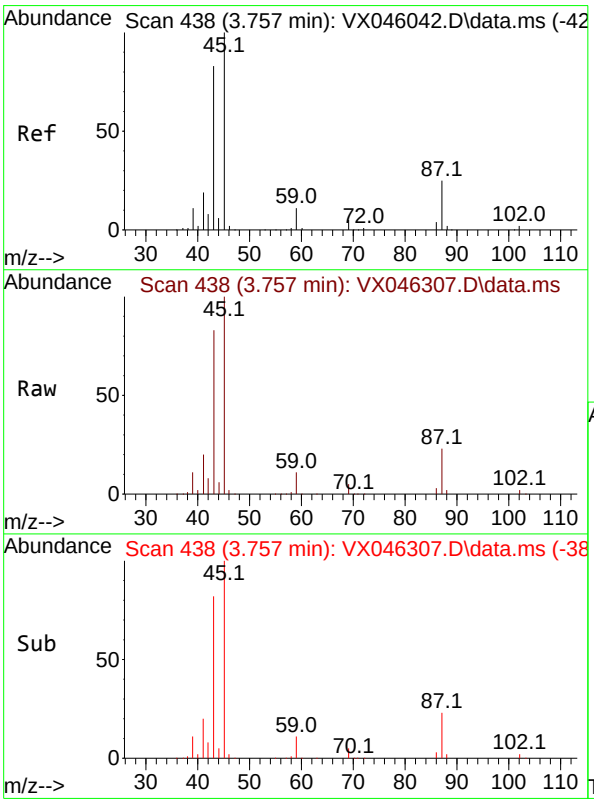
#21
trans-1,2-Dichloroethene
Concen: 54.387 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 96 Resp: 51220

Ion	Ratio	Lower	Upper
96	100		
61	155.7	119.5	179.3
98	66.1	50.0	75.0

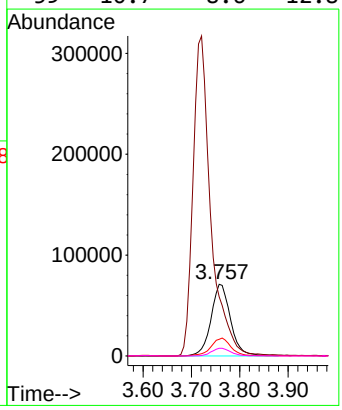


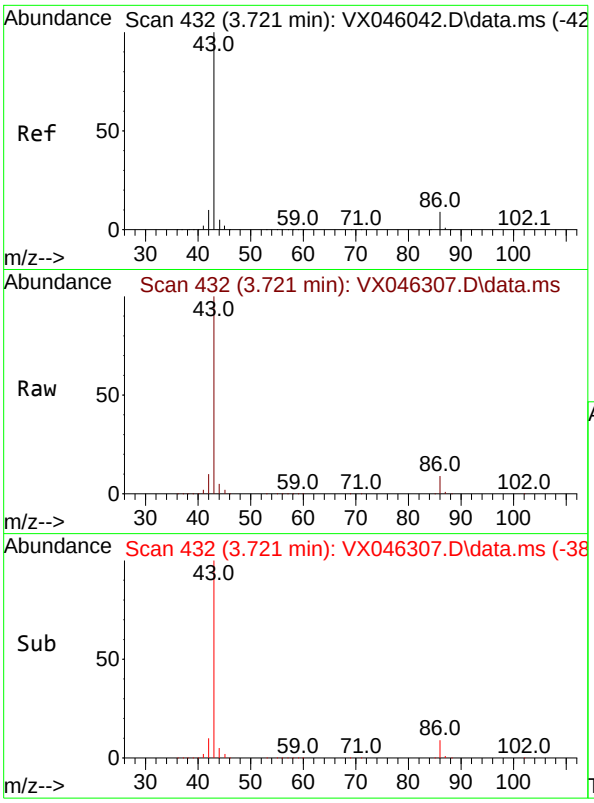


#22
Diisopropyl ether
Concen: 57.724 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 45 Resp: 199564

Ion	Ratio	Lower	Upper
45	100		
43	82.4	66.6	100.0
87	23.3	19.8	29.6
59	10.7	8.6	12.8



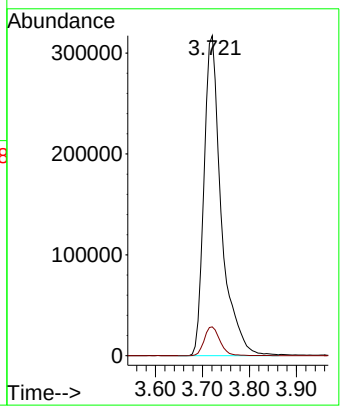


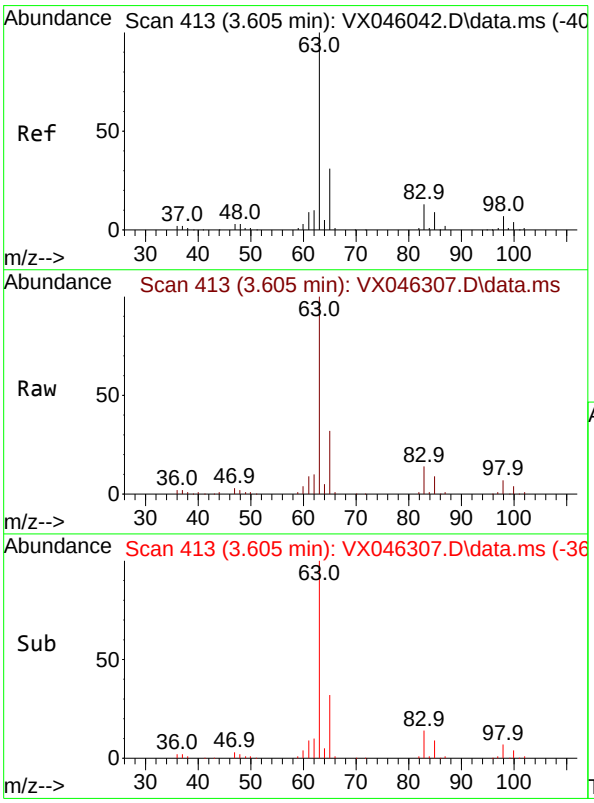
#23
Vinyl Acetate
Concen: 266.882 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 43 Resp: 811524

Ion	Ratio	Lower	Upper
43	100		
86	9.0	7.5	11.3

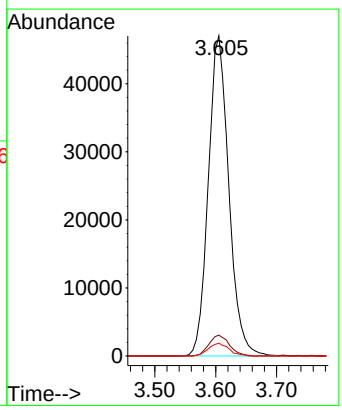


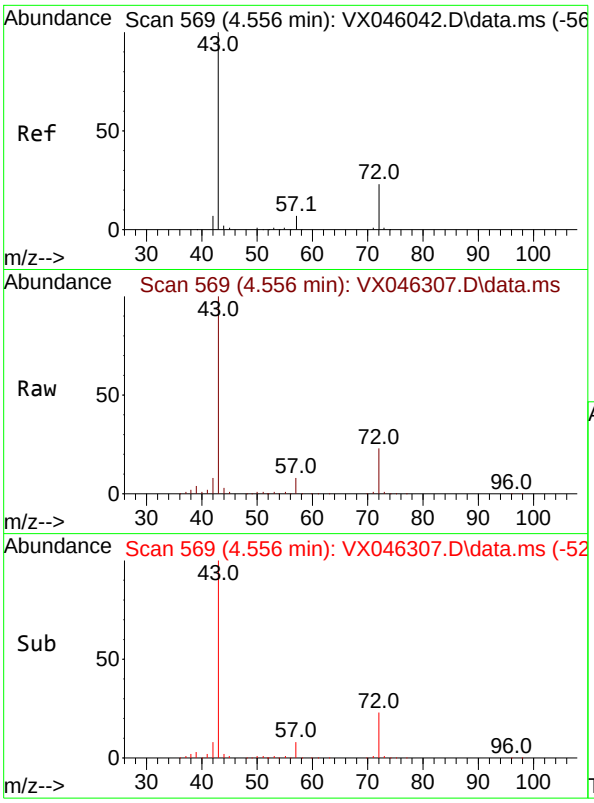


#24
1,1-Dichloroethane
Concen: 57.143 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 63 Resp: 110034

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.6	10.8
100	4.0	2.1	6.3



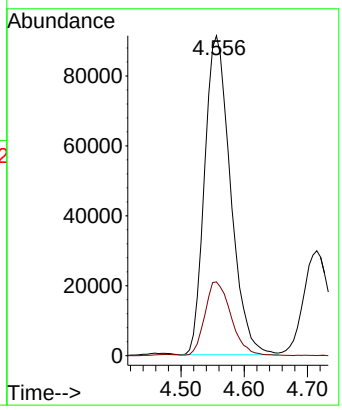


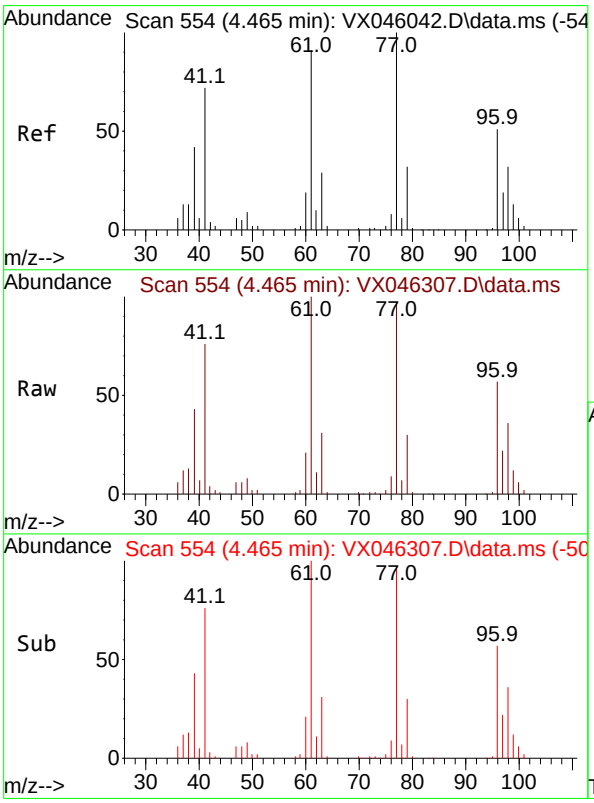
#25
2-Butanone
Concen: 302.686 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 43 Resp: 259427

Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.4	27.6

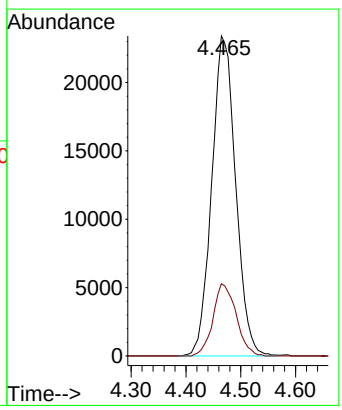


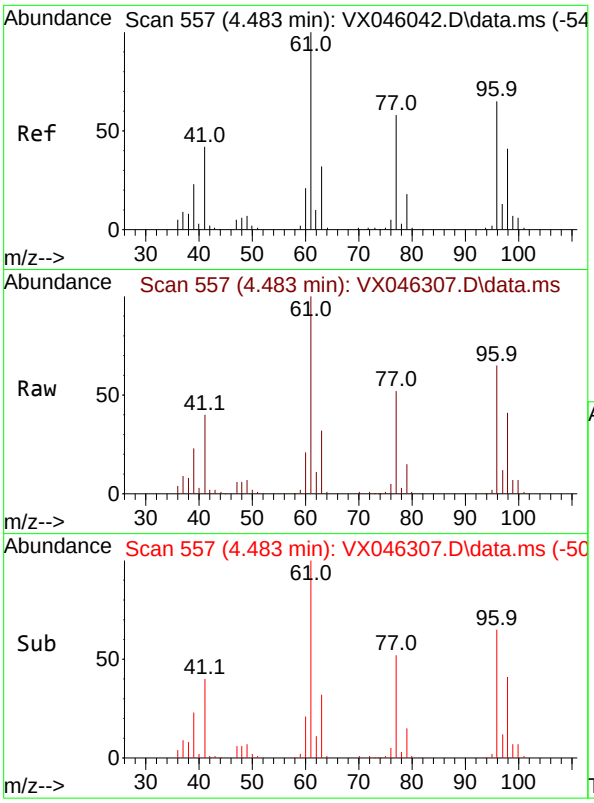


#26
2,2-Dichloropropane
Concen: 47.051 ug/l
RT: 4.465 min Scan# 554
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 77 Resp: 70914

Ion	Ratio	Lower	Upper
77	100		
97	21.9	10.5	31.5



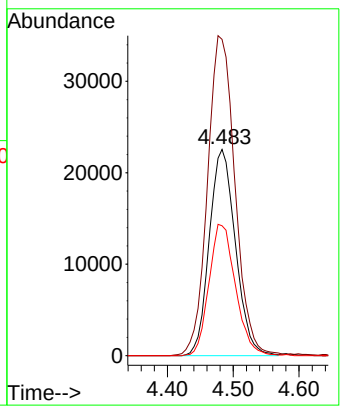


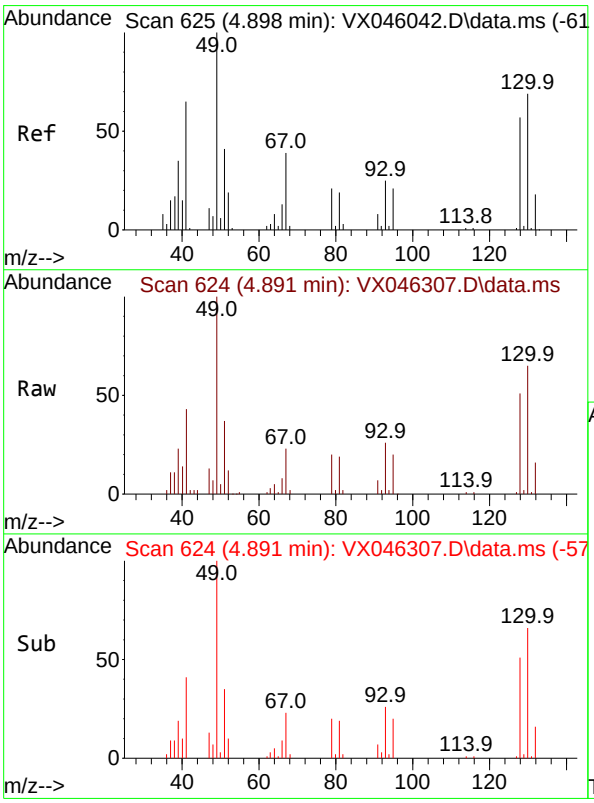
#27
cis-1,2-Dichloroethene
Concen: 55.189 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 96 Resp: 62570

Ion	Ratio	Lower	Upper
96	100		
61	162.9	0.0	322.8
98	64.5	0.0	129.0

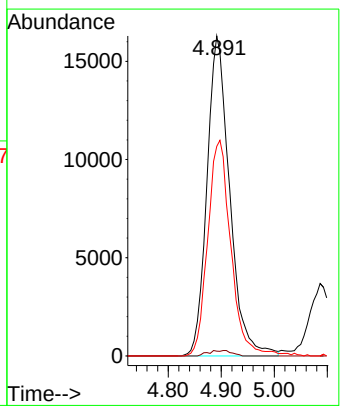


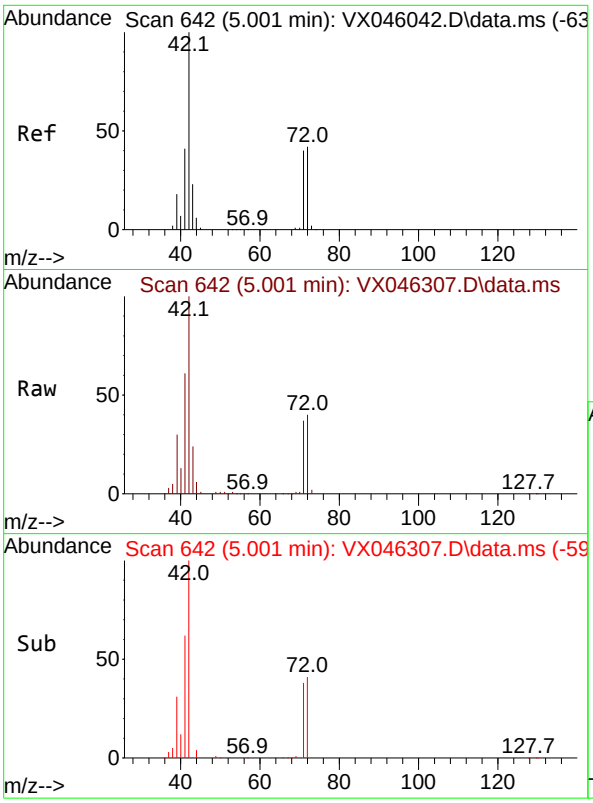


#28
Bromochloromethane
Concen: 52.324 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 49 Resp: 48498

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	68.6	56.2	84.2



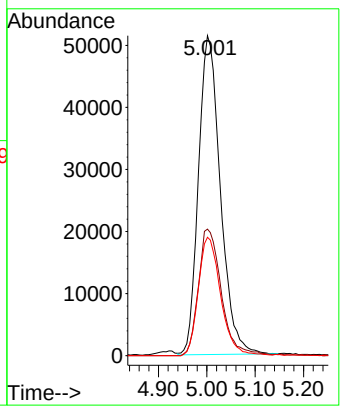


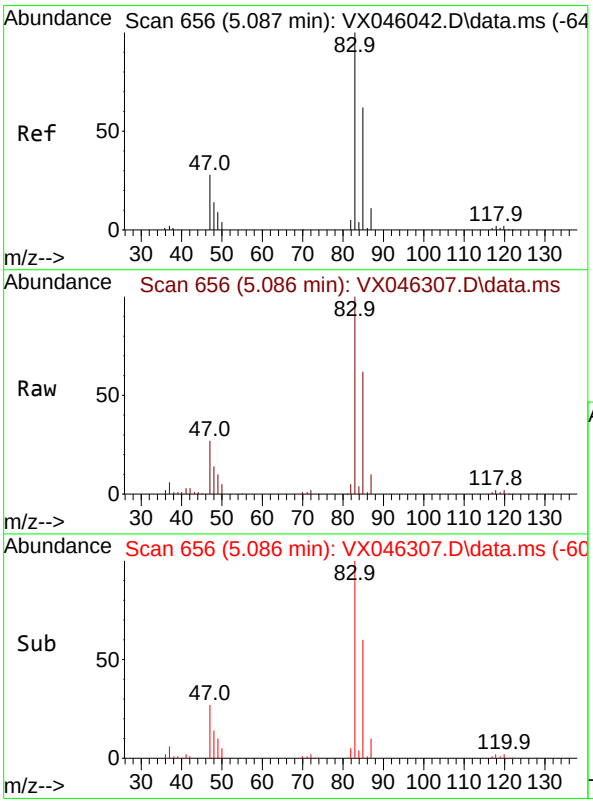
#29
Tetrahydrofuran
Concen: 301.432 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 42 Resp: 161890

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	37.8	31.4	47.2

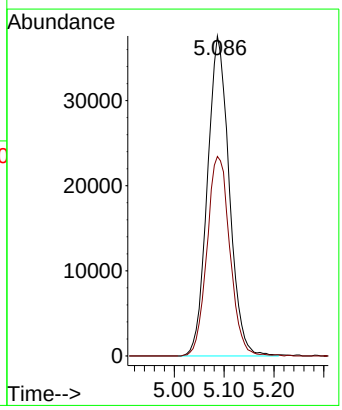


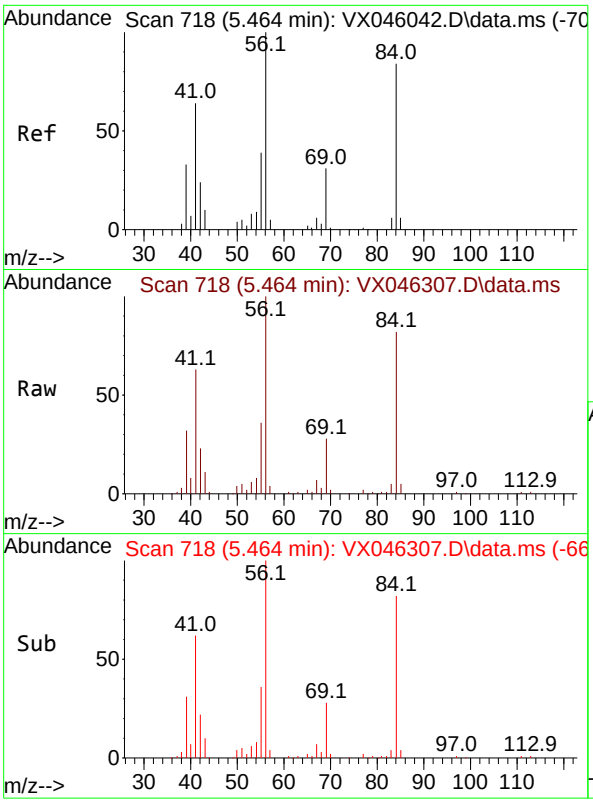


#30
Chloroform
Concen: 56.916 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 83 Resp: 114234

Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.3	73.9



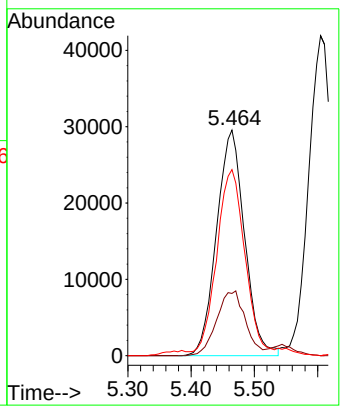


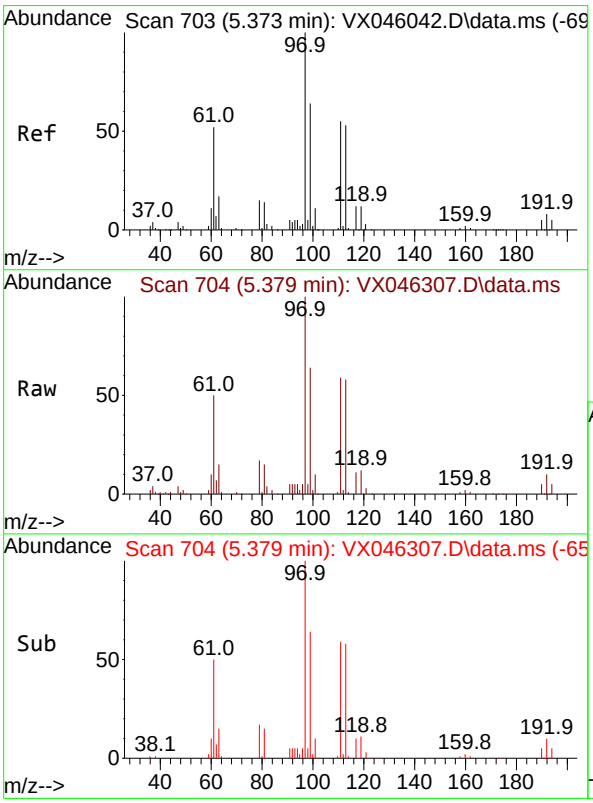
#31
Cyclohexane
Concen: 51.745 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 56 Resp: 90799

Ion	Ratio	Lower	Upper
56	100		
69	27.6	24.4	36.6
84	80.8	66.9	100.3

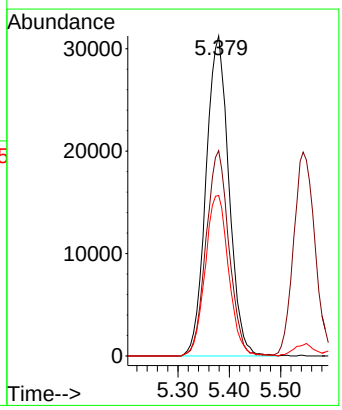


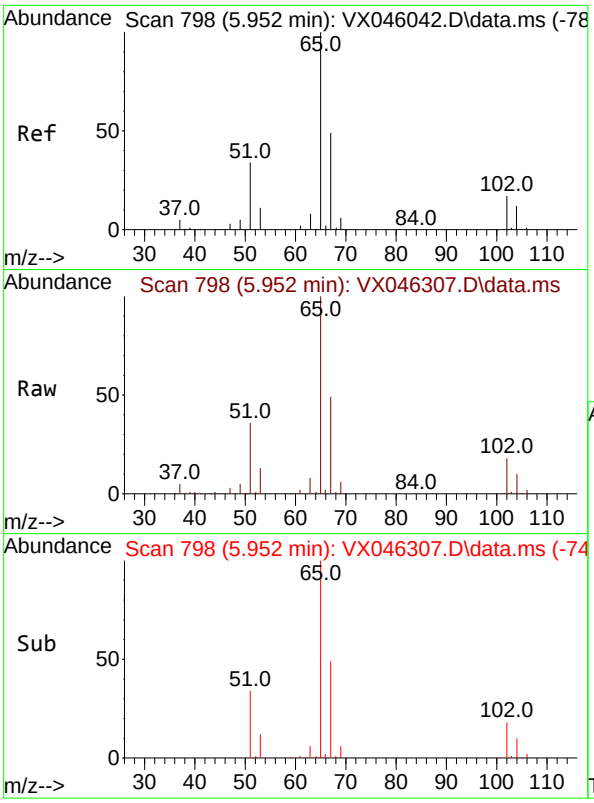


#32
1,1,1-Trichloroethane
Concen: 55.528 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 97 Resp: 96610

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.6
61	51.6	40.1	60.1



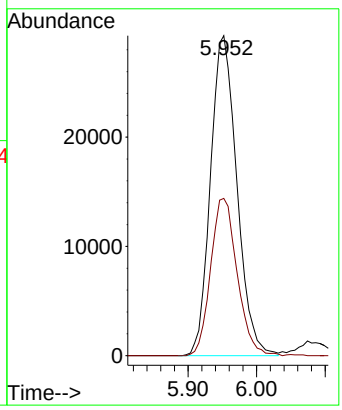


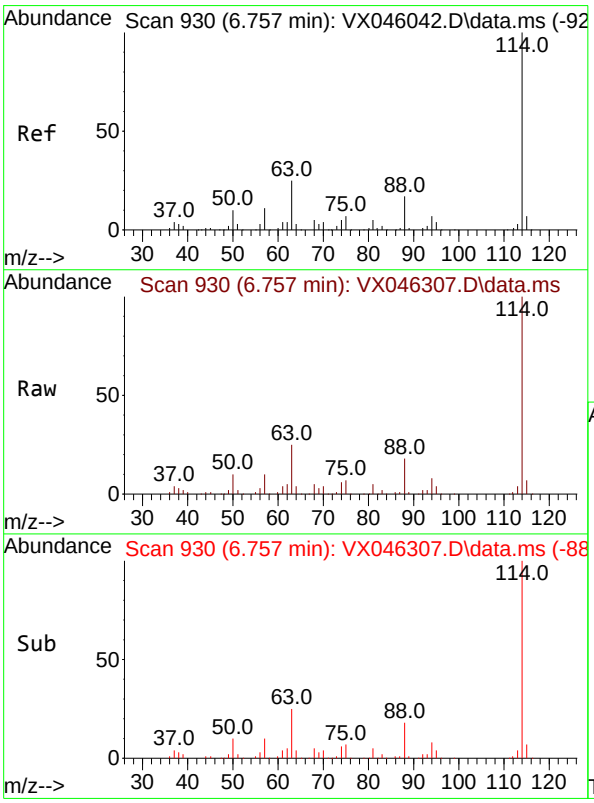
#33
1,2-Dichloroethane-d4
Concen: 53.217 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 65 Resp: 78357

Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	99.0

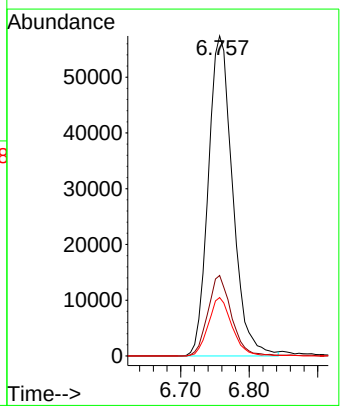


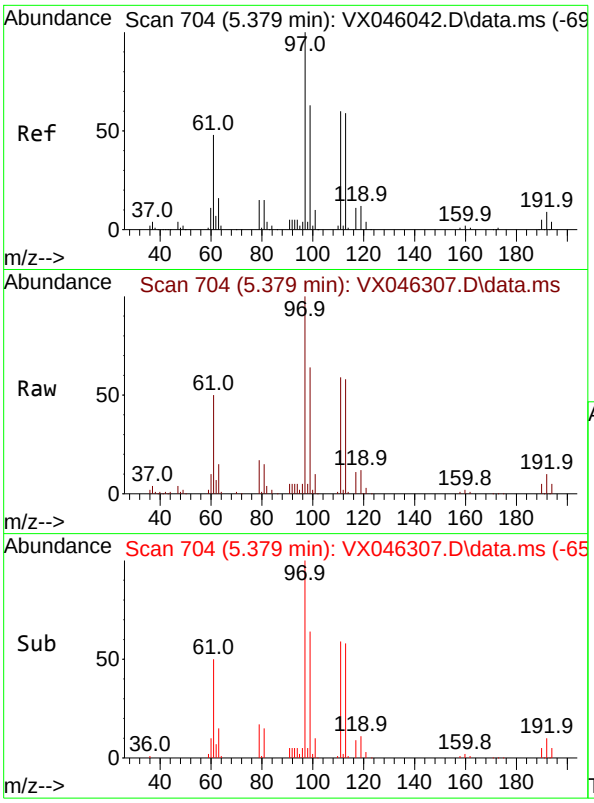


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:114 Resp: 141460

Ion	Ratio	Lower	Upper
114	100		
63	25.2	0.0	49.2
88	18.2	0.0	33.6



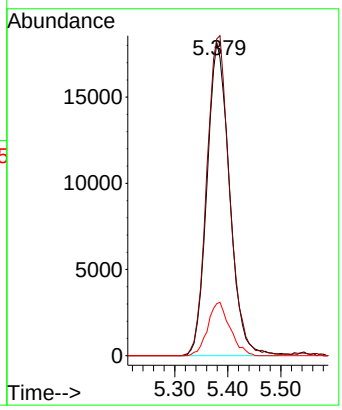


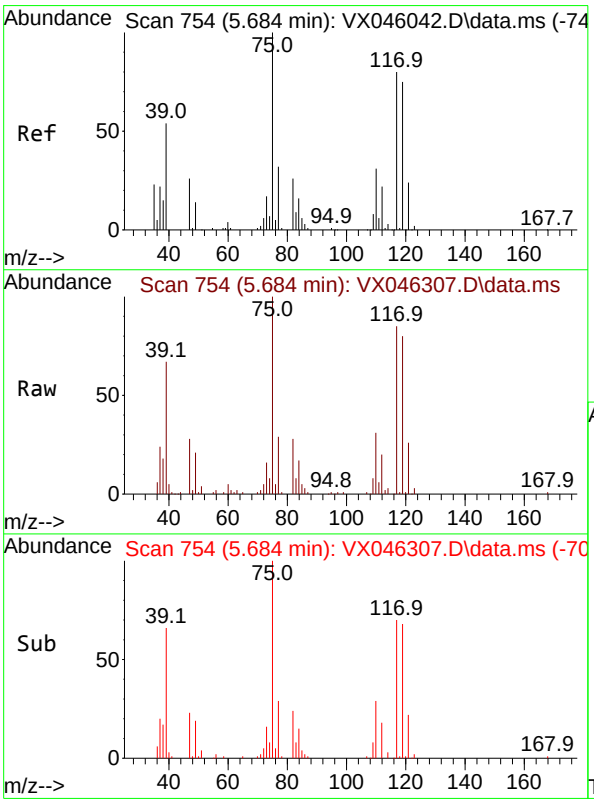
#35
Dibromofluoromethane
Concen: 52.569 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:113 Resp: 53550

Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.1	124.7
192	16.8	13.3	19.9

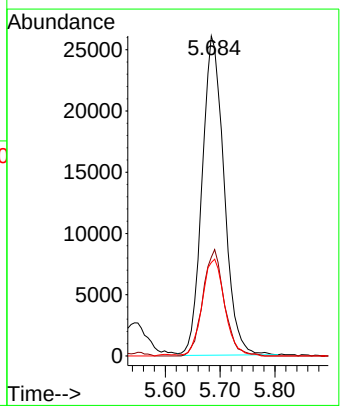


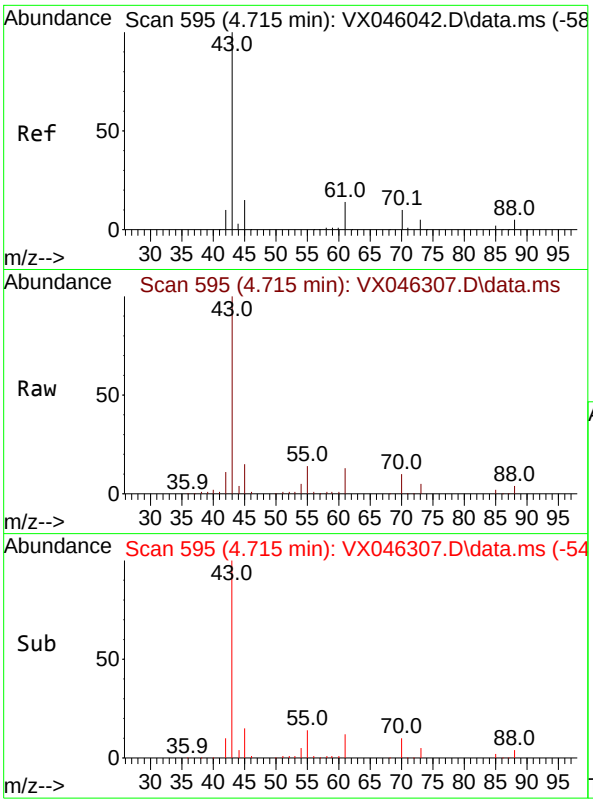


#36
1,1-Dichloropropene
Concen: 52.871 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 75 Resp: 72363

Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.3	48.9
77	31.3	24.3	36.5



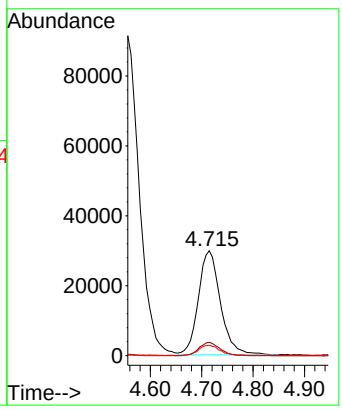


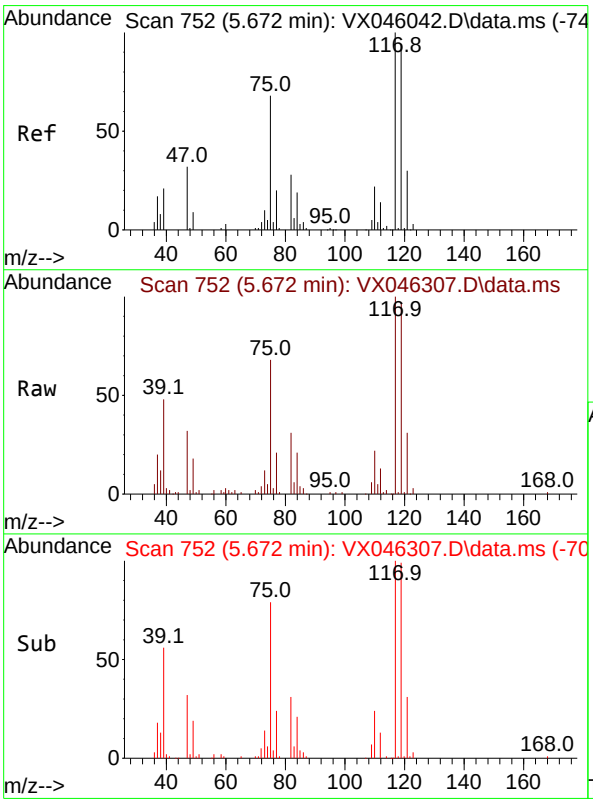
#37
Ethyl Acetate
Concen: 52.723 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 43 Resp: 89154

Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.3	15.5
70	9.7	7.9	11.9

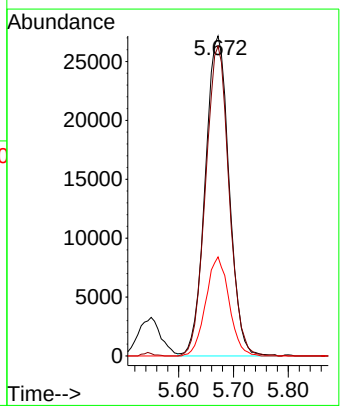


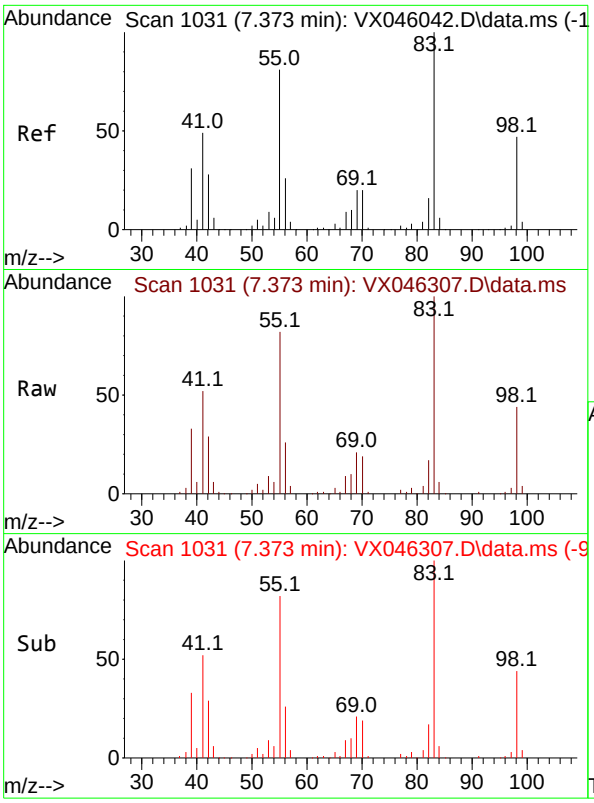


#38
Carbon Tetrachloride
Concen: 53.313 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:117 Resp: 81986

Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.2	112.8
121	31.0	24.2	36.4



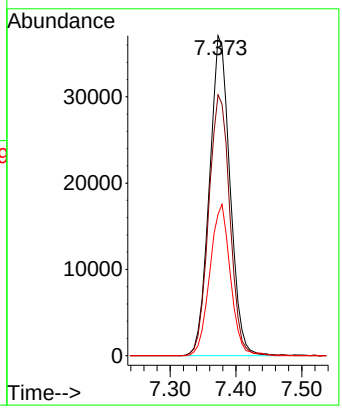


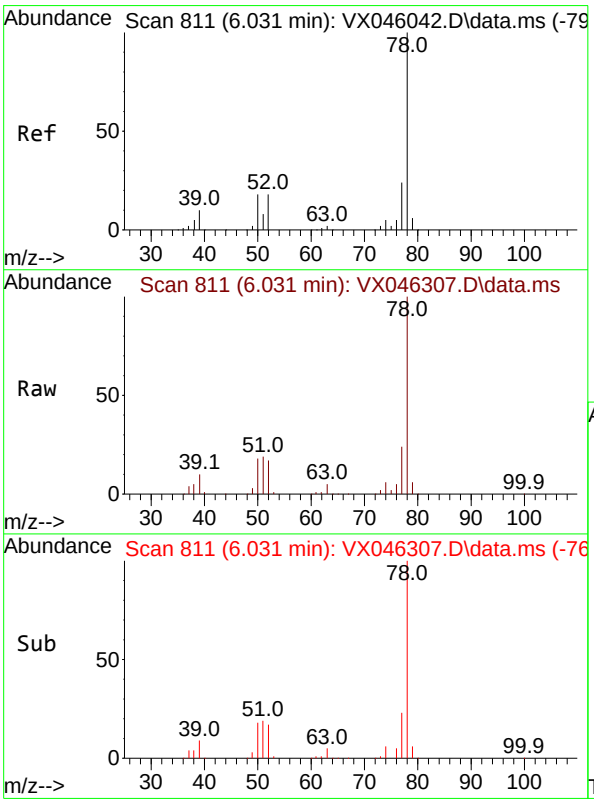
#39
Methylcyclohexane
Concen: 45.877 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 83 Resp: 80838

Ion	Ratio	Lower	Upper
83	100		
55	81.5	64.7	97.1
98	44.2	37.4	56.2

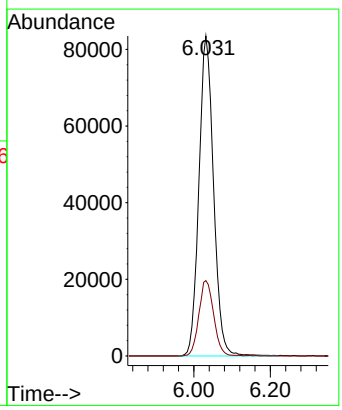


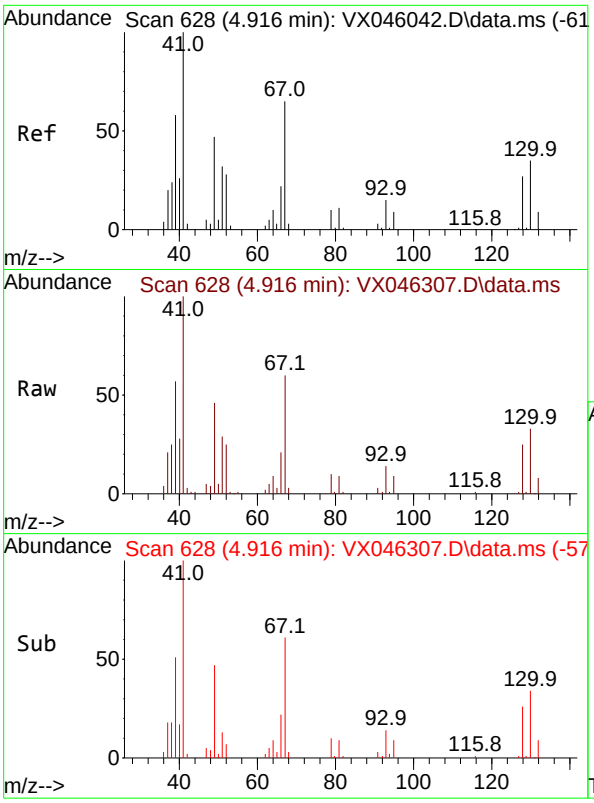


#40
Benzene
Concen: 55.283 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 78 Resp: 221627

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4



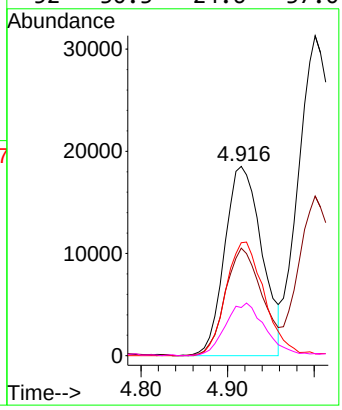


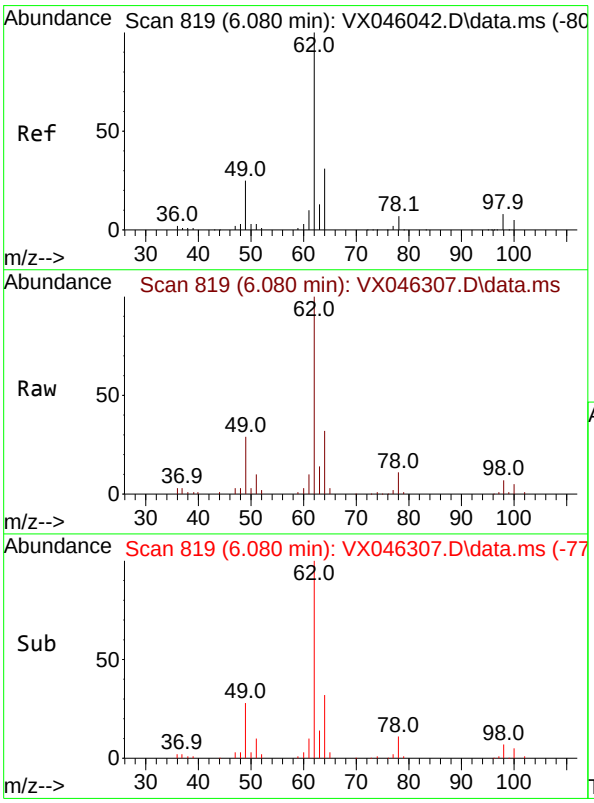
#41
Methacrylonitrile
Concen: 62.723 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 41 Resp: 55484

Ion	Ratio	Lower	Upper
41	100		
39	56.2	47.2	70.8
67	62.5	50.7	76.1
52	30.3	24.6	37.0

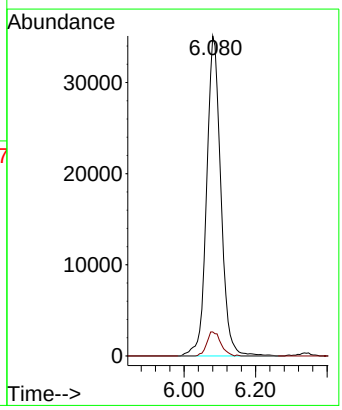


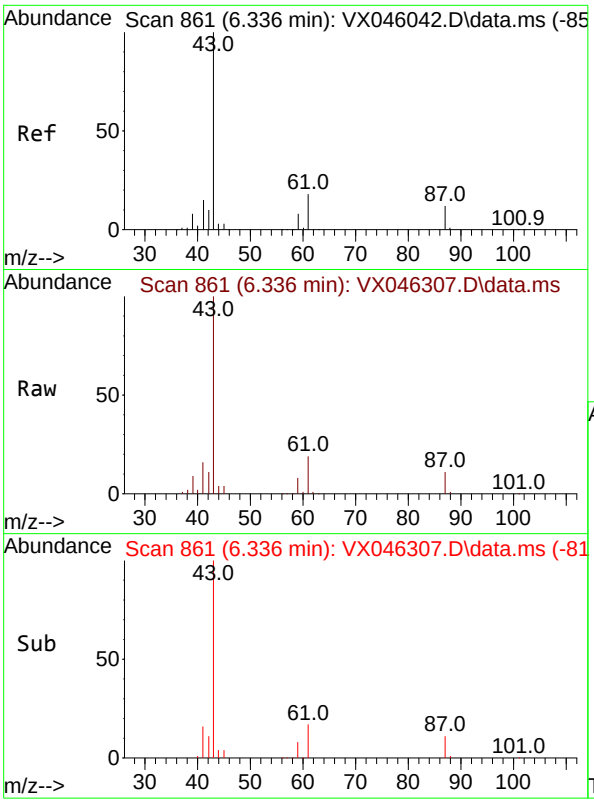


#42
1,2-Dichloroethane
Concen: 55.949 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 62 Resp: 96805

Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	15.2



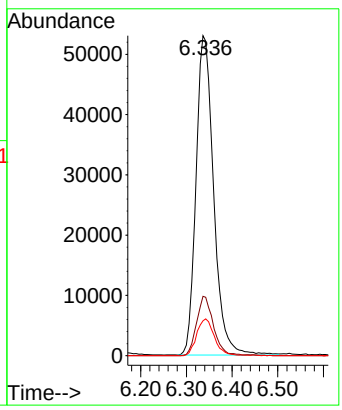


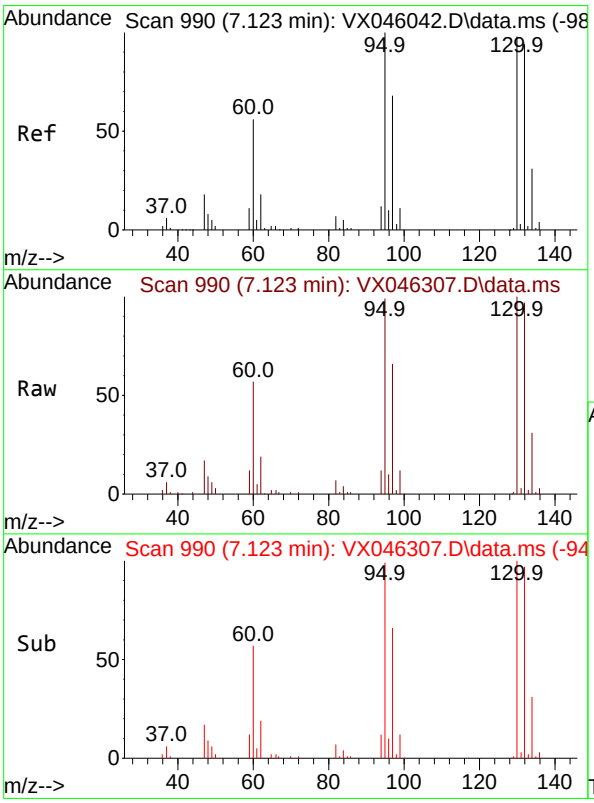
#43
Isopropyl Acetate
Concen: 55.130 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 43 Resp: 142220

Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.3	21.5
87	11.5	9.5	14.3

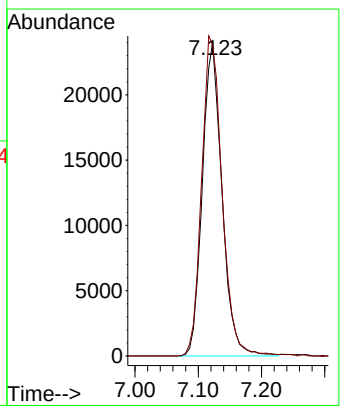


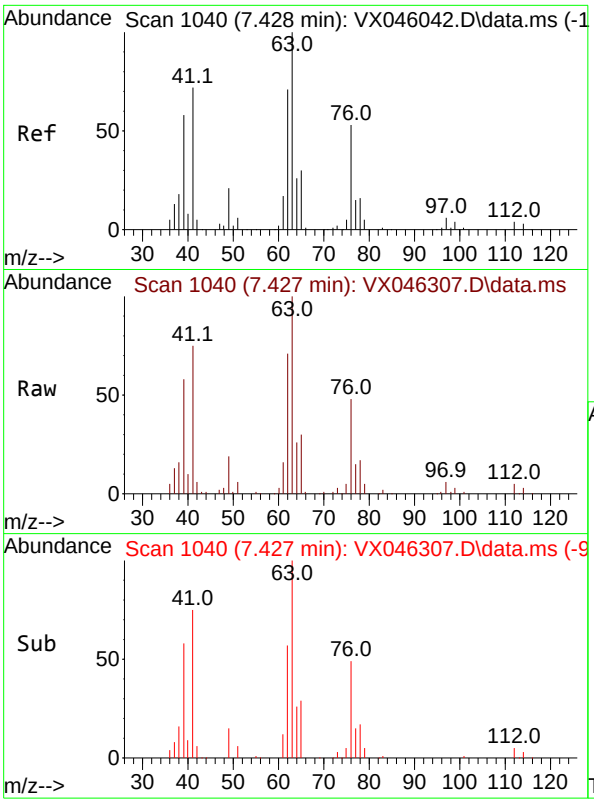


#44
Trichloroethene
Concen: 53.763 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:130 Resp: 51875

Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	204.2



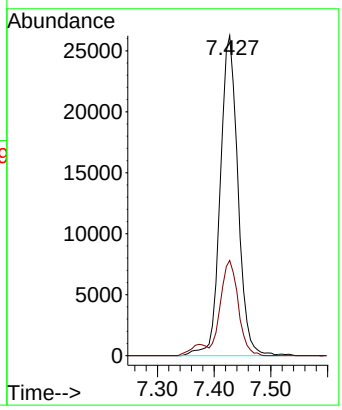


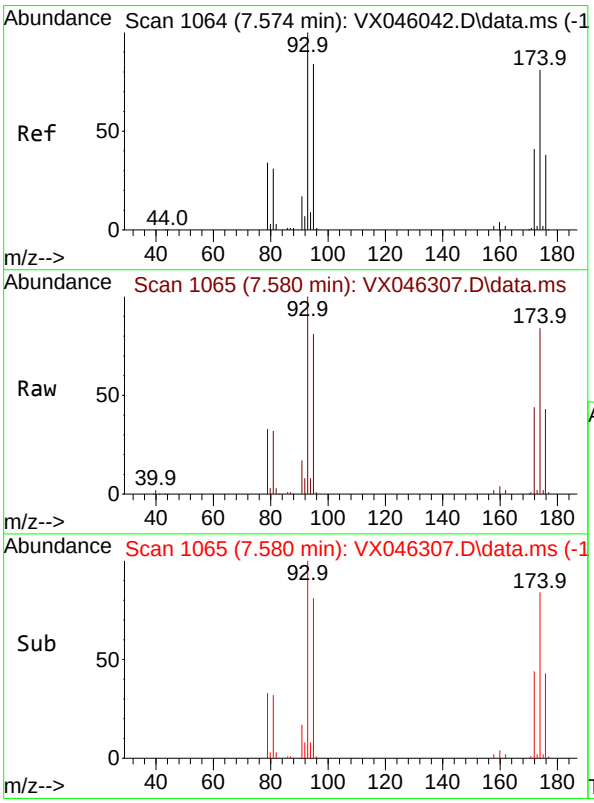
#45
1,2-Dichloropropane
Concen: 56.982 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 63 Resp: 56803

Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.1	36.1

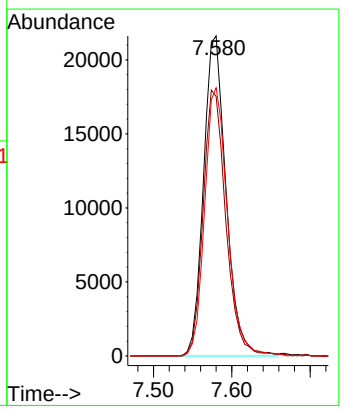


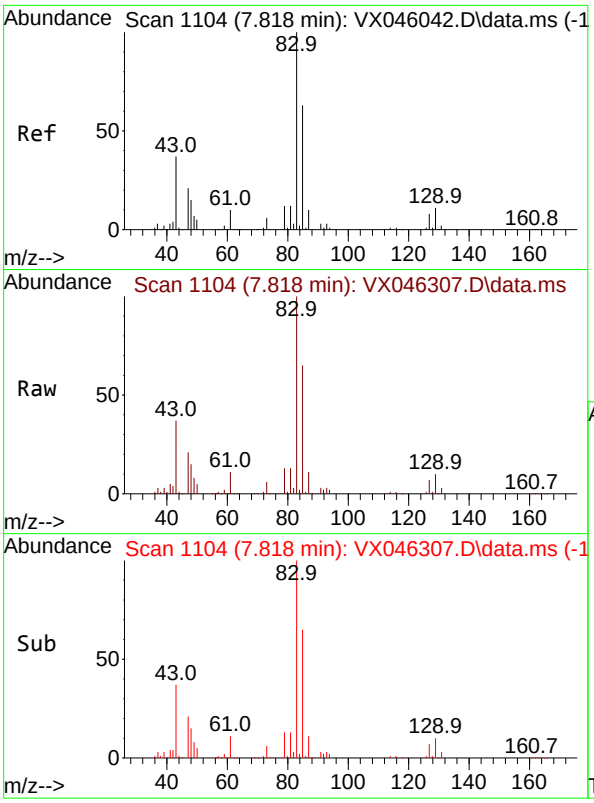


#46
Dibromomethane
Concen: 54.871 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 93 Resp: 43141

Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.6	98.4
174	84.9	68.2	102.2



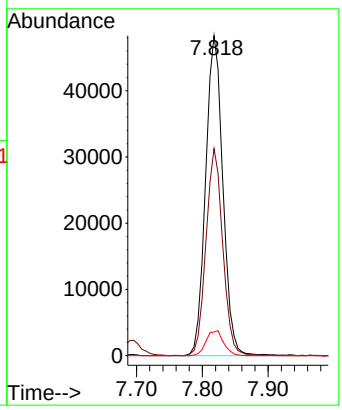


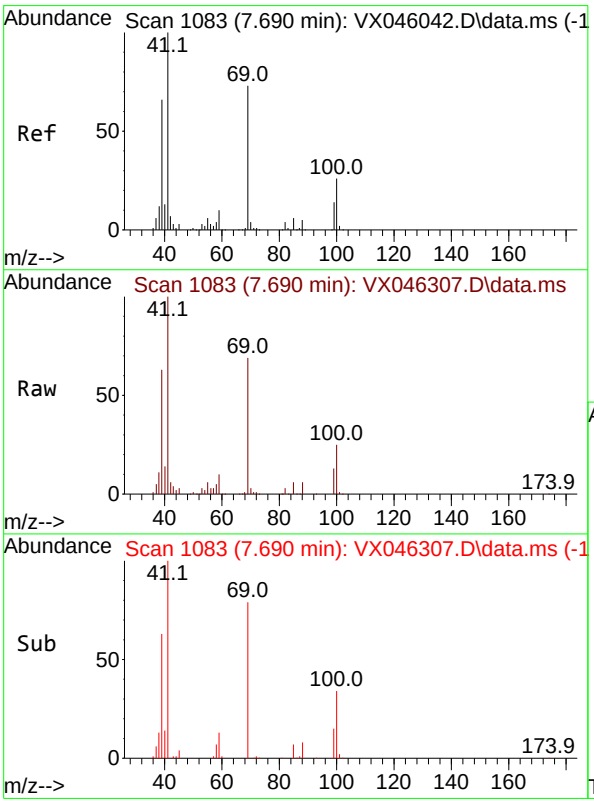
#47
Bromodichloromethane
Concen: 56.945 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 83 Resp: 88182

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.5	75.7
127	7.4	6.5	9.7

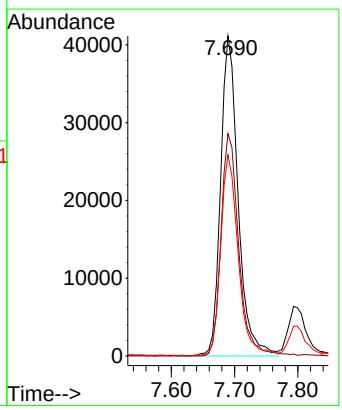


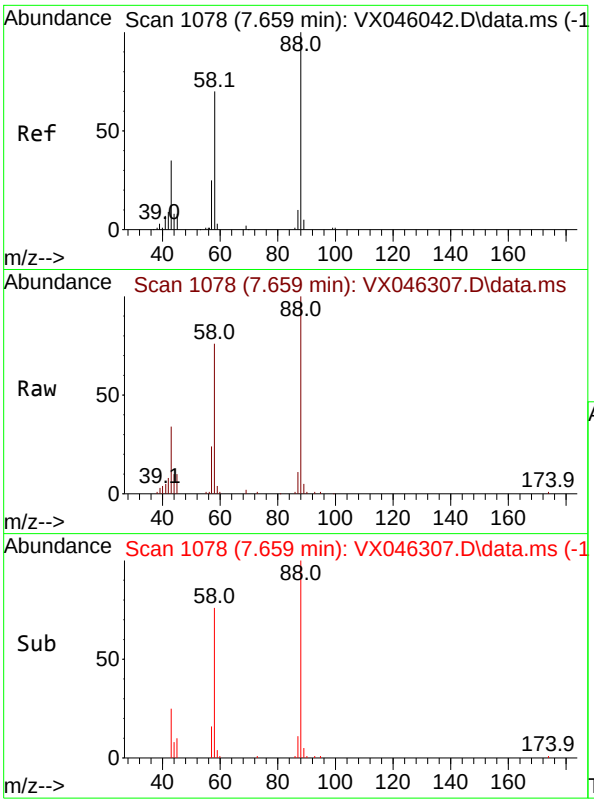


#48
Methyl methacrylate
Concen: 59.977 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 41 Resp: 79019

Ion	Ratio	Lower	Upper
41	100		
69	70.1	58.5	87.7
39	62.9	51.7	77.5



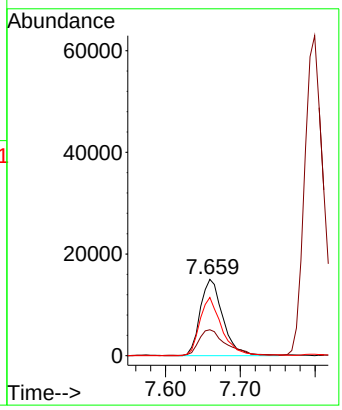


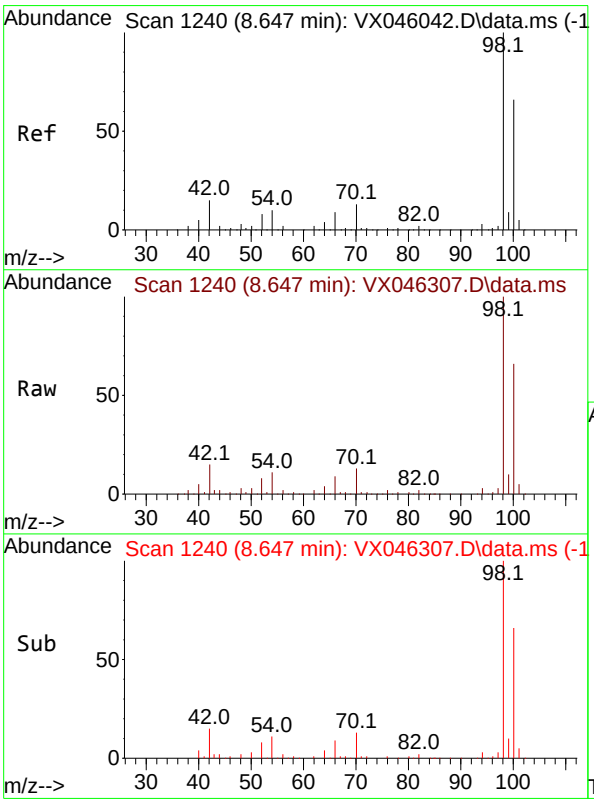
#49
1,4-Dioxane
Concen: 1263.501 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 88 Resp: 31607

Ion	Ratio	Lower	Upper
88	100		
43	41.6	33.4	50.2
58	73.9	58.6	88.0

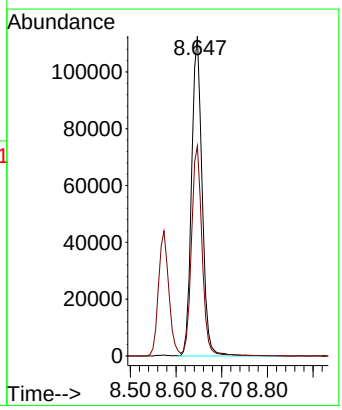


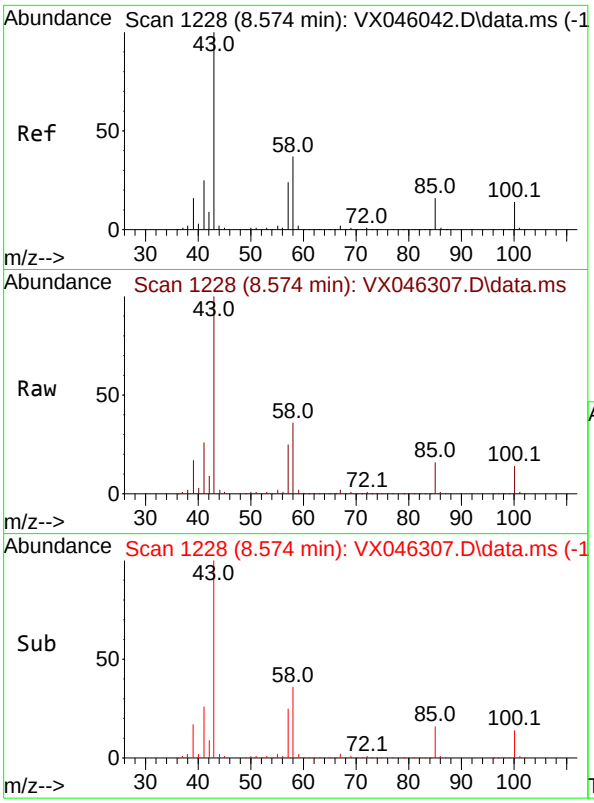


#50
Toluene-d8
Concen: 51.277 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 98 Resp: 180789

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.5	80.3



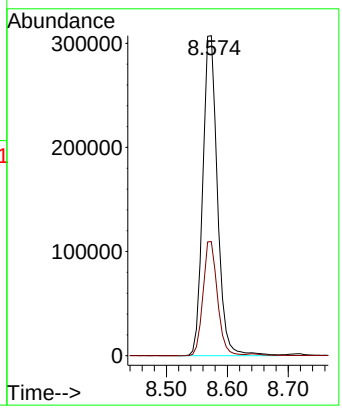


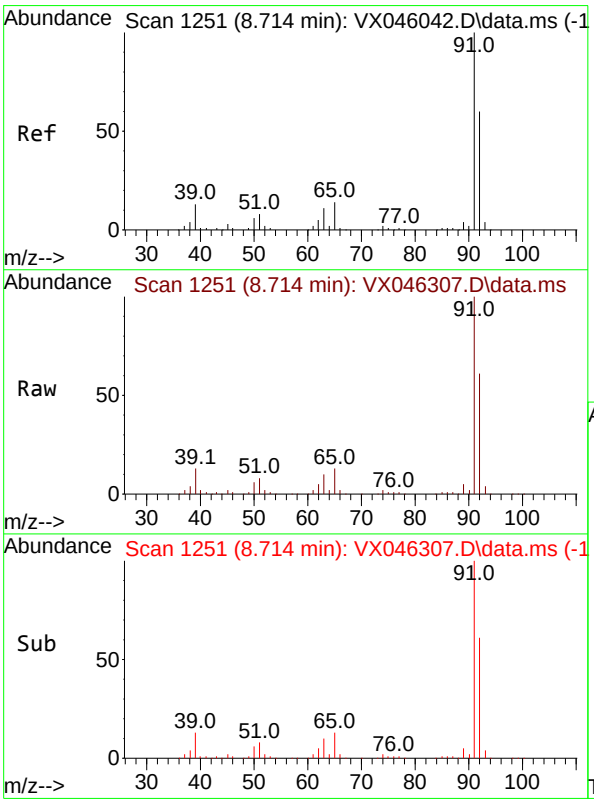
#51
4-Methyl-2-Pentanone
Concen: 300.280 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 43 Resp: 514194

Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.9	43.3

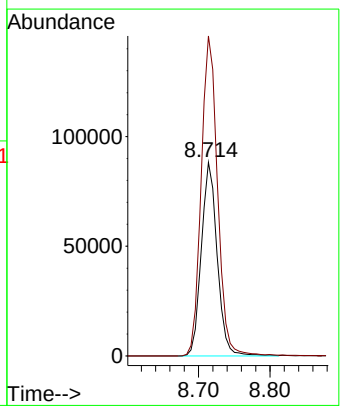


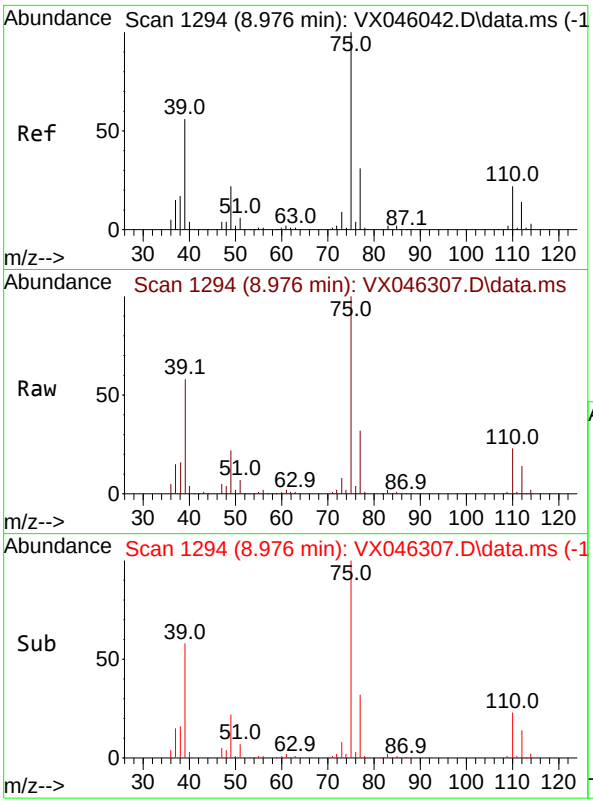


#52
Toluene
Concen: 55.389 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 92 Resp: 136159

Ion	Ratio	Lower	Upper
92	100		
91	171.1	136.6	205.0



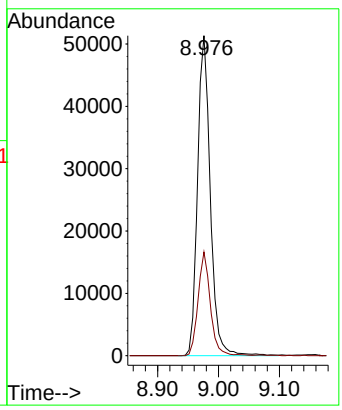


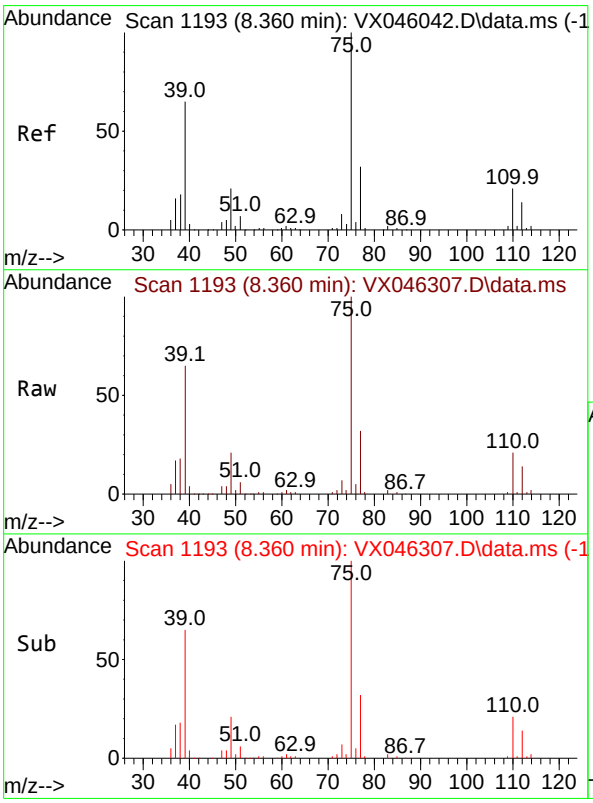
#53
t-1,3-Dichloropropene
Concen: 54.221 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 75 Resp: 74631

Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.6

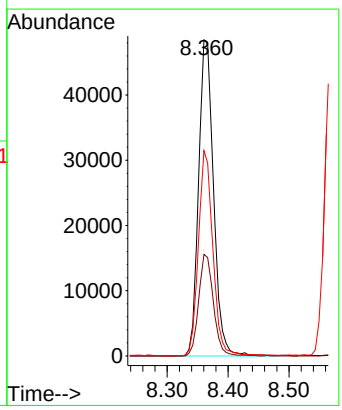


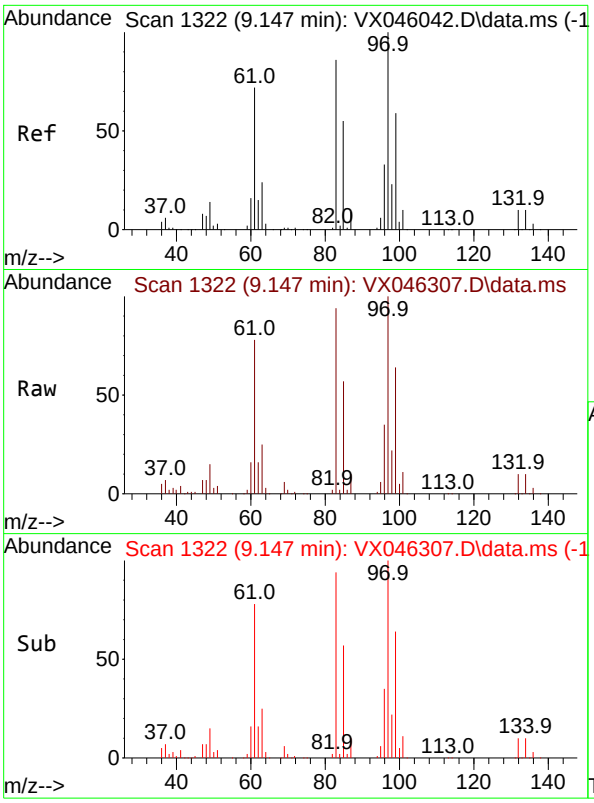


#54
cis-1,3-Dichloropropene
Concen: 54.392 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 75 Resp: 82745

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0
39	64.8	52.2	78.4



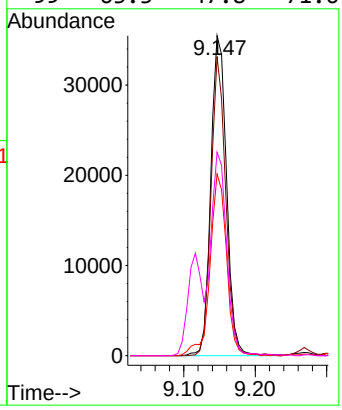


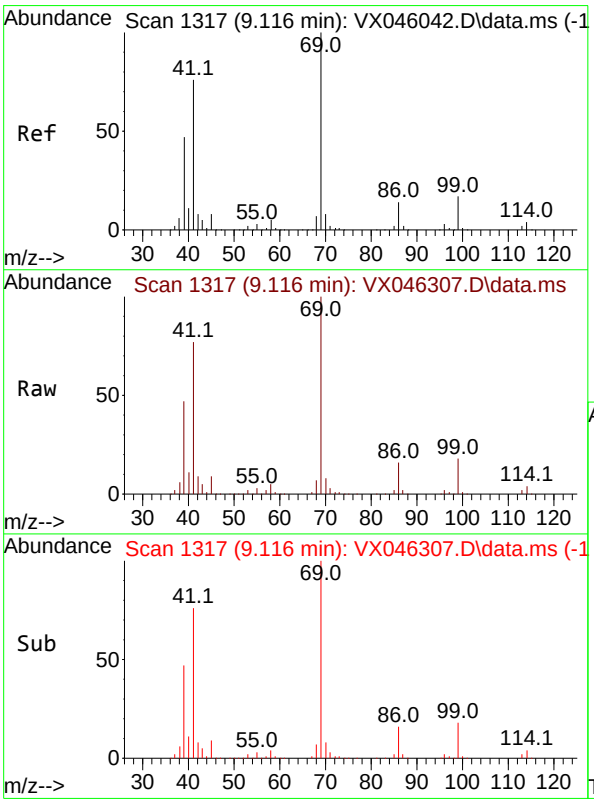
#55
1,1,2-Trichloroethane
Concen: 55.853 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 97 Resp: 54138

Ion	Ratio	Lower	Upper
97	100		
83	93.5	69.0	103.6
85	56.8	44.3	66.5
99	63.3	47.8	71.6

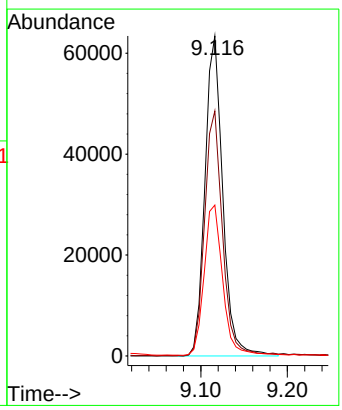


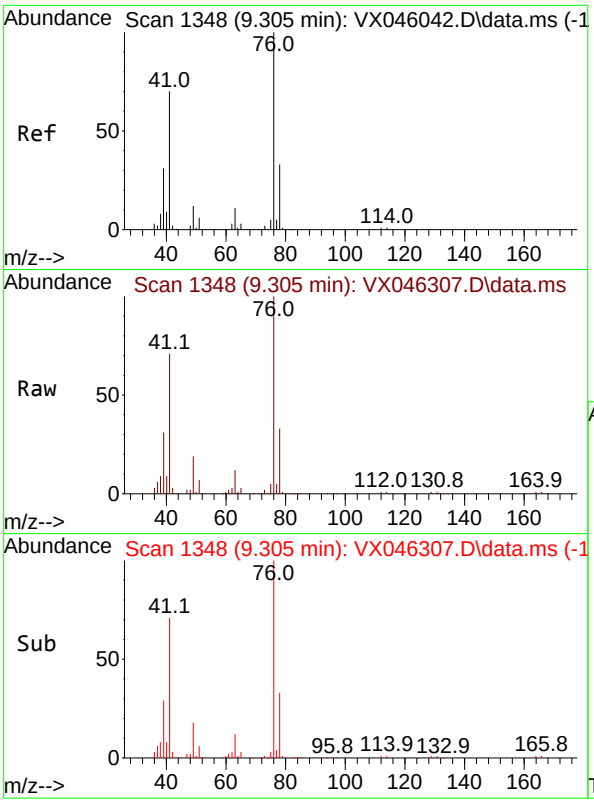


#56
Ethyl methacrylate
Concen: 58.651 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 69 Resp: 90607

Ion	Ratio	Lower	Upper
69	100		
41	78.2	60.8	91.2
39	49.0	39.0	58.6



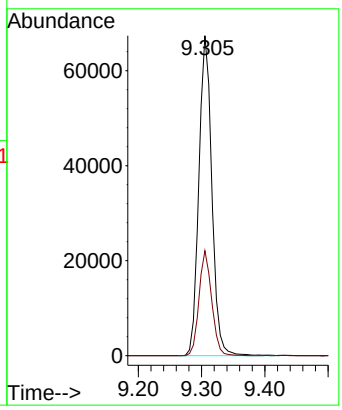


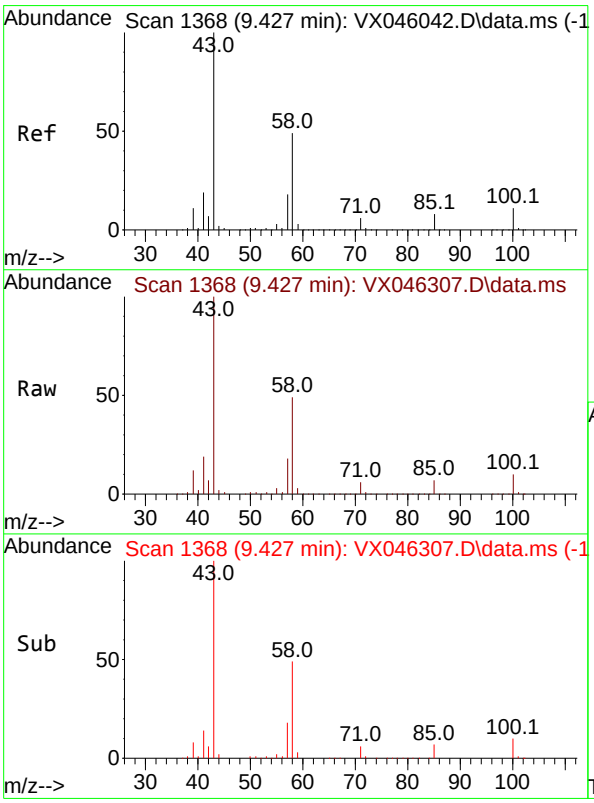
#57
1,3-Dichloropropane
Concen: 55.396 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 76 Resp: 96432

Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.3	39.5

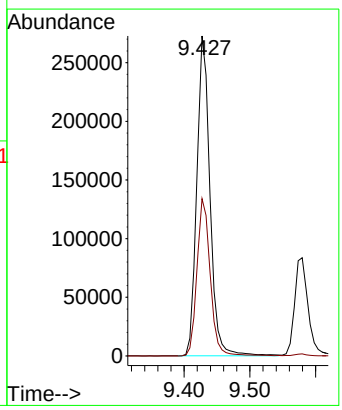


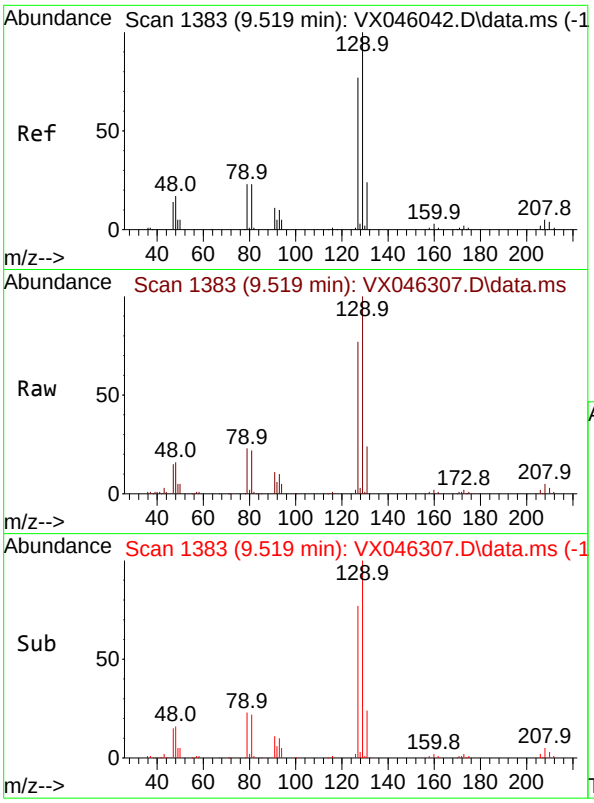


#59
2-Hexanone
Concen: 299.078 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 43 Resp: 378895

Ion	Ratio	Lower	Upper
43	100		
58	49.7	24.9	74.6



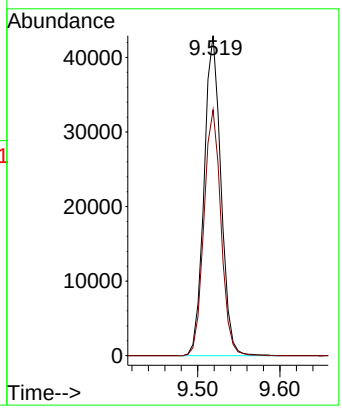


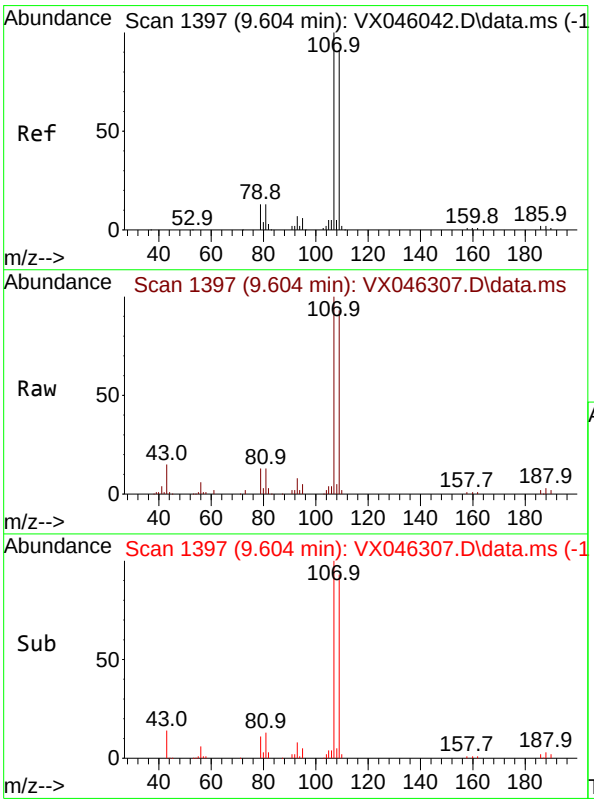
#60
Dibromochloromethane
Concen: 57.386 ug/l
RT: 9.519 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:129 Resp: 61088

Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.3	117.8

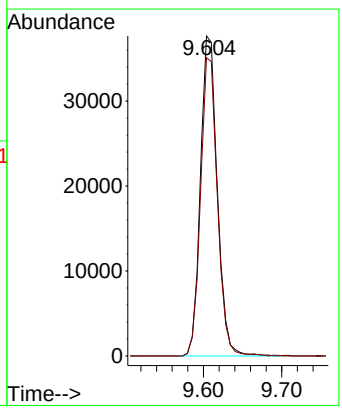


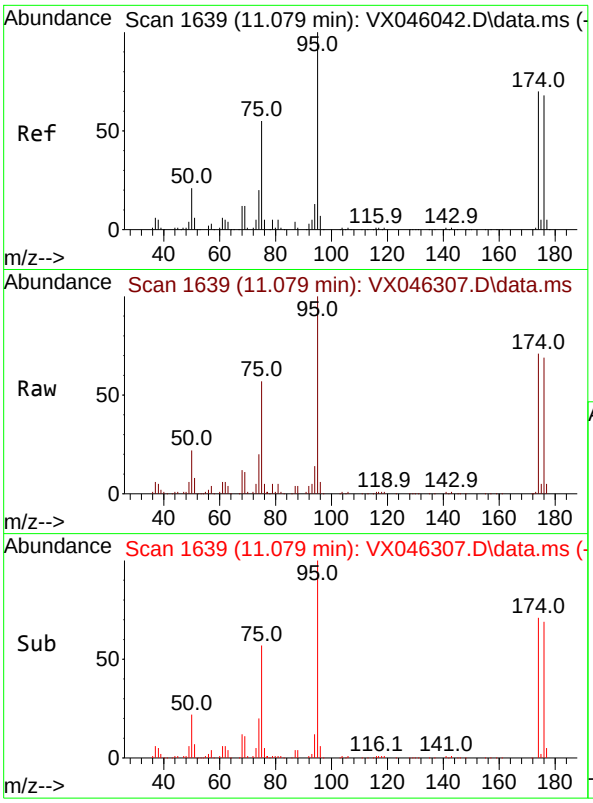


#61
1,2-Dibromoethane
Concen: 55.862 ug/l
RT: 9.604 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:107 Resp: 56278

Ion	Ratio	Lower	Upper
107	100		
109	92.8	73.3	109.9



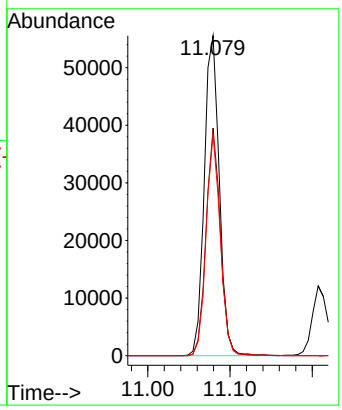


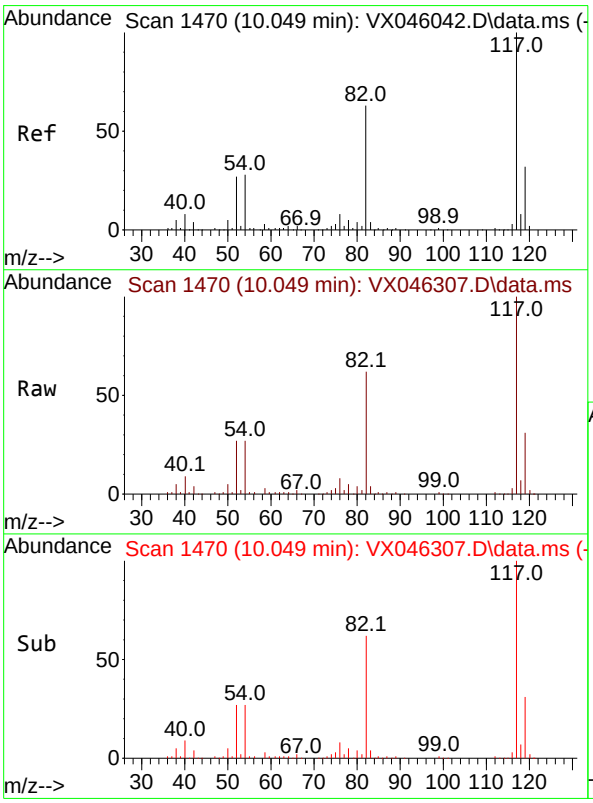
#62
4-Bromofluorobenzene
Concen: 52.140 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 95 Resp: 70515

Ion	Ratio	Lower	Upper
95	100		
174	67.6	0.0	135.8
176	65.1	0.0	131.4

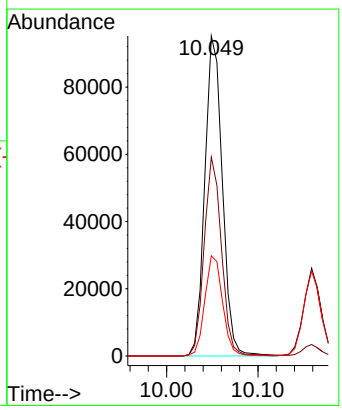


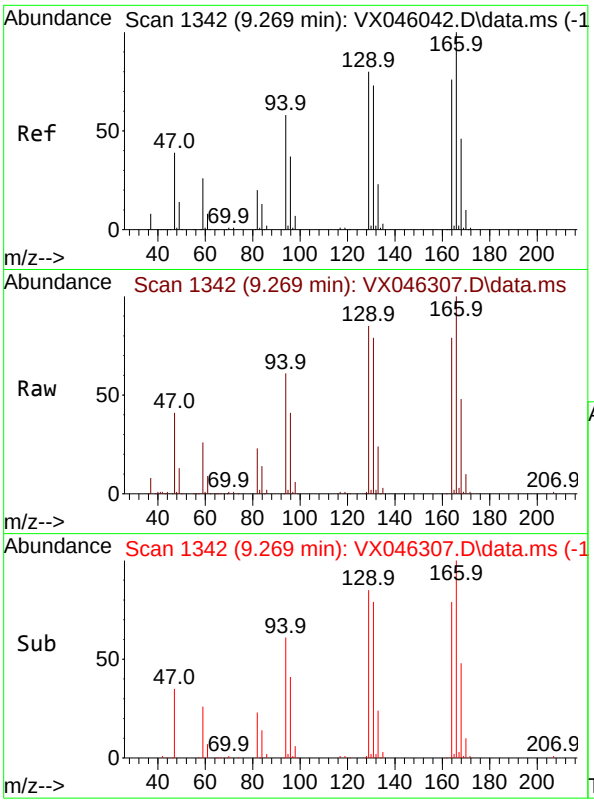


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:117 Resp: 126683

Ion	Ratio	Lower	Upper
117	100		
82	62.1	50.6	76.0
119	31.3	25.8	38.6



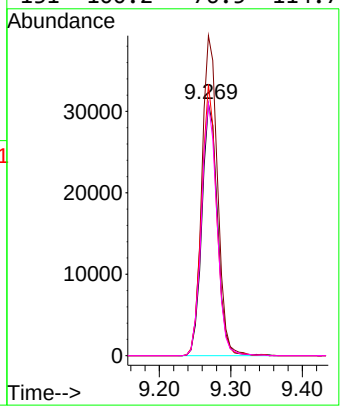


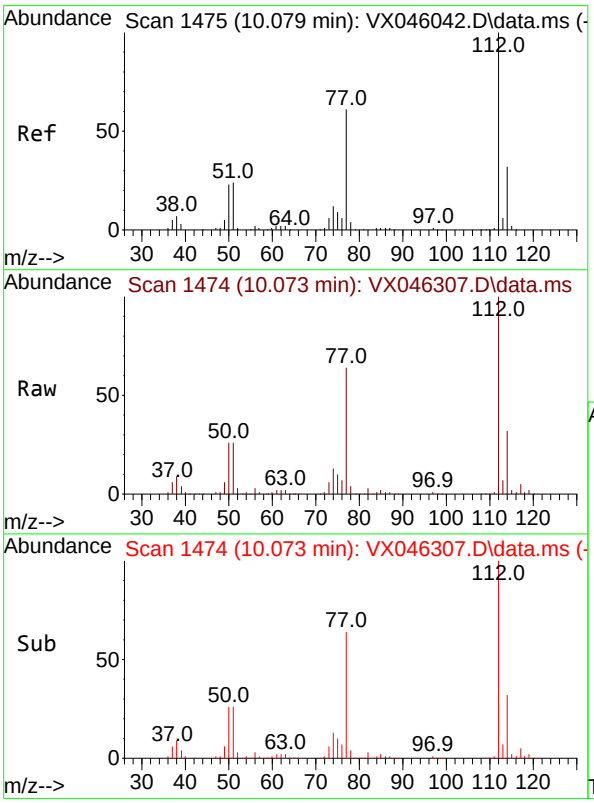
#64
Tetrachloroethene
Concen: 52.259 ug/l
RT: 9.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:164 Resp: 46842

Ion	Ratio	Lower	Upper
164	100		
166	127.0	105.0	157.6
129	107.7	83.5	125.3
131	100.2	76.5	114.7

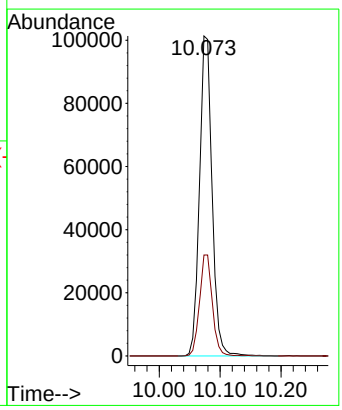


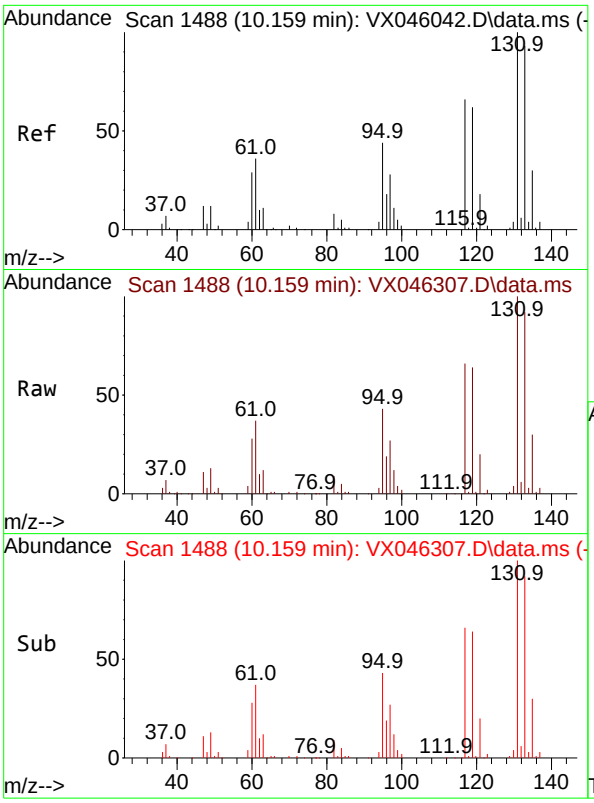


#65
Chlorobenzene
Concen: 52.474 ug/l
RT: 10.073 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:112 Resp: 145499

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.4	38.2



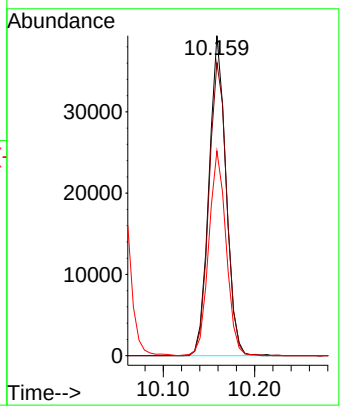


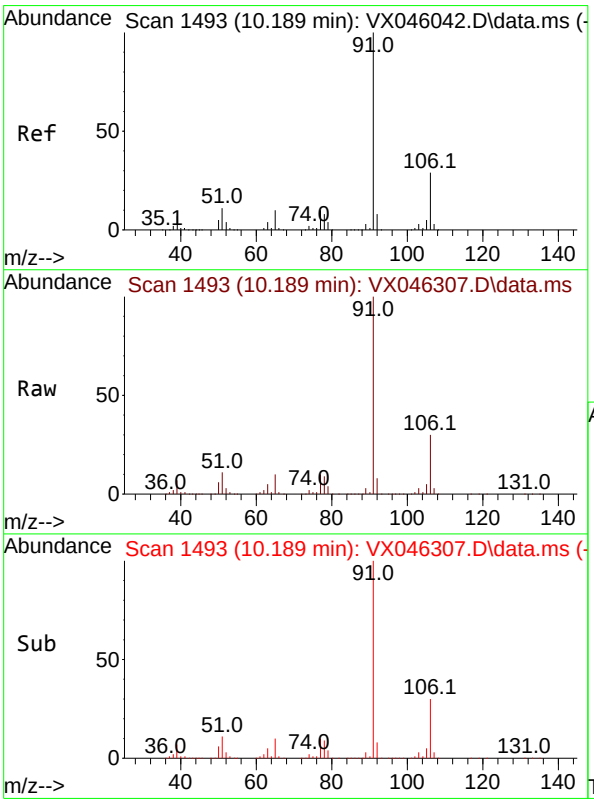
#66
1,1,1,2-Tetrachloroethane
Concen: 53.606 ug/l
RT: 10.159 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:131 Resp: 50755

Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.3	141.9
119	65.5	31.6	95.0

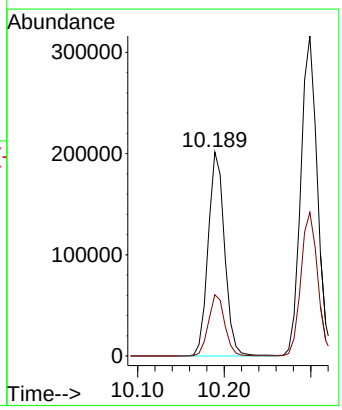


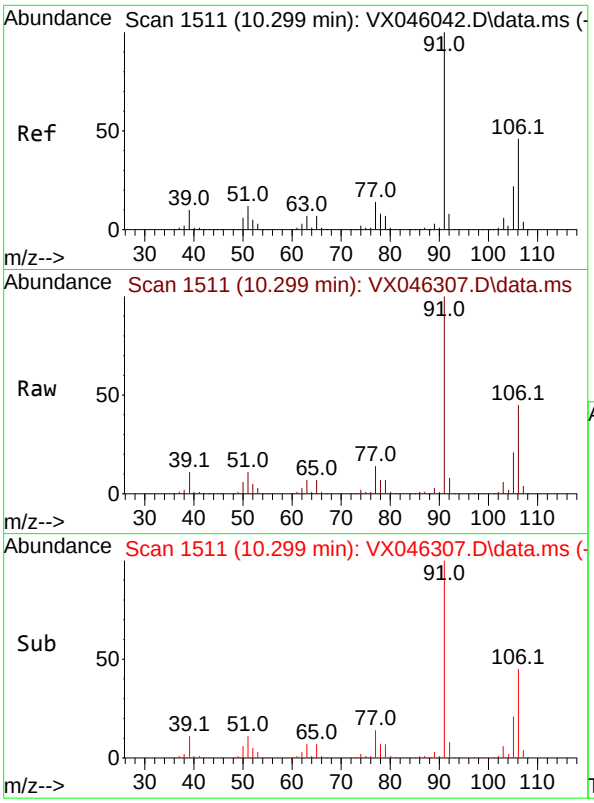


#67
Ethyl Benzene
Concen: 54.309 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 91 Resp: 265445

Ion	Ratio	Lower	Upper
91	100		
106	30.0	23.4	35.2



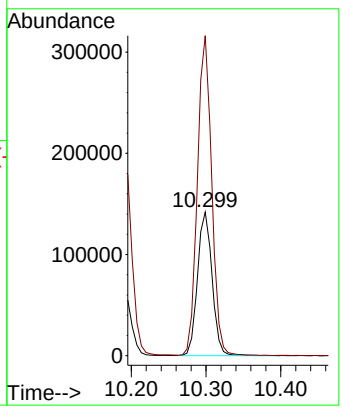


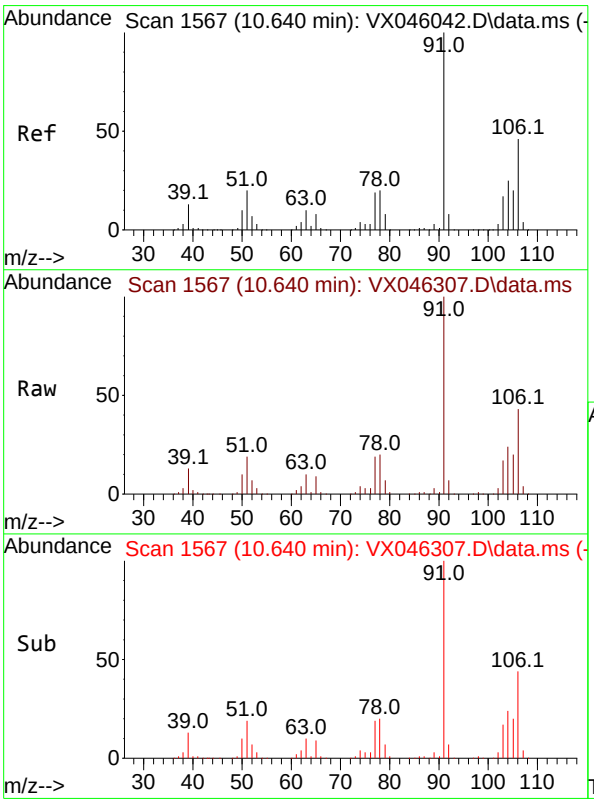
#68
m/p-Xylenes
Concen: 107.381 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:106 Resp: 191957

Ion	Ratio	Lower	Upper
106	100		
91	218.7	171.2	256.8

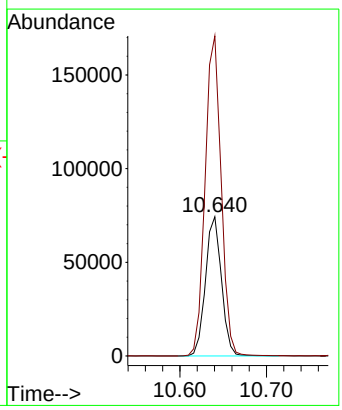


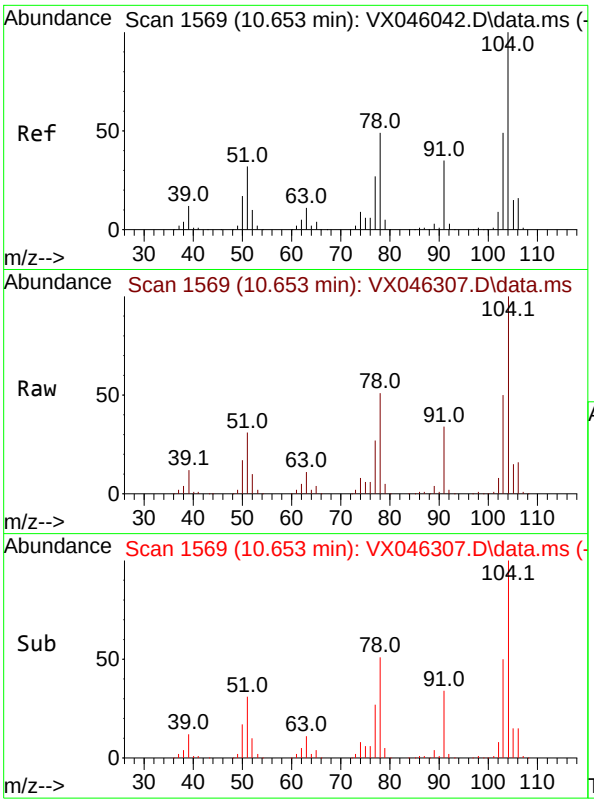


#69
o-Xylene
Concen: 54.671 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:106 Resp: 95278

Ion	Ratio	Lower	Upper
106	100		
91	231.0	112.7	338.1



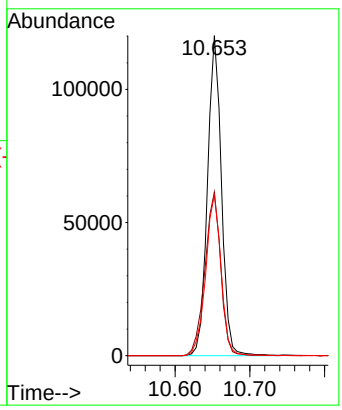


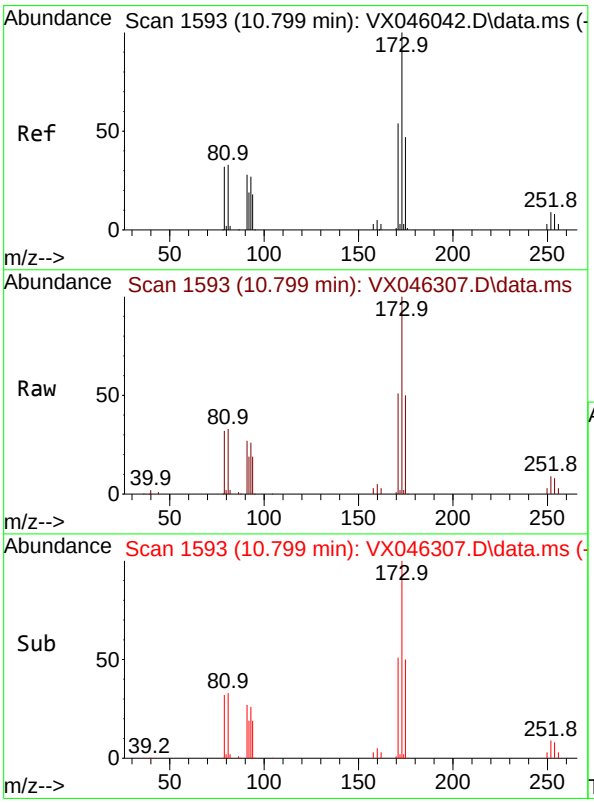
#70
Styrene
Concen: 54.610 ug/l
RT: 10.653 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:104 Resp: 155904

Ion	Ratio	Lower	Upper
104	100		
78	58.0	45.7	68.5
103	55.5	43.7	65.5

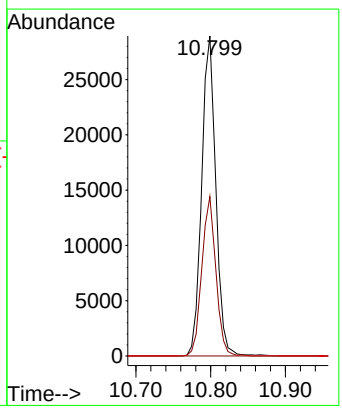


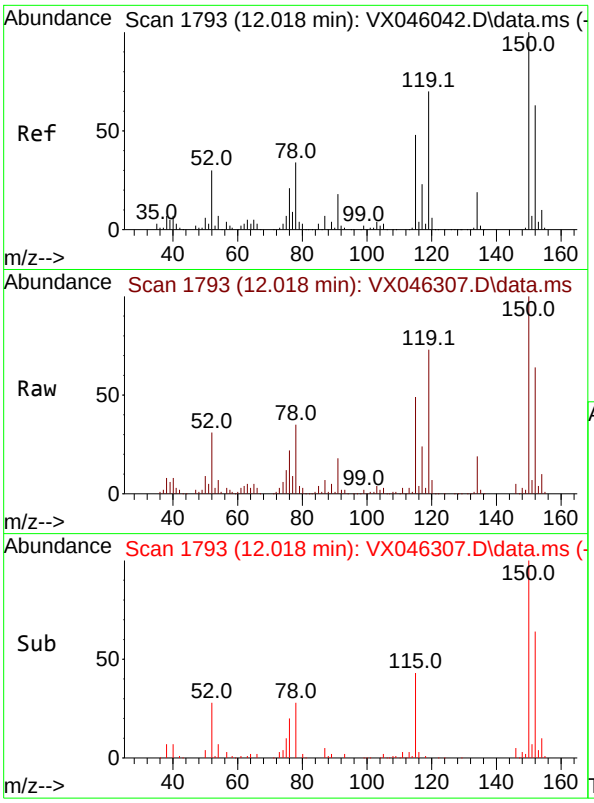


#71
Bromoform
Concen: 53.433 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:173 Resp: 37983

Ion	Ratio	Lower	Upper
173	100		
175	49.6	23.4	70.0
254	0.0	0.0	0.0



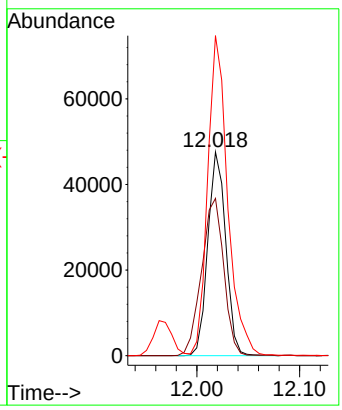


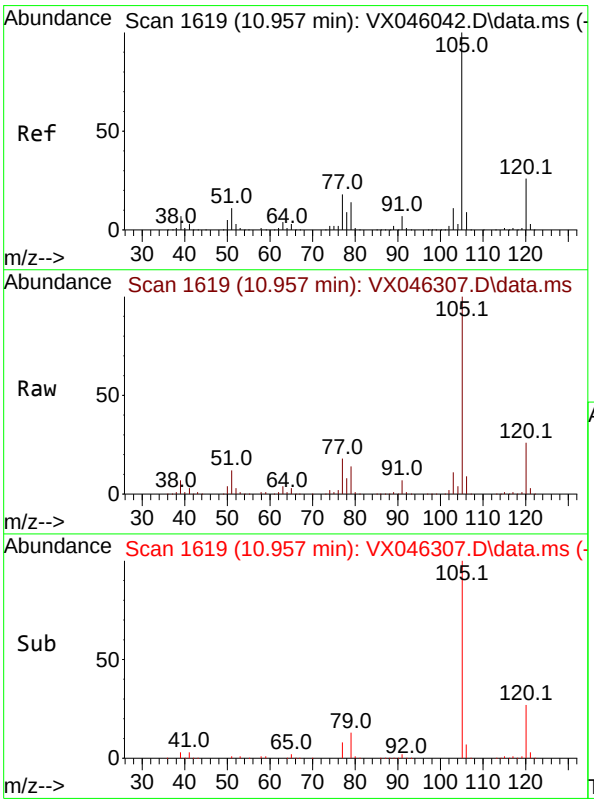
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:152 Resp: 57803

Ion	Ratio	Lower	Upper
152	100		
115	95.6	46.9	140.7
150	175.1	0.0	351.0

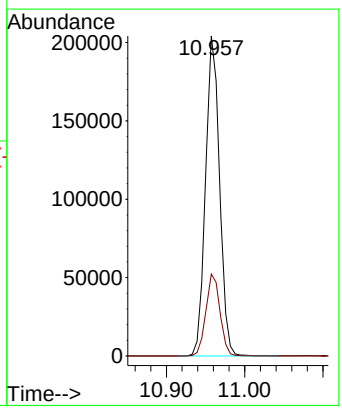


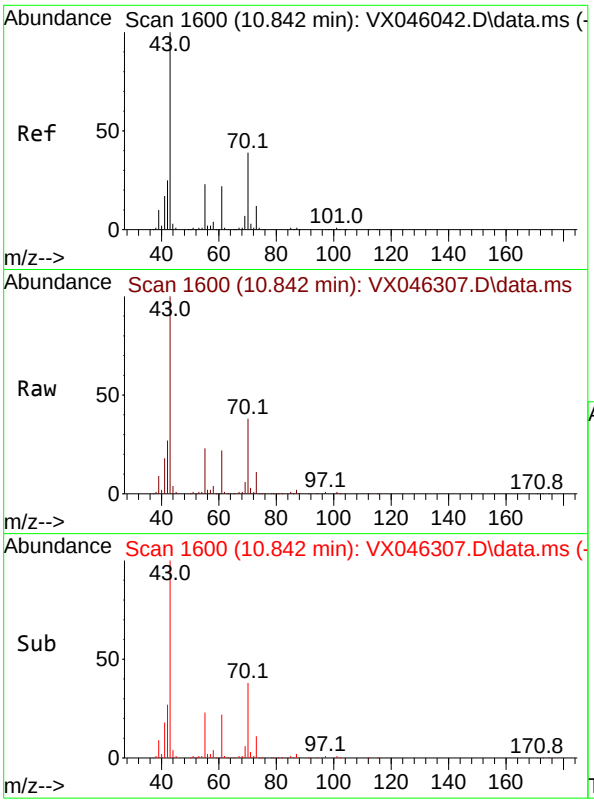


#73
Isopropylbenzene
Concen: 56.332 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:105 Resp: 253501

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.8	38.4



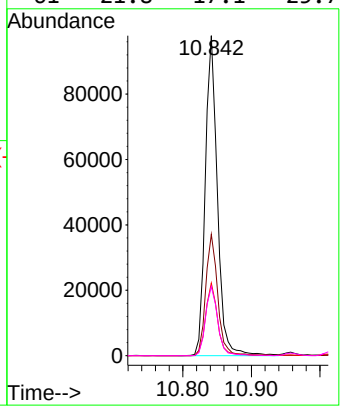


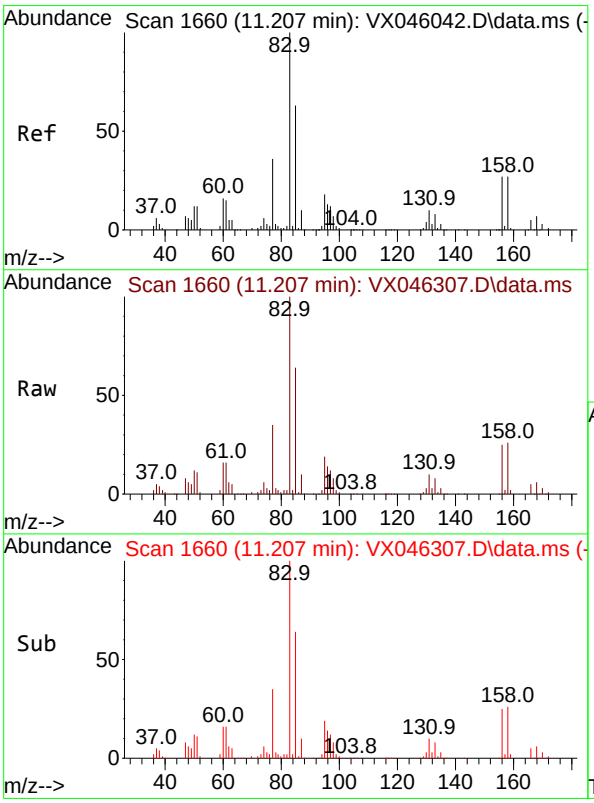
#74
N-amyl acetate
Concen: 54.008 ug/l
RT: 10.842 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 43 Resp: 120099

Ion	Ratio	Lower	Upper
43	100		
70	37.8	30.9	46.3
55	22.8	18.7	28.1
61	21.8	17.1	25.7

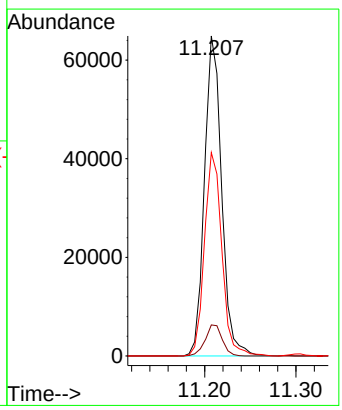


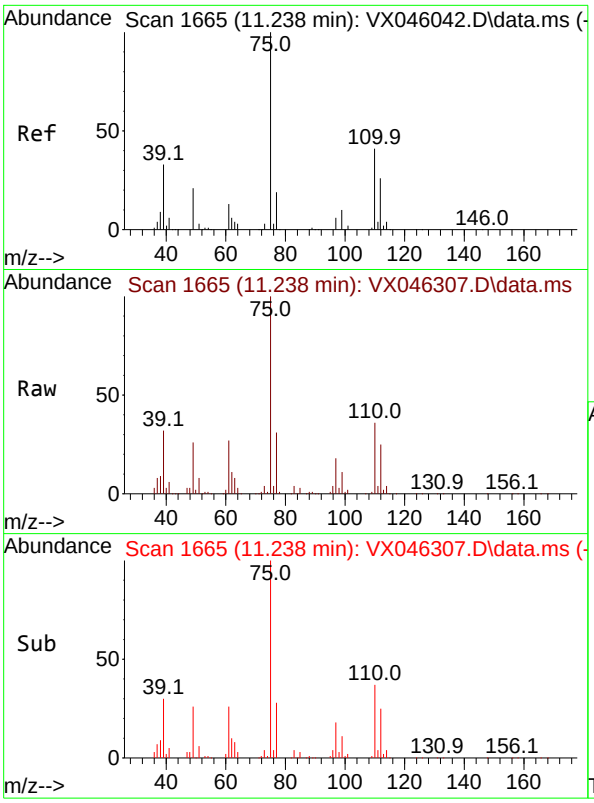


#75
1,1,2,2-Tetrachloroethane
Concen: 53.717 ug/l
RT: 11.207 min Scan# 1660
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 83 Resp: 84712

Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	14.9
85	64.4	31.9	95.7



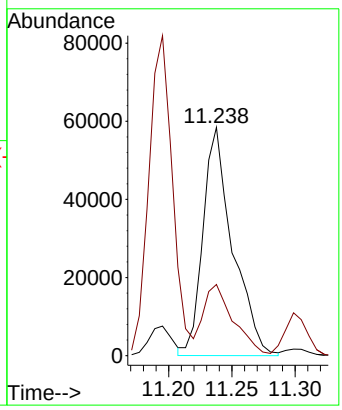


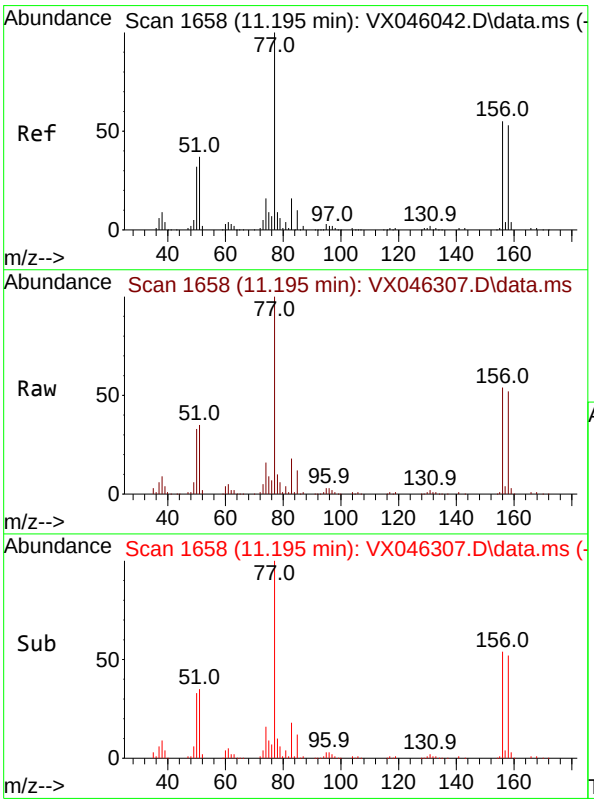
#76
1,2,3-Trichloropropane
Concen: 68.508 ug/l
RT: 11.238 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 75 Resp: 95318

Ion	Ratio	Lower	Upper
75	100		
77	31.6	20.5	61.5

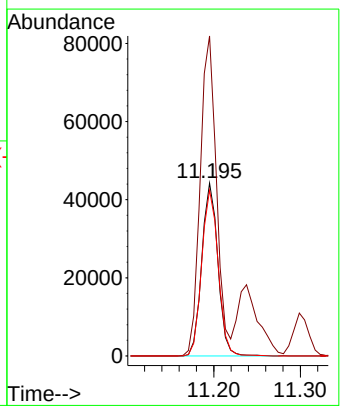


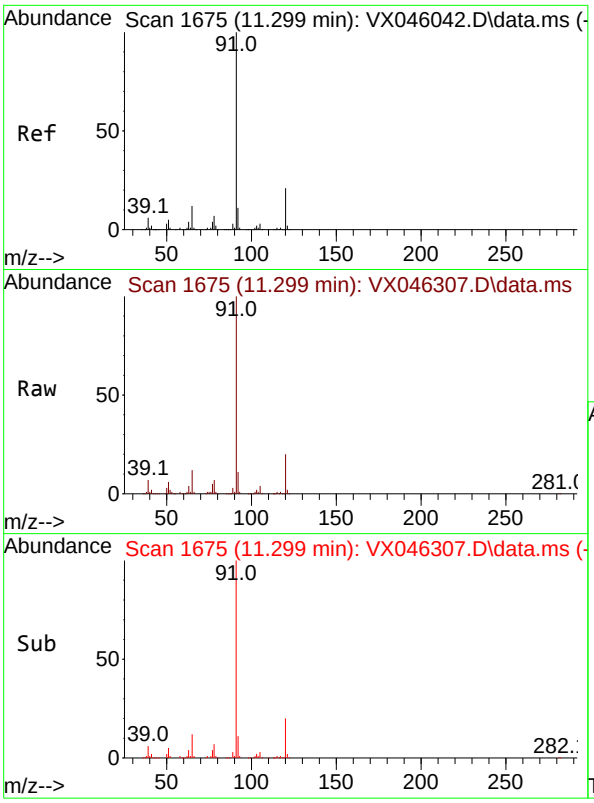


#77
Bromobenzene
Concen: 54.649 ug/l
RT: 11.195 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:156 Resp: 57095

Ion	Ratio	Lower	Upper
156	100		
77	187.3	92.8	278.3
158	98.3	48.8	146.3



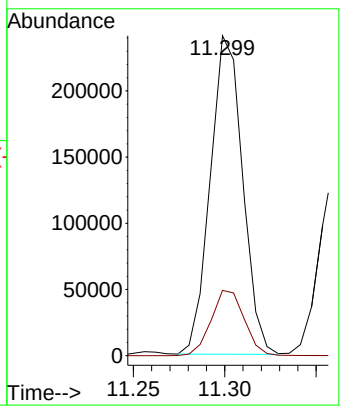


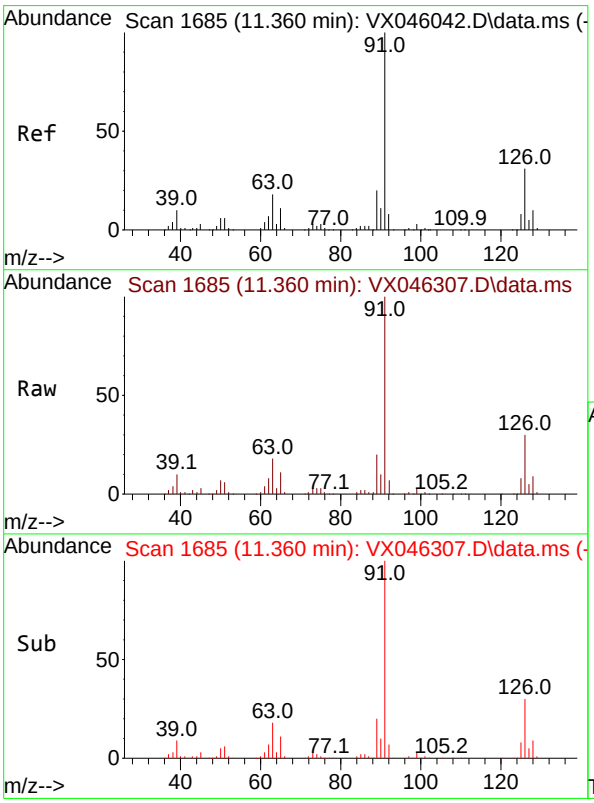
#78
n-propylbenzene
Concen: 56.708 ug/l
RT: 11.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 91 Resp: 296726

Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.8	32.4

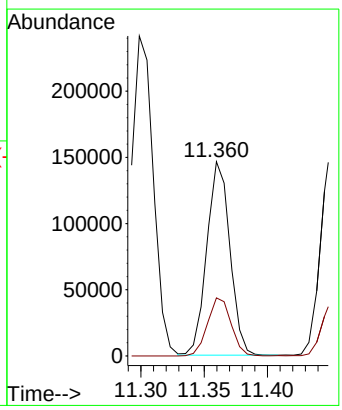


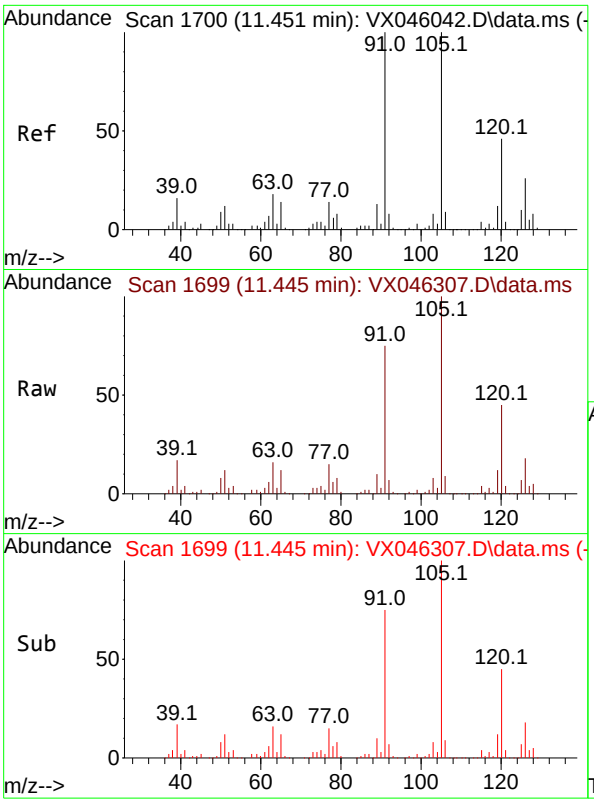


#79
2-Chlorotoluene
Concen: 54.971 ug/l
RT: 11.360 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 91 Resp: 185527

Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.6	46.7



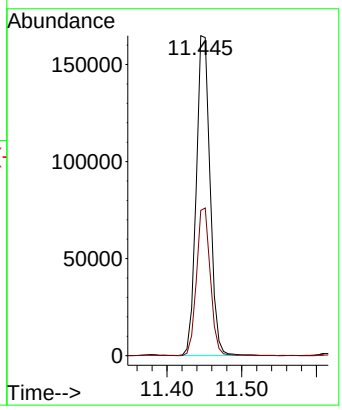


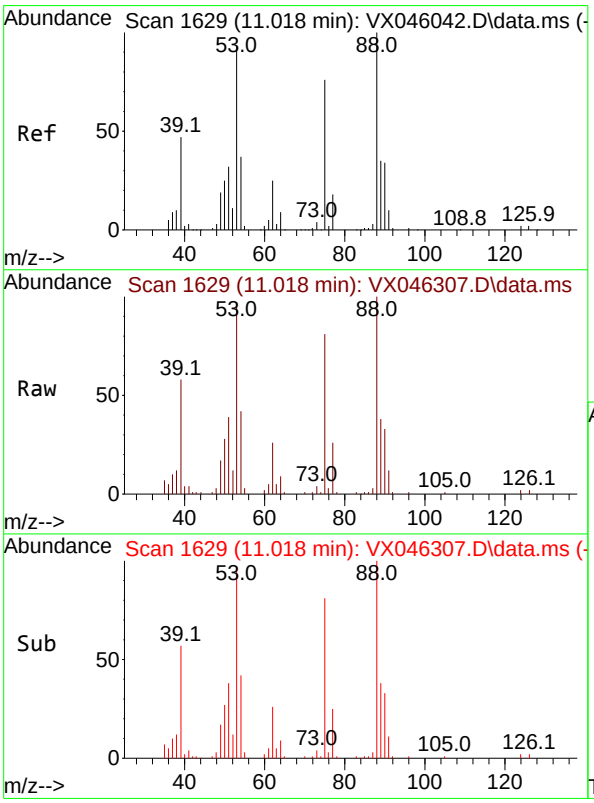
#80
1,3,5-Trimethylbenzene
Concen: 56.283 ug/l
RT: 11.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:105 Resp: 211600

Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2

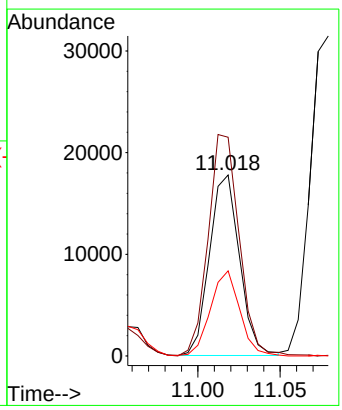


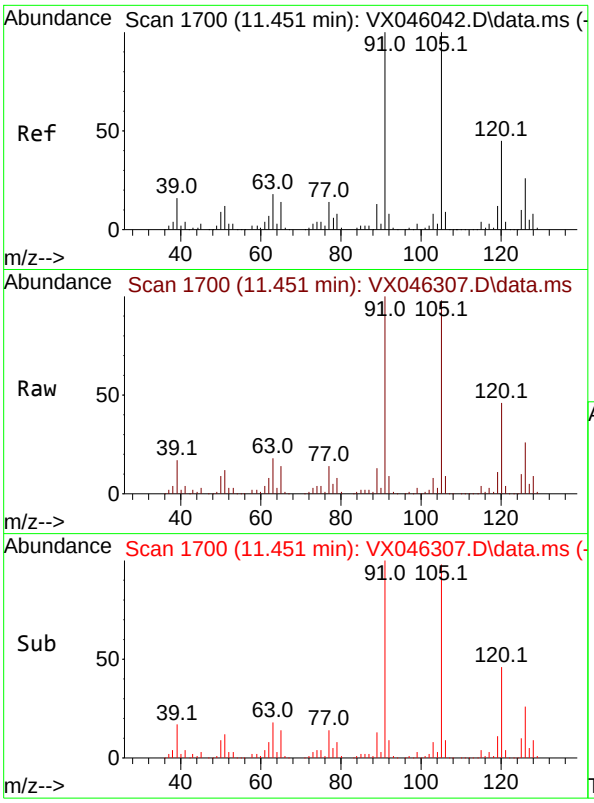


#81
trans-1,4-Dichloro-2-butene
Concen: 52.775 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 75 Resp: 22554

Ion	Ratio	Lower	Upper
75	100		
53	126.5	100.5	150.7
89	46.0	37.0	55.6



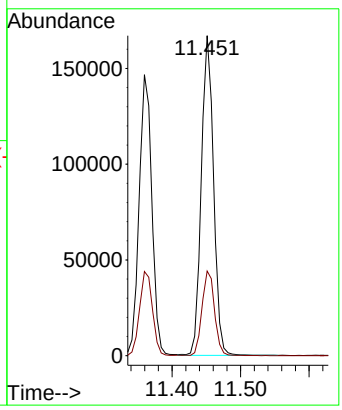


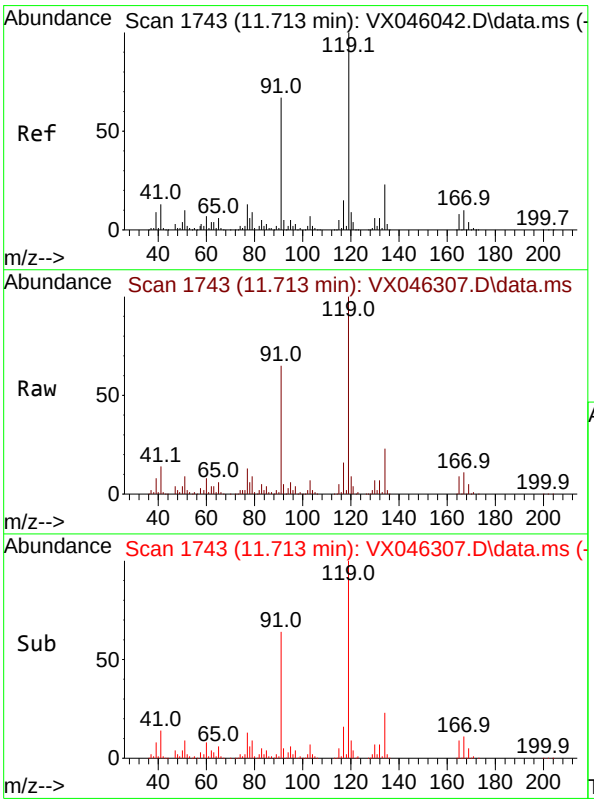
#82
4-Chlorotoluene
Concen: 55.636 ug/l
RT: 11.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 91 Resp: 208231

Ion	Ratio	Lower	Upper
91	100		
126	27.2	13.3	39.8

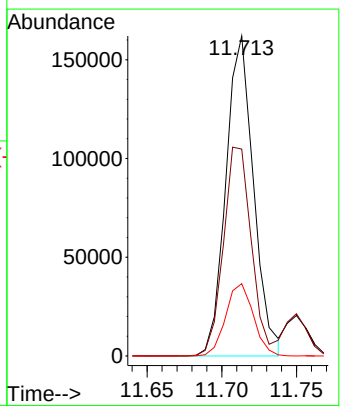


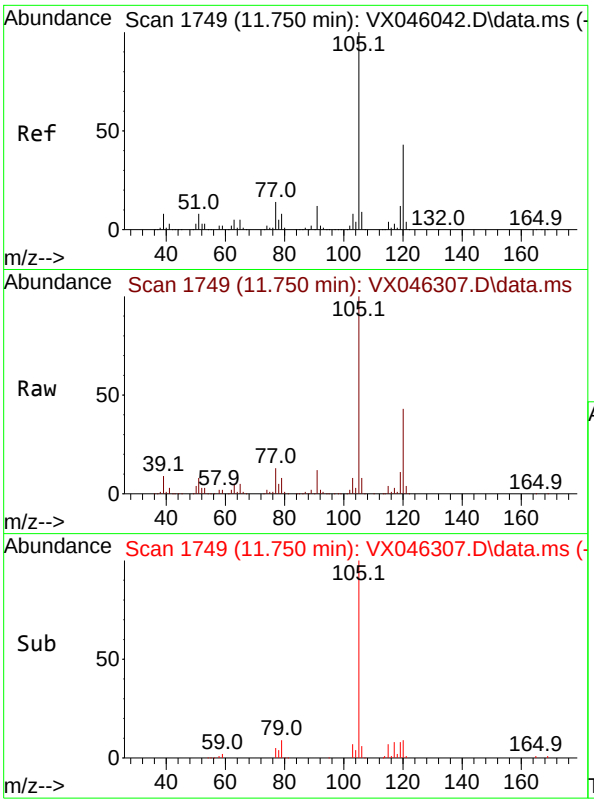


#83
tert-Butylbenzene
Concen: 55.173 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:119 Resp: 208936

Ion	Ratio	Lower	Upper
119	100		
91	65.5	32.9	98.7
134	22.6	11.4	34.1



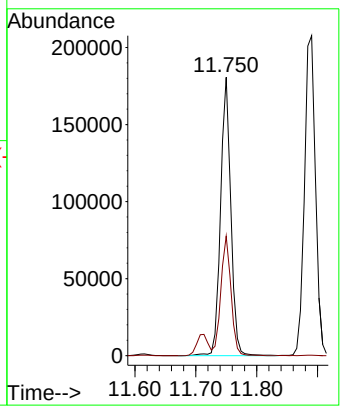


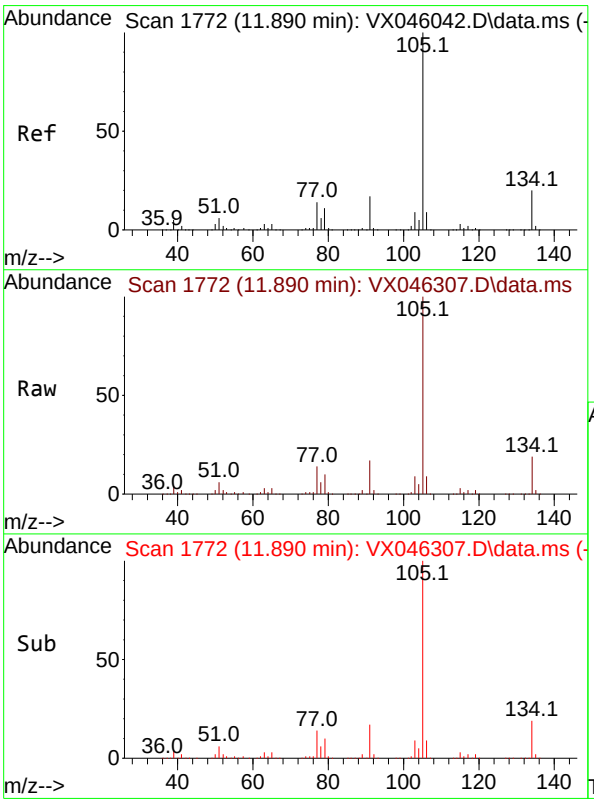
#84
1,2,4-Trimethylbenzene
Concen: 55.669 ug/l
RT: 11.750 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:105 Resp: 211945

Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.2	63.6

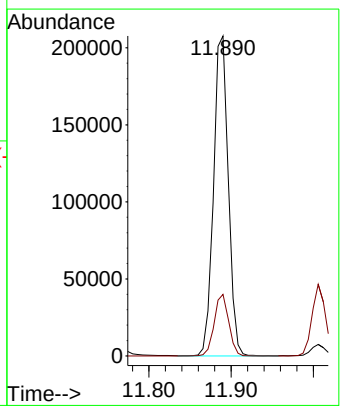


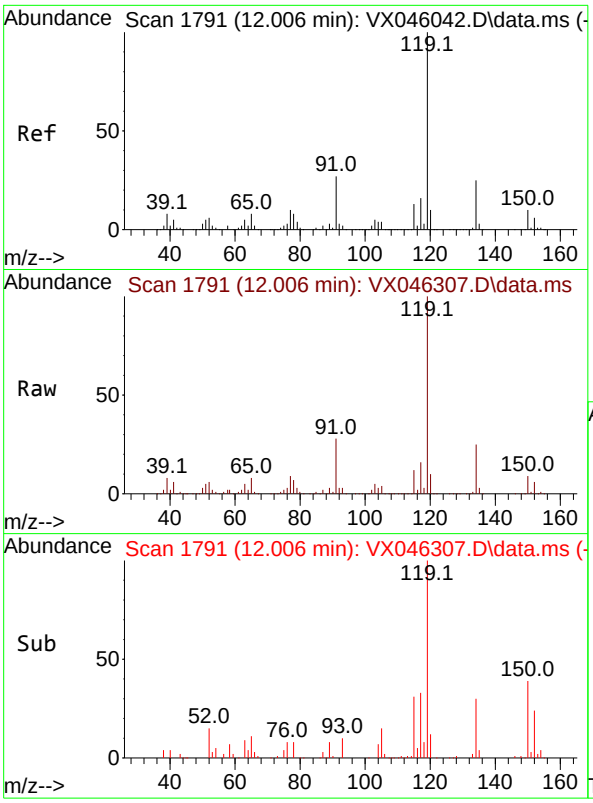


#85
sec-Butylbenzene
Concen: 55.783 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:105 Resp: 259376

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	29.1



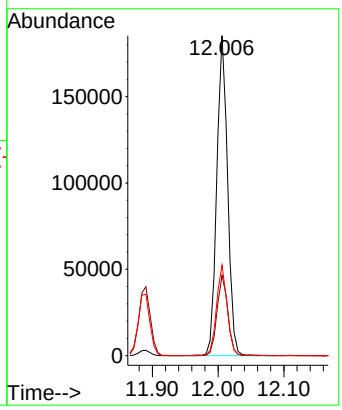


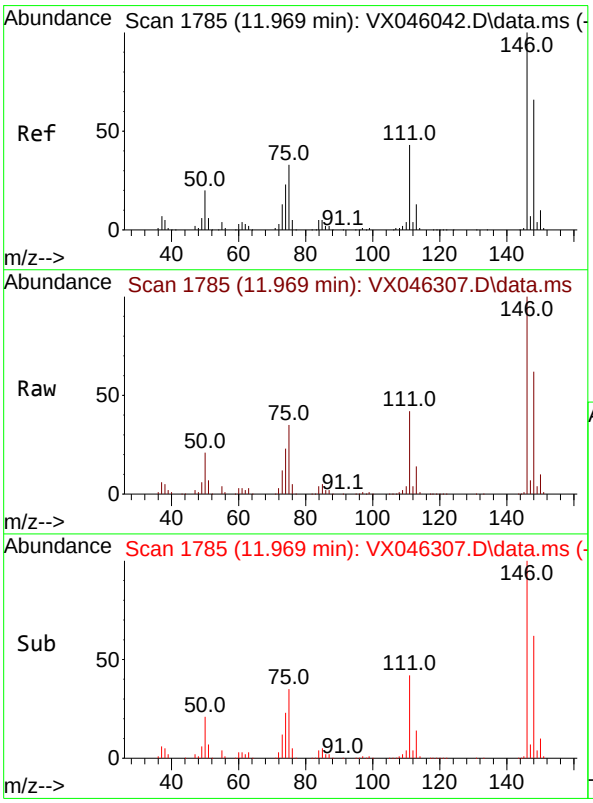
#86
p-Isopropyltoluene
Concen: 55.338 ug/l
RT: 12.006 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:119 Resp: 212388

Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	27.6	13.8	41.4

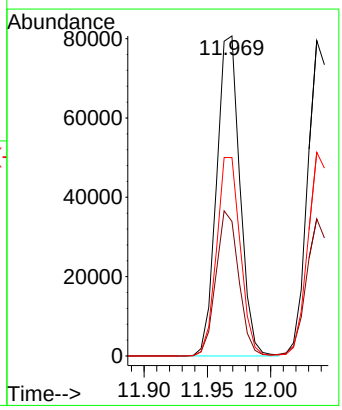


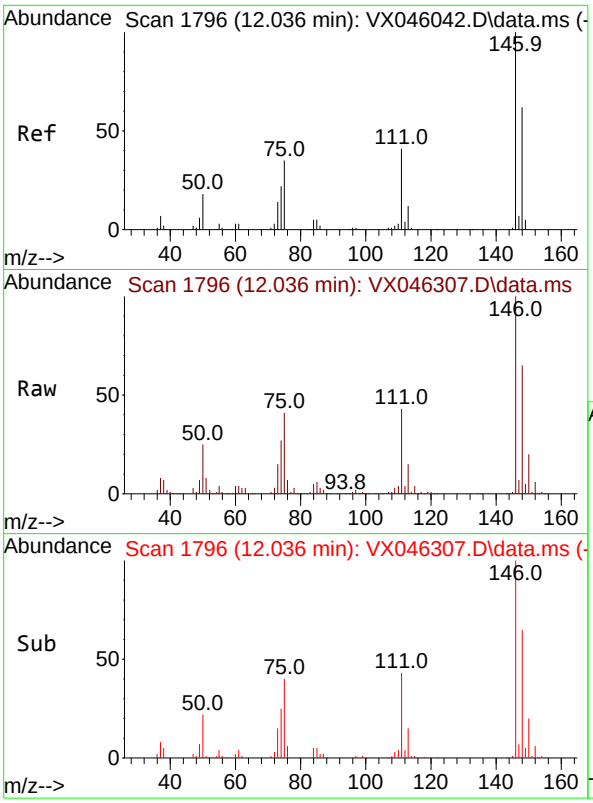


#87
1,3-Dichlorobenzene
Concen: 54.123 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:146 Resp: 103199

Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.1	66.3
148	62.9	32.1	96.5



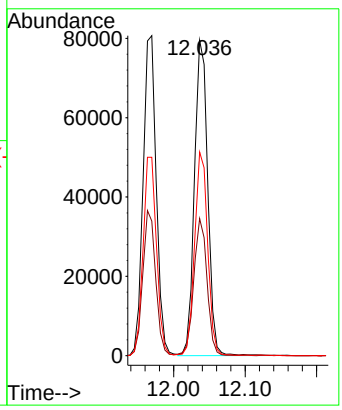


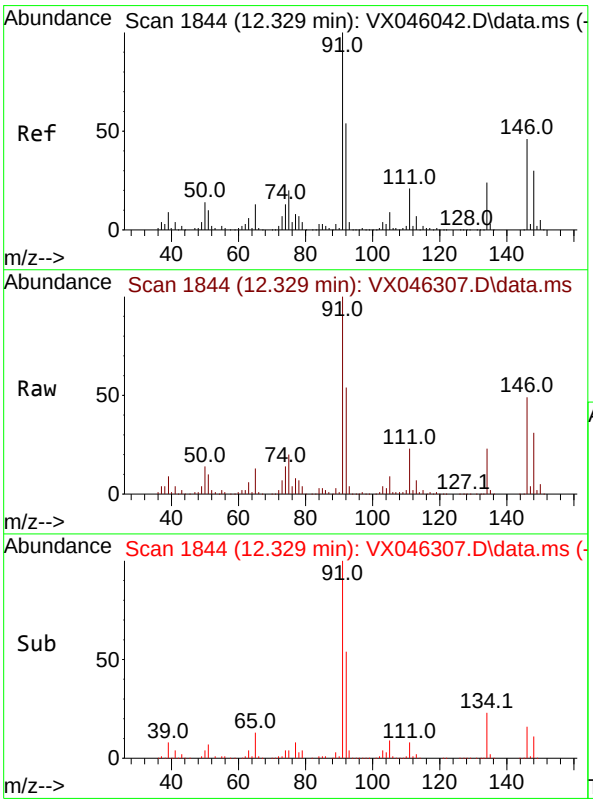
#88
1,4-Dichlorobenzene
Concen: 52.526 ug/l
RT: 12.036 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:146 Resp: 102282

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.3	63.9
148	63.6	31.9	95.5

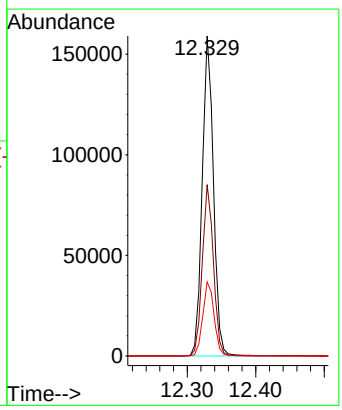


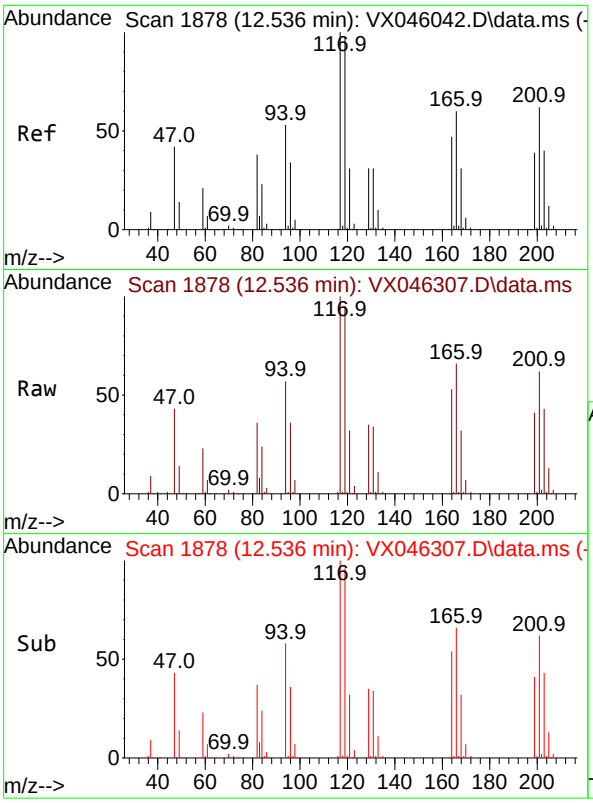


#89
n-Butylbenzene
Concen: 53.820 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion: 91 Resp: 181190

Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.9	80.7
134	23.4	11.8	35.3



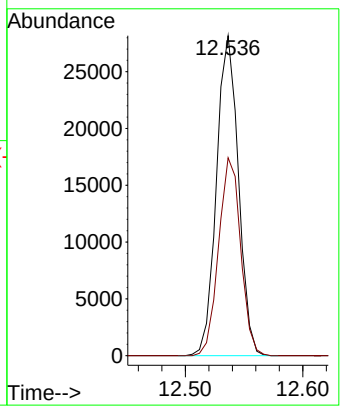


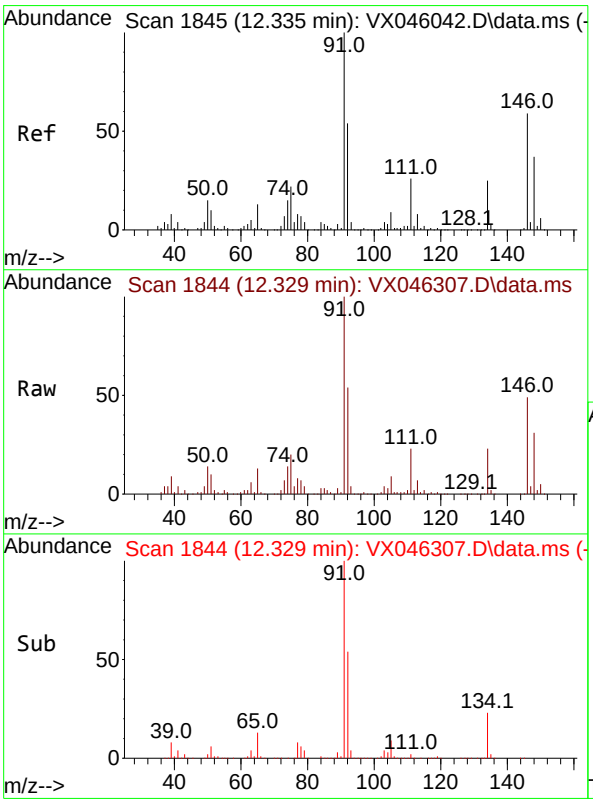
#90
Hexachloroethane
Concen: 54.032 ug/l
RT: 12.536 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:117 Resp: 36535

Ion	Ratio	Lower	Upper
117	100		
201	62.3	31.6	94.7

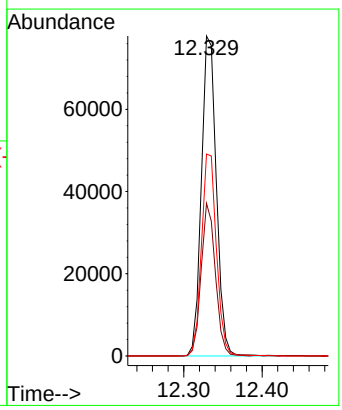


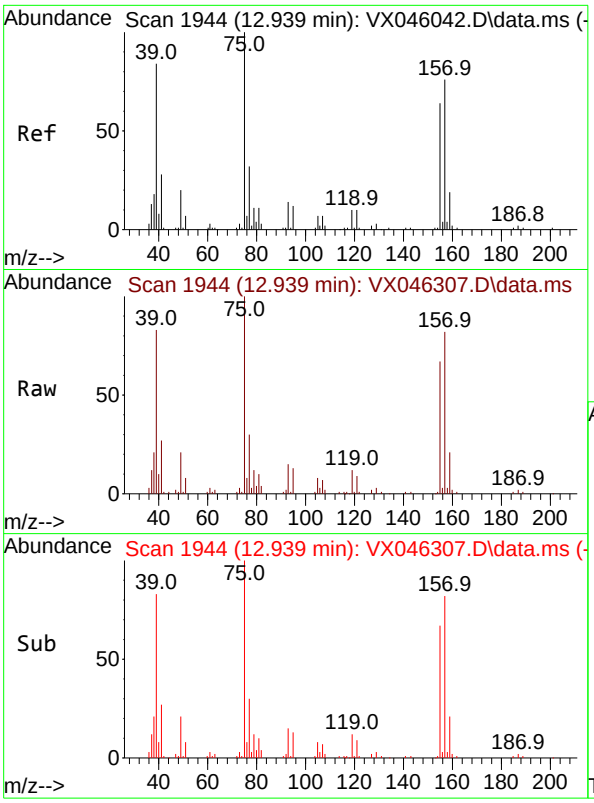


#91
1,2-Dichlorobenzene
Concen: 53.854 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:146 Resp: 103043

Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.4	67.3
148	63.4	31.6	94.8



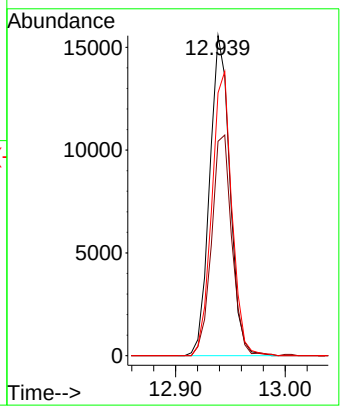


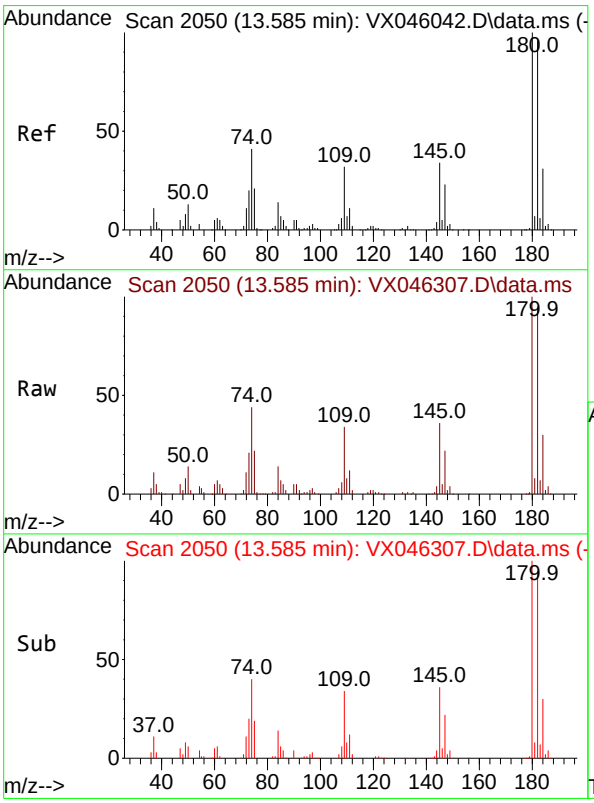
#92
1,2-Dibromo-3-Chloropropane
Concen: 57.053 ug/l
RT: 12.939 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion: 75 Resp: 19932

Ion	Ratio	Lower	Upper
75	100		
155	69.4	34.9	104.8
157	88.3	43.8	131.4

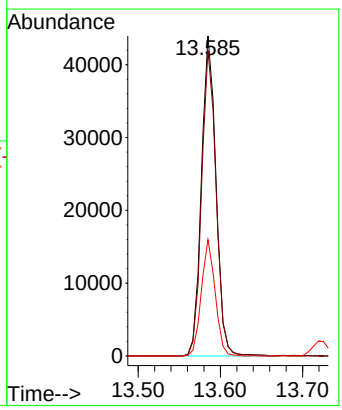


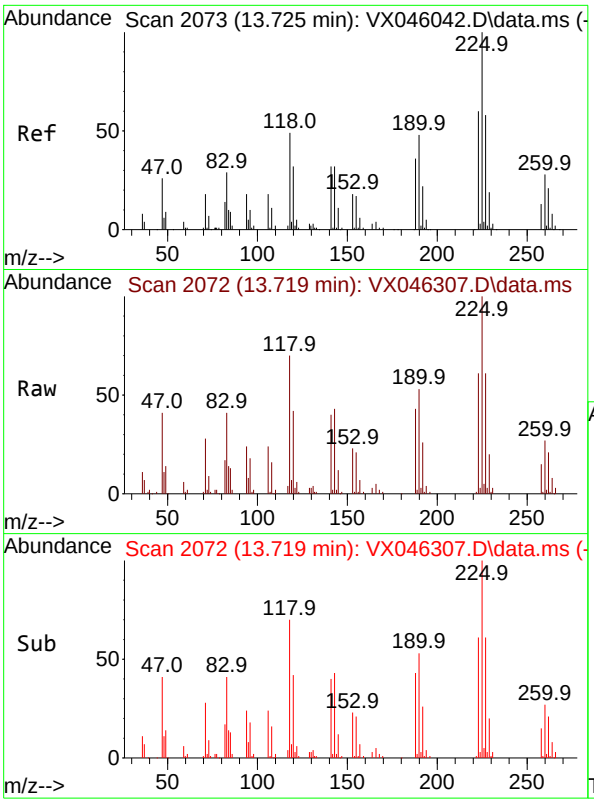


#93
1,2,4-Trichlorobenzene
Concen: 49.144 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:180 Resp: 54008

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.8
145	34.5	17.1	51.2



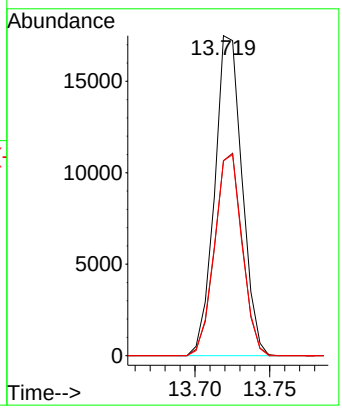


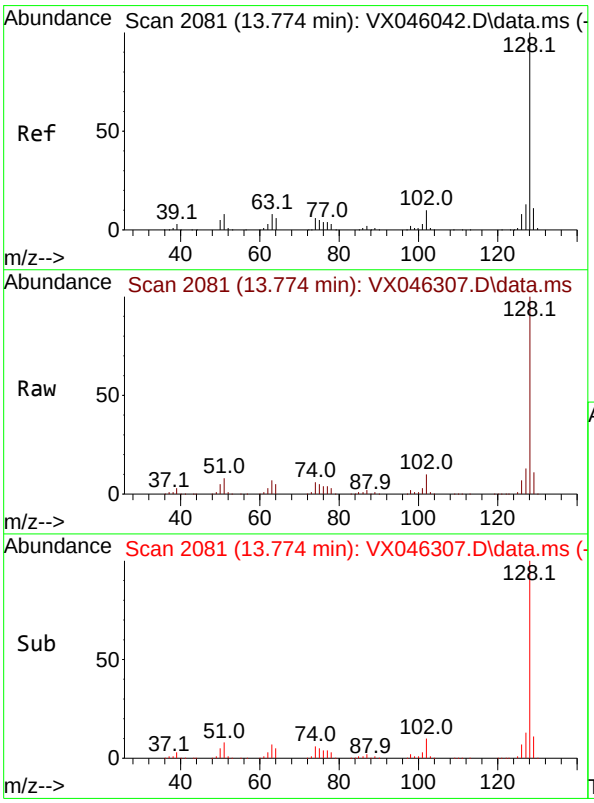
#94
Hexachlorobutadiene
Concen: 46.451 ug/l
RT: 13.719 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:225 Resp: 22295

Ion	Ratio	Lower	Upper
225	100		
223	63.6	30.8	92.4
227	63.4	30.9	92.7

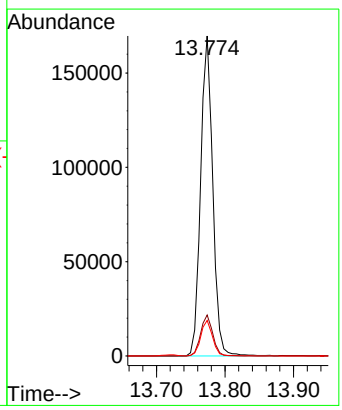


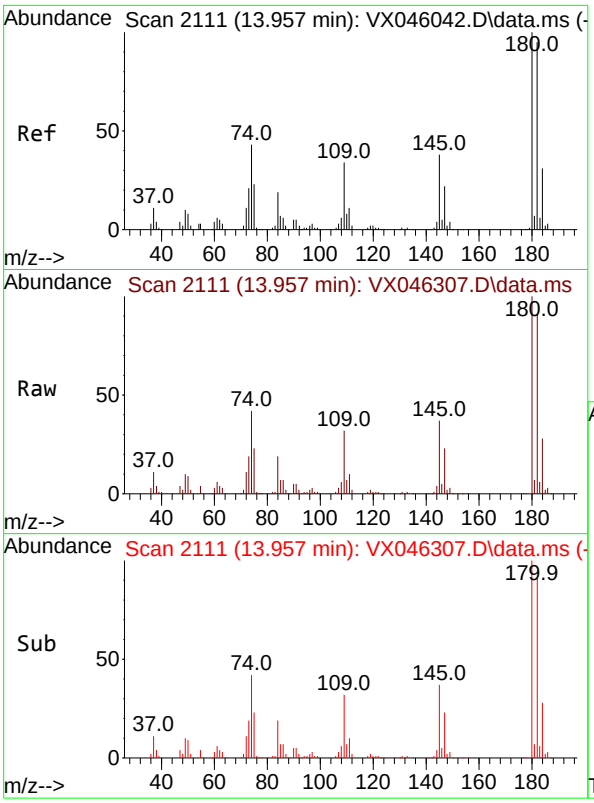


#95
Naphthalene
Concen: 51.921 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Tgt Ion:128 Resp: 209276

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.8	8.6	13.0



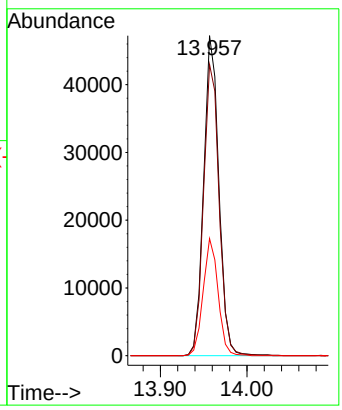


#96
1,2,3-Trichlorobenzene
Concen: 50.806 ug/l
RT: 13.957 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046307.D
Acq: 21 May 2025 18:58

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MS

Tgt Ion:180 Resp: 57612

Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.8	143.3
145	35.9	18.1	54.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046308.D
Acq On : 21 May 2025 19:21
Operator : JC/MD
Sample : Q2082-11MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Quant Time: May 22 01:55:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	79940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146227	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75461	50.633	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.260%			
35) Dibromofluoromethane	5.379	113	51775	49.170	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.340%			
50) Toluene-d8	8.647	98	177350	48.662	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.320%			
62) 4-Bromofluorobenzene	11.079	95	69796	49.926	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	56485	46.165	ug/l	96
3) Chloromethane	1.301	50	62438	52.623	ug/l	100
4) Vinyl Chloride	1.374	62	56021	50.730	ug/l	98
5) Bromomethane	1.593	94	26218	51.188	ug/l	99
6) Chloroethane	1.666	64	32465	55.071	ug/l	98
7) Trichlorofluoromethane	1.874	101	85494	52.385	ug/l	98
8) Diethyl Ether	2.136	74	29457	53.021	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	46123	45.667	ug/l	99
10) Methyl Iodide	2.447	142	63752	53.346	ug/l	99
11) Tert butyl alcohol	2.977	59	63034	301.312	ug/l	98
12) 1,1-Dichloroethene	2.313	96	49275	51.984	ug/l	99
13) Acrolein	2.233	56	72947	306.186	ug/l	99
14) Allyl chloride	2.660	41	101961	56.283	ug/l	96
15) Acrylonitrile	3.063	53	171868	287.314	ug/l	98
16) Acetone	2.386	43	169394	283.478	ug/l	97
17) Carbon Disulfide	2.502	76	110196	49.036	ug/l	99
18) Methyl Acetate	2.703	43	83751	60.398	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	185829	55.918	ug/l	100
20) Methylene Chloride	2.782	84	58553	51.133	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	50071	52.527	ug/l	97
22) Diisopropyl ether	3.758	45	199011	56.871	ug/l	100
23) Vinyl Acetate	3.721	43	809283	262.943	ug/l	99
24) 1,1-Dichloroethane	3.605	63	108640	55.740	ug/l	98
25) 2-Butanone	4.556	43	254185	293.001	ug/l	100
26) 2,2-Dichloropropane	4.471	77	69722	45.703	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	62464	54.432	ug/l	99
28) Bromochloromethane	4.891	49	50751	54.095	ug/l	95
29) Tetrahydrofuran	5.001	42	160476	295.204	ug/l	99
30) Chloroform	5.087	83	112721	55.486	ug/l	98
31) Cyclohexane	5.458	56	87166	49.077	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	96802	54.969	ug/l	99
36) 1,1-Dichloropropene	5.684	75	71475	50.520	ug/l	99
37) Ethyl Acetate	4.709	43	89163	51.009	ug/l	99
38) Carbon Tetrachloride	5.666	117	81748	51.425	ug/l	97
39) Methylcyclohexane	7.373	83	78606	43.156	ug/l	97
40) Benzene	6.032	78	217183	52.408	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046308.D
Acq On : 21 May 2025 19:21
Operator : JC/MD
Sample : Q2082-11MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Quant Time: May 22 01:55:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.916	41	53625	58.646	ug/l		98
42) 1,2-Dichloroethane	6.080	62	94041	52.580	ug/l		100
43) Isopropyl Acetate	6.336	43	143709	53.891	ug/l		99
44) Trichloroethene	7.123	130	51114	51.247	ug/l		99
45) 1,2-Dichloropropane	7.428	63	54790	53.171	ug/l		95
46) Dibromomethane	7.574	93	42785	52.644	ug/l		98
47) Bromodichloromethane	7.818	83	87459	54.637	ug/l		99
48) Methyl methacrylate	7.690	41	77929	57.222	ug/l		98
49) 1,4-Dioxane	7.659	88	31310	1210.825	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	509615	287.904	ug/l		99
52) Toluene	8.714	92	134212	52.817	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	75416	53.005	ug/l		97
54) cis-1,3-Dichloropropene	8.360	75	83532	53.119	ug/l		95
55) 1,1,2-Trichloroethane	9.147	97	54521	54.415	ug/l		98
56) Ethyl methacrylate	9.116	69	91572	57.344	ug/l		98
57) 1,3-Dichloropropane	9.305	76	94909	52.744	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.190	63	200	0.246	ug/l	#	48
59) 2-Hexanone	9.427	43	383797	293.071	ug/l		100
60) Dibromochloromethane	9.519	129	61539	55.926	ug/l		97
61) 1,2-Dibromoethane	9.604	107	55600	53.390	ug/l		97
64) Tetrachloroethene	9.269	164	44612	49.494	ug/l		97
65) Chlorobenzene	10.080	112	145504	52.183	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	51571	54.164	ug/l		100
67) Ethyl Benzene	10.189	91	262796	53.467	ug/l		99
68) m/p-Xylenes	10.299	106	189962	105.672	ug/l		96
69) o-Xylene	10.640	106	95172	54.305	ug/l		99
70) Styrene	10.653	104	151475	52.763	ug/l		99
71) Bromoform	10.799	173	38705	54.145	ug/l	#	99
73) Isopropylbenzene	10.957	105	252133	54.364	ug/l		99
74) N-amyl acetate	10.842	43	123928	54.075	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	86448	53.190	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	95800	66.810	ug/l		85
77) Bromobenzene	11.195	156	56888	52.834	ug/l		99
78) n-propylbenzene	11.299	91	292439	54.229	ug/l		100
79) 2-Chlorotoluene	11.360	91	181325	52.131	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	209753	54.135	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	22629	51.378	ug/l		98
82) 4-Chlorotoluene	11.451	91	206552	53.548	ug/l		99
83) tert-Butylbenzene	11.713	119	209369	53.645	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	213049	54.297	ug/l		100
85) sec-Butylbenzene	11.890	105	253076	52.812	ug/l		99
86) p-Isopropyltoluene	12.006	119	210537	53.227	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	102778	52.302	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	102559	51.104	ug/l		99
89) n-Butylbenzene	12.329	91	183546	52.901	ug/l		99
90) Hexachloroethane	12.536	117	36929	52.993	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	102829	52.146	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20476	56.870	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	55448	48.956	ug/l		99
94) Hexachlorobutadiene	13.725	225	22897	46.289	ug/l		96
95) Naphthalene	13.774	128	215650	51.914	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	58046	49.669	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046308.D
Acq On : 21 May 2025 19:21
Operator : JC/MD
Sample : Q2082-11MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Quant Time: May 22 01:55:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

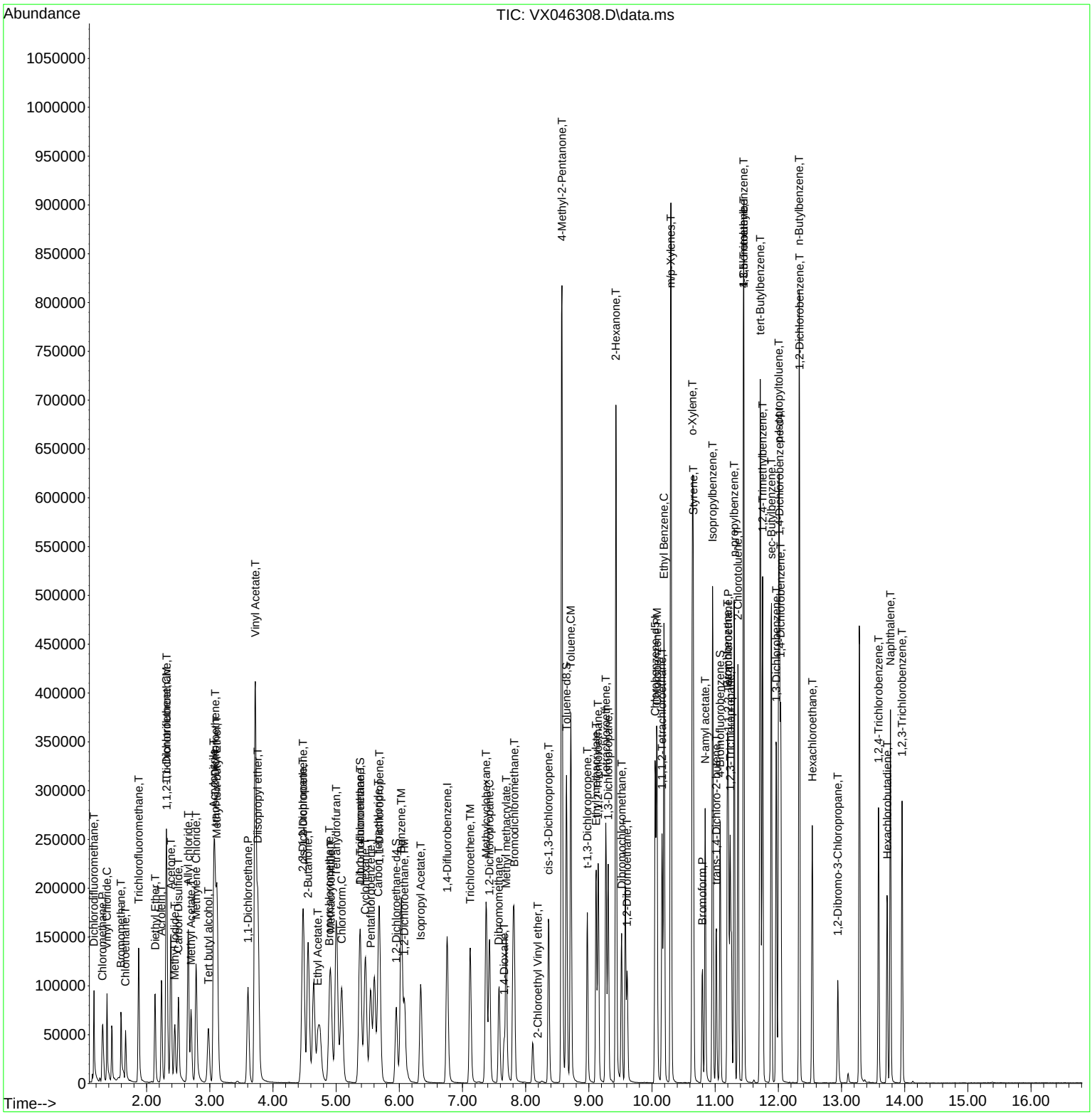
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

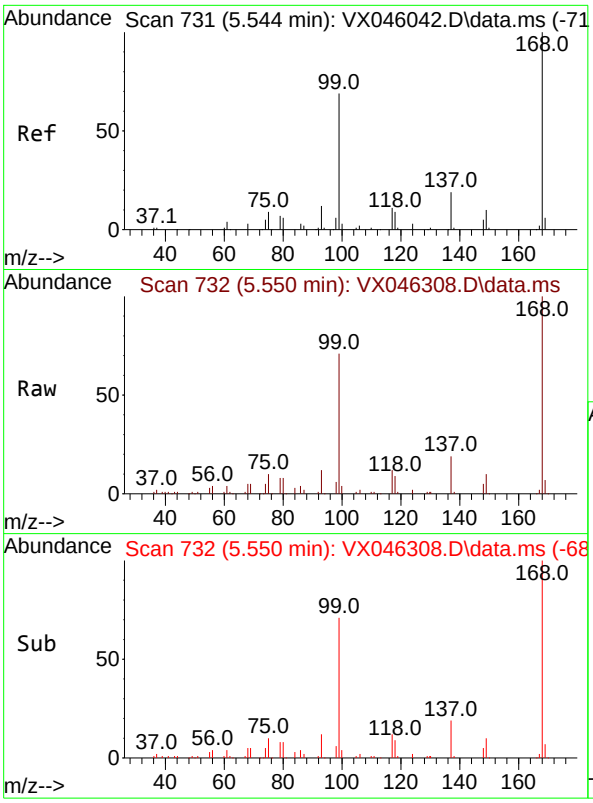
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046308.D
Acq On : 21 May 2025 19:21
Operator : JC/MD
Sample : Q2082-11MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Quant Time: May 22 01:55:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



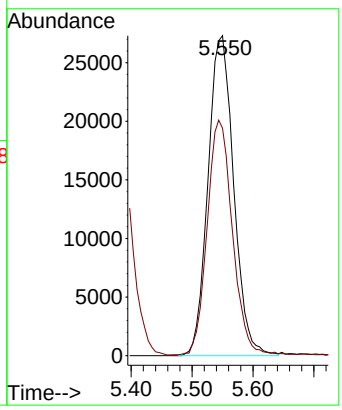


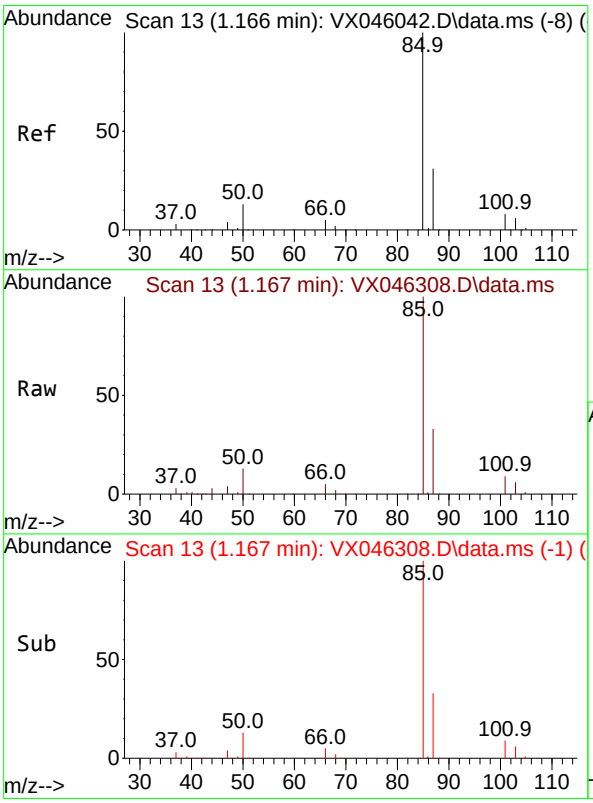
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:168 Resp: 79940

Ion	Ratio	Lower	Upper
168	100		
99	70.8	54.9	82.3

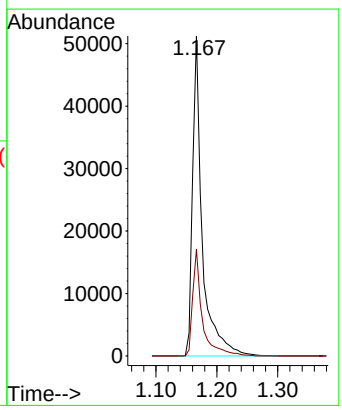


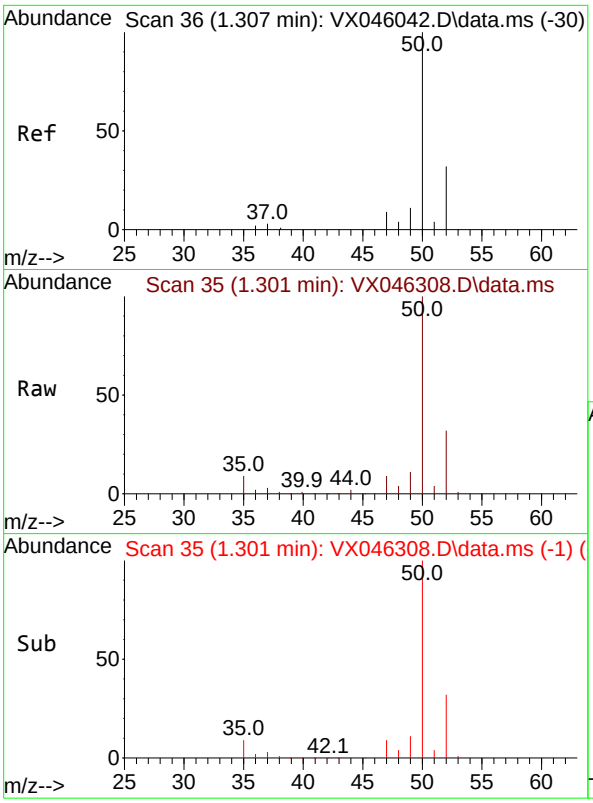


#2
Dichlorodifluoromethane
Concen: 46.165 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 85 Resp: 56485

Ion	Ratio	Lower	Upper
85	100		
87	33.4	15.7	47.1



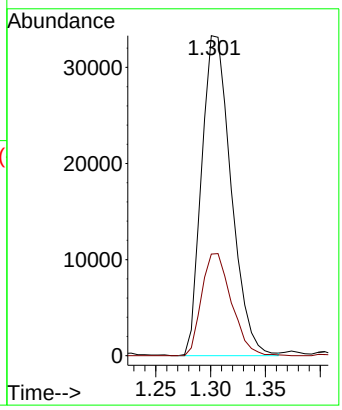


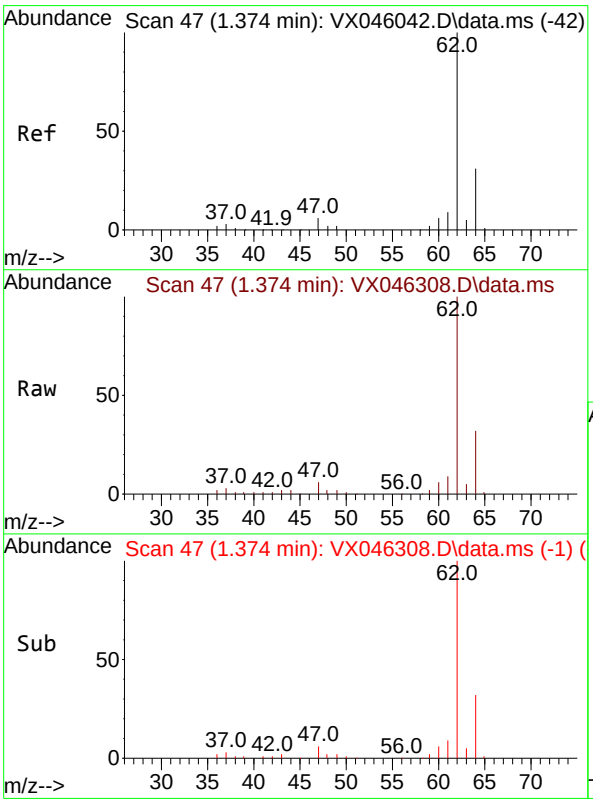
#3
Chloromethane
Concen: 52.623 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 50 Resp: 62438

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2

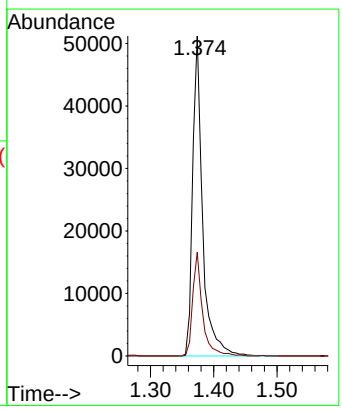


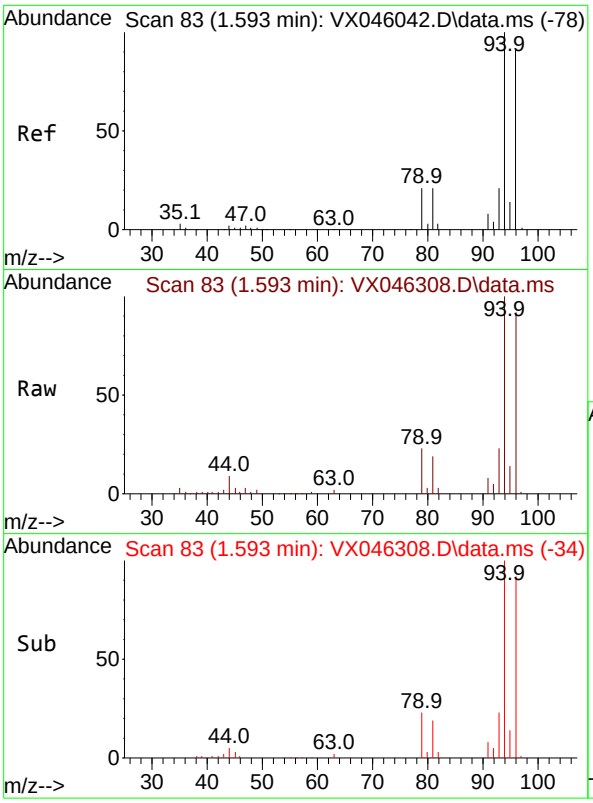


#4
Vinyl Chloride
Concen: 50.730 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 62 Resp: 56021

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.2	37.8



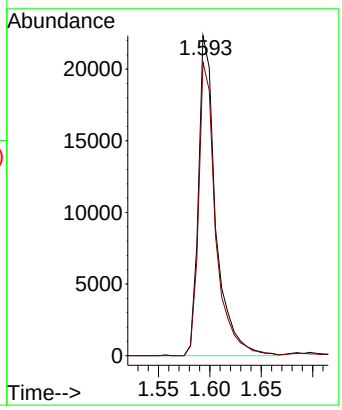


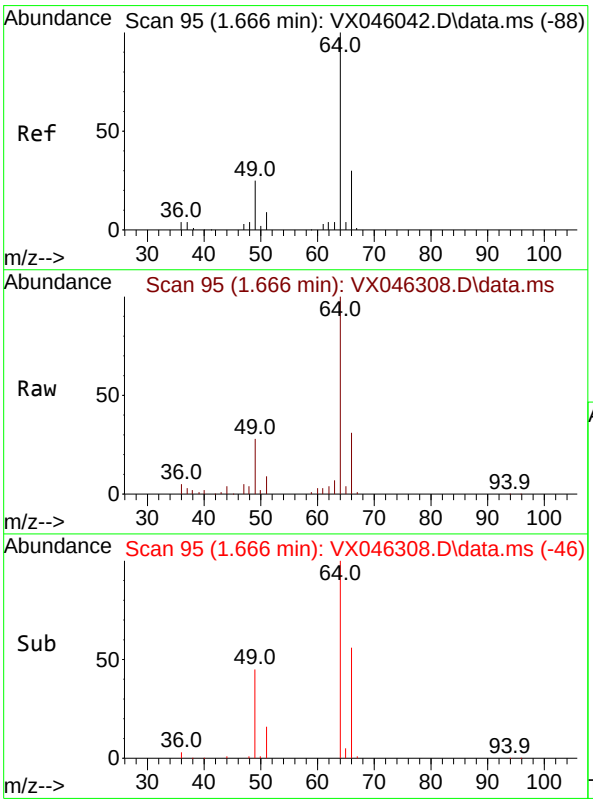
#5
Bromomethane
Concen: 51.188 ug/l
RT: 1.593 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 94 Resp: 26218

Ion	Ratio	Lower	Upper
94	100		
96	91.7	72.8	109.2

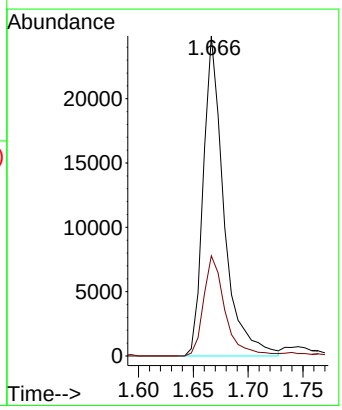


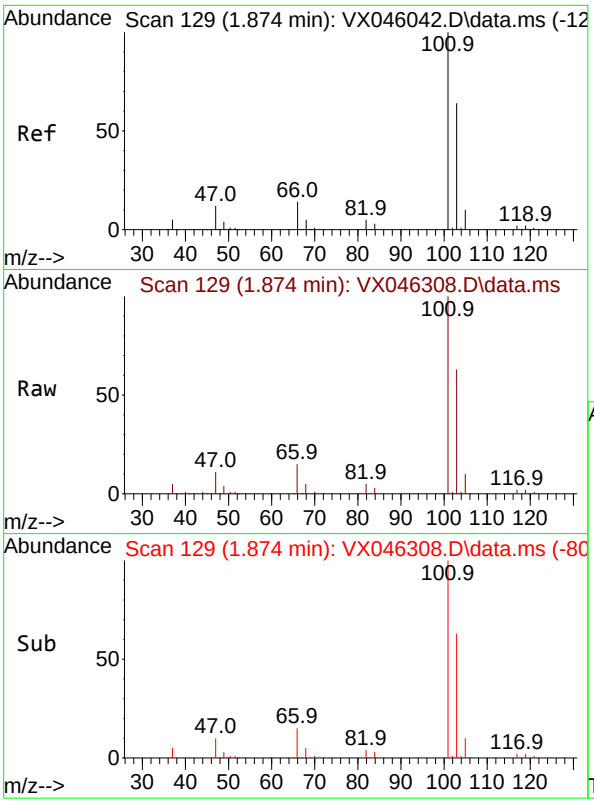


#6
Chloroethane
Concen: 55.071 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 64 Resp: 32465

Ion	Ratio	Lower	Upper
64	100		
66	31.3	24.3	36.5



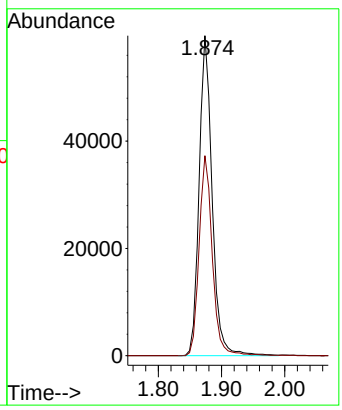


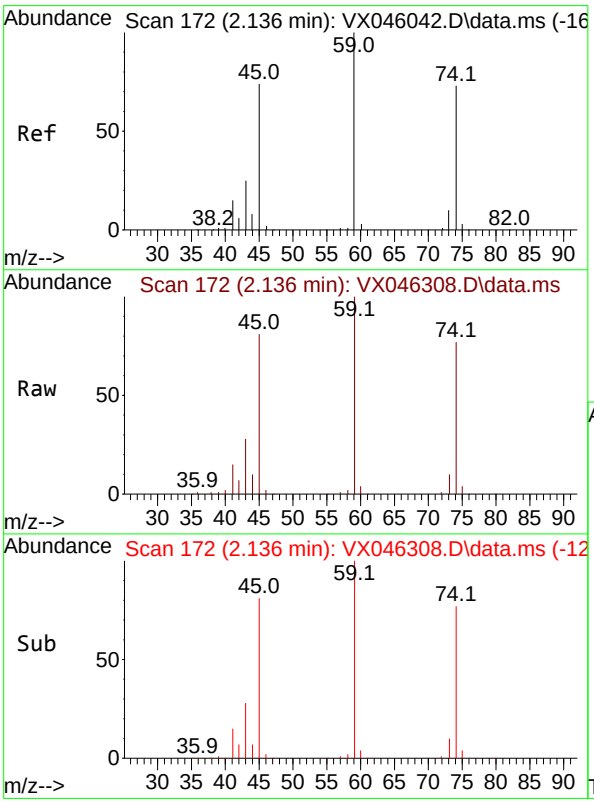
#7
Trichlorofluoromethane
Concen: 52.385 ug/l
RT: 1.874 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:101 Resp: 85494

Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.0	76.4

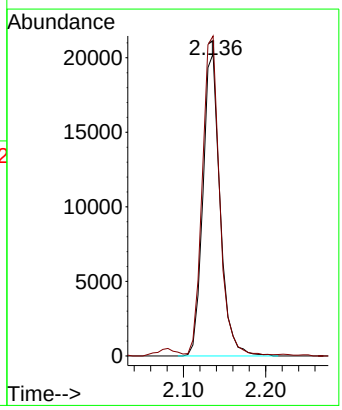


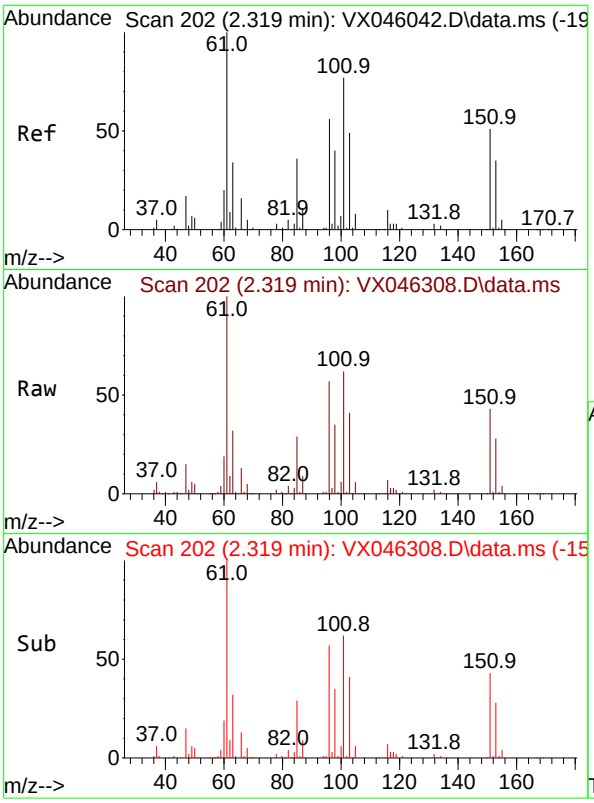


#8
Diethyl Ether
Concen: 53.021 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 74 Resp: 29457

Ion	Ratio	Lower	Upper
74	100		
45	106.2	54.9	164.8



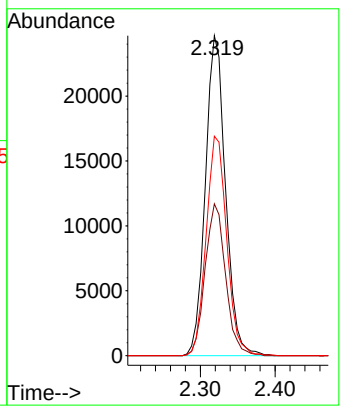


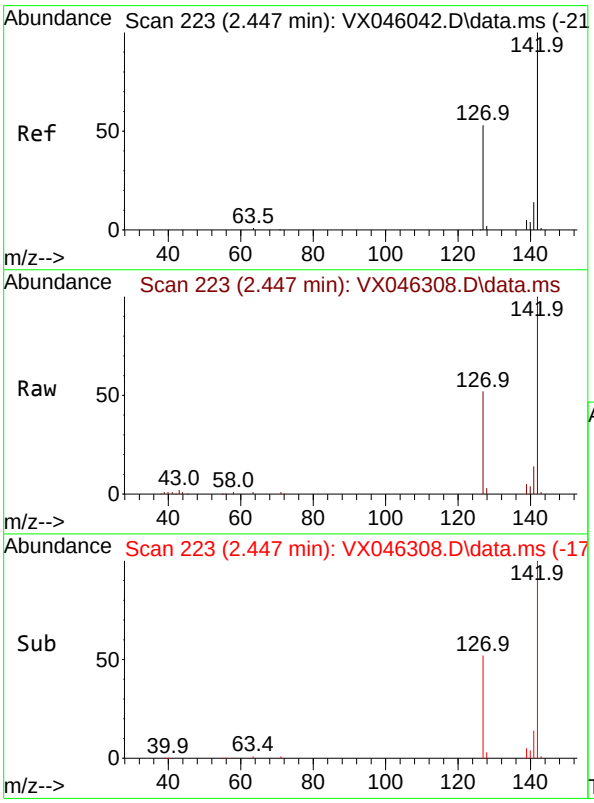
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.667 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:101 Resp: 46123

Ion	Ratio	Lower	Upper
101	100		
85	48.3	38.6	58.0
151	70.3	55.2	82.8

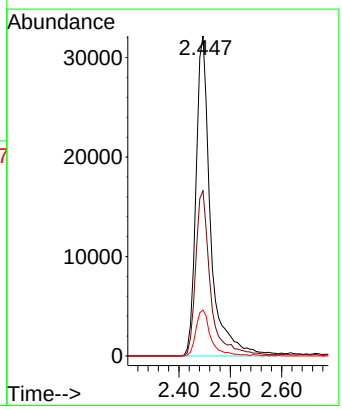


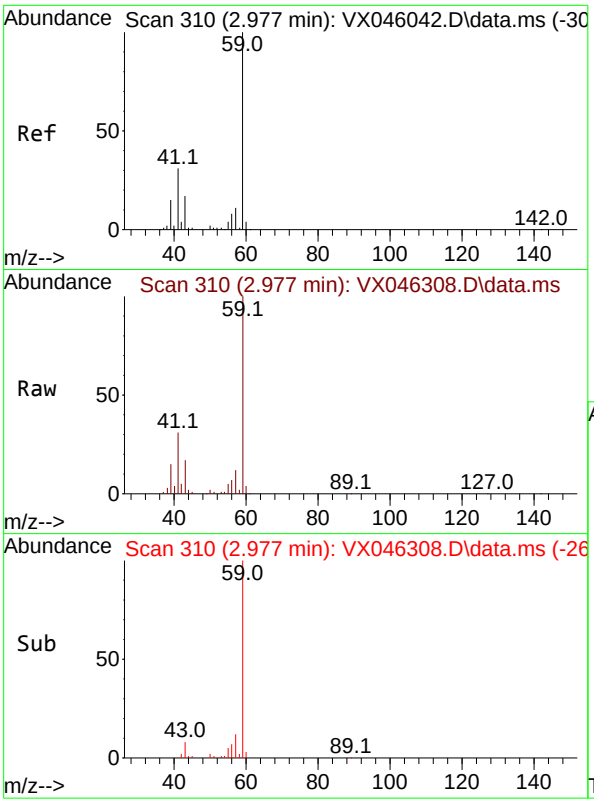


#10
Methyl Iodide
Concen: 53.346 ug/l
RT: 2.447 min Scan# 223
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:142 Resp: 63752

Ion	Ratio	Lower	Upper
142	100		
127	52.7	41.7	62.5
141	14.5	11.5	17.3



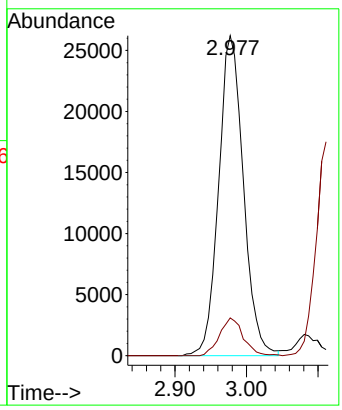


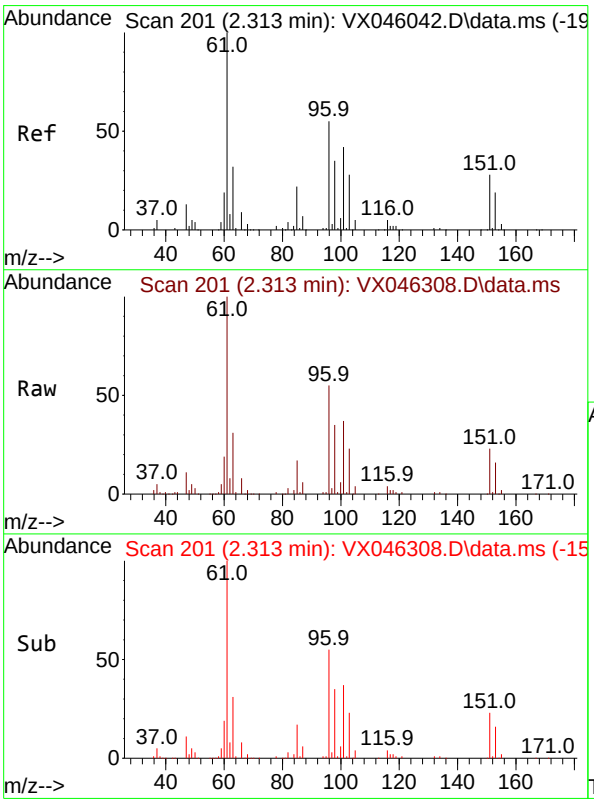
#11
Tert butyl alcohol
Concen: 301.312 ug/l
RT: 2.977 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 59 Resp: 63034

Ion	Ratio	Lower	Upper
59	100		
57	11.3	8.6	12.8

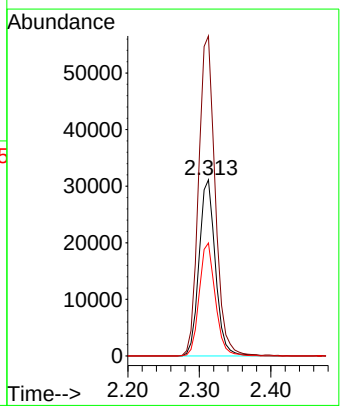


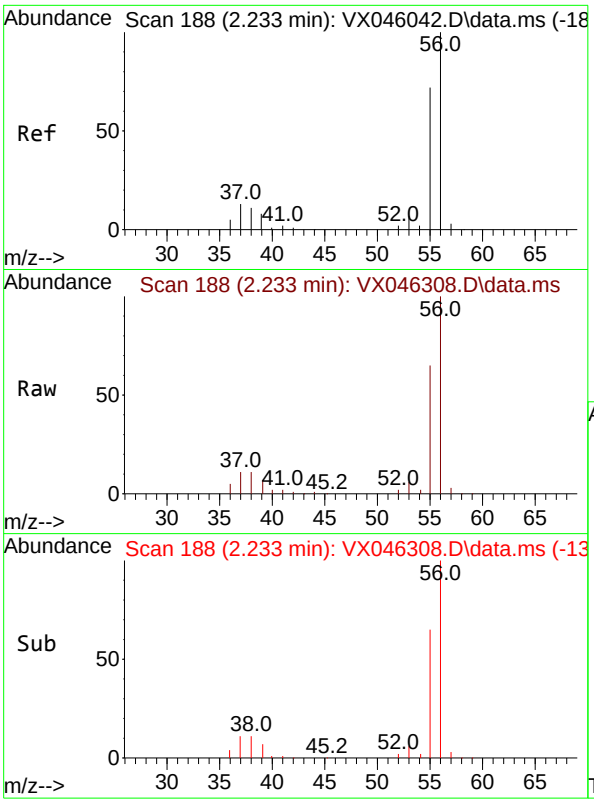


#12
1,1-Dichloroethene
Concen: 51.984 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 96 Resp: 49275

Ion	Ratio	Lower	Upper
96	100		
61	181.6	146.2	219.2
98	64.1	51.0	76.6



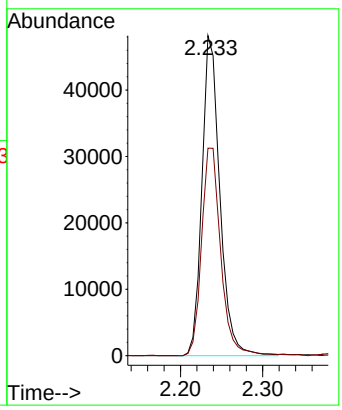


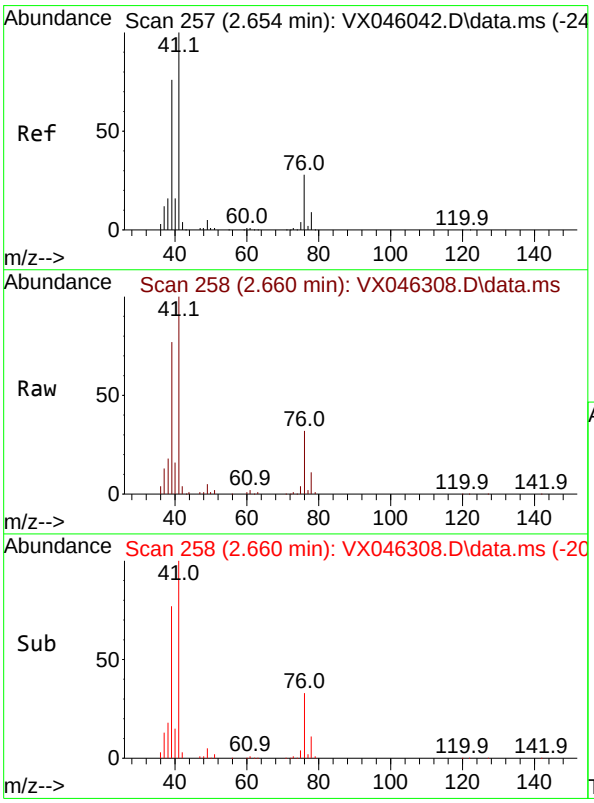
#13
Acrolein
Concen: 306.186 ug/l
RT: 2.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 56 Resp: 72947

Ion	Ratio	Lower	Upper
56	100		
55	69.8	56.2	84.4

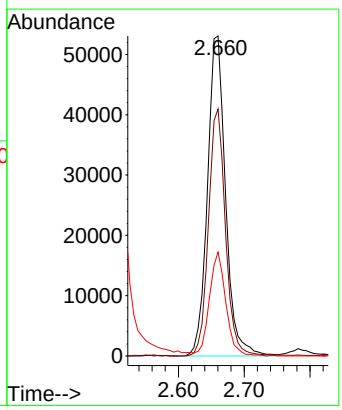


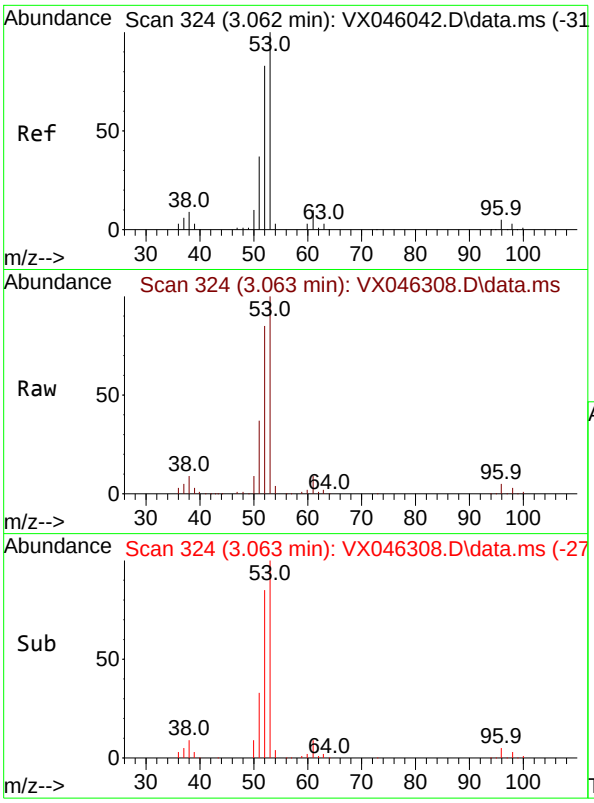


#14
Allyl chloride
Concen: 56.283 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 41 Resp: 101961

Ion	Ratio	Lower	Upper
41	100		
39	72.5	60.6	90.8
76	29.4	24.9	37.3



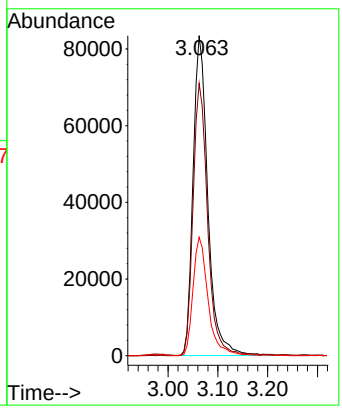


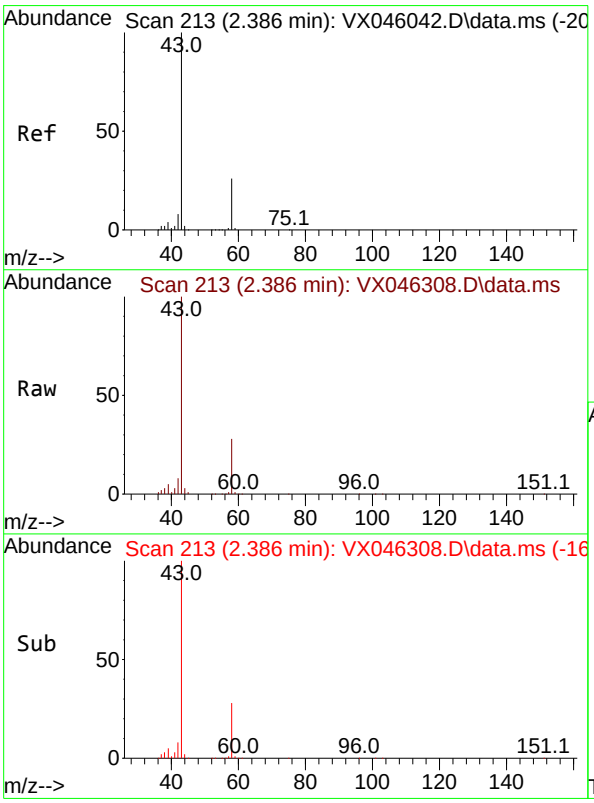
#15
Acrylonitrile
Concen: 287.314 ug/l
RT: 3.063 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 53 Resp: 171868

Ion	Ratio	Lower	Upper
53	100		
52	84.4	65.3	97.9
51	37.6	29.8	44.8

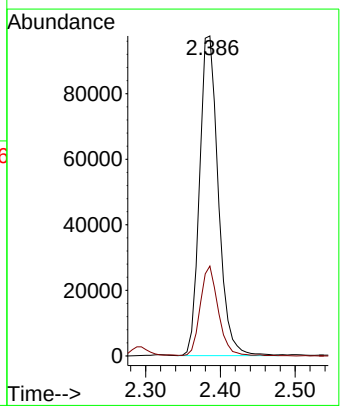


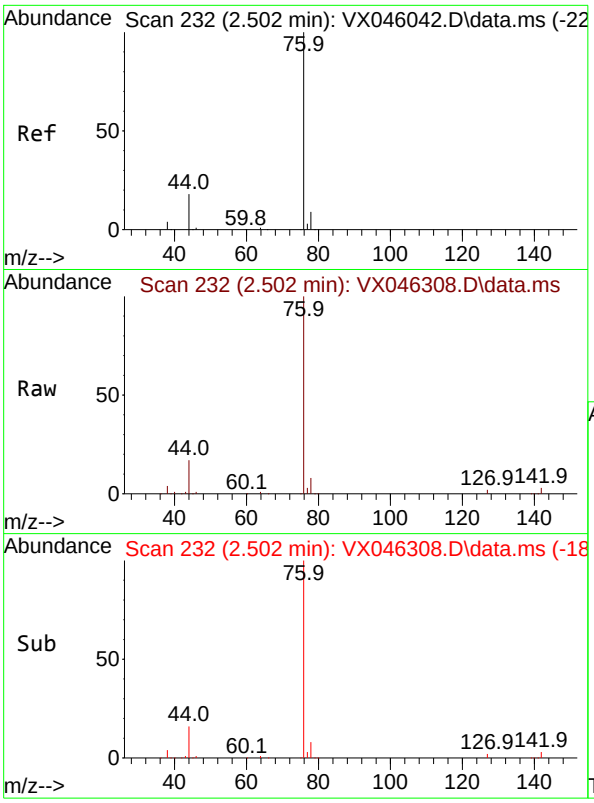


#16
Acetone
Concen: 283.478 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 43 Resp: 169394

Ion	Ratio	Lower	Upper
43	100		
58	28.0	21.2	31.8



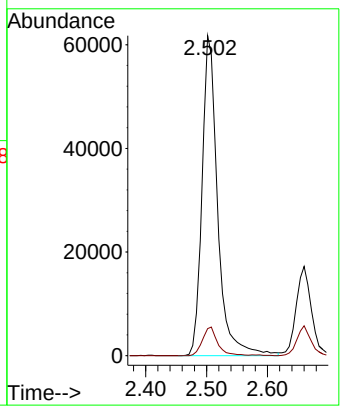


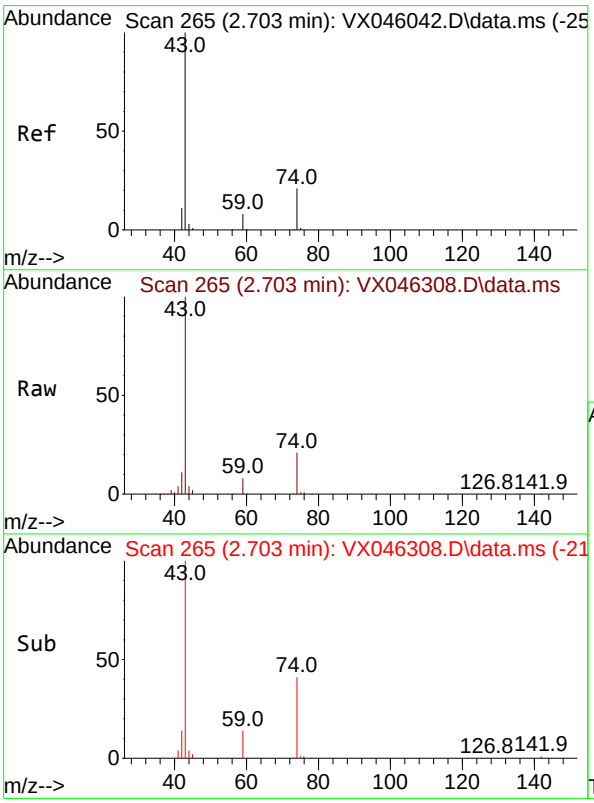
#17
Carbon Disulfide
Concen: 49.036 ug/l
RT: 2.502 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 76 Resp: 110196

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.4

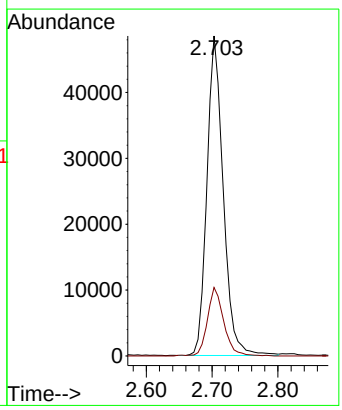


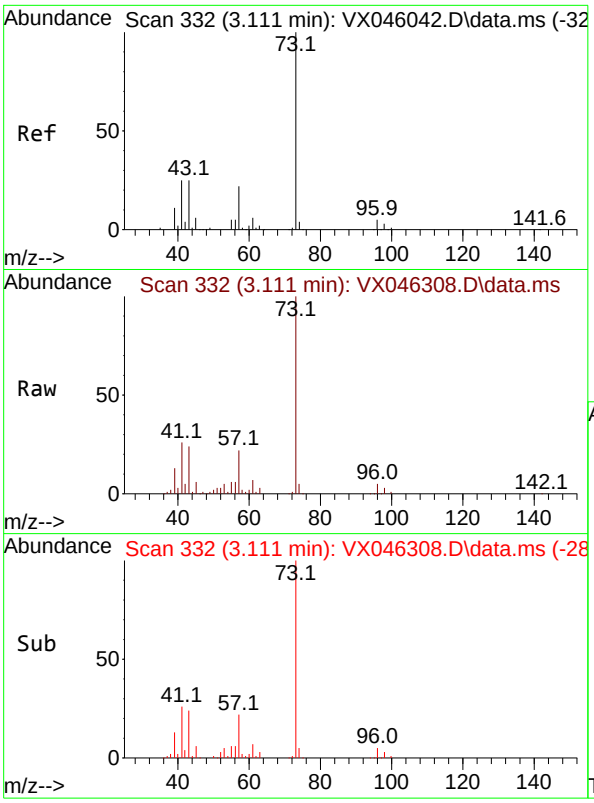


#18
Methyl Acetate
Concen: 60.398 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 43 Resp: 83751

Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.7	25.1



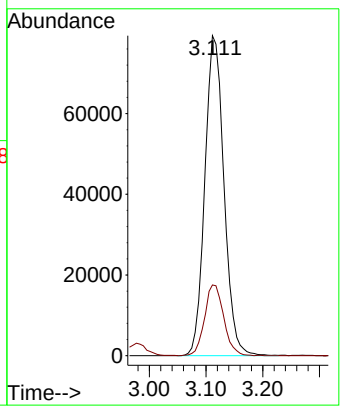


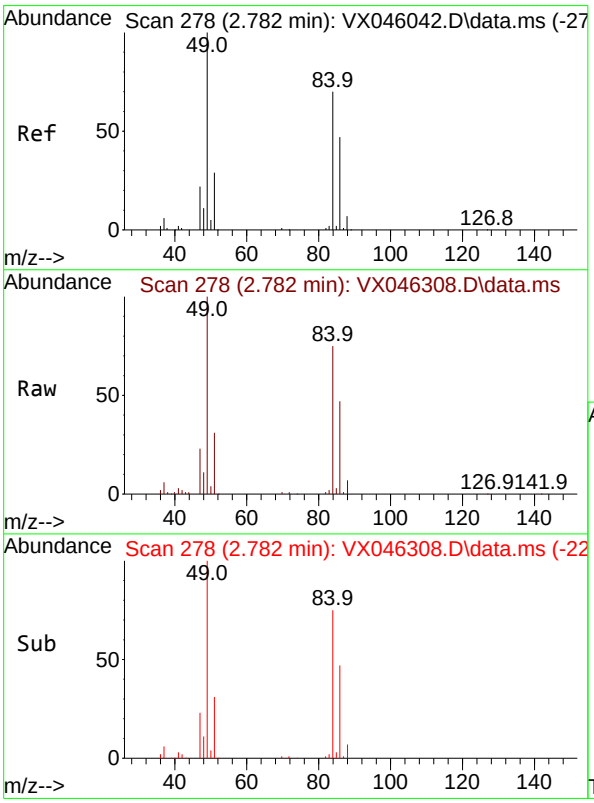
#19
Methyl tert-butyl Ether
Concen: 55.918 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 73 Resp: 185829

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

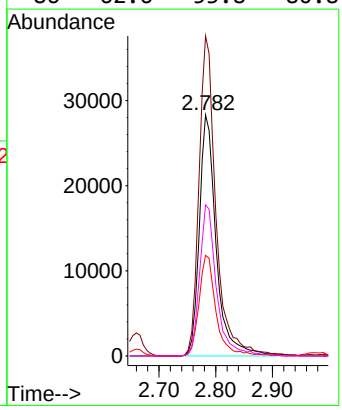


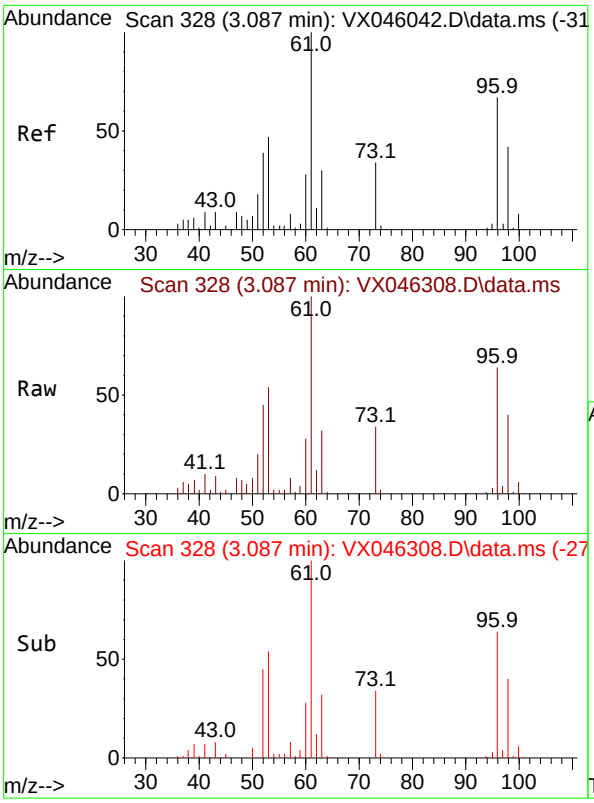


#20
Methylene Chloride
Concen: 51.133 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 84 Resp: 58553

Ion	Ratio	Lower	Upper
84	100		
49	132.7	113.9	170.9
51	41.8	33.5	50.3
86	62.6	53.8	80.8



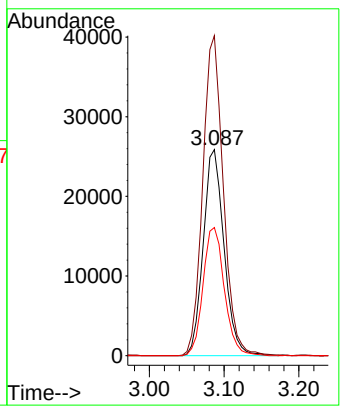


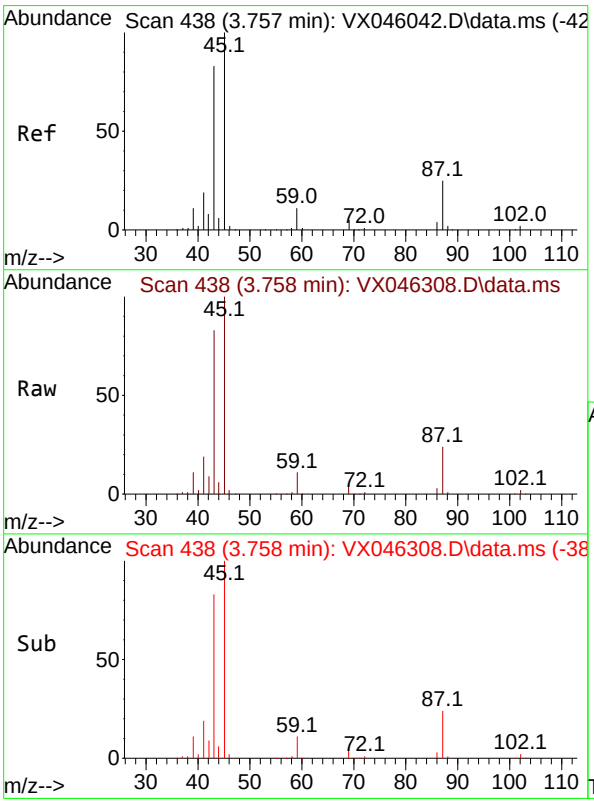
#21
trans-1,2-Dichloroethene
Concen: 52.527 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 96 Resp: 50071

Ion	Ratio	Lower	Upper
96	100		
61	155.3	119.5	179.3
98	62.2	50.0	75.0

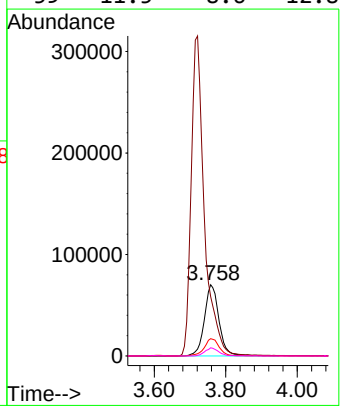


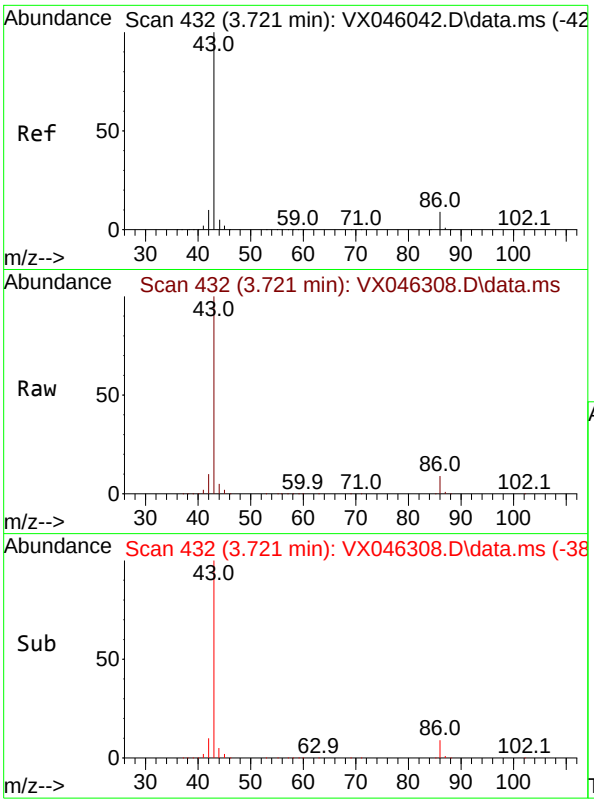


#22
Diisopropyl ether
Concen: 56.871 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 45 Resp: 199011

Ion	Ratio	Lower	Upper
45	100		
43	83.4	66.6	100.0
87	24.3	19.8	29.6
59	11.5	8.6	12.8



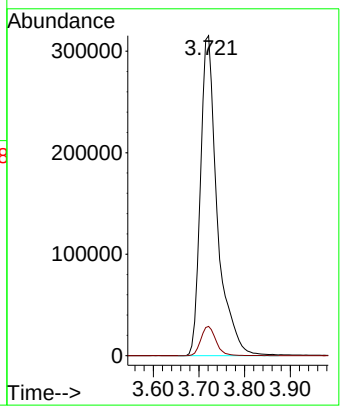


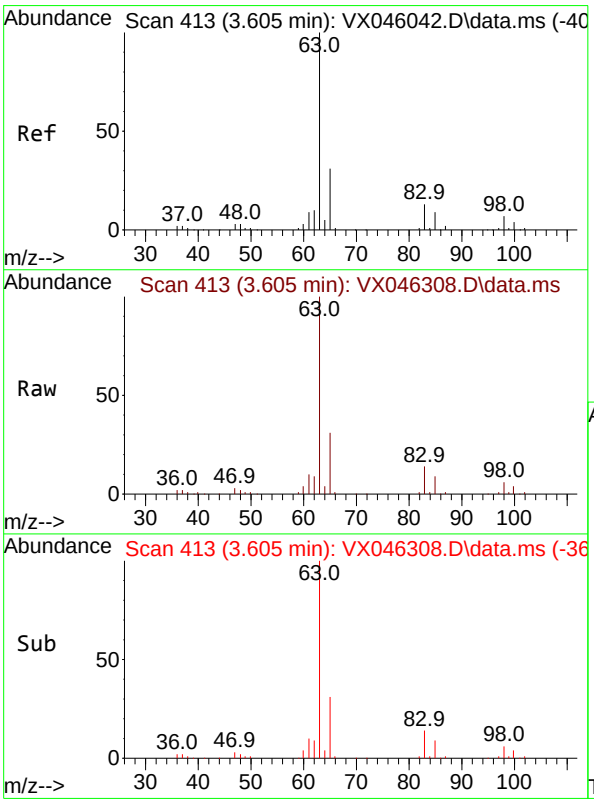
#23
Vinyl Acetate
Concen: 262.943 ug/l
RT: 3.721 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 43 Resp: 809283

Ion	Ratio	Lower	Upper
43	100		
86	9.2	7.5	11.3

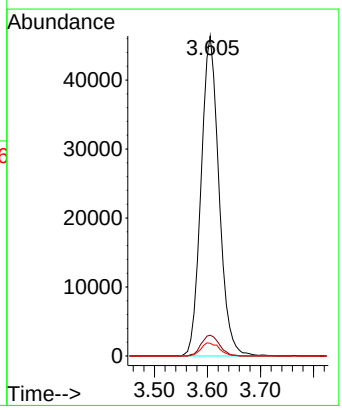


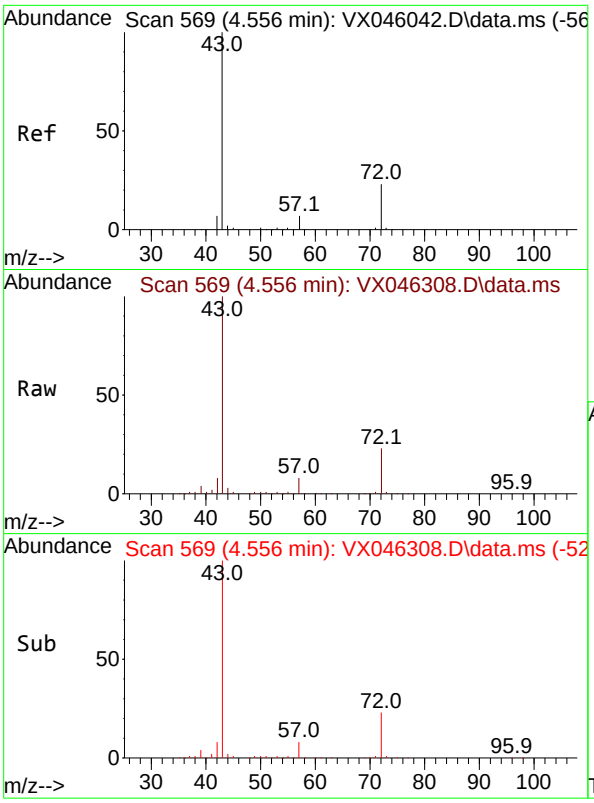


#24
1,1-Dichloroethane
Concen: 55.740 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 63 Resp: 108640

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.6	10.8
100	4.0	2.1	6.3



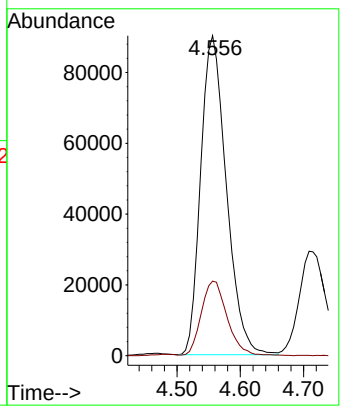


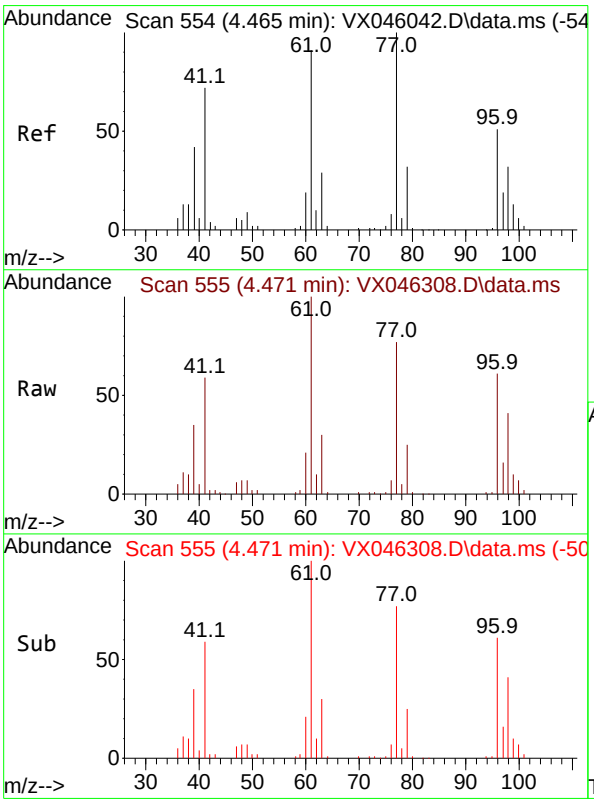
#25
2-Butanone
Concen: 293.001 ug/l
RT: 4.556 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 43 Resp: 254185

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.4	27.6

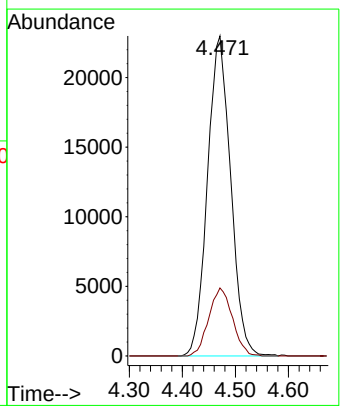


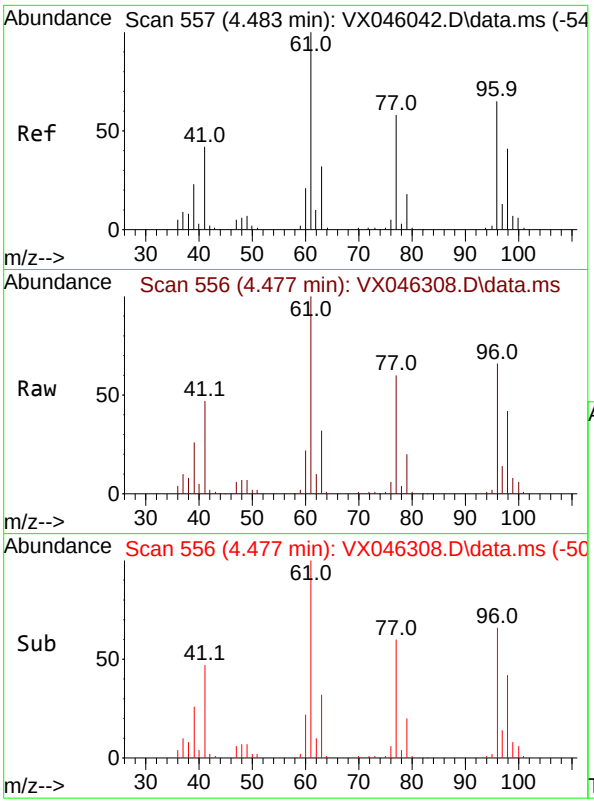


#26
2,2-Dichloropropane
Concen: 45.703 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 77 Resp: 69722

Ion	Ratio	Lower	Upper
77	100		
97	21.7	10.5	31.5



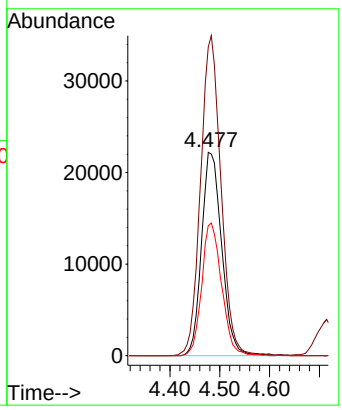


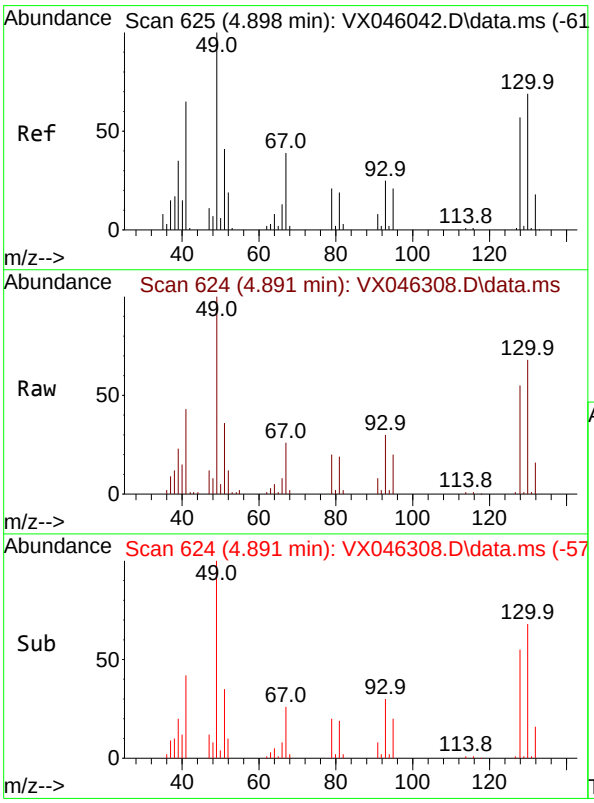
#27
cis-1,2-Dichloroethene
Concen: 54.432 ug/l
RT: 4.477 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 96 Resp: 62464

Ion	Ratio	Lower	Upper
96	100		
61	159.2	0.0	322.8
98	64.1	0.0	129.0

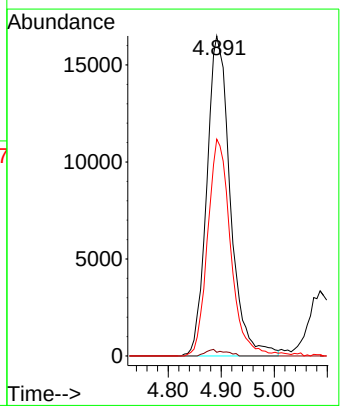


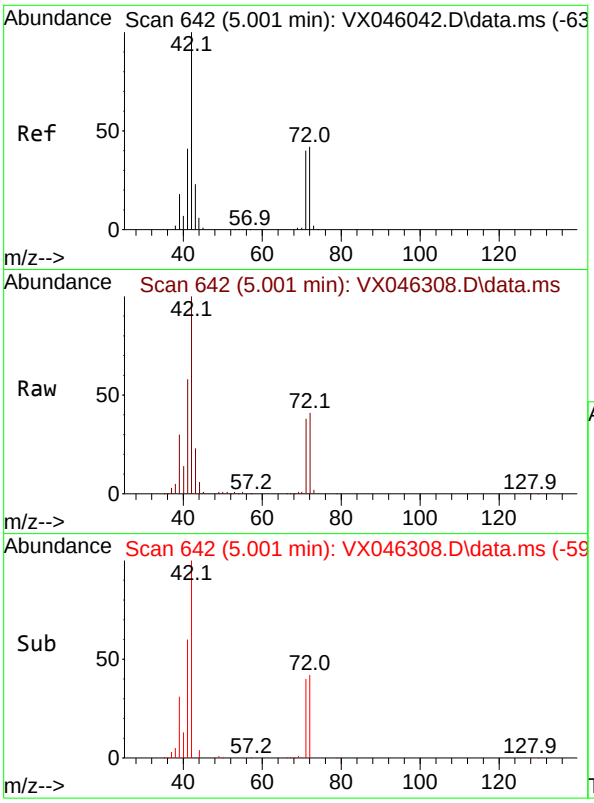


#28
Bromochloromethane
Concen: 54.095 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 49 Resp: 50751

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	65.9	56.2	84.2



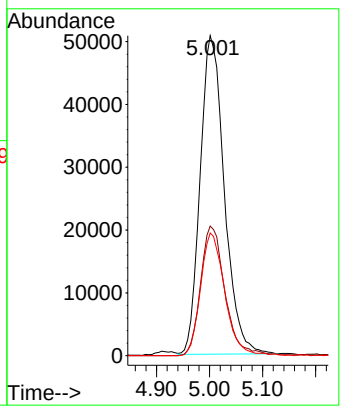


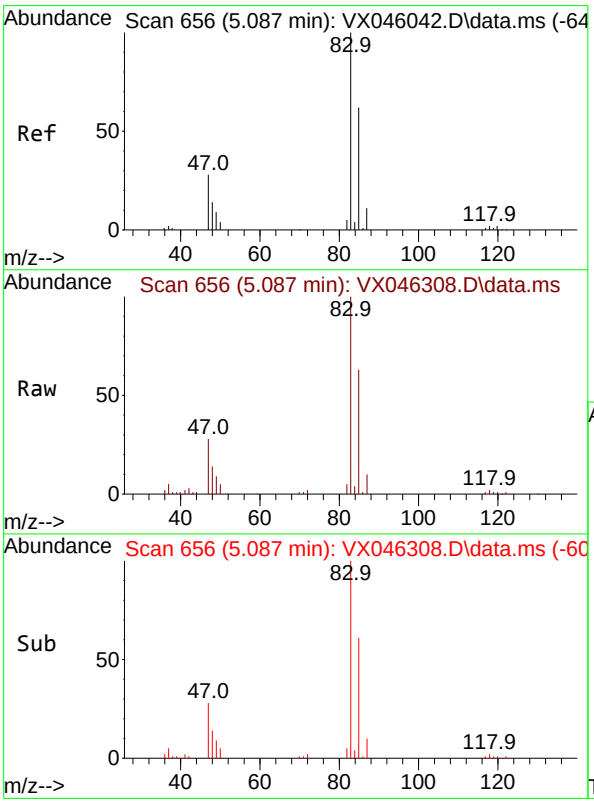
#29
Tetrahydrofuran
Concen: 295.204 ug/l
RT: 5.001 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 42 Resp: 160476

Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.7	50.5
71	38.6	31.4	47.2

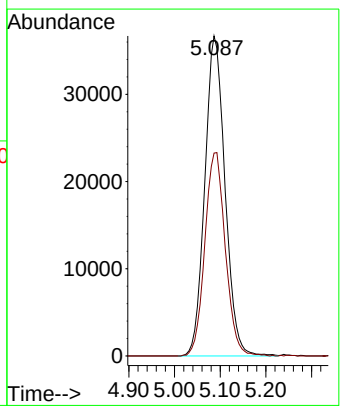


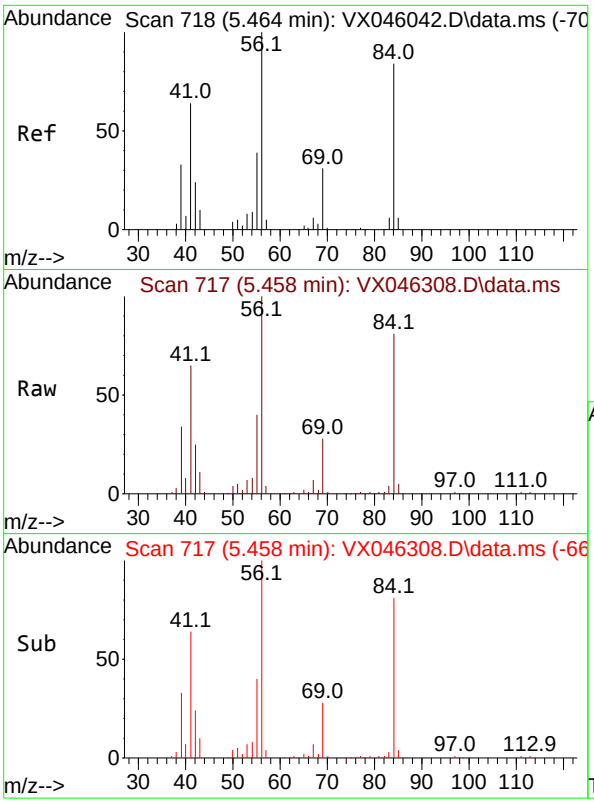


#30
Chloroform
Concen: 55.486 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 83 Resp: 112721

Ion	Ratio	Lower	Upper
83	100		
85	63.4	49.3	73.9



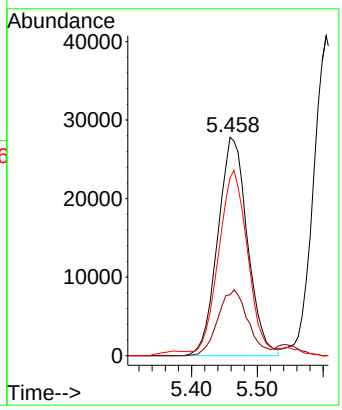


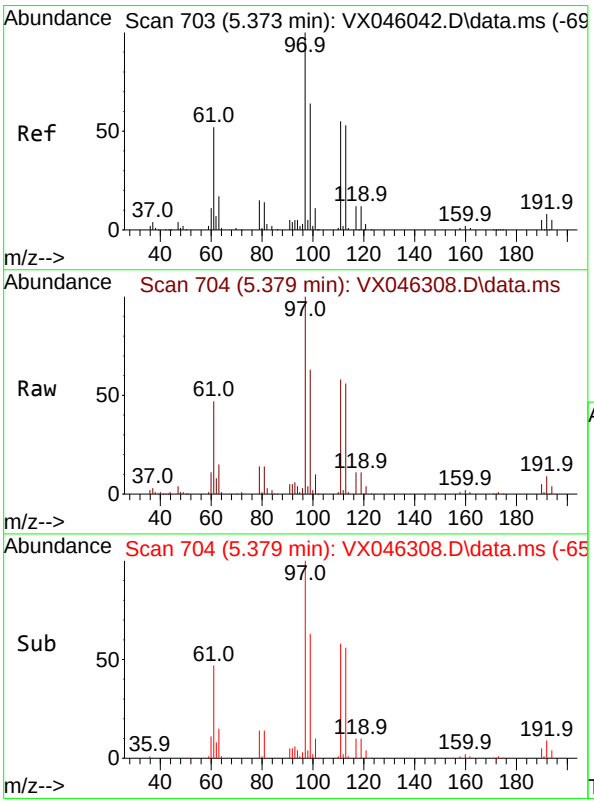
#31
Cyclohexane
Concen: 49.077 ug/l
RT: 5.458 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 56 Resp: 87166

Ion	Ratio	Lower	Upper
56	100		
69	27.8	24.4	36.6
84	79.5	66.9	100.3

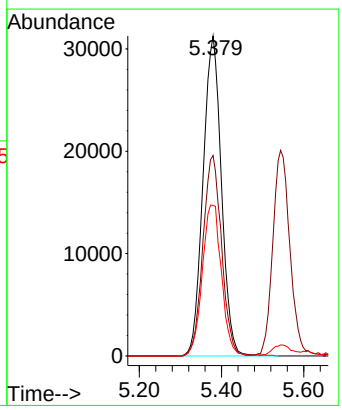


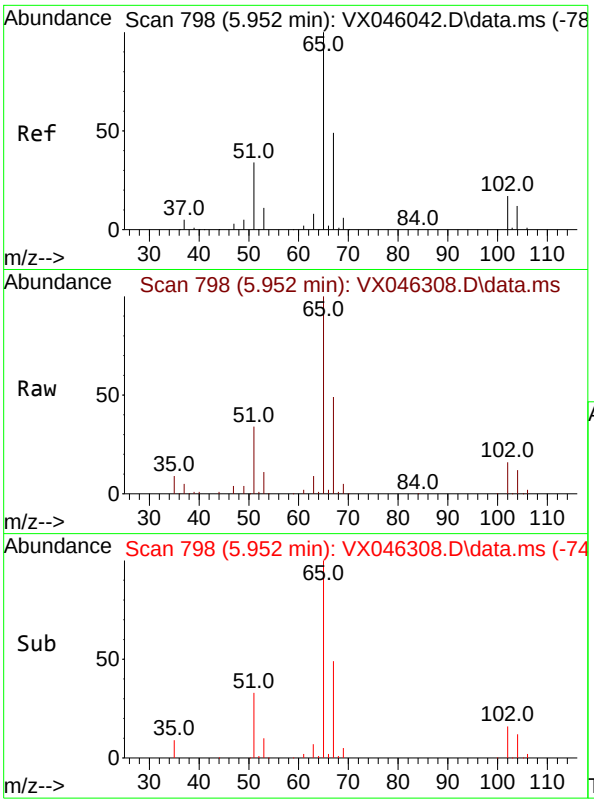


#32
1,1,1-Trichloroethane
Concen: 54.969 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 97 Resp: 96802

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.8	77.6
61	49.3	40.1	60.1



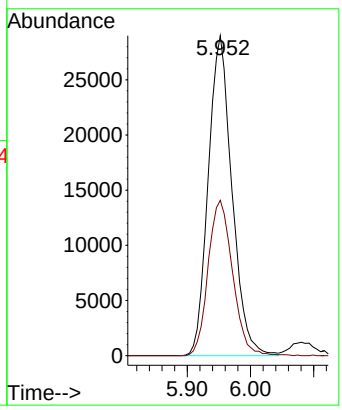


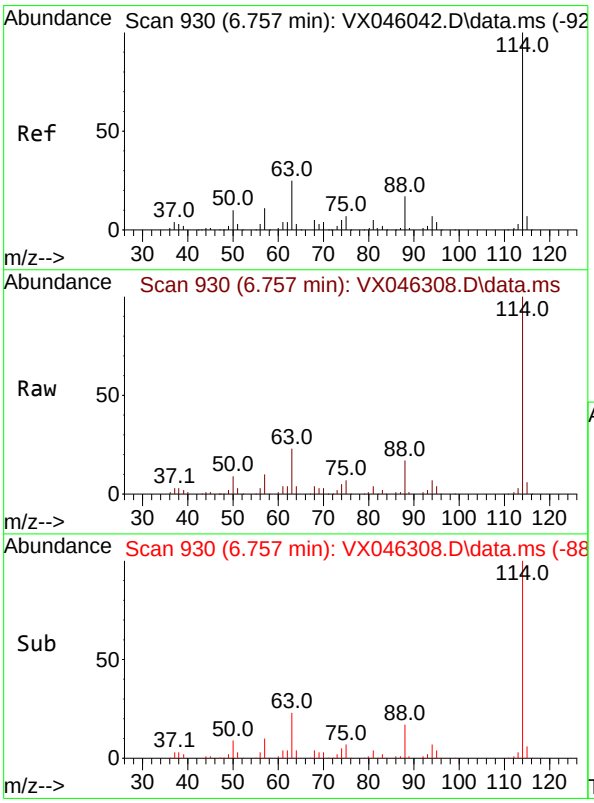
#33
1,2-Dichloroethane-d4
Concen: 50.633 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 65 Resp: 75461

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	99.0

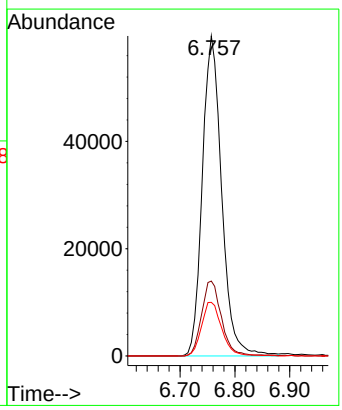


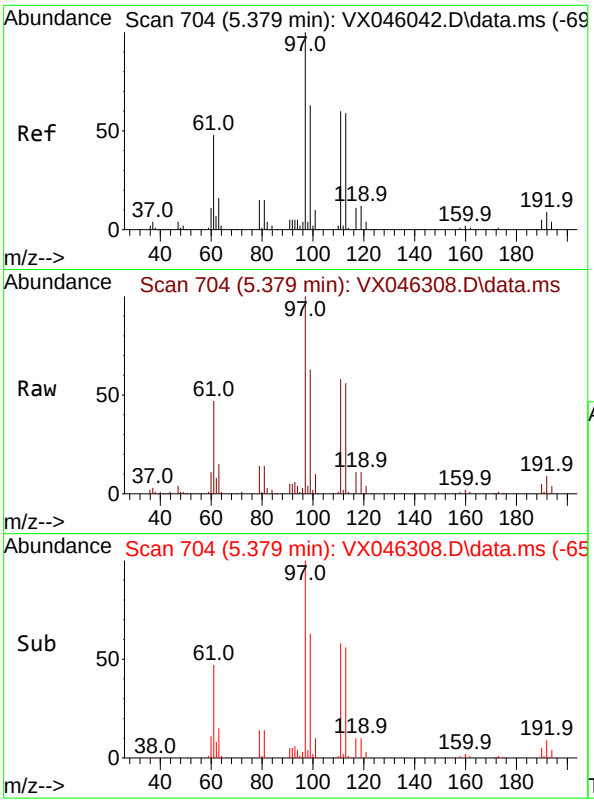


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:114 Resp: 146227

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	49.2
88	16.7	0.0	33.6



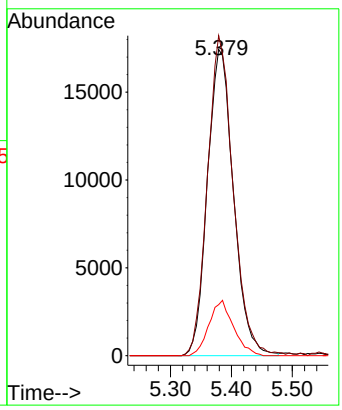


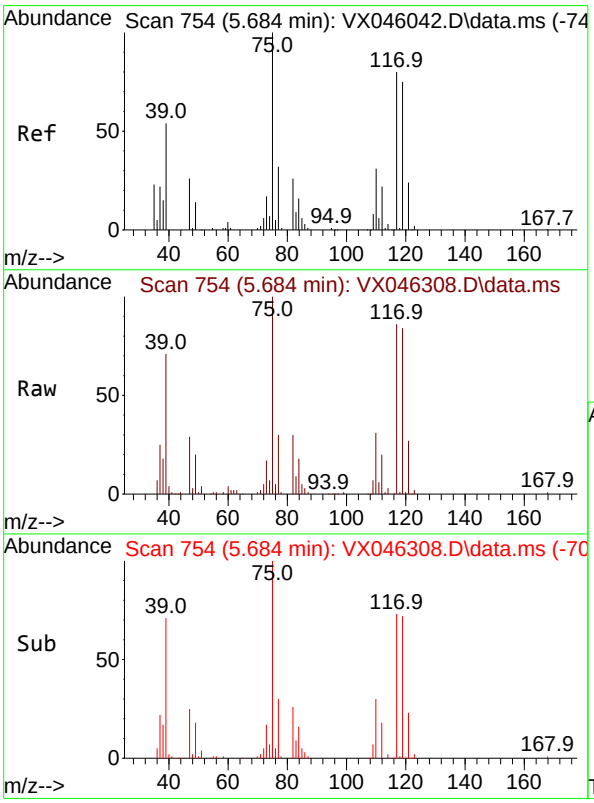
#35
Dibromofluoromethane
Concen: 49.170 ug/l
RT: 5.379 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:113 Resp: 51775

Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.1	124.7
192	17.0	13.3	19.9

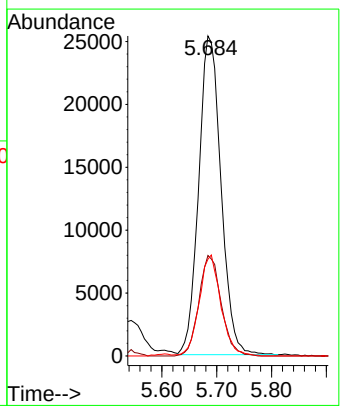


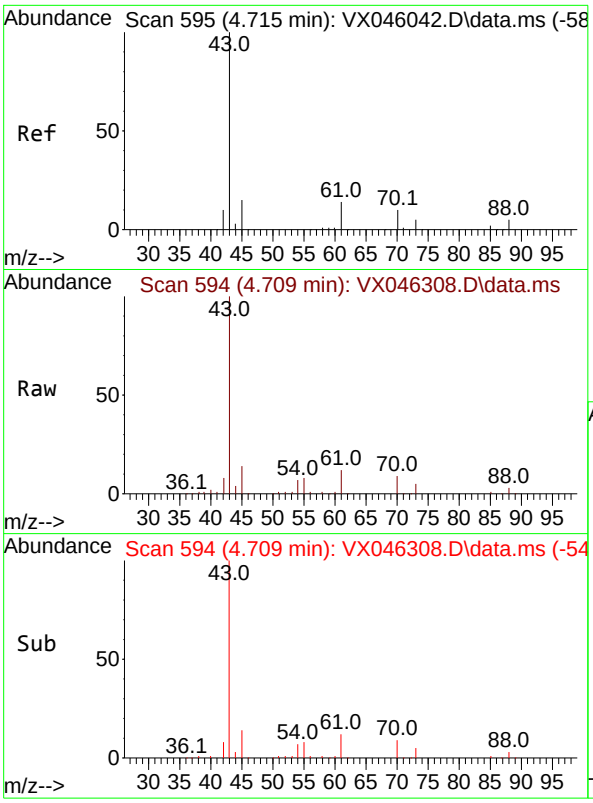


#36
1,1-Dichloropropene
Concen: 50.520 ug/l
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 75 Resp: 71475

Ion	Ratio	Lower	Upper
75	100		
110	31.5	16.3	48.9
77	30.9	24.3	36.5



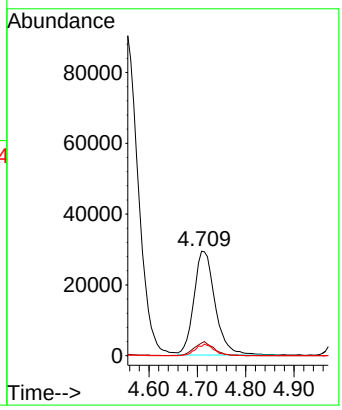


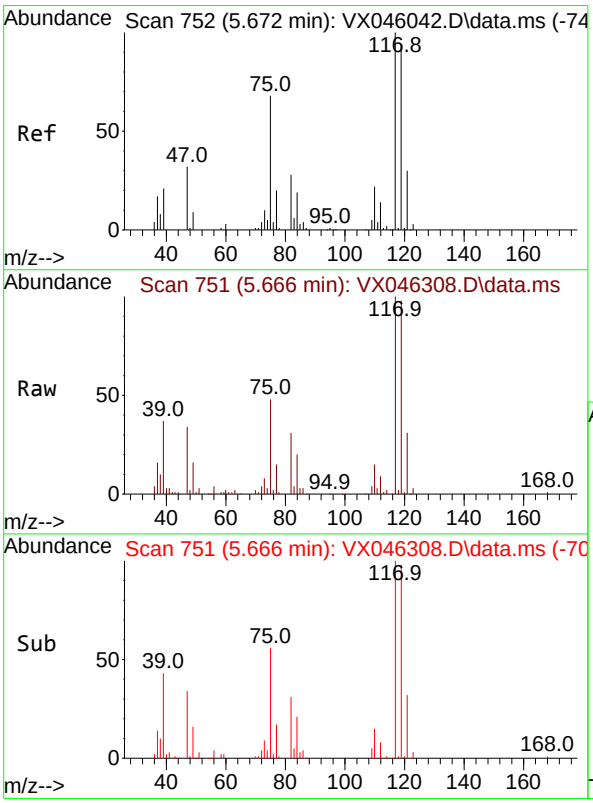
#37
Ethyl Acetate
Concen: 51.009 ug/l
RT: 4.709 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 43 Resp: 89163

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	9.8	7.9	11.9

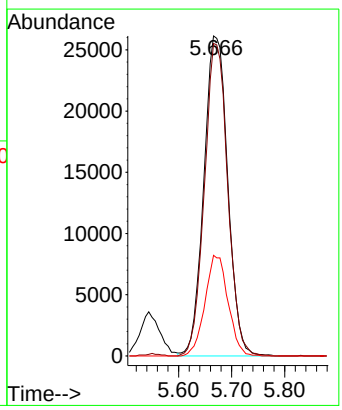


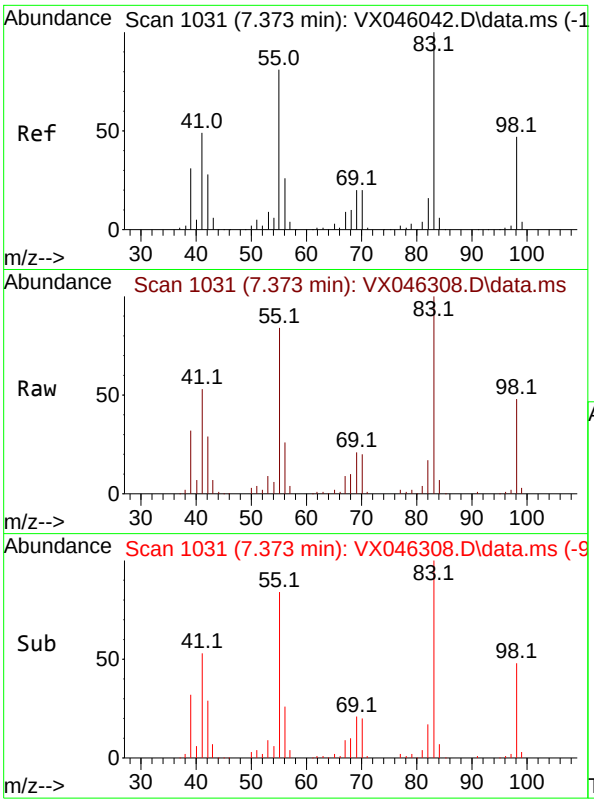


#38
Carbon Tetrachloride
Concen: 51.425 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:117 Resp: 81748

Ion	Ratio	Lower	Upper
117	100		
119	97.7	75.2	112.8
121	31.4	24.2	36.4



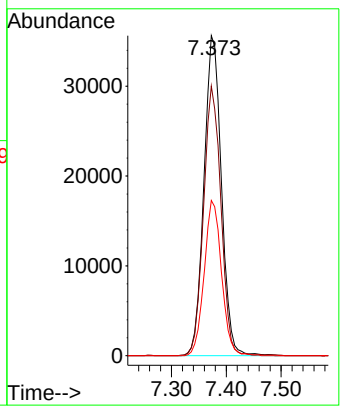


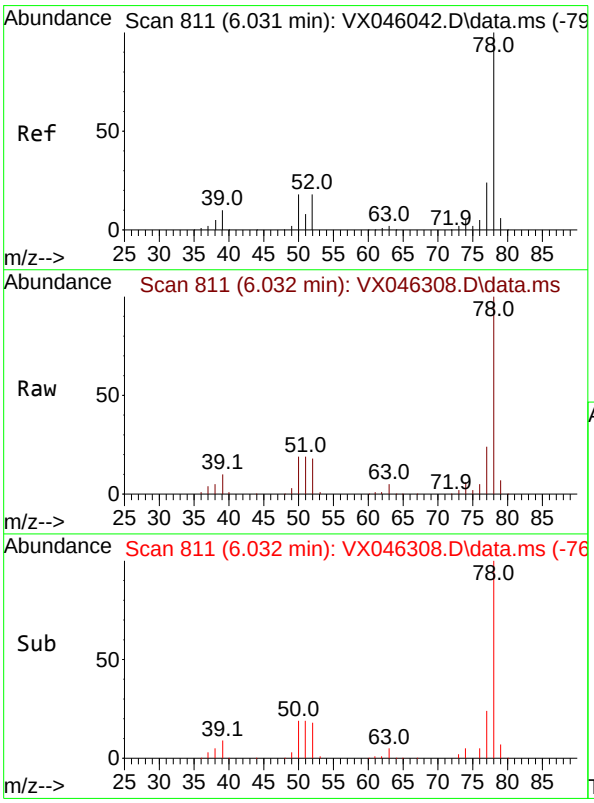
#39
Methylcyclohexane
Concen: 43.156 ug/l
RT: 7.373 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 83 Resp: 78606

Ion	Ratio	Lower	Upper
83	100		
55	84.3	64.7	97.1
98	48.5	37.4	56.2

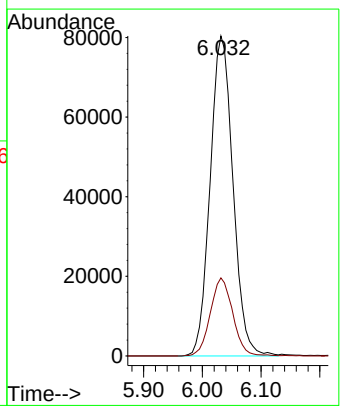


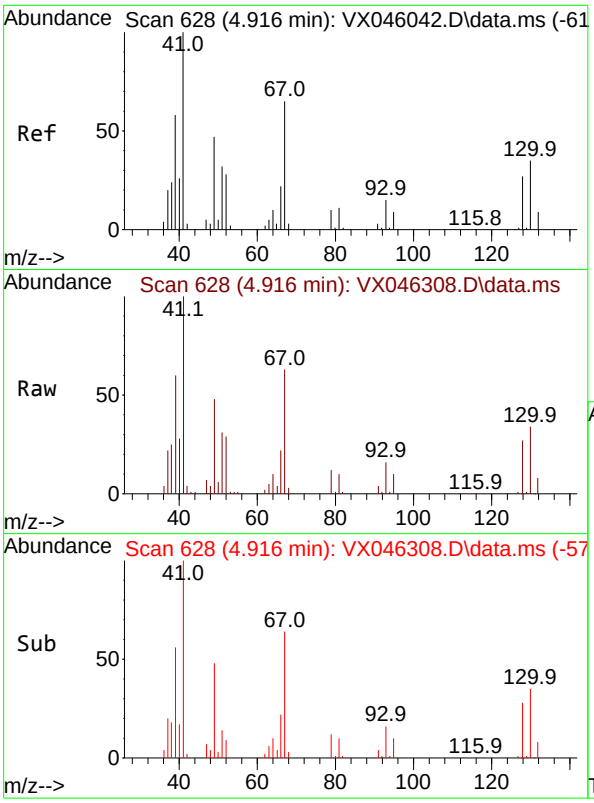


#40
Benzene
Concen: 52.408 ug/l
RT: 6.032 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 78 Resp: 217183

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4



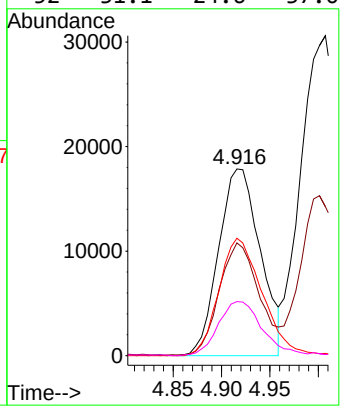


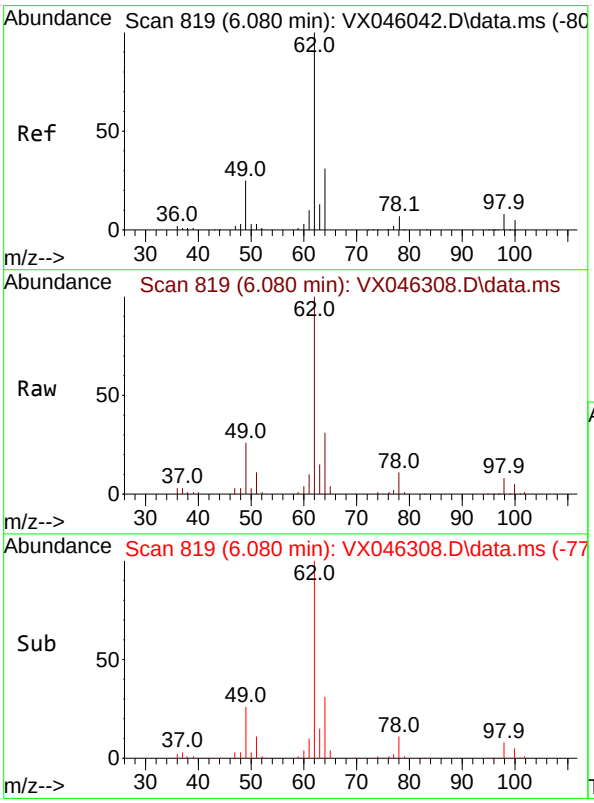
#41
Methacrylonitrile
Concen: 58.646 ug/l
RT: 4.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 41 Resp: 53625

Ion	Ratio	Lower	Upper
41	100		
39	58.2	47.2	70.8
67	65.6	50.7	76.1
52	31.1	24.6	37.0

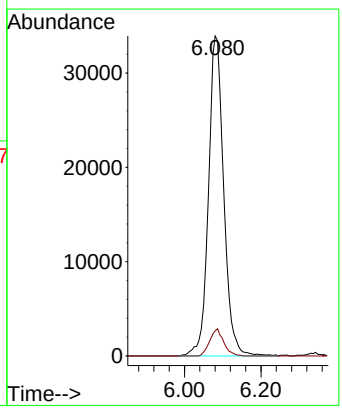


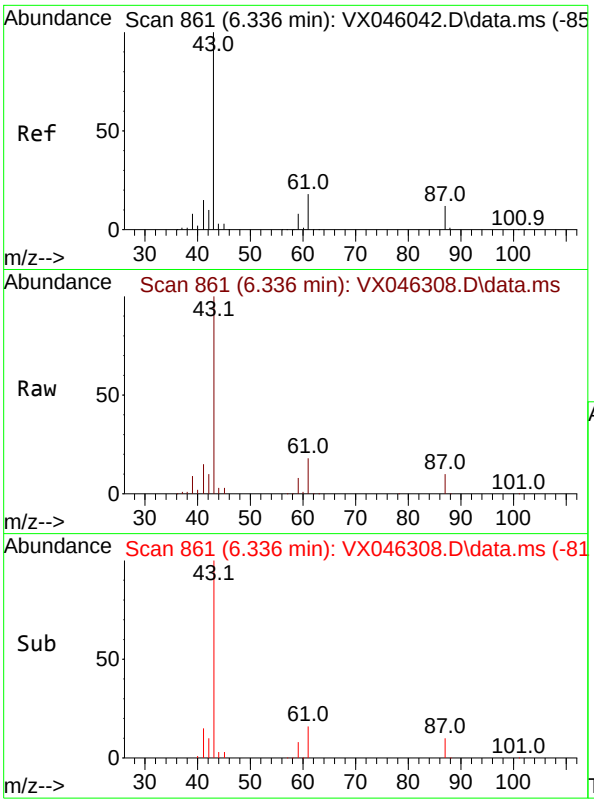


#42
1,2-Dichloroethane
Concen: 52.580 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 62 Resp: 94041

Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.2



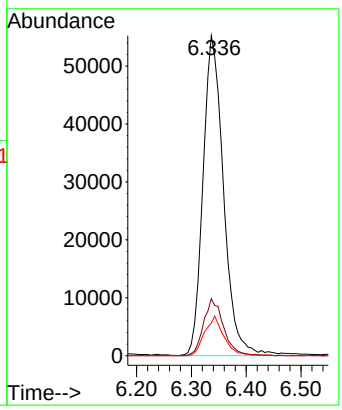


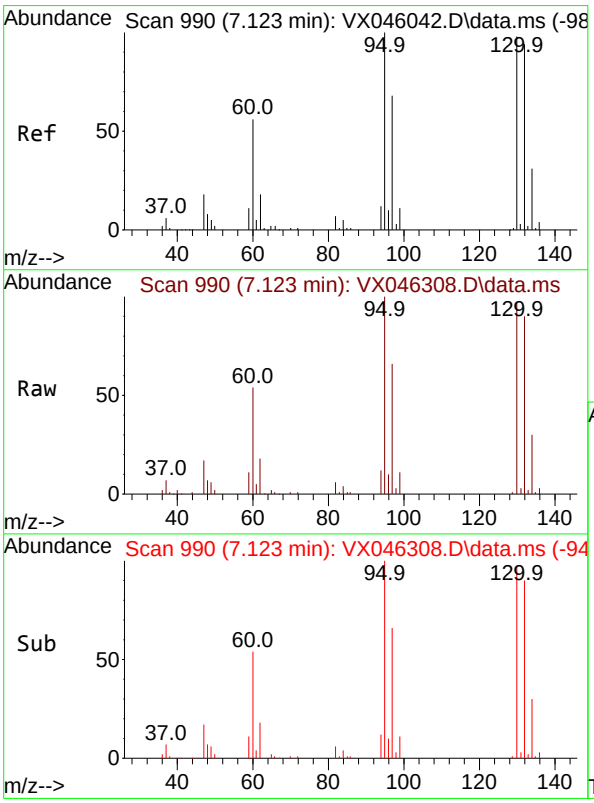
#43
Isopropyl Acetate
Concen: 53.891 ug/l
RT: 6.336 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 43 Resp: 143709

Ion	Ratio	Lower	Upper
43	100		
61	17.3	14.3	21.5
87	11.6	9.5	14.3

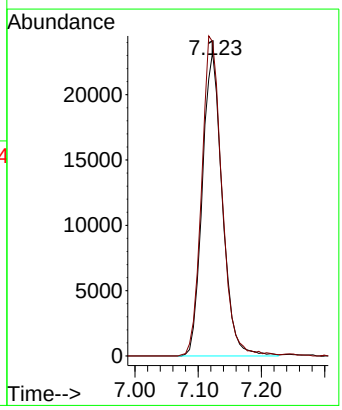


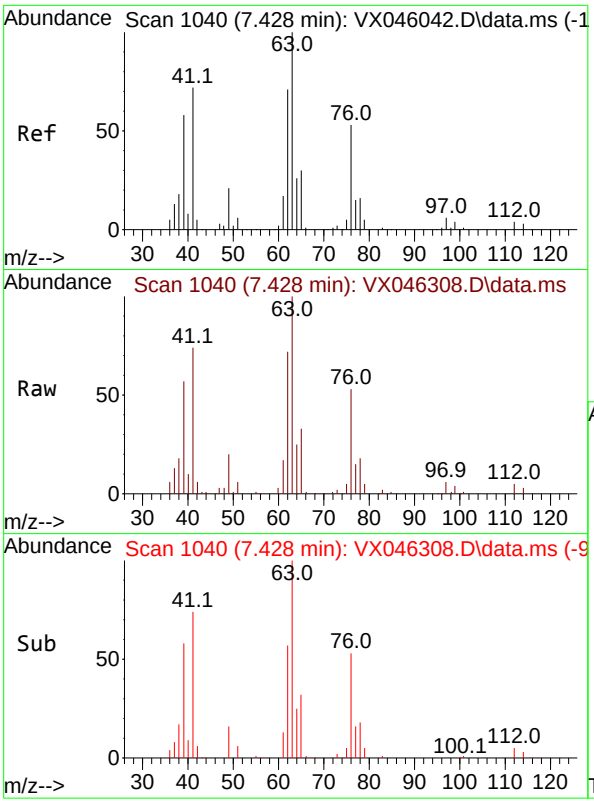


#44
Trichloroethene
Concen: 51.247 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:130 Resp: 51114

Ion	Ratio	Lower	Upper
130	100		
95	103.4	0.0	204.2



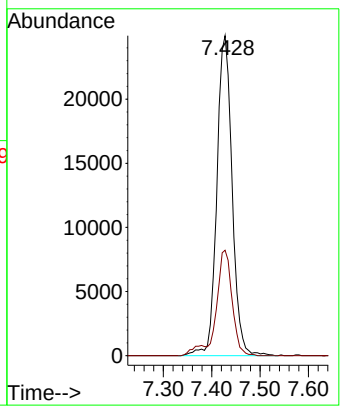


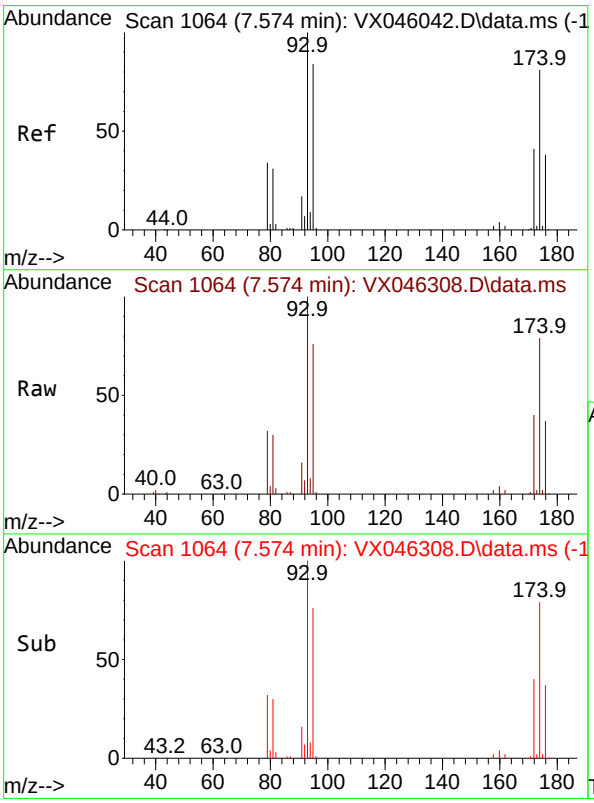
#45
1,2-Dichloropropane
Concen: 53.171 ug/l
RT: 7.428 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 63 Resp: 54790

Ion	Ratio	Lower	Upper
63	100		
65	33.0	24.1	36.1

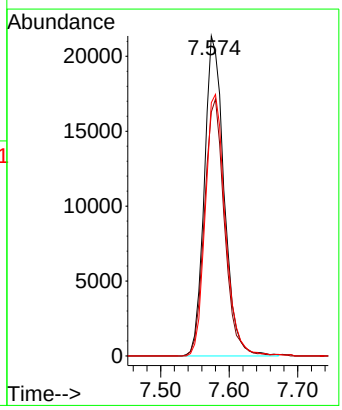


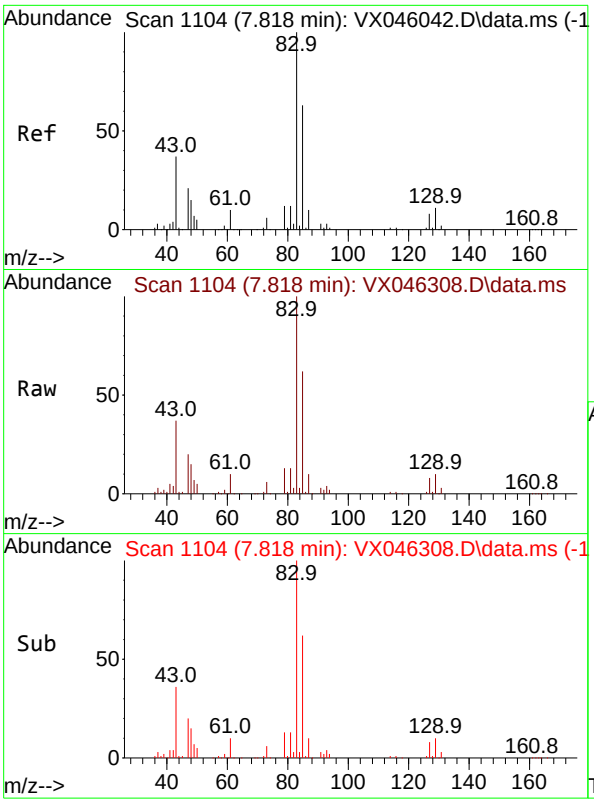


#46
Dibromomethane
Concen: 52.644 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 93 Resp: 42785

Ion	Ratio	Lower	Upper
93	100		
95	81.2	65.6	98.4
174	82.9	68.2	102.2



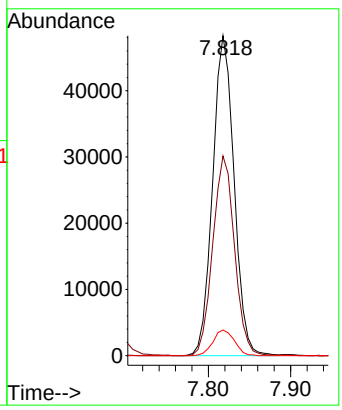


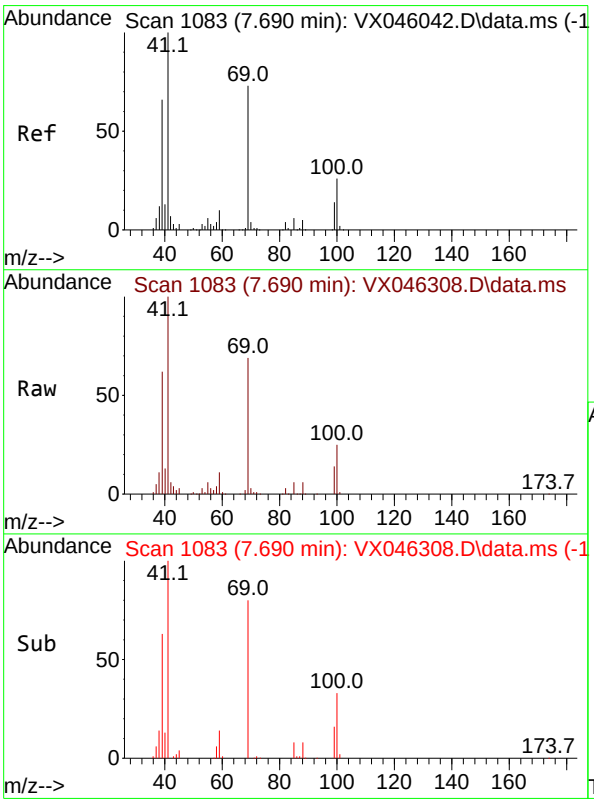
#47
Bromodichloromethane
Concen: 54.637 ug/l
RT: 7.818 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 83 Resp: 87459

Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.5	75.7
127	8.0	6.5	9.7

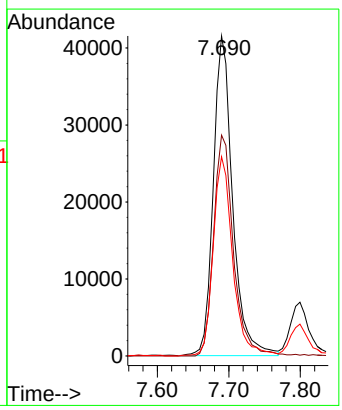


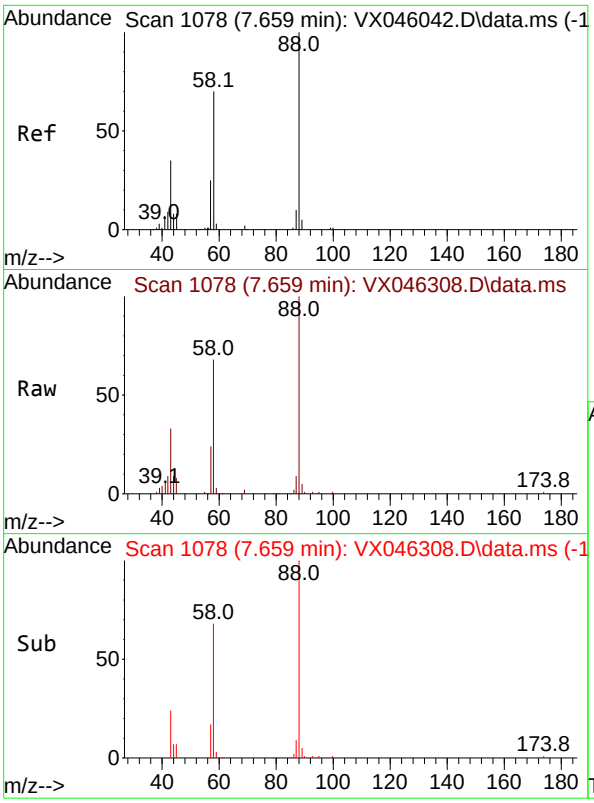


#48
Methyl methacrylate
Concen: 57.222 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 41 Resp: 77929

Ion	Ratio	Lower	Upper
41	100		
69	70.9	58.5	87.7
39	63.0	51.7	77.5



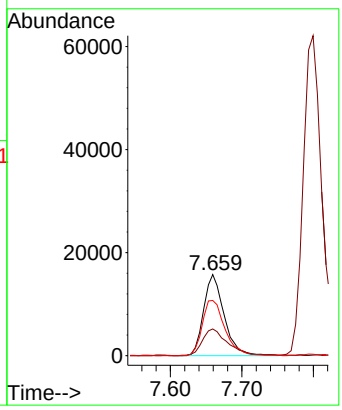


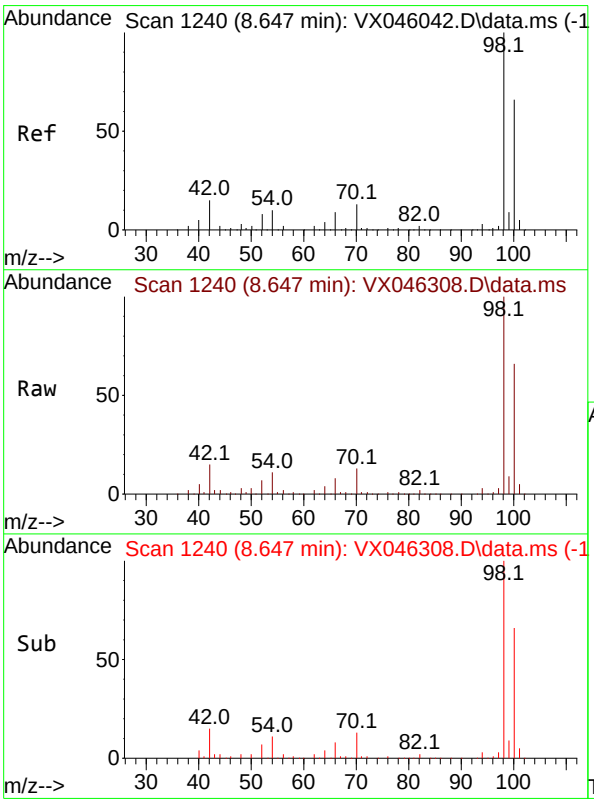
#49
1,4-Dioxane
Concen: 1210.825 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 88 Resp: 31310

Ion	Ratio	Lower	Upper
88	100		
43	41.3	33.4	50.2
58	75.3	58.6	88.0

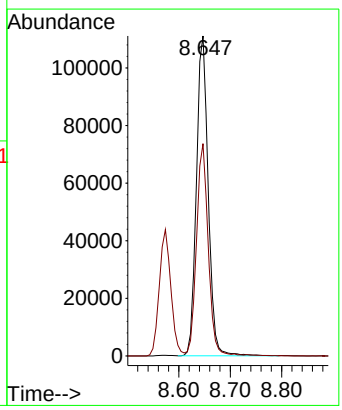


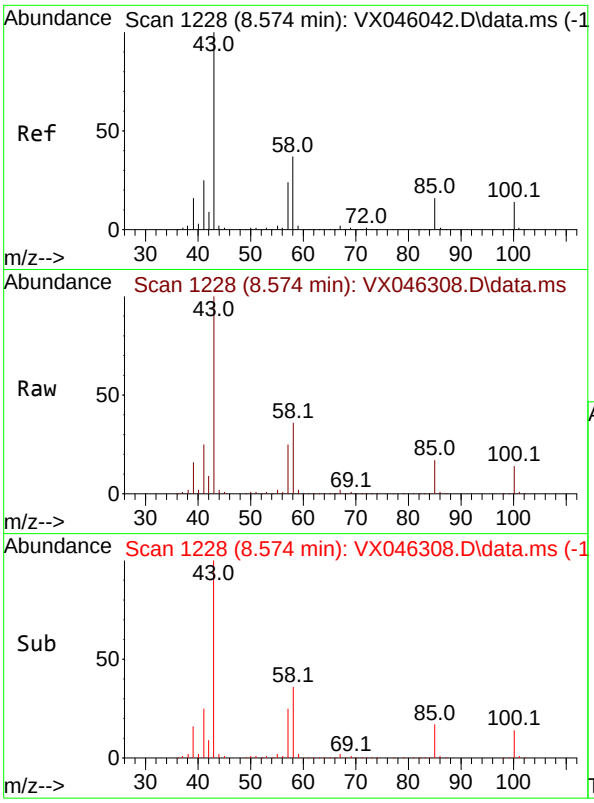


#50
Toluene-d8
Concen: 48.662 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 98 Resp: 177350

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.5	80.3



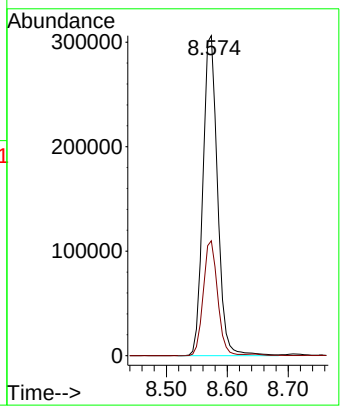


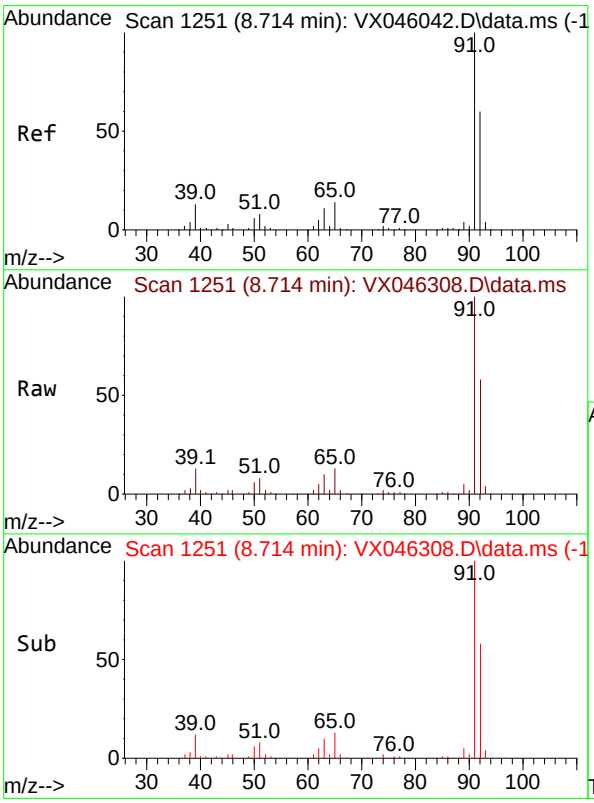
#51
4-Methyl-2-Pentanone
Concen: 287.904 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 43 Resp: 509615

Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.9	43.3

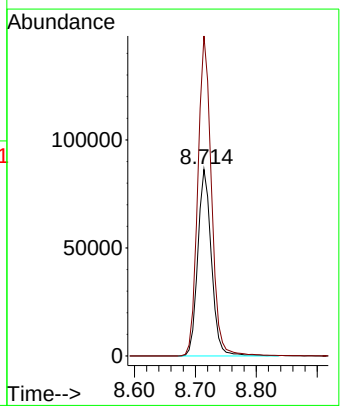


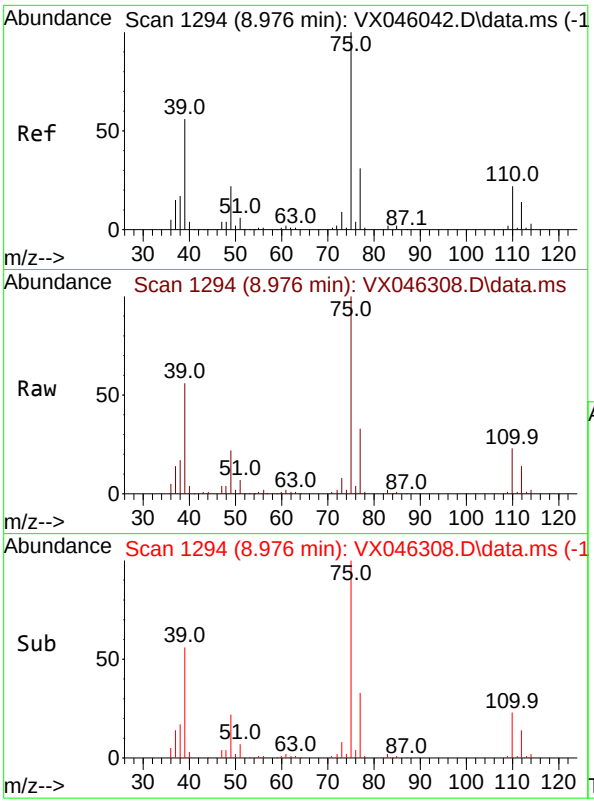


#52
Toluene
Concen: 52.817 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 92 Resp: 134212

Ion	Ratio	Lower	Upper
92	100		
91	171.7	136.6	205.0



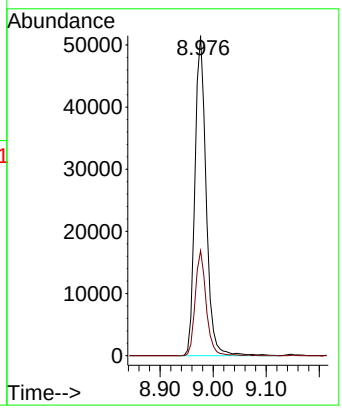


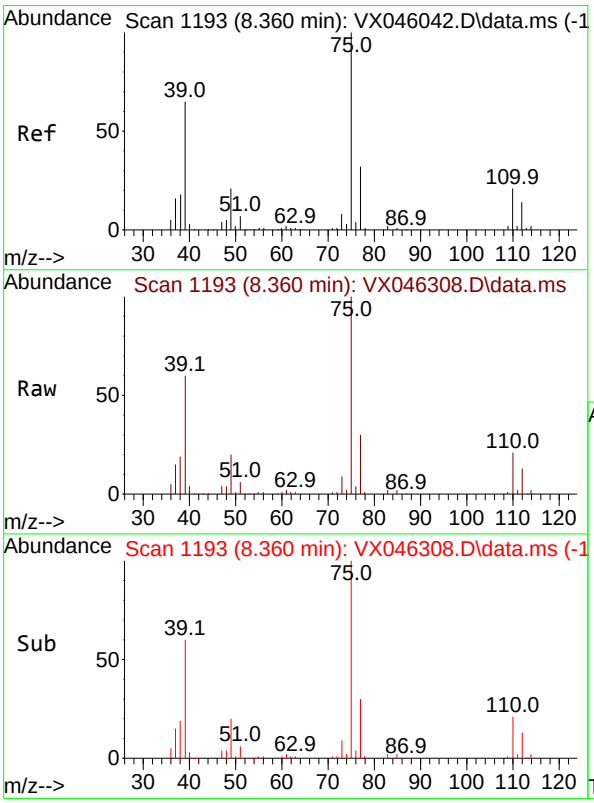
#53
t-1,3-Dichloropropene
Concen: 53.005 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 75 Resp: 75416

Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.0	37.6

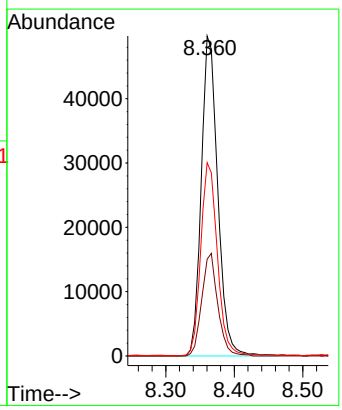


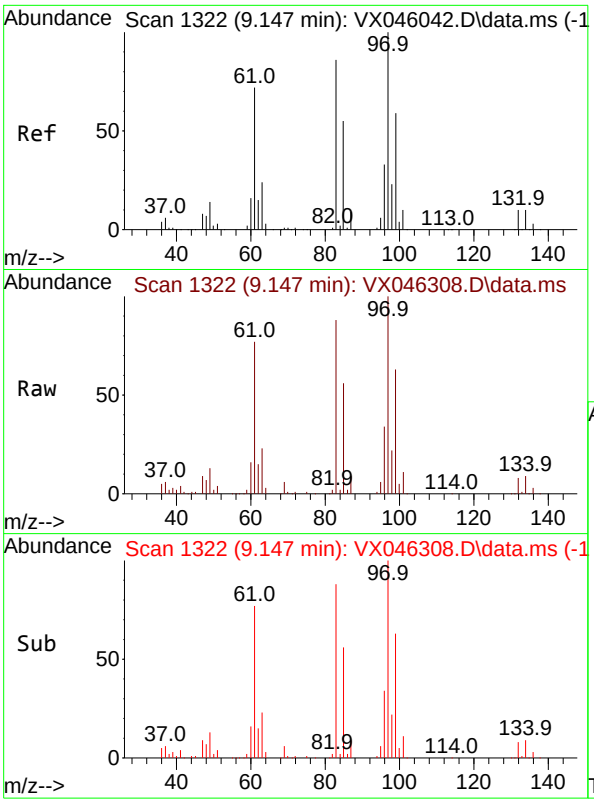


#54
cis-1,3-Dichloropropene
Concen: 53.119 ug/l
RT: 8.360 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 75 Resp: 83532

Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.4	38.0
39	60.4	52.2	78.4



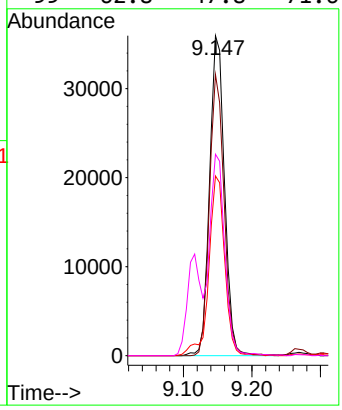


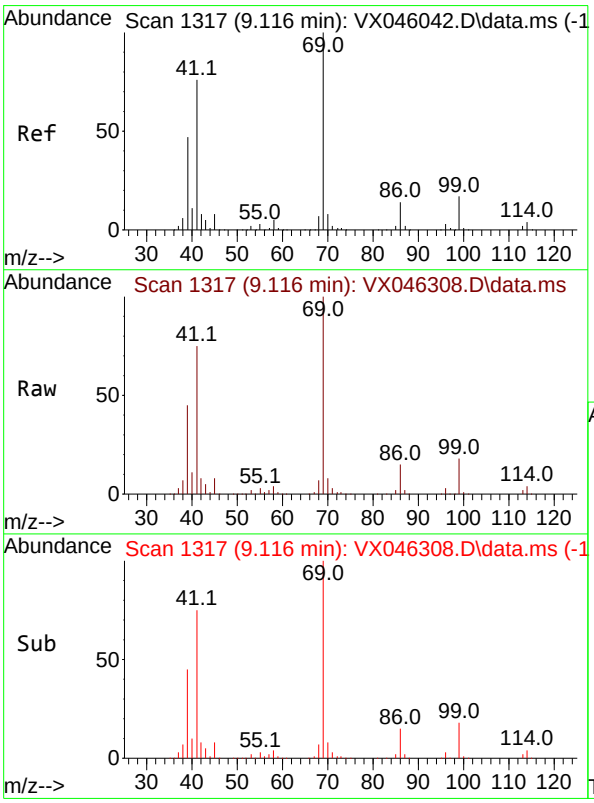
#55
1,1,2-Trichloroethane
Concen: 54.415 ug/l
RT: 9.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 97 Resp: 54521

Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.0	103.6
85	56.1	44.3	66.5
99	62.8	47.8	71.6

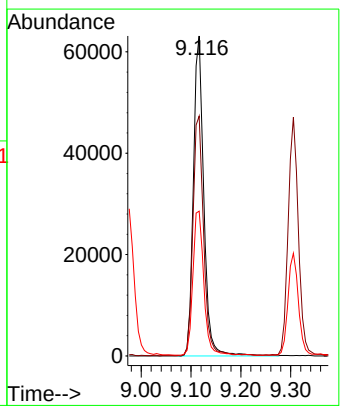


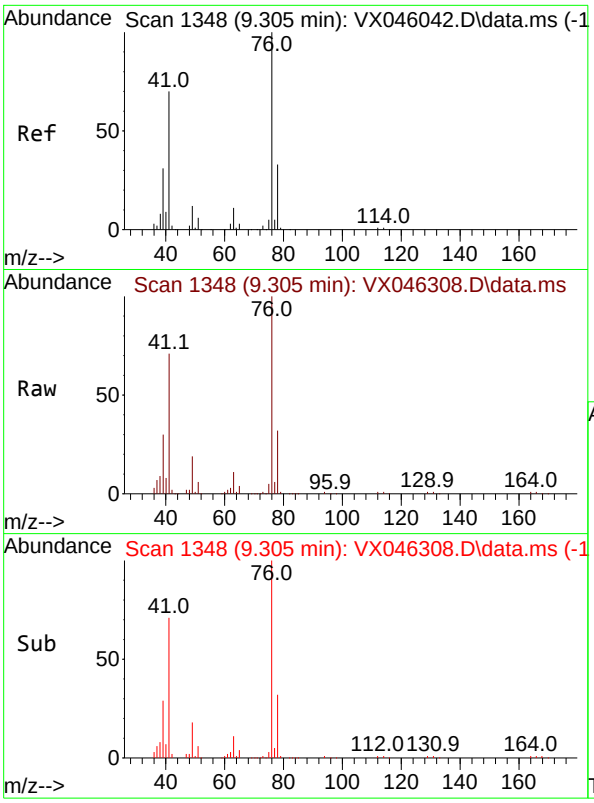


#56
Ethyl methacrylate
Concen: 57.344 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 69 Resp: 91572

Ion	Ratio	Lower	Upper
69	100		
41	76.9	60.8	91.2
39	47.0	39.0	58.6



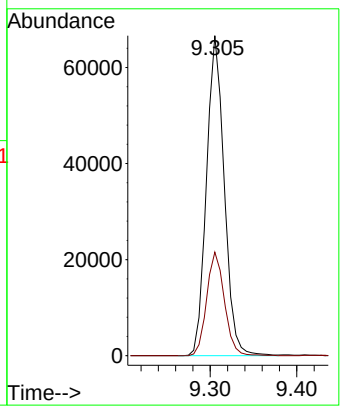


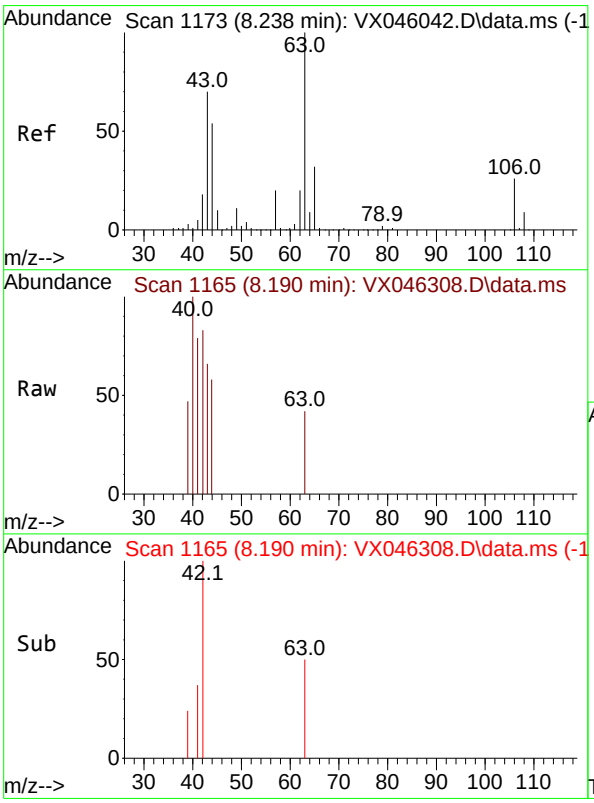
#57
1,3-Dichloropropane
Concen: 52.744 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 76 Resp: 94909

Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5

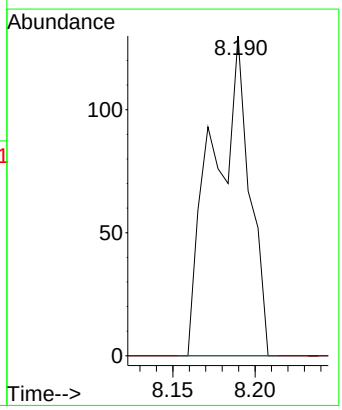


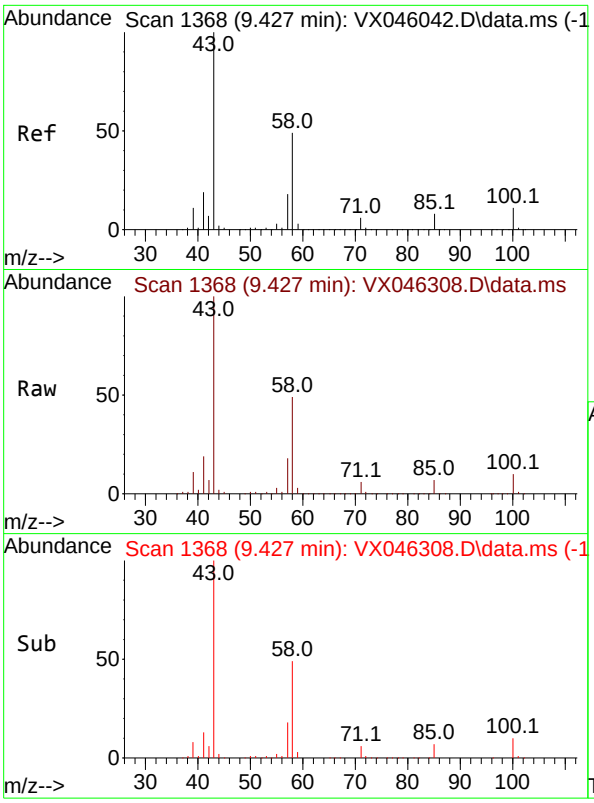


#58
2-Chloroethyl Vinyl ether
Concen: 0.246 ug/l
RT: 8.190 min Scan# 1165
Delta R.T. -0.049 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 63 Resp: 200

Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.5	32.3#



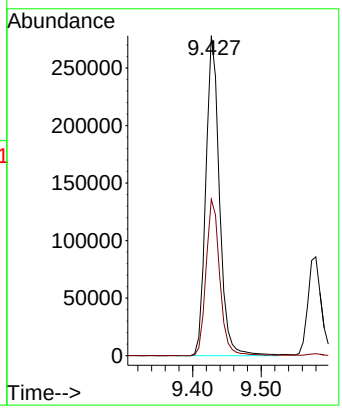


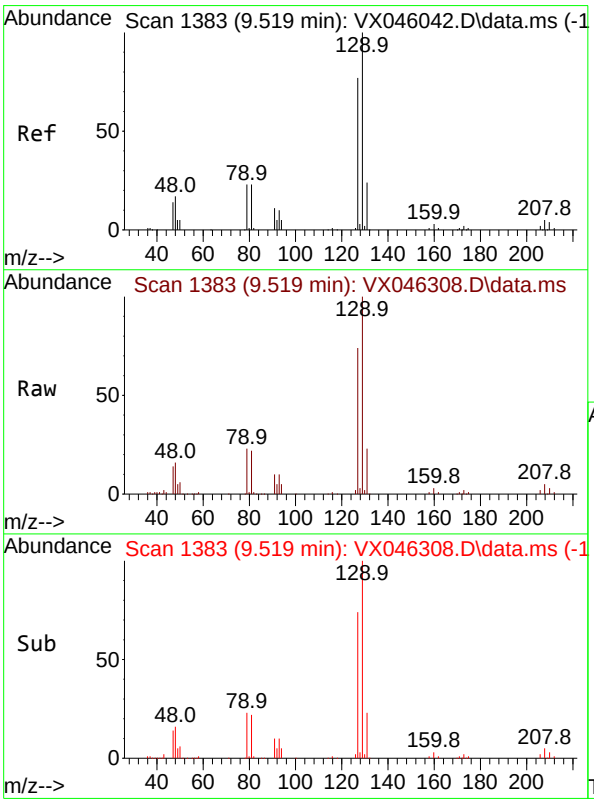
#59
2-Hexanone
Concen: 293.071 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 43 Resp: 383797

Ion	Ratio	Lower	Upper
43	100		
58	49.4	24.9	74.6

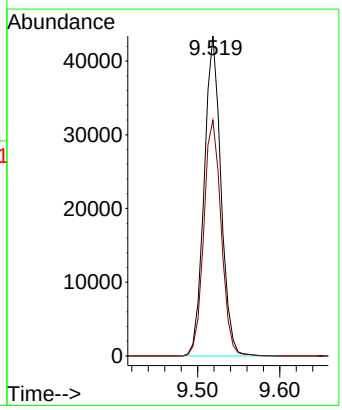


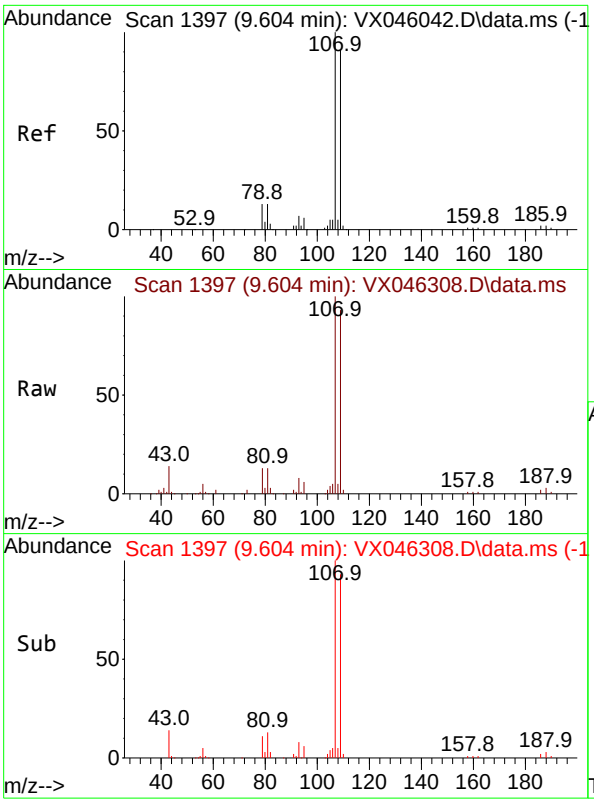


#60
Dibromochloromethane
Concen: 55.926 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:129 Resp: 61539

Ion	Ratio	Lower	Upper
129	100		
127	76.1	39.3	117.8



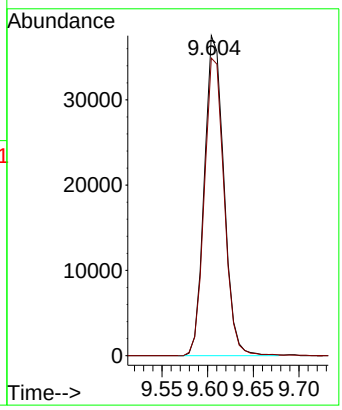


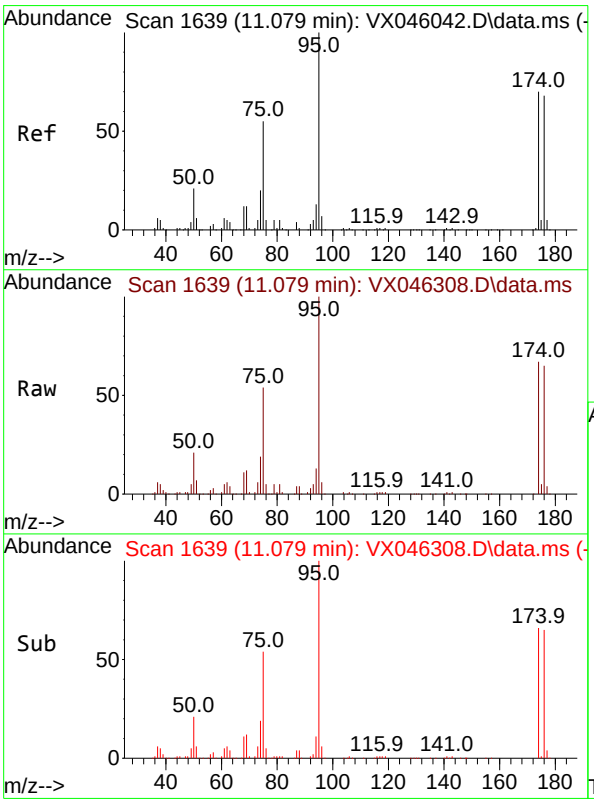
#61
1,2-Dibromoethane
Concen: 53.390 ug/l
RT: 9.604 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:107 Resp: 55600

Ion	Ratio	Lower	Upper
107	100		
109	94.5	73.3	109.9

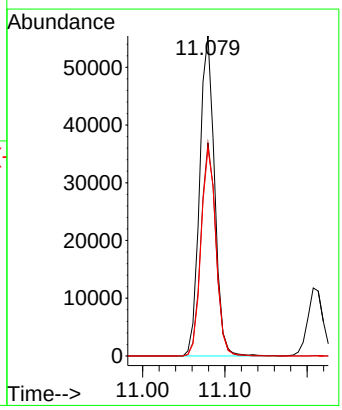


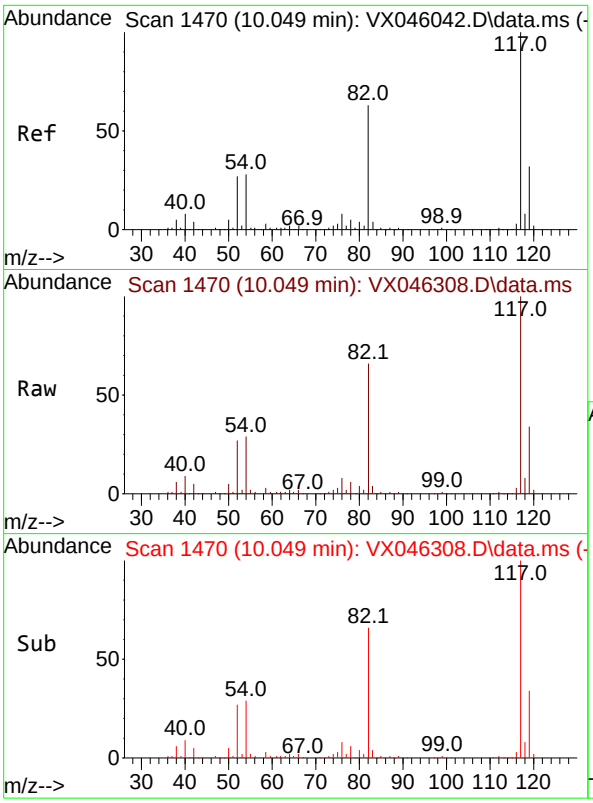


#62
4-Bromofluorobenzene
Concen: 49.926 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 95 Resp: 69796

Ion	Ratio	Lower	Upper
95	100		
174	66.2	0.0	135.8
176	64.7	0.0	131.4



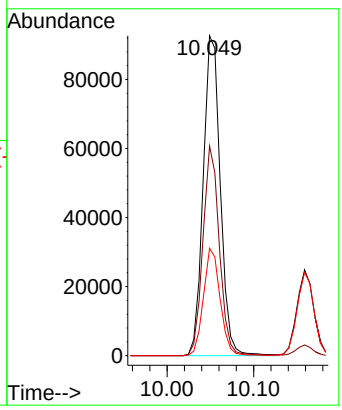


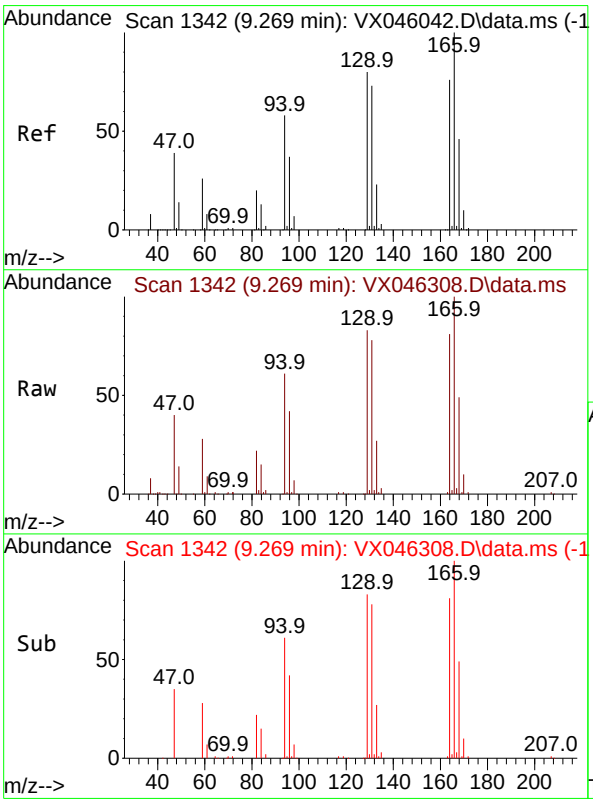
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:117 Resp: 127394

Ion	Ratio	Lower	Upper
117	100		
82	65.6	50.6	76.0
119	33.5	25.8	38.6

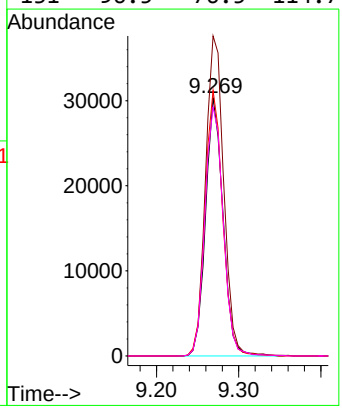


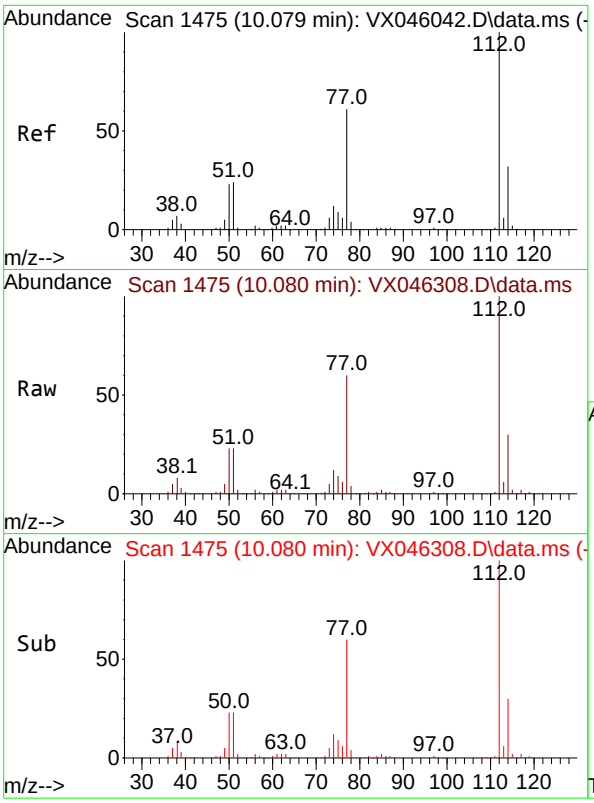


#64
Tetrachloroethene
Concen: 49.494 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:164 Resp: 44612

Ion	Ratio	Lower	Upper
164	100		
166	124.0	105.0	157.6
129	102.8	83.5	125.3
131	96.5	76.5	114.7



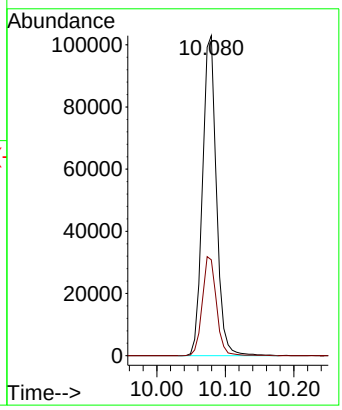


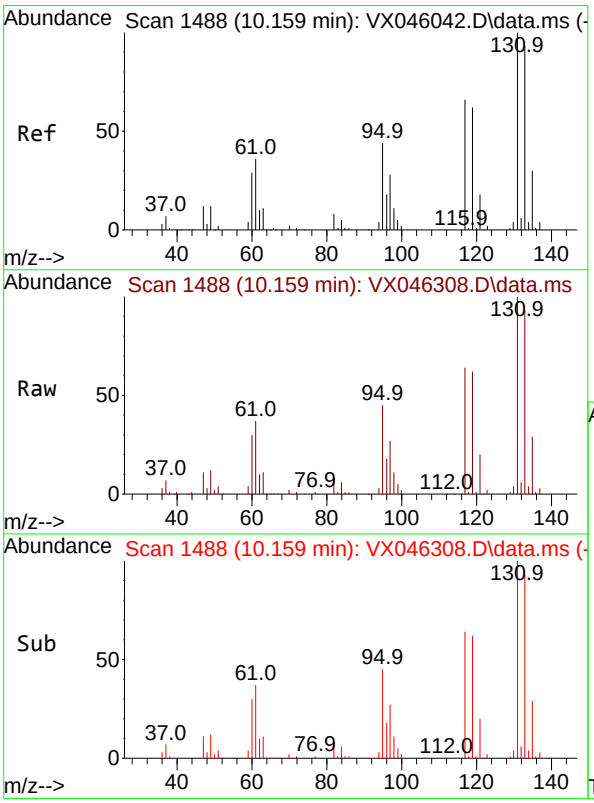
#65
Chlorobenzene
Concen: 52.183 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:112 Resp: 145504

Ion	Ratio	Lower	Upper
112	100		
114	29.9	25.4	38.2

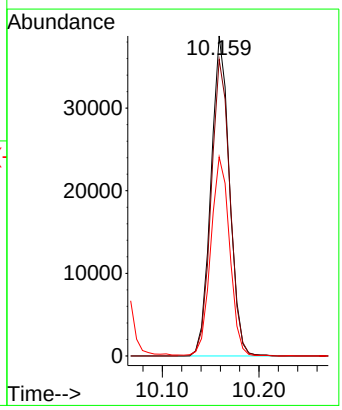


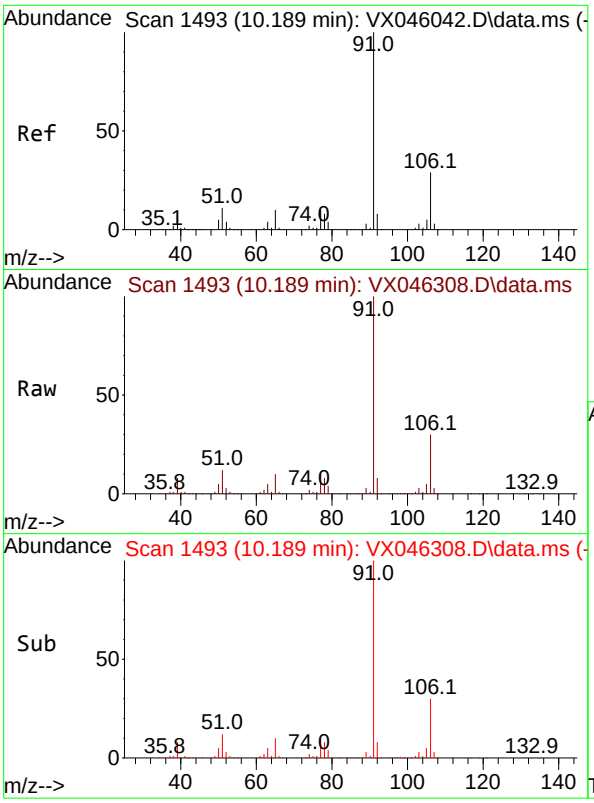


#66
1,1,1,2-Tetrachloroethane
Concen: 54.164 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:131 Resp: 51571

Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.3	141.9
119	63.3	31.6	95.0



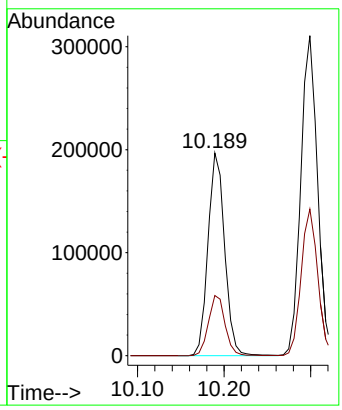


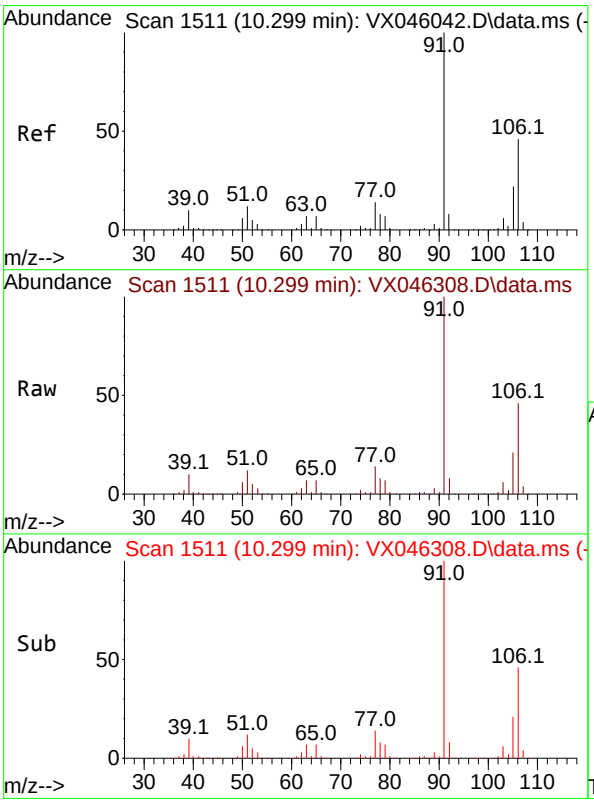
#67
Ethyl Benzene
Concen: 53.467 ug/l
RT: 10.189 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 91 Resp: 262796

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.4	35.2

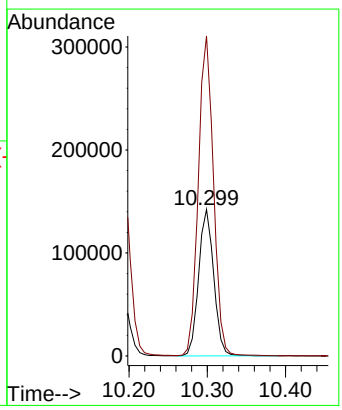


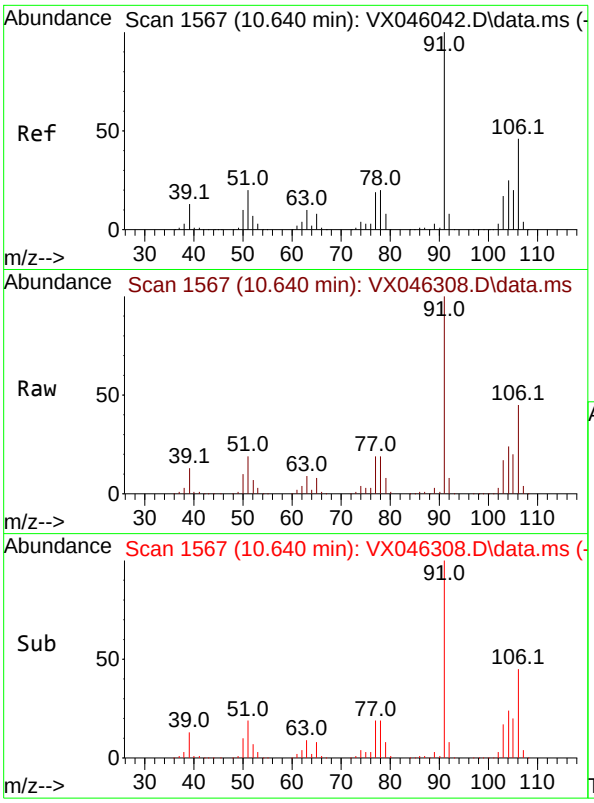


#68
m/p-Xylenes
Concen: 105.672 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:106 Resp: 189962

Ion	Ratio	Lower	Upper
106	100		
91	220.3	171.2	256.8



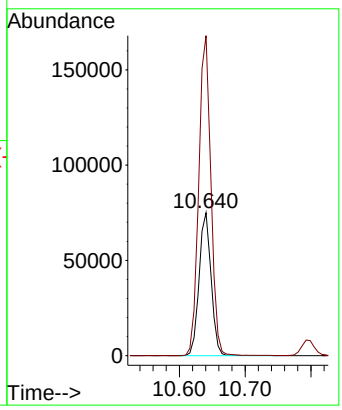


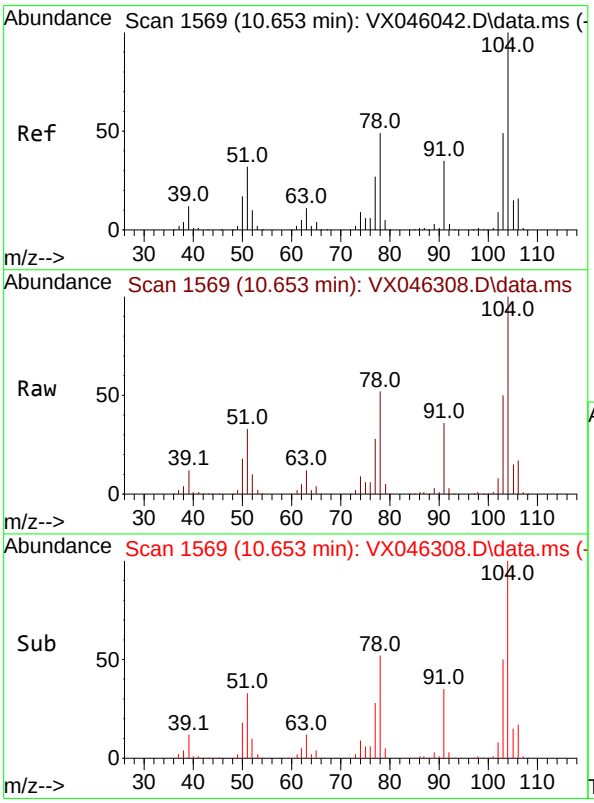
#69
o-Xylene
Concen: 54.305 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:106 Resp: 95172

Ion	Ratio	Lower	Upper
106	100		
91	226.7	112.7	338.1

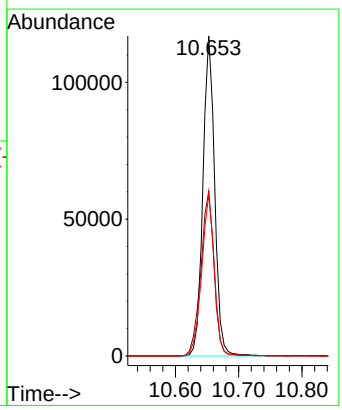


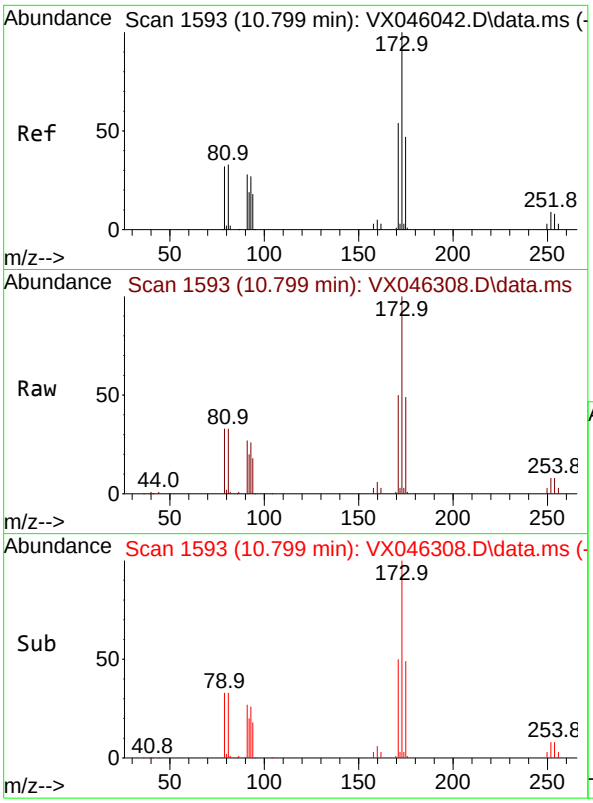


#70
Styrene
Concen: 52.763 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:104 Resp: 151475

Ion	Ratio	Lower	Upper
104	100		
78	58.0	45.7	68.5
103	54.9	43.7	65.5



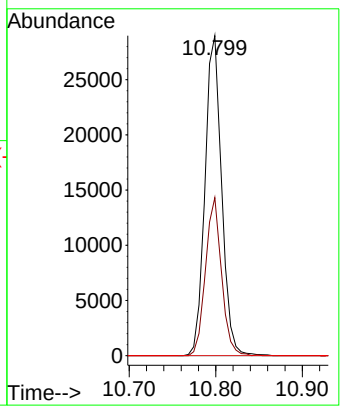


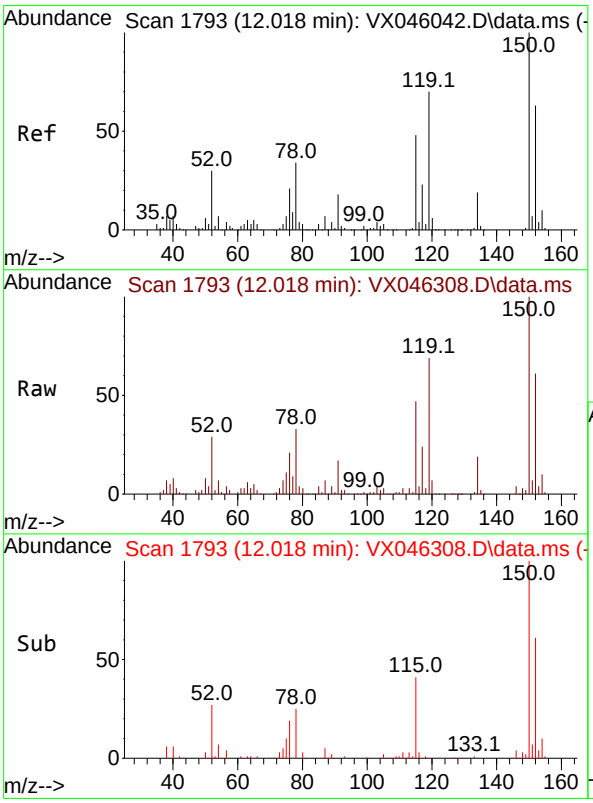
#71
Bromoform
Concen: 54.145 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:173 Resp: 38705

Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.4	70.0
254	0.0	0.0	0.0

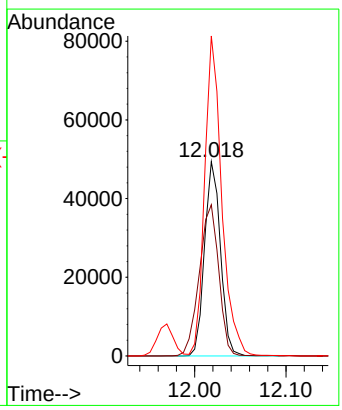


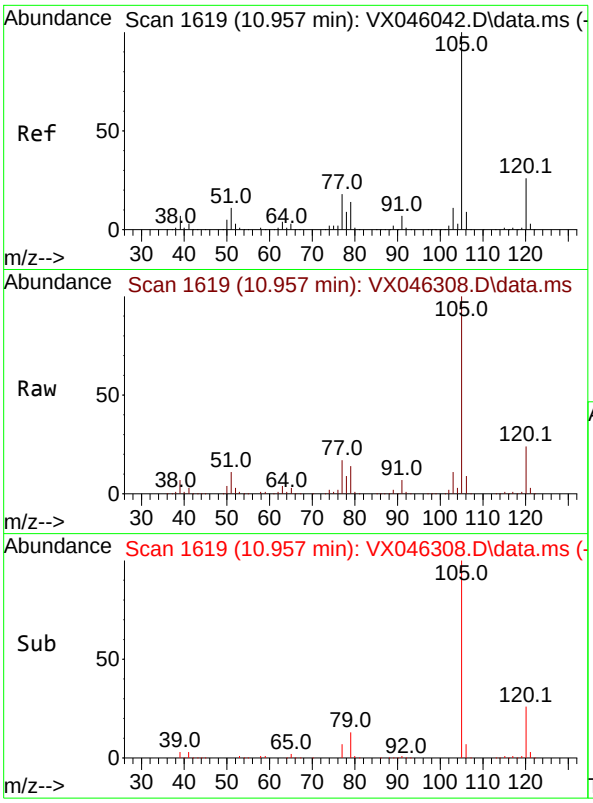


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:152 Resp: 59572

Ion	Ratio	Lower	Upper
152	100		
115	95.6	46.9	140.7
150	177.3	0.0	351.0



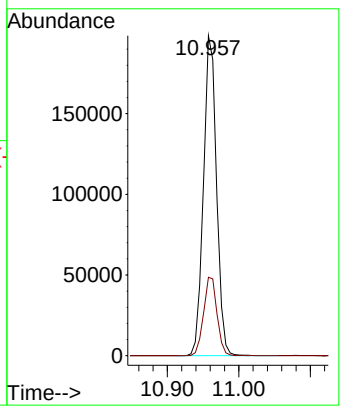


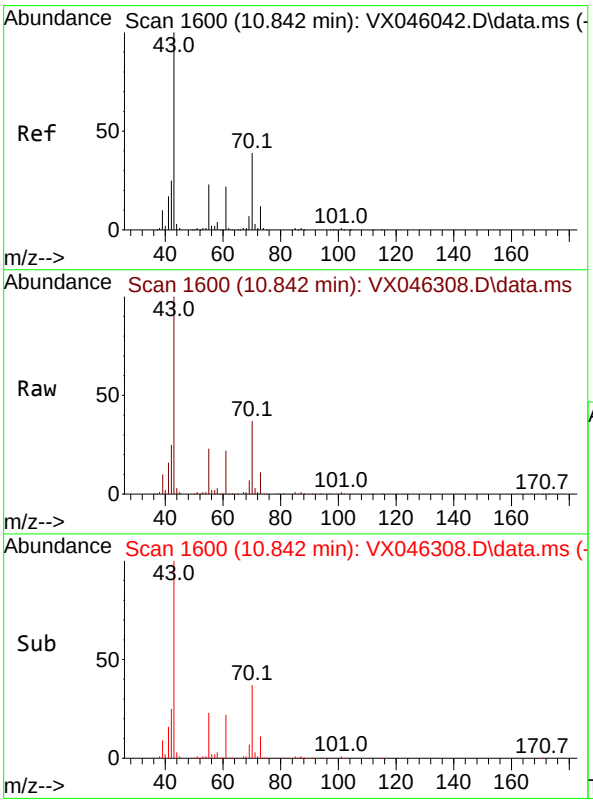
#73
Isopropylbenzene
Concen: 54.364 ug/l
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:105 Resp: 252133

Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.8	38.4

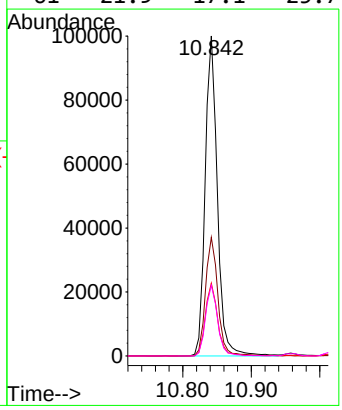


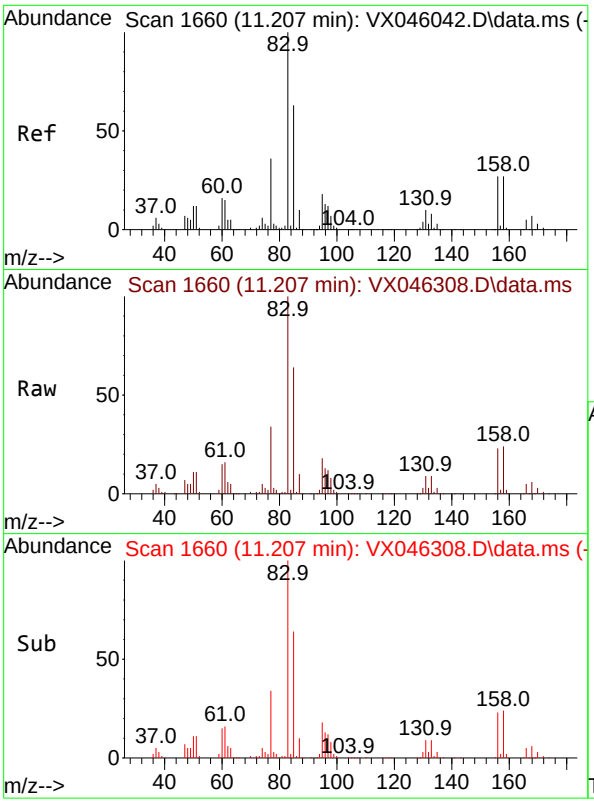


#74
N-amyl acetate
Concen: 54.075 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 43 Resp: 123928

Ion	Ratio	Lower	Upper
43	100		
70	37.7	30.9	46.3
55	23.3	18.7	28.1
61	21.9	17.1	25.7



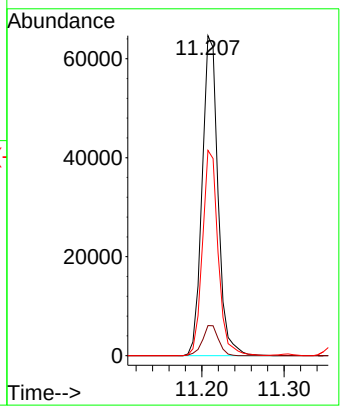


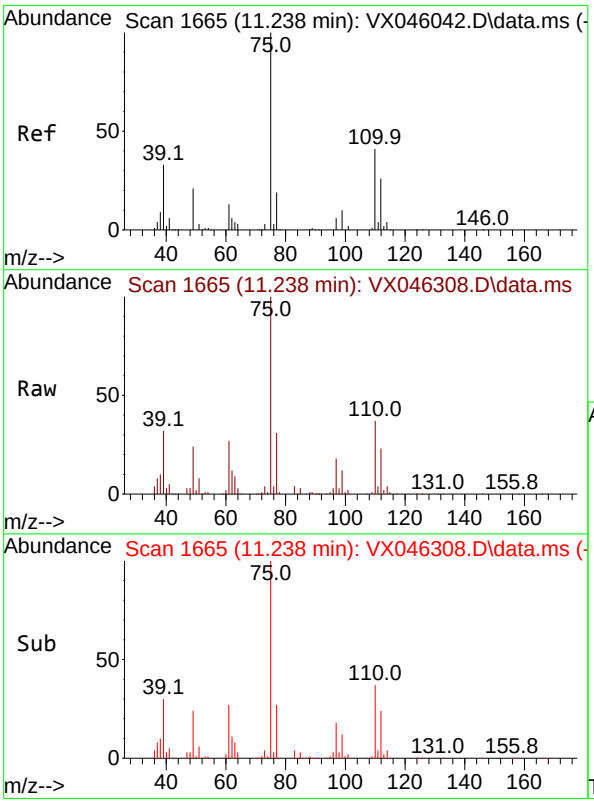
#75
1,1,2,2-Tetrachloroethane
Concen: 53.190 ug/l
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 83 Resp: 86448

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	63.6	31.9	95.7

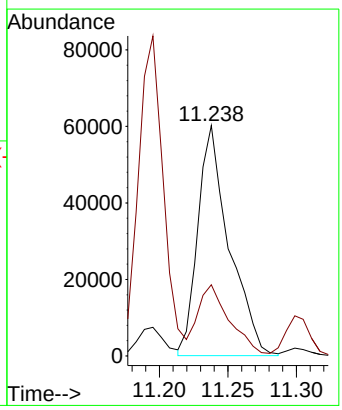


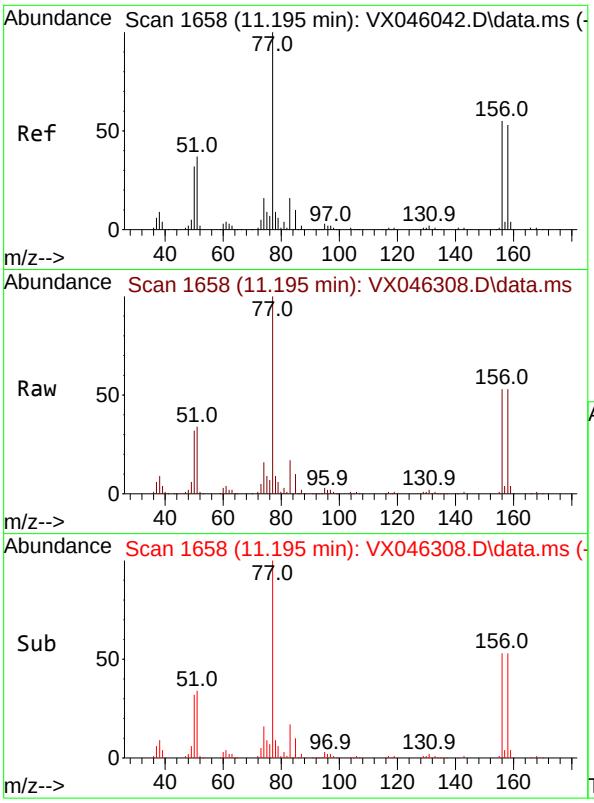


#76
1,2,3-Trichloropropane
Concen: 66.810 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 75 Resp: 95800

Ion	Ratio	Lower	Upper
75	100		
77	31.5	20.5	61.5



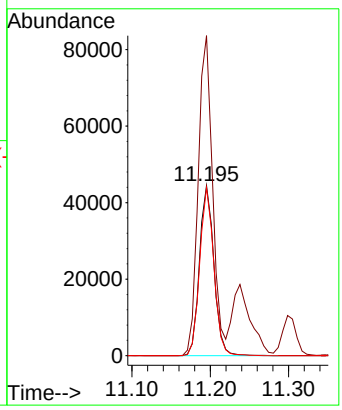


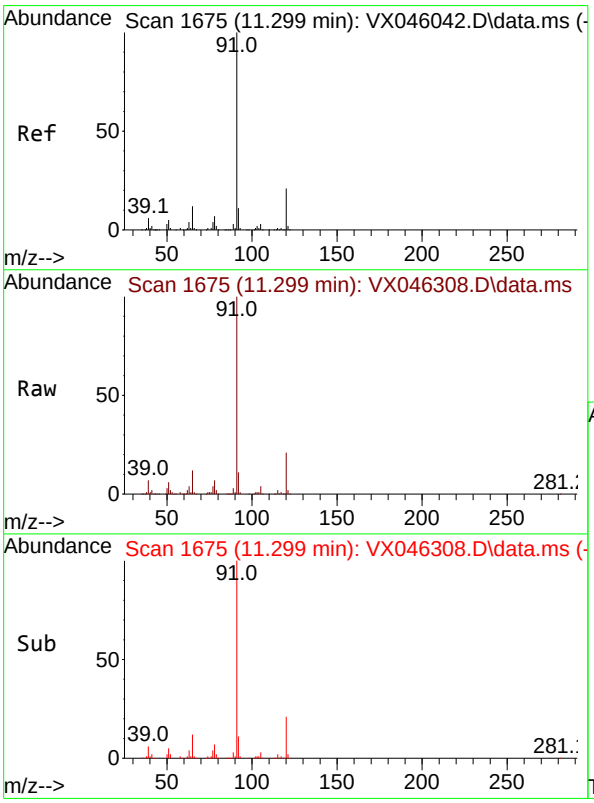
#77
Bromobenzene
Concen: 52.834 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:156 Resp: 56888

Ion	Ratio	Lower	Upper
156	100		
77	187.9	92.8	278.3
158	96.9	48.8	146.3

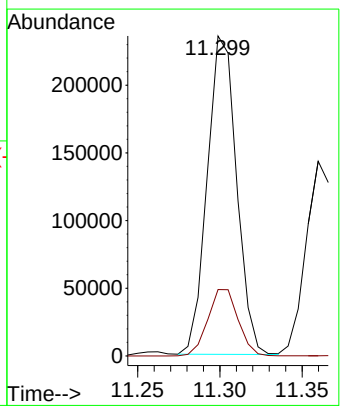


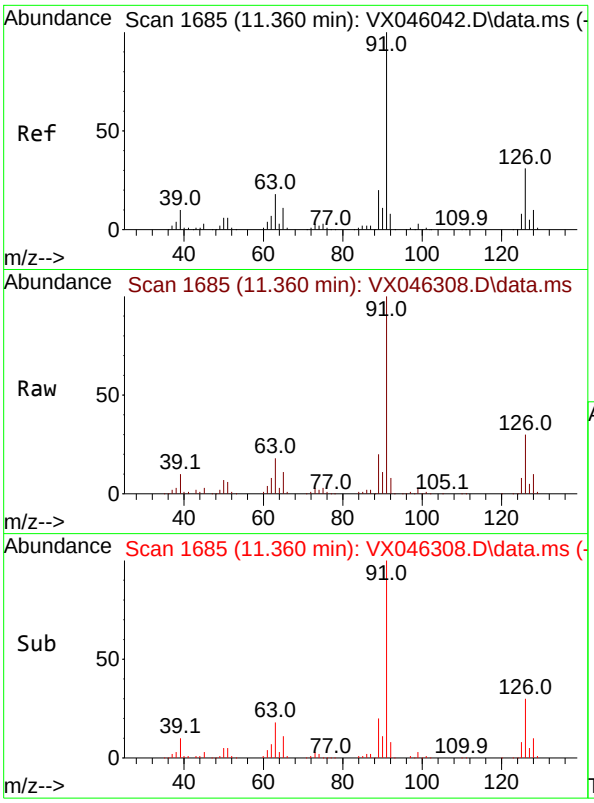


#78
n-propylbenzene
Concen: 54.229 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 91 Resp: 292439

Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.8	32.4



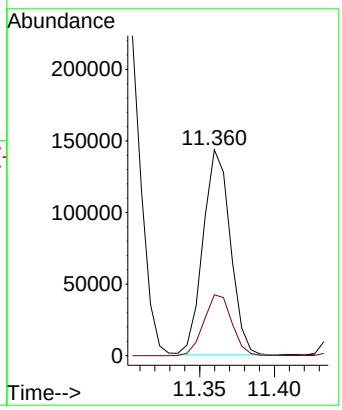


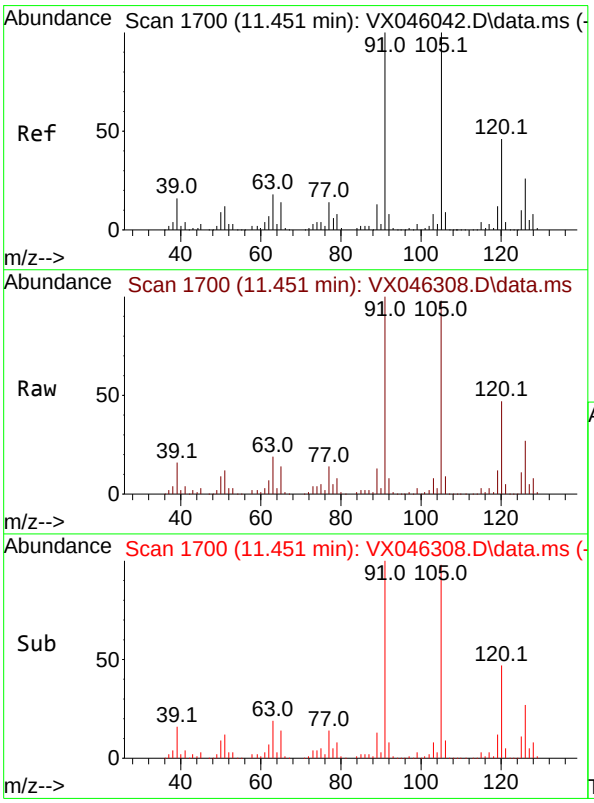
#79
2-Chlorotoluene
Concen: 52.131 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 91 Resp: 181325

Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.6	46.7

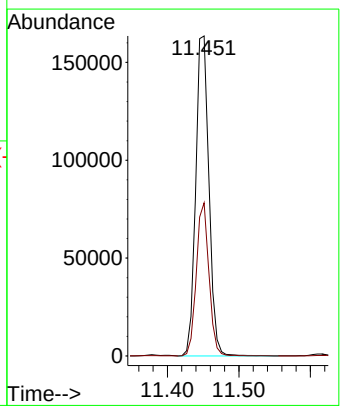


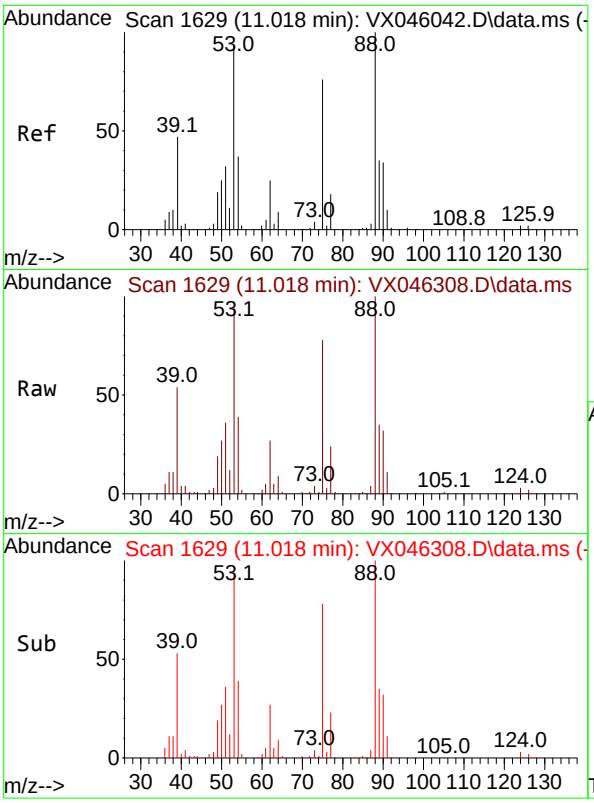


#80
1,3,5-Trimethylbenzene
Concen: 54.135 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:105 Resp: 209753

Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.1	69.2



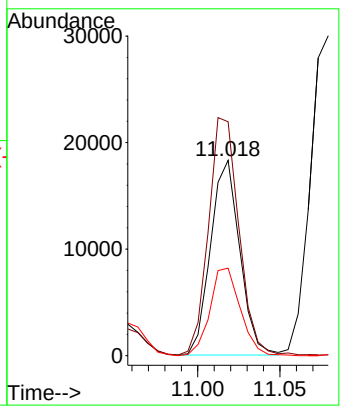


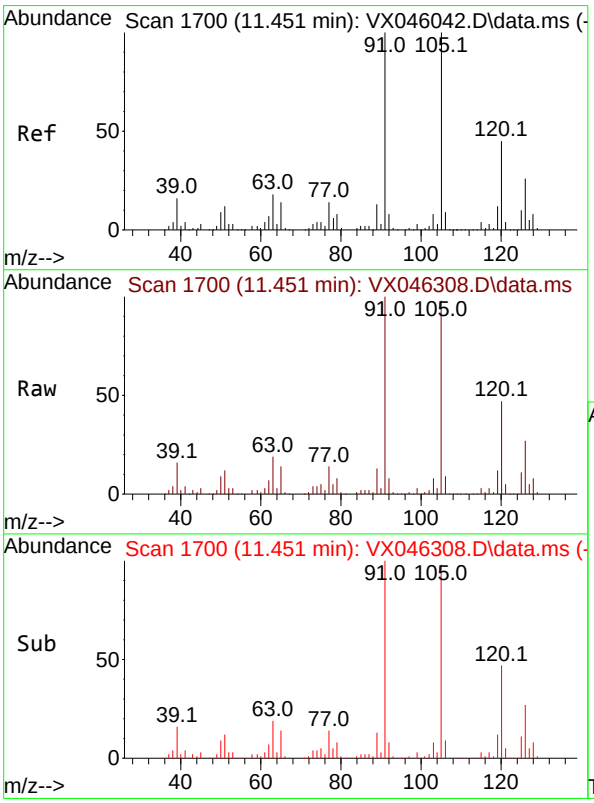
#81
trans-1,4-Dichloro-2-butene
Concen: 51.378 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 75 Resp: 22629

Ion	Ratio	Lower	Upper
75	100		
53	127.9	100.5	150.7
89	46.8	37.0	55.6

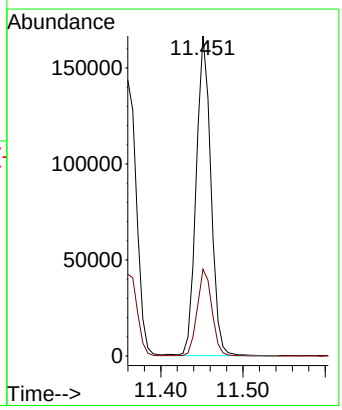


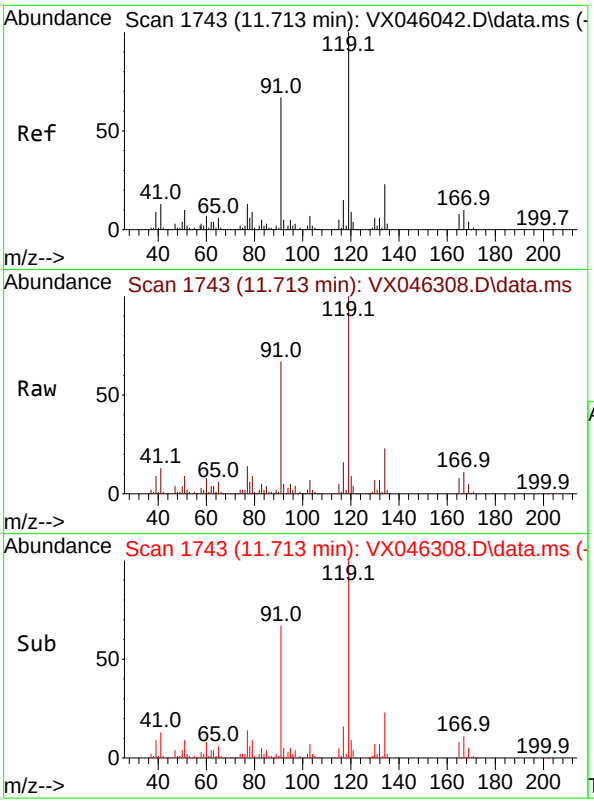


#82
4-Chlorotoluene
Concen: 53.548 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 91 Resp: 206552

Ion	Ratio	Lower	Upper
91	100		
126	27.2	13.3	39.8



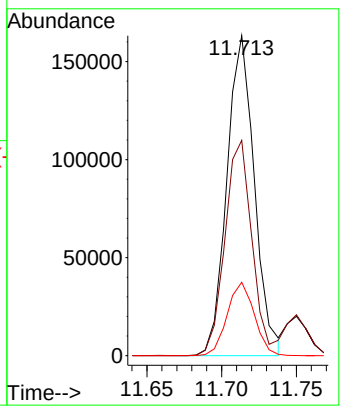


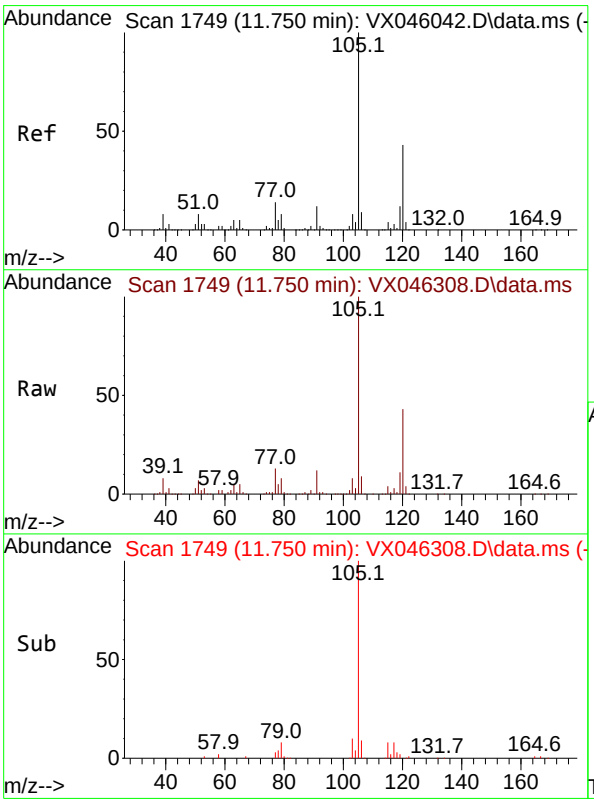
#83
tert-Butylbenzene
Concen: 53.645 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:119 Resp: 209369

Ion	Ratio	Lower	Upper
119	100		
91	65.1	32.9	98.7
134	22.6	11.4	34.1

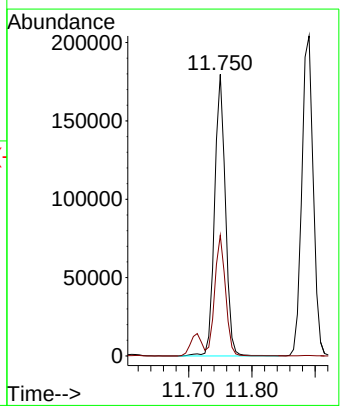


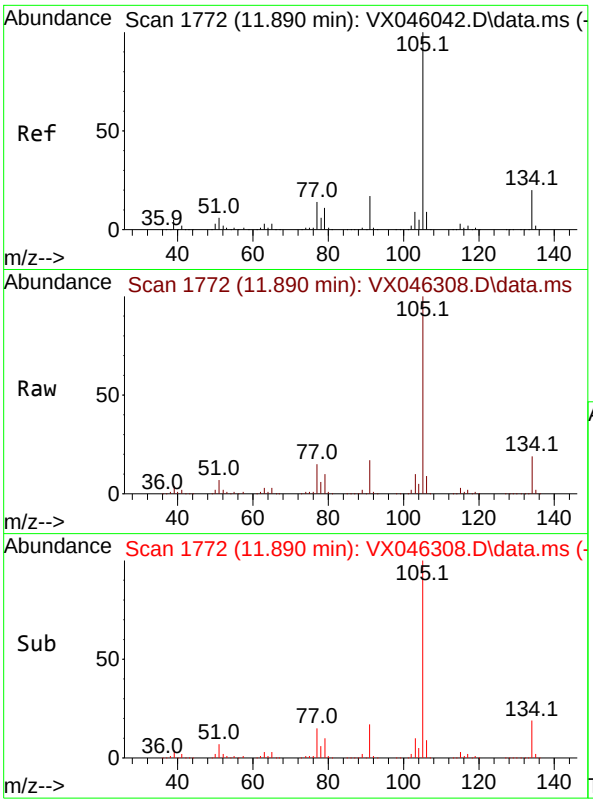


#84
1,2,4-Trimethylbenzene
Concen: 54.297 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:105 Resp: 213049

Ion	Ratio	Lower	Upper
105	100		
120	42.5	21.2	63.6



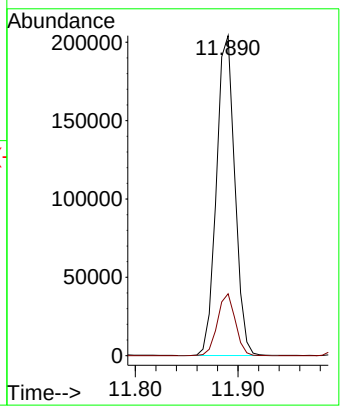


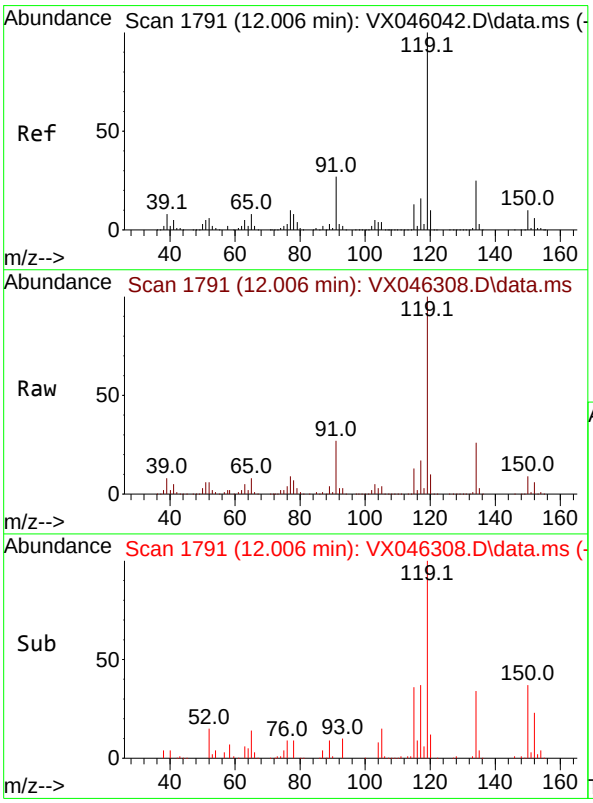
#85
sec-Butylbenzene
Concen: 52.812 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:105 Resp: 253076

Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.7	29.1

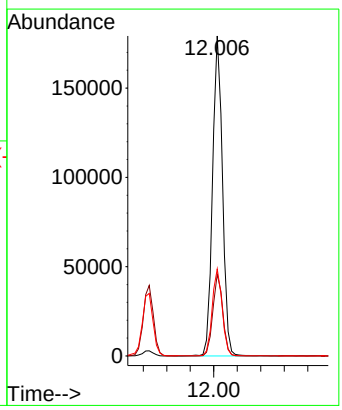


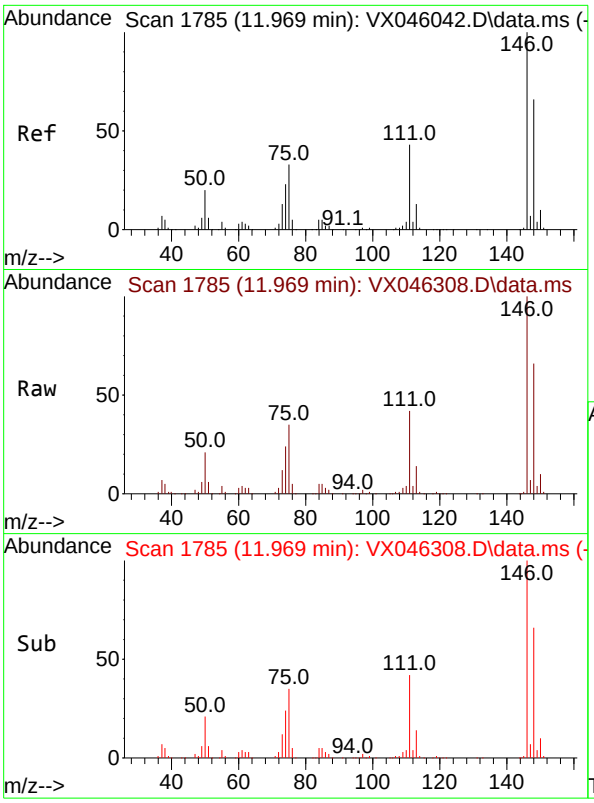


#86
p-Isopropyltoluene
Concen: 53.227 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:119 Resp: 210537

Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.5	37.5
91	27.5	13.8	41.4



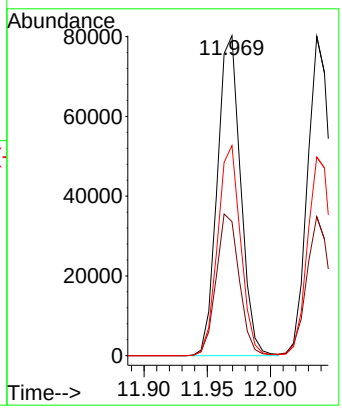


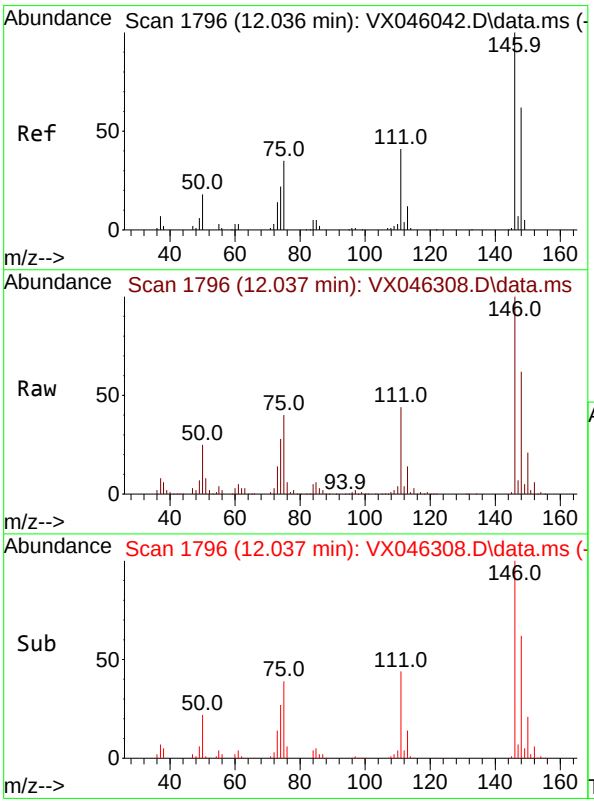
#87
1,3-Dichlorobenzene
Concen: 52.302 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:146 Resp: 102778

Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.1	66.3
148	64.8	32.1	96.5

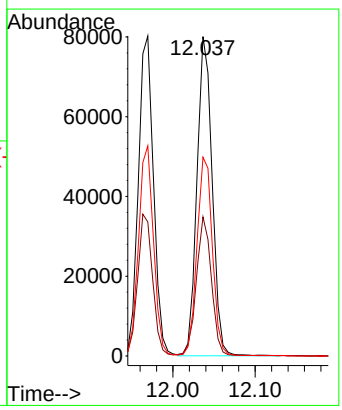


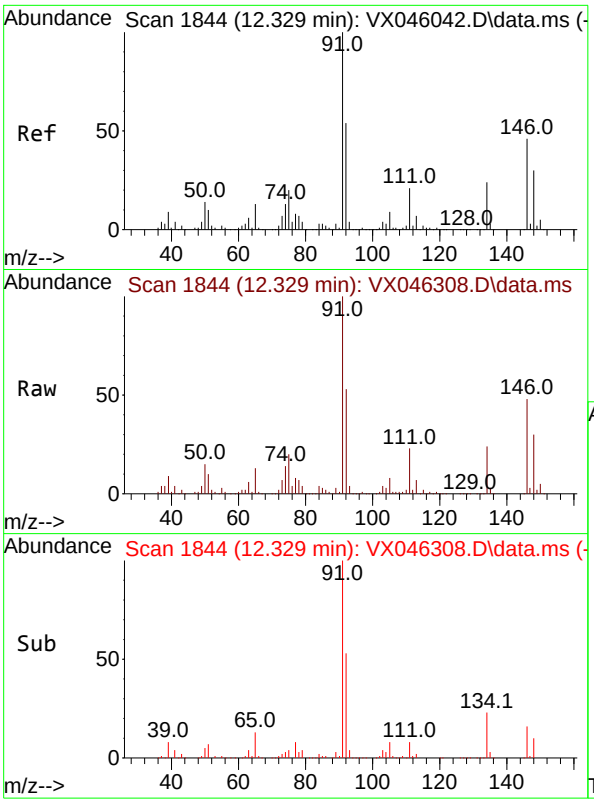


#88
1,4-Dichlorobenzene
Concen: 51.104 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:146 Resp: 102559

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	63.9
148	63.2	31.9	95.5



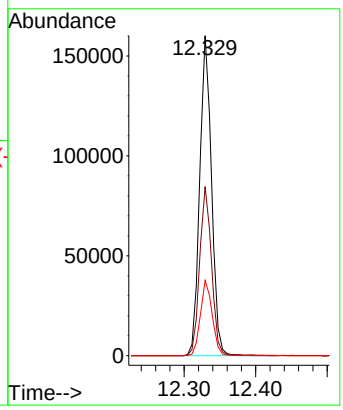


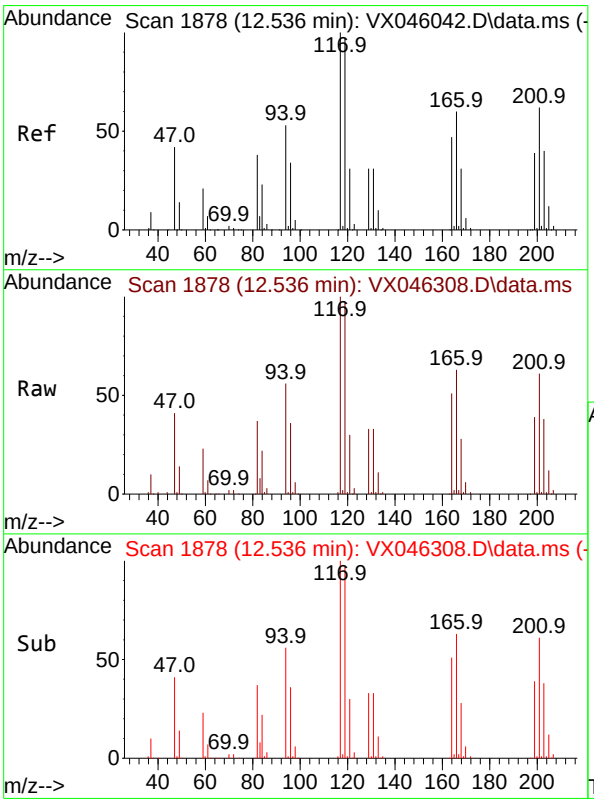
#89
n-Butylbenzene
Concen: 52.901 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion: 91 Resp: 183546

Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.9	80.7
134	23.5	11.8	35.3

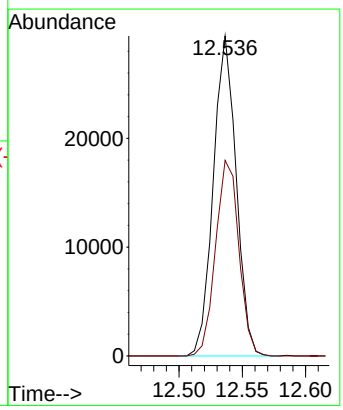


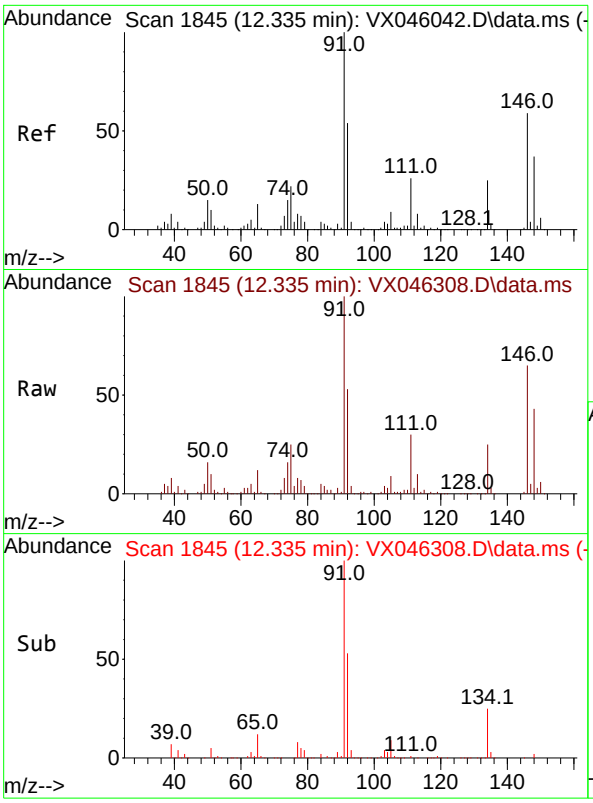


#90
Hexachloroethane
Concen: 52.993 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:117 Resp: 36929

Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.6	94.7



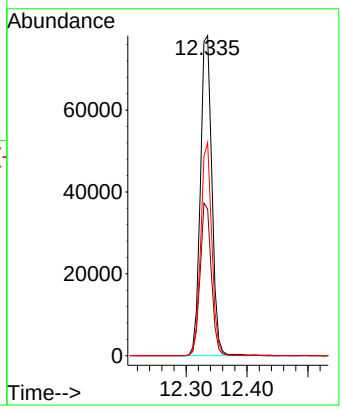


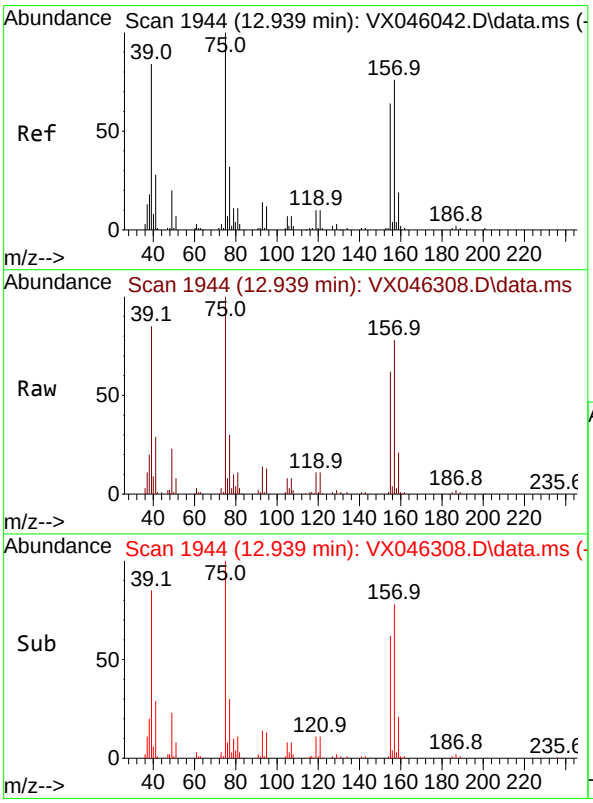
#91
1,2-Dichlorobenzene
Concen: 52.146 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:146 Resp: 102829

Ion	Ratio	Lower	Upper
146	100		
111	46.7	22.4	67.3
148	64.2	31.6	94.8

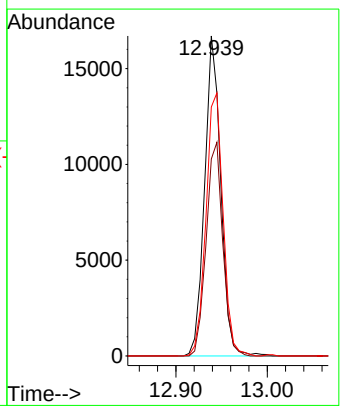


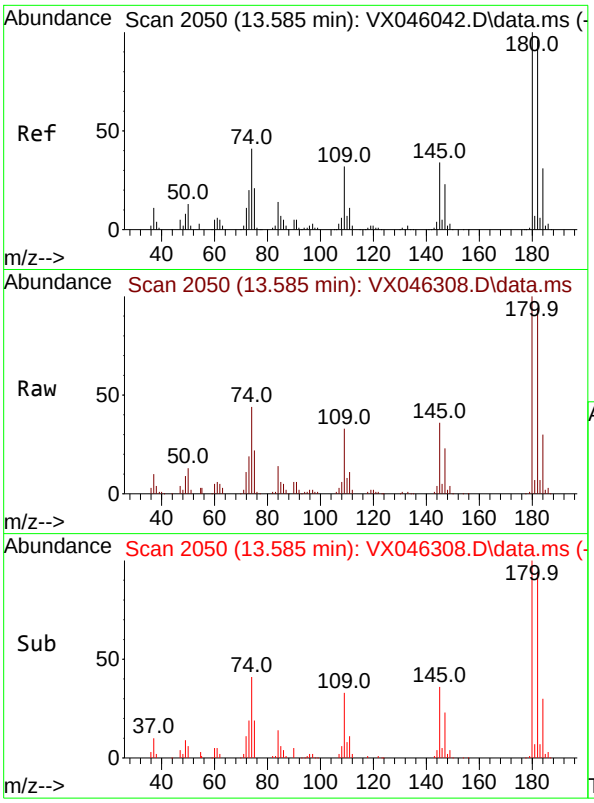


#92
1,2-Dibromo-3-Chloropropane
Concen: 56.870 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion: 75 Resp: 20476

Ion	Ratio	Lower	Upper
75	100		
155	68.7	34.9	104.8
157	86.8	43.8	131.4



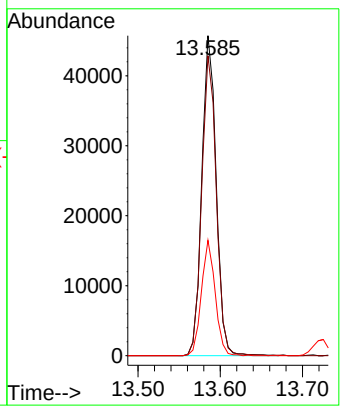


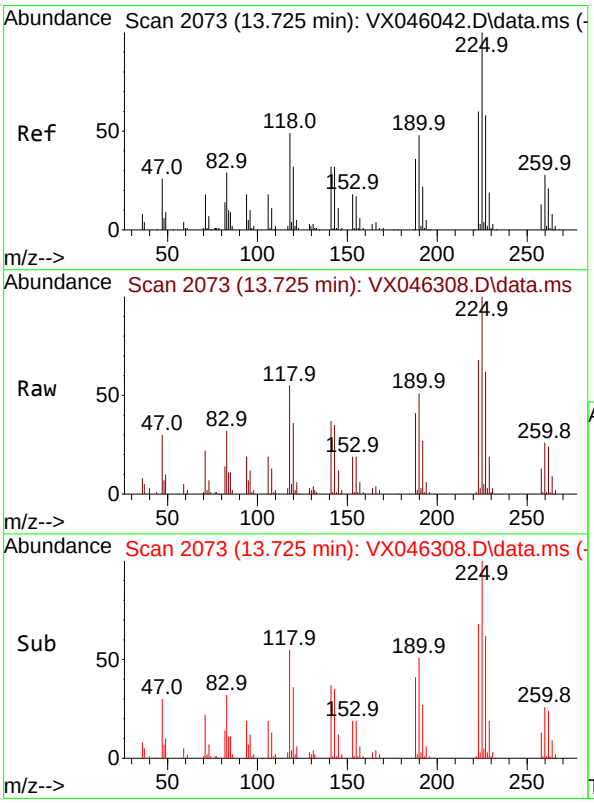
#93
1,2,4-Trichlorobenzene
Concen: 48.956 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:180 Resp: 55448

Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.8
145	34.6	17.1	51.2

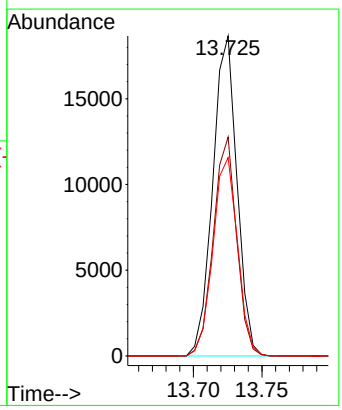


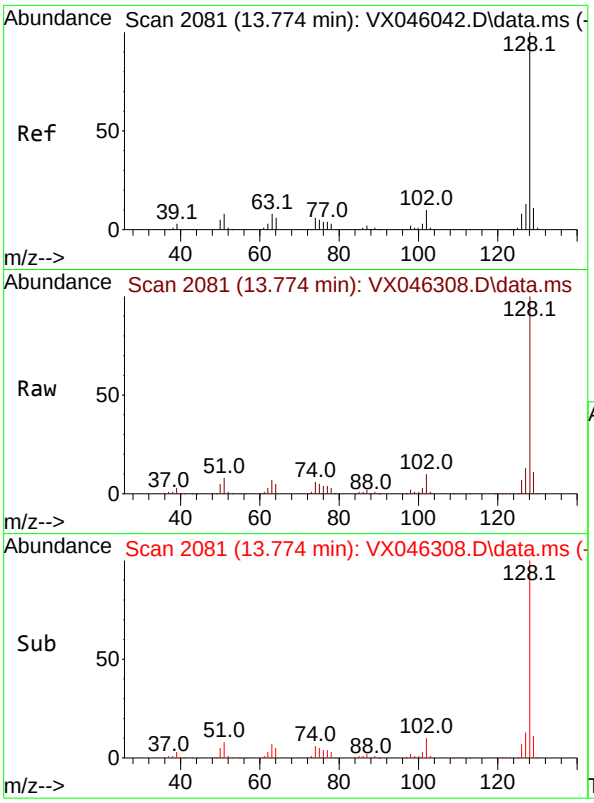


#94
Hexachlorobutadiene
Concen: 46.289 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:225 Resp: 22897

Ion	Ratio	Lower	Upper
225	100		
223	65.7	30.8	92.4
227	63.1	30.9	92.7



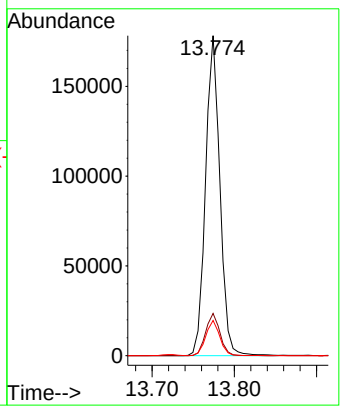


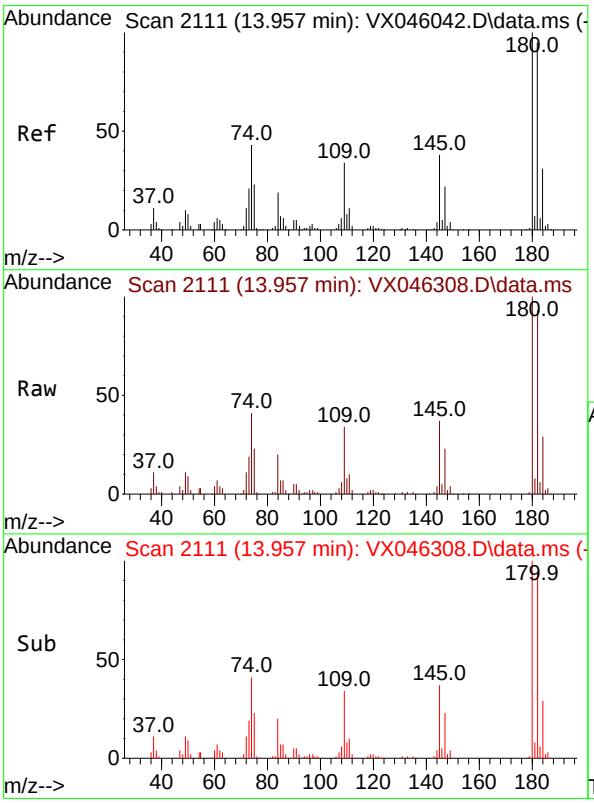
#95
Naphthalene
Concen: 51.914 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-400-402MSD

Tgt Ion:128 Resp: 215650

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

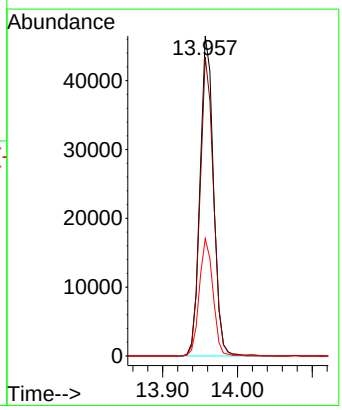




#96
1,2,3-Trichlorobenzene
Concen: 49.669 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX046308.D
Acq: 21 May 2025 19:21

Tgt Ion:180 Resp: 58046

Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.8	143.3
145	37.1	18.1	54.3



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046309.D
Acq On : 21 May 2025 19:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: May 22 01:56:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	80304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	142868	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60906	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77473	51.748	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.500%			
35) Dibromofluoromethane	5.379	113	53992	52.481	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.960%			
50) Toluene-d8	8.647	98	183231	51.458	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.920%			
62) 4-Bromofluorobenzene	11.079	95	74777	54.746	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	62887	51.165	ug/l	99
3) Chloromethane	1.301	50	61721	51.783	ug/l	99
4) Vinyl Chloride	1.374	62	55519	50.048	ug/l	98
5) Bromomethane	1.593	94	26187	50.896	ug/l	98
6) Chloroethane	1.666	64	32246	54.451	ug/l	94
7) Trichlorofluoromethane	1.874	101	87323	53.263	ug/l	99
8) Diethyl Ether	2.136	74	28768	51.546	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	51854	51.109	ug/l	98
10) Methyl Iodide	2.447	142	61967	51.617	ug/l	100
11) Tert butyl alcohol	2.977	59	57358	272.937	ug/l	99
12) 1,1-Dichloroethene	2.313	96	48892	51.346	ug/l	99
13) Acrolein	2.233	56	72757	304.004	ug/l	100
14) Allyl chloride	2.660	41	100048	54.976	ug/l	97
15) Acrylonitrile	3.062	53	164409	273.599	ug/l	98
16) Acetone	2.386	43	157398	262.209	ug/l	100
17) Carbon Disulfide	2.502	76	110776	49.071	ug/l	99
18) Methyl Acetate	2.703	43	86630	62.191	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	183878	55.080	ug/l	100
20) Methylene Chloride	2.782	84	56742	49.327	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	48903	51.069	ug/l	98
22) Diisopropyl ether	3.764	45	196237	55.824	ug/l	91
23) Vinyl Acetate	3.721	43	856870	277.142	ug/l	100
24) 1,1-Dichloroethane	3.605	63	107309	54.807	ug/l	98
25) 2-Butanone	4.556	43	242742	278.542	ug/l	100
26) 2,2-Dichloropropane	4.471	77	72690	47.433	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	62007	53.789	ug/l	99
28) Bromochloromethane	4.891	49	47884	50.808	ug/l	100
29) Tetrahydrofuran	5.001	42	152597	279.438	ug/l	99
30) Chloroform	5.086	83	112040	54.901	ug/l	96
31) Cyclohexane	5.464	56	95105	53.304	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	95926	54.225	ug/l	100
36) 1,1-Dichloropropene	5.684	75	71831	51.965	ug/l	99
37) Ethyl Acetate	4.715	43	91900	53.811	ug/l	99
38) Carbon Tetrachloride	5.672	117	81617	52.550	ug/l	98
39) Methylcyclohexane	7.373	83	90909	51.084	ug/l	96
40) Benzene	6.031	78	214309	52.931	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046309.D
Acq On : 21 May 2025 19:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: May 22 01:56:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	51551	57.703	ug/l		98
42) 1,2-Dichloroethane	6.080	62	93208	53.339	ug/l		100
43) Isopropyl Acetate	6.342	43	146696	56.305	ug/l		99
44) Trichloroethene	7.123	130	51584	52.934	ug/l		96
45) 1,2-Dichloropropane	7.428	63	55898	55.522	ug/l		98
46) Dibromomethane	7.580	93	41844	52.697	ug/l		100
47) Bromodichloromethane	7.818	83	86915	55.574	ug/l		100
48) Methyl methacrylate	7.690	41	76728	57.664	ug/l		98
49) 1,4-Dioxane	7.659	88	26511	1049.342	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	491581	284.246	ug/l		99
52) Toluene	8.714	92	131628	53.018	ug/l		96
53) t-1,3-Dichloropropene	8.976	75	77152	55.500	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	84964	55.300	ug/l		94
55) 1,1,2-Trichloroethane	9.147	97	53717	54.873	ug/l		98
56) Ethyl methacrylate	9.116	69	93196	59.733	ug/l		98
57) 1,3-Dichloropropane	9.305	76	94746	53.891	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	209966	263.968	ug/l		100
59) 2-Hexanone	9.427	43	364412	284.811	ug/l		100
60) Dibromochloromethane	9.519	129	61323	57.039	ug/l		98
61) 1,2-Dibromoethane	9.604	107	55381	54.430	ug/l		97
64) Tetrachloroethene	9.269	164	46379	51.541	ug/l		96
65) Chlorobenzene	10.073	112	144470	51.899	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	50742	53.383	ug/l		99
67) Ethyl Benzene	10.189	91	266848	54.383	ug/l		99
68) m/p-Xylenes	10.299	106	195095	108.710	ug/l		99
69) o-Xylene	10.640	106	95728	54.714	ug/l		96
70) Styrene	10.653	104	163839	57.165	ug/l		99
71) Bromoform	10.799	173	39132	54.834	ug/l	#	99
73) Isopropylbenzene	10.957	105	259562	54.740	ug/l		99
74) N-amyl acetate	10.842	43	128177	54.704	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	84522	50.866	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	94949	64.766	ug/l		86
77) Bromobenzene	11.195	156	57485	52.219	ug/l		98
78) n-propylbenzene	11.299	91	302304	54.831	ug/l		100
79) 2-Chlorotoluene	11.360	91	189286	53.228	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	218239	55.092	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	22564	50.109	ug/l		98
82) 4-Chlorotoluene	11.451	91	216234	54.831	ug/l		99
83) tert-Butylbenzene	11.713	119	215479	54.002	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	220248	54.903	ug/l		99
85) sec-Butylbenzene	11.890	105	269271	54.961	ug/l		100
86) p-Isopropyltoluene	12.006	119	220520	54.530	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	106200	52.860	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	107019	52.158	ug/l		99
89) n-Butylbenzene	12.329	91	194699	54.886	ug/l		100
90) Hexachloroethane	12.536	117	38406	53.906	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	106918	53.032	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19697	53.508	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	60736	52.451	ug/l		99
94) Hexachlorobutadiene	13.725	225	25728	50.873	ug/l		97
95) Naphthalene	13.774	128	227452	53.556	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	62257	52.106	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046309.D
Acq On : 21 May 2025 19:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: May 22 01:56:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

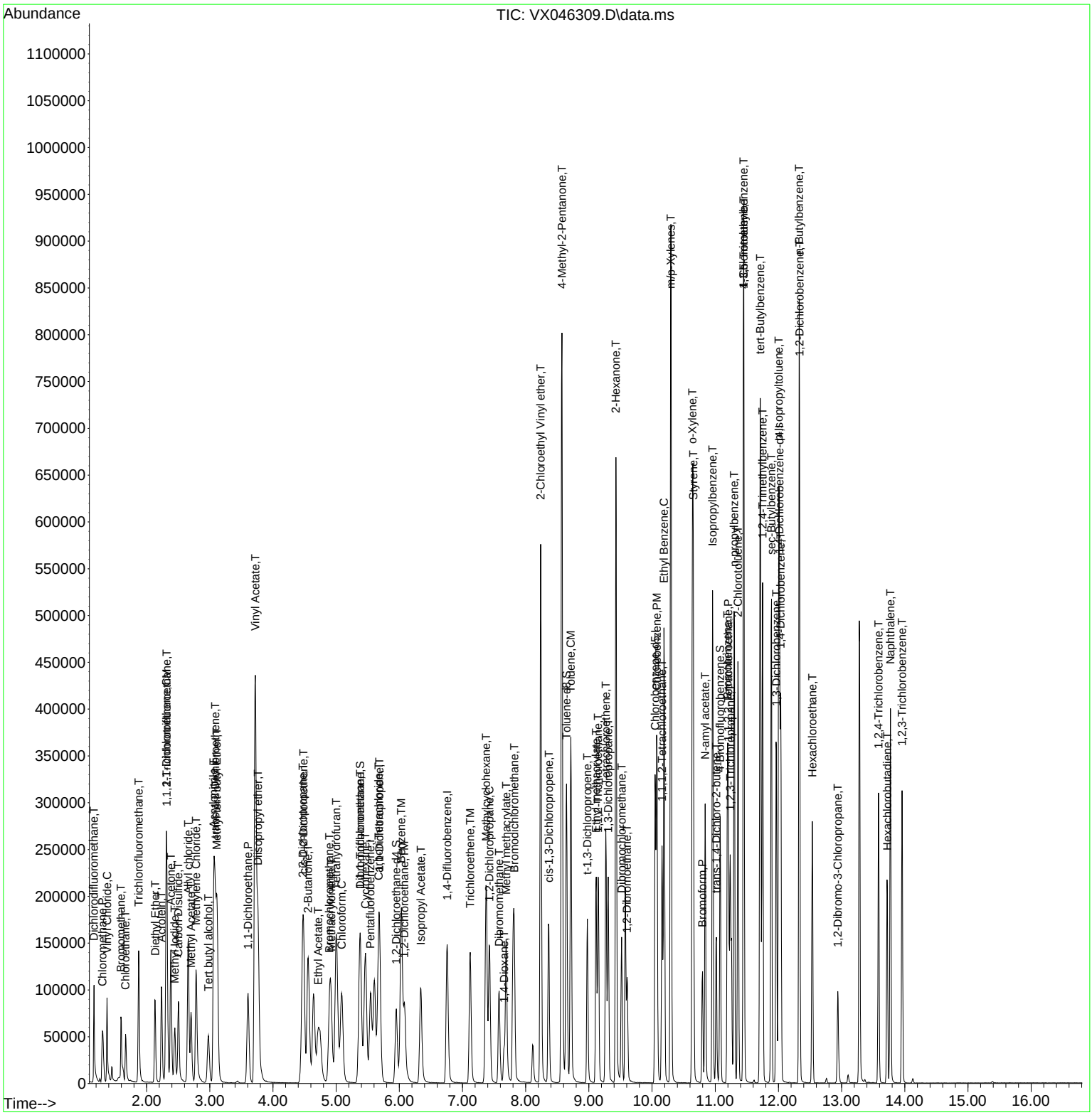
(#) = qualifier out of range (m) = manual integration (+) = signals summed

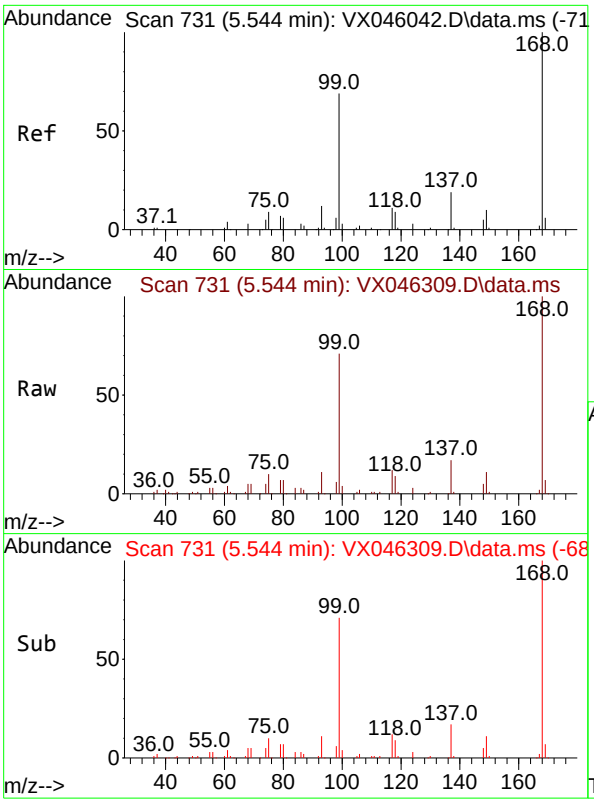
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
Data File : VX046309.D
Acq On : 21 May 2025 19:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: May 22 01:56:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



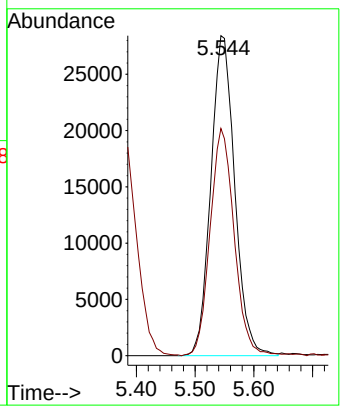


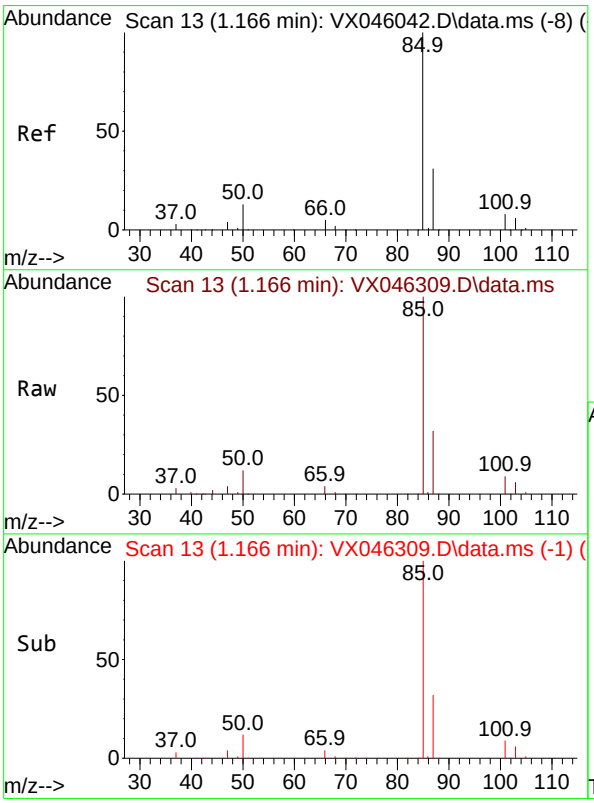
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 80304

Ion	Ratio	Lower	Upper
168	100		
99	70.8	54.9	82.3

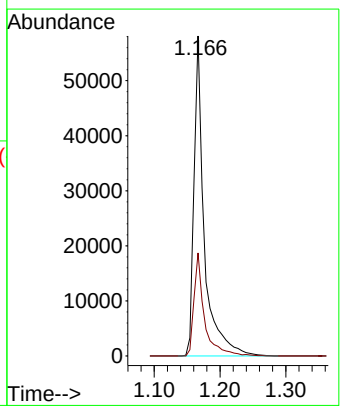


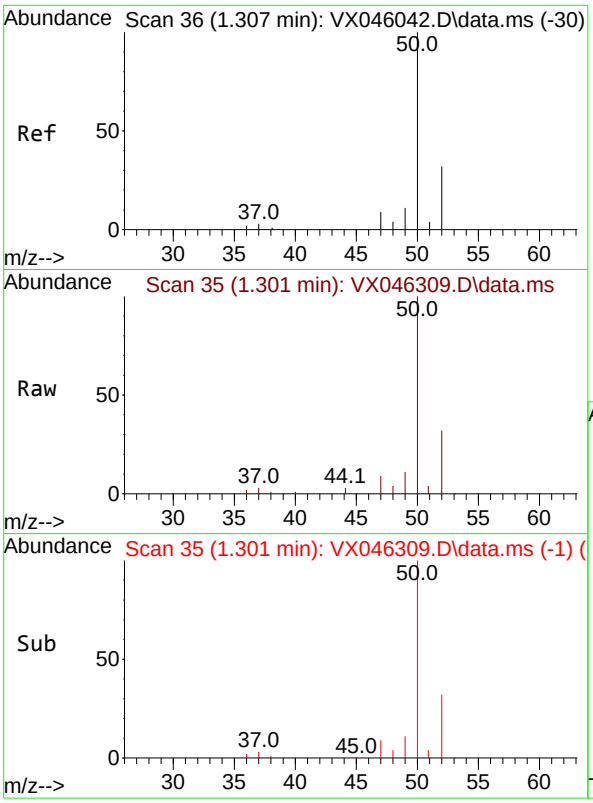


#2
Dichlorodifluoromethane
Concen: 51.165 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 85 Resp: 62887

Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.7	47.1



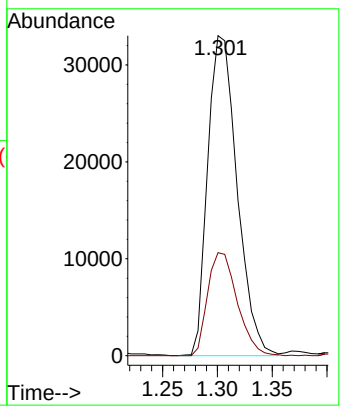


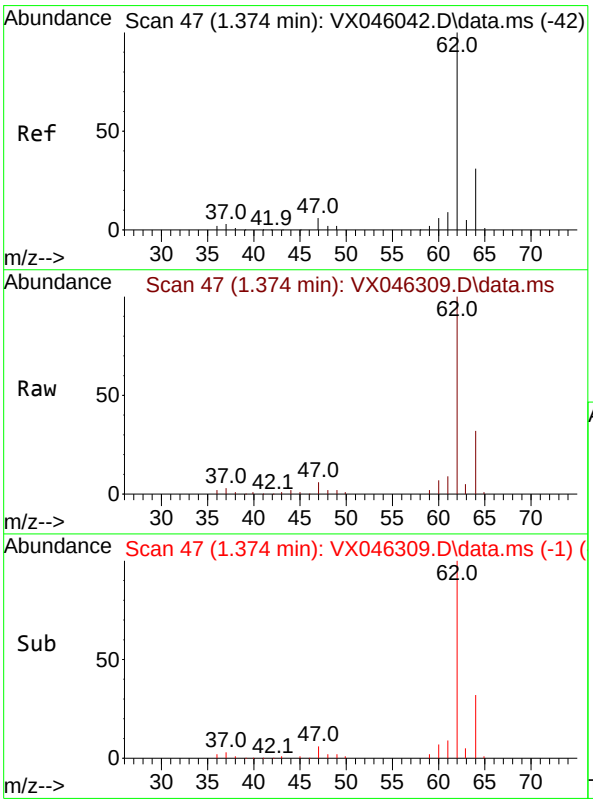
#3
Chloromethane
Concen: 51.783 ug/l
RT: 1.301 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 61721

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.4	38.2

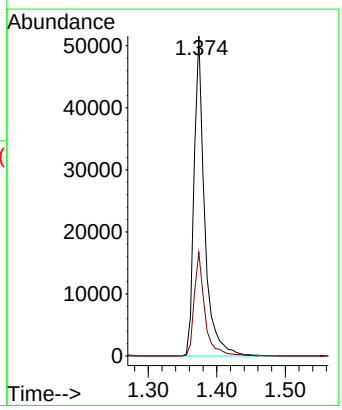


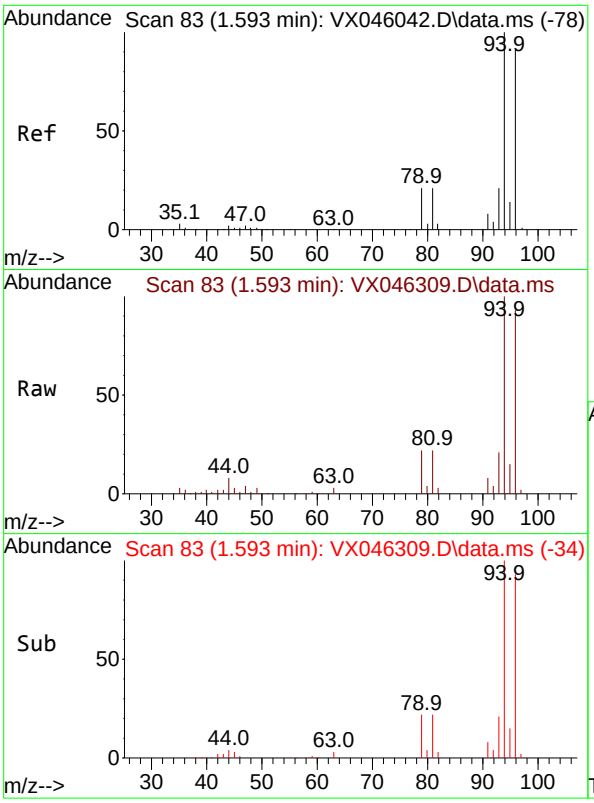


#4
Vinyl Chloride
Concen: 50.048 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 62 Resp: 55519

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.2	37.8



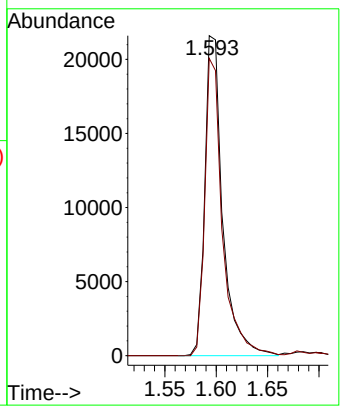


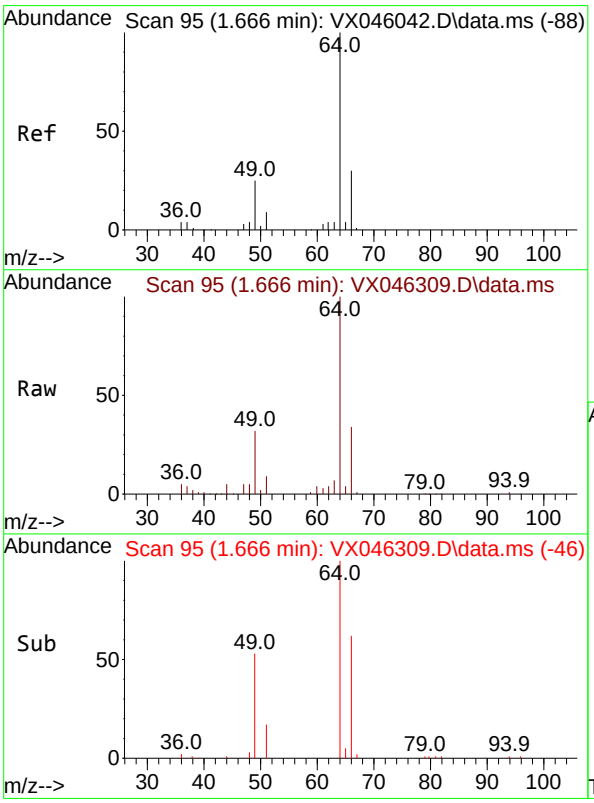
#5
Bromomethane
Concen: 50.896 ug/l
RT: 1.593 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 26187

Ion	Ratio	Lower	Upper
94	100		
96	92.9	72.8	109.2

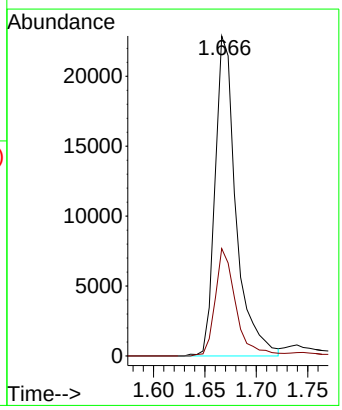


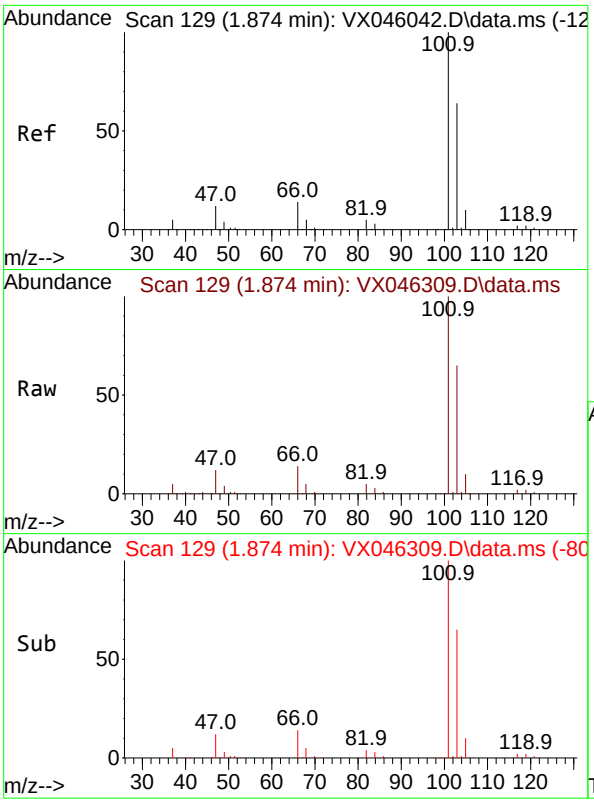


#6
Chloroethane
Concen: 54.451 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 64 Resp: 32246

Ion	Ratio	Lower	Upper
64	100		
66	33.5	24.3	36.5



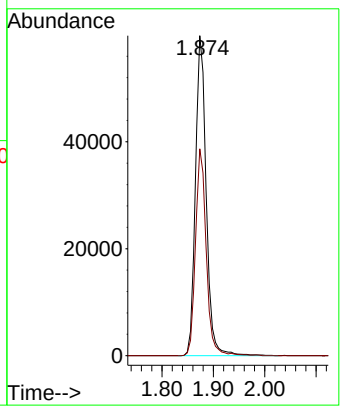


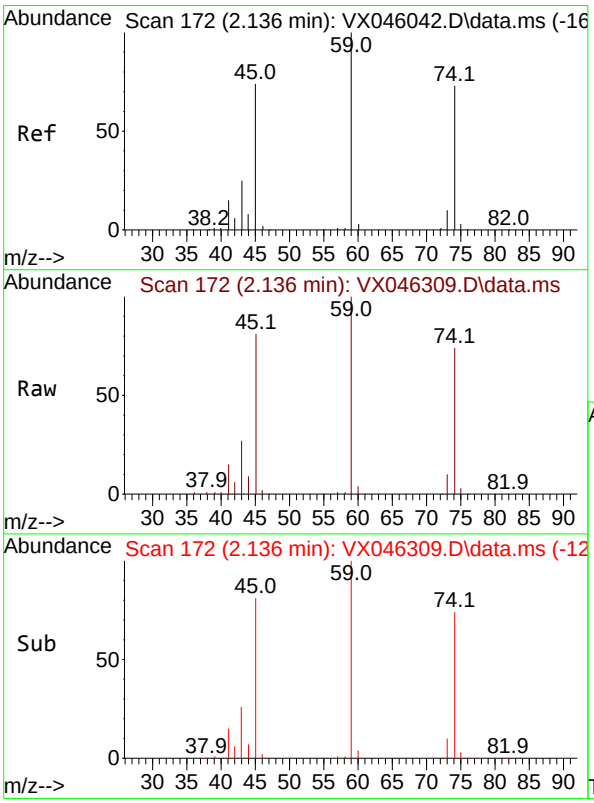
#7
Trichlorofluoromethane
Concen: 53.263 ug/l
RT: 1.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 87323

Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.0	76.4

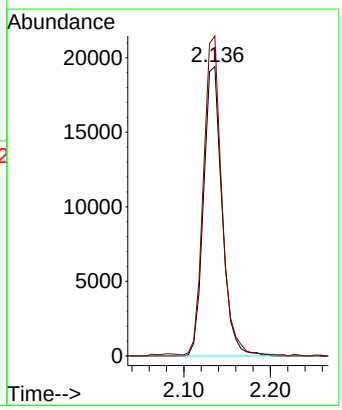


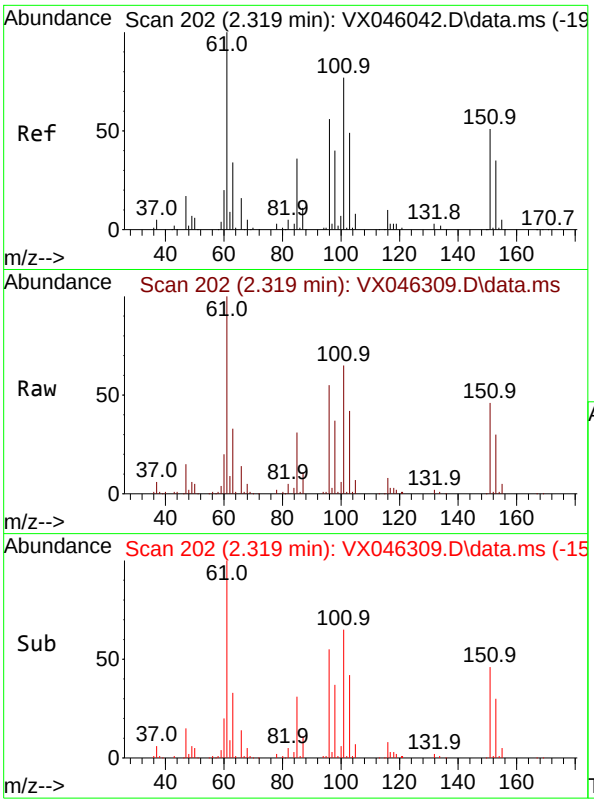


#8
Diethyl Ether
Concen: 51.546 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 74 Resp: 28768

Ion	Ratio	Lower	Upper
74	100		
45	110.4	54.9	164.8



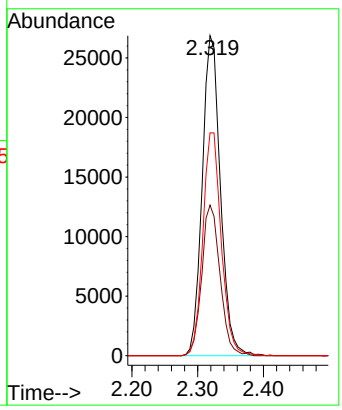


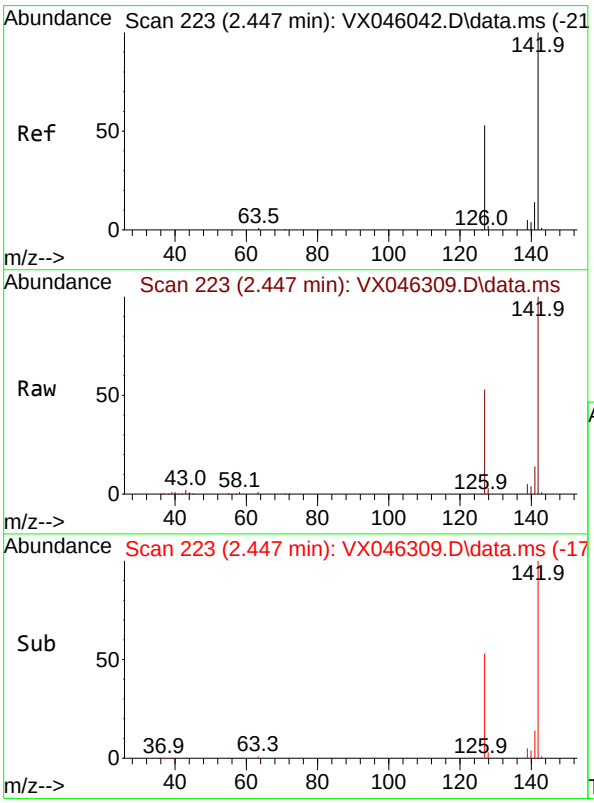
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.109 ug/l
RT: 2.319 min Scan# 2(
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 51854

Ion	Ratio	Lower	Upper
101	100		
85	47.1	38.6	58.0
151	70.3	55.2	82.8

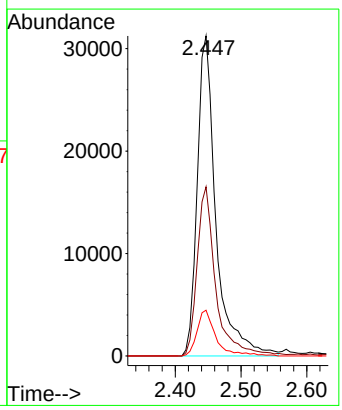


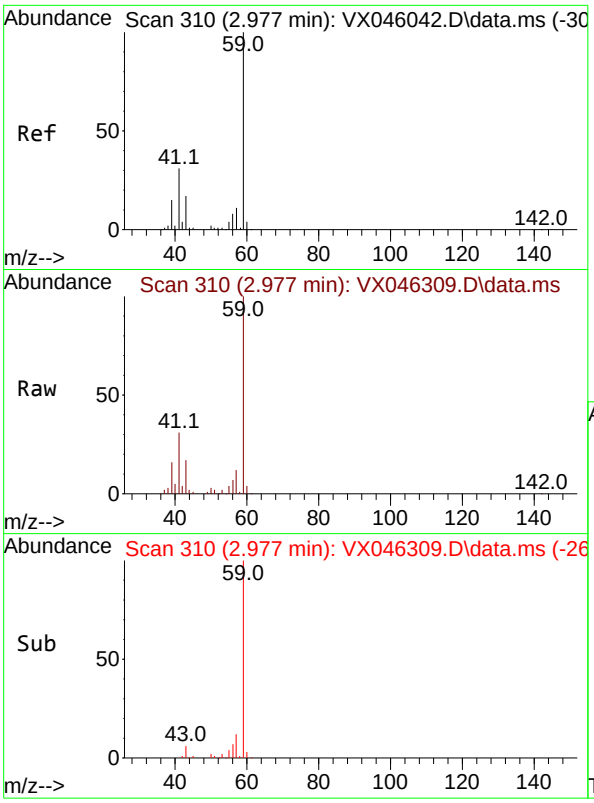


#10
Methyl Iodide
Concen: 51.617 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:142 Resp: 61967

Ion	Ratio	Lower	Upper
142	100		
127	52.4	41.7	62.5
141	14.5	11.5	17.3



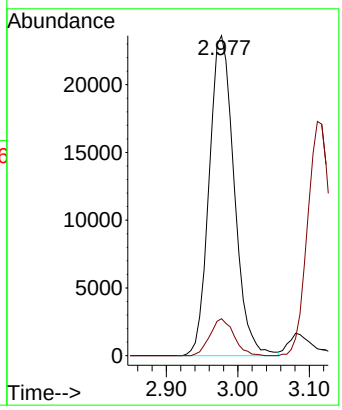


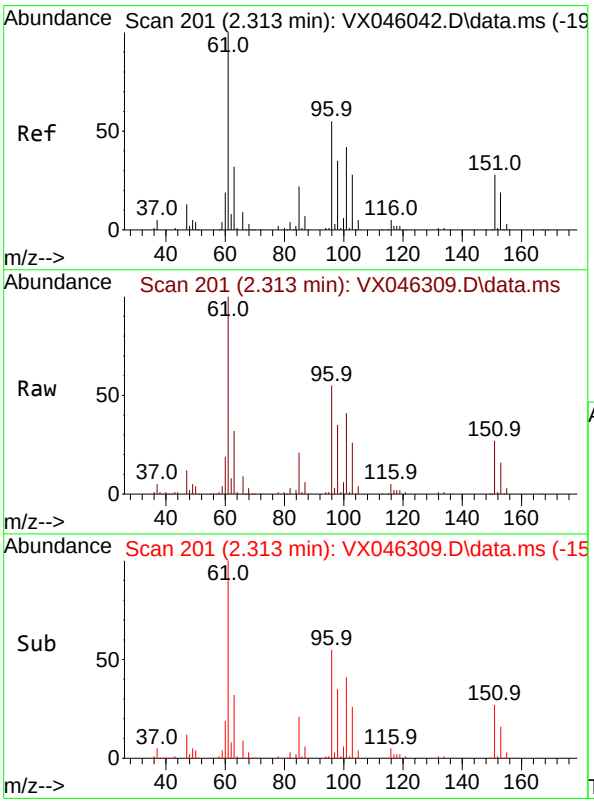
#11
Tert butyl alcohol
Concen: 272.937 ug/l
RT: 2.977 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 57358

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	12.8

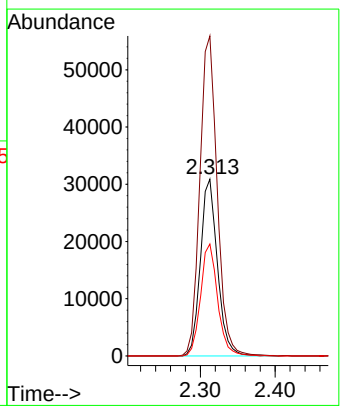


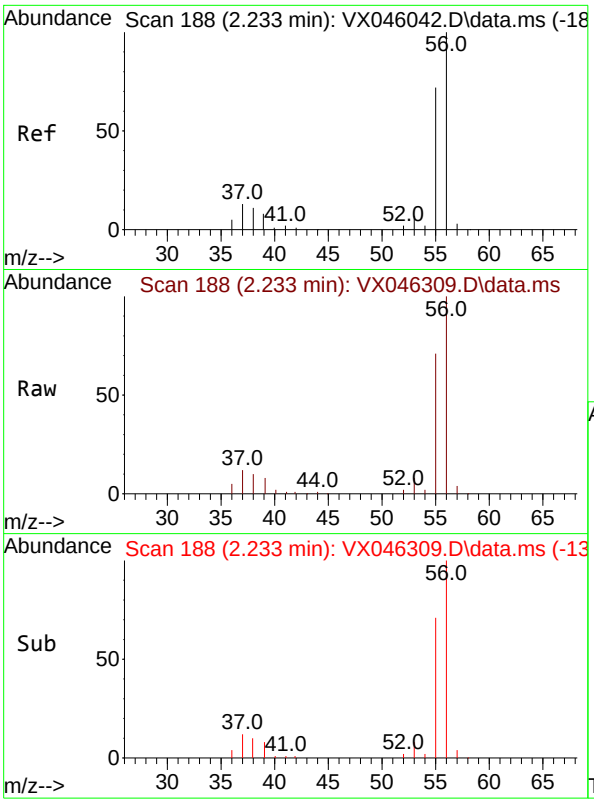


#12
1,1-Dichloroethene
Concen: 51.346 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 96 Resp: 48892

Ion	Ratio	Lower	Upper
96	100		
61	181.1	146.2	219.2
98	63.4	51.0	76.6



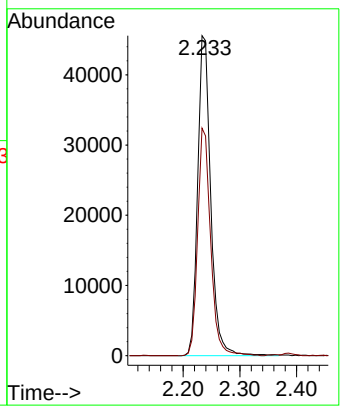


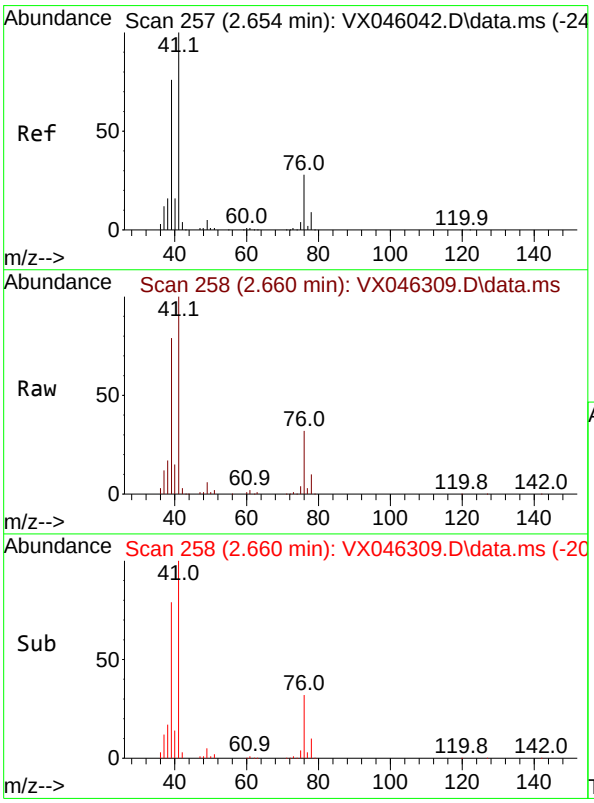
#13
Acrolein
Concen: 304.004 ug/l
RT: 2.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 72757

Ion	Ratio	Lower	Upper
56	100		
55	70.6	56.2	84.4

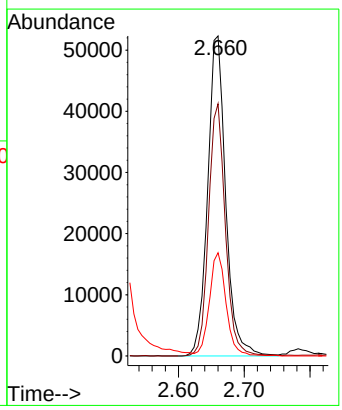


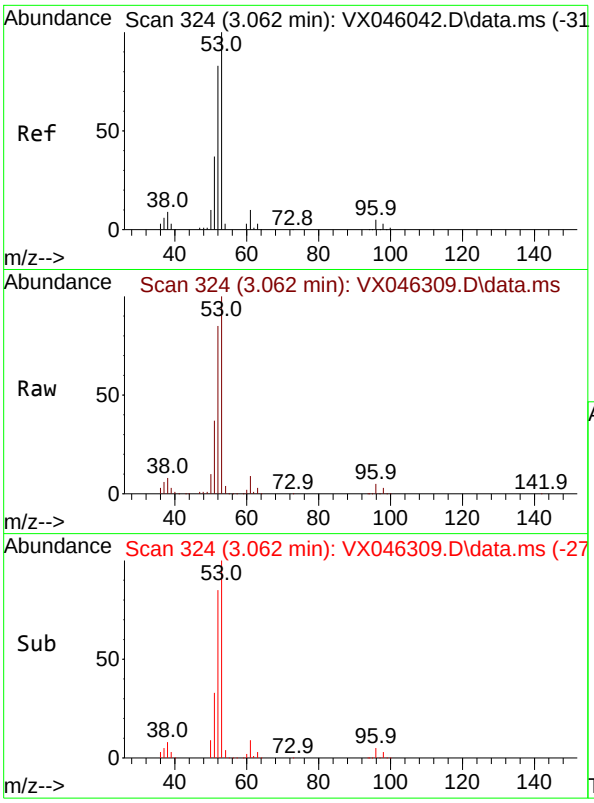


#14
Allyl chloride
Concen: 54.976 ug/l
RT: 2.660 min Scan# 258
Delta R.T. 0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 41 Resp: 100048

Ion	Ratio	Lower	Upper
41	100		
39	73.4	60.6	90.8
76	29.9	24.9	37.3



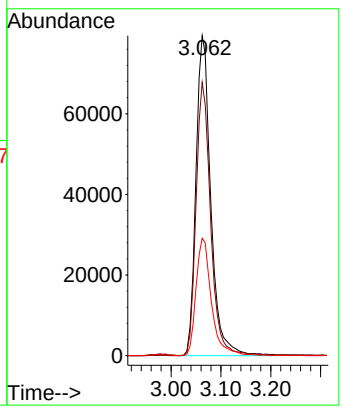


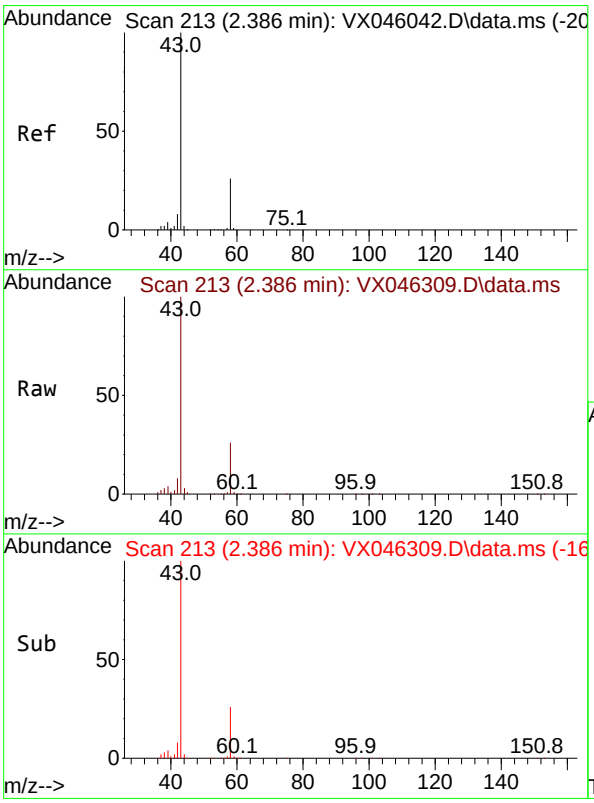
#15
Acrylonitrile
Concen: 273.599 ug/l
RT: 3.062 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 164409

Ion	Ratio	Lower	Upper
53	100		
52	83.8	65.3	97.9
51	37.8	29.8	44.8

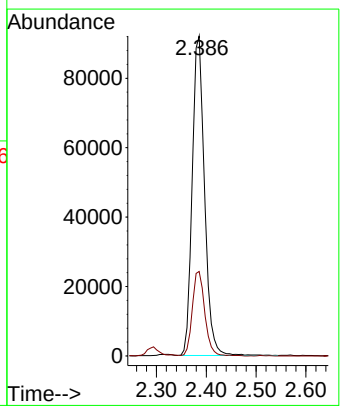


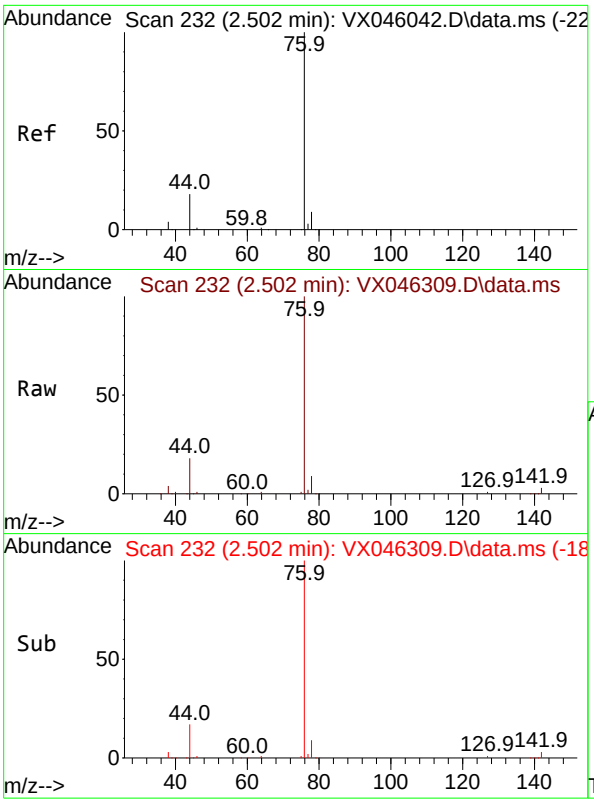


#16
Acetone
Concen: 262.209 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 43 Resp: 157398

Ion	Ratio	Lower	Upper
43	100		
58	26.4	21.2	31.8



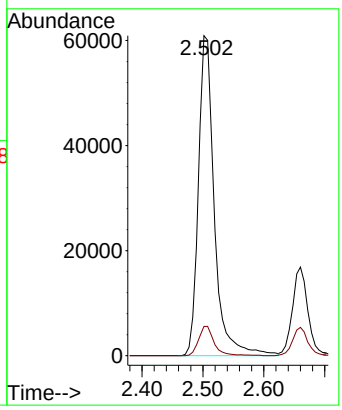


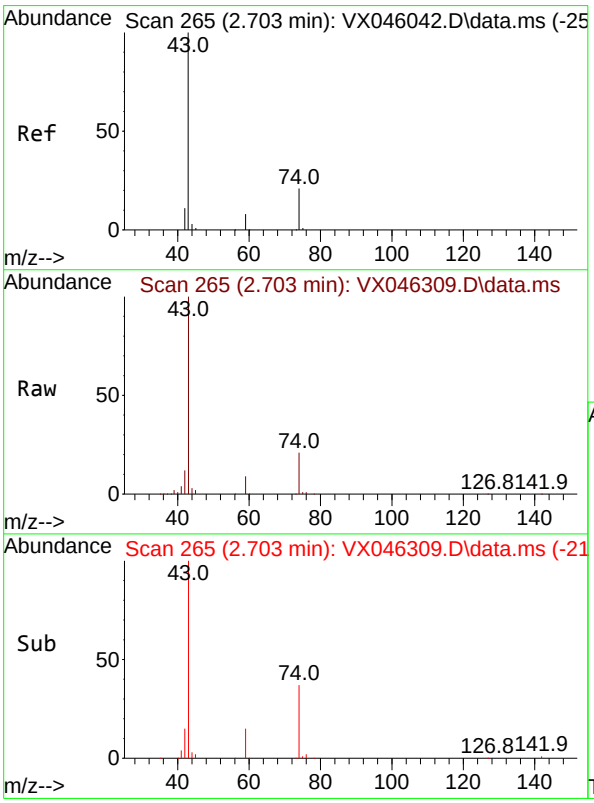
#17
Carbon Disulfide
Concen: 49.071 ug/l
RT: 2.502 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 110776

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

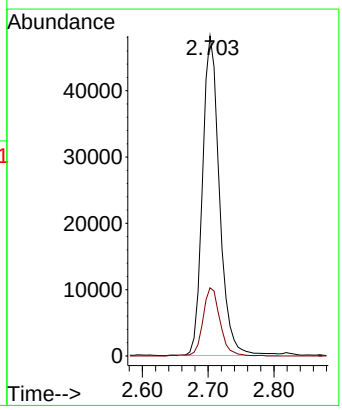


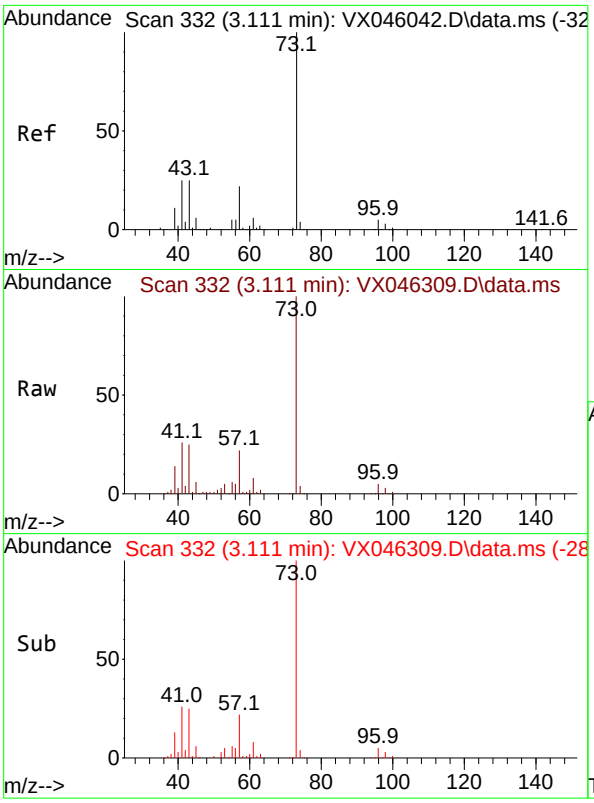


#18
Methyl Acetate
Concen: 62.191 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 43 Resp: 86630

Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.7	25.1



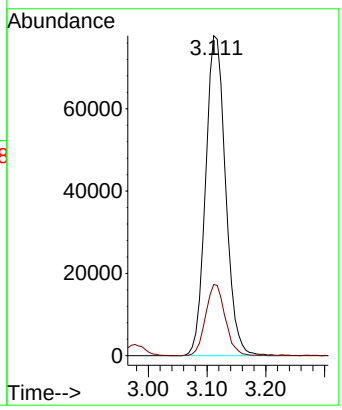


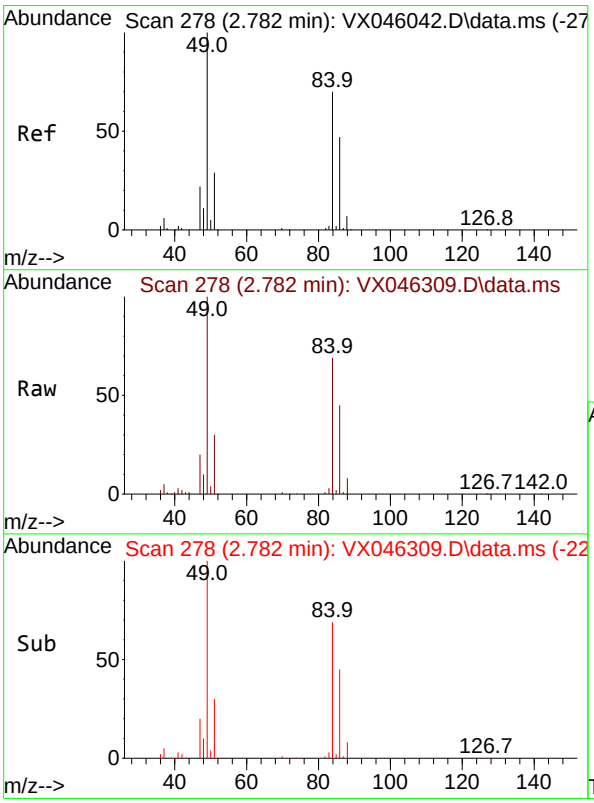
#19
Methyl tert-butyl Ether
Concen: 55.080 ug/l
RT: 3.111 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 183878

Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.7	26.5

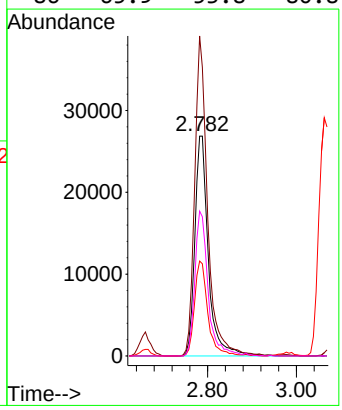


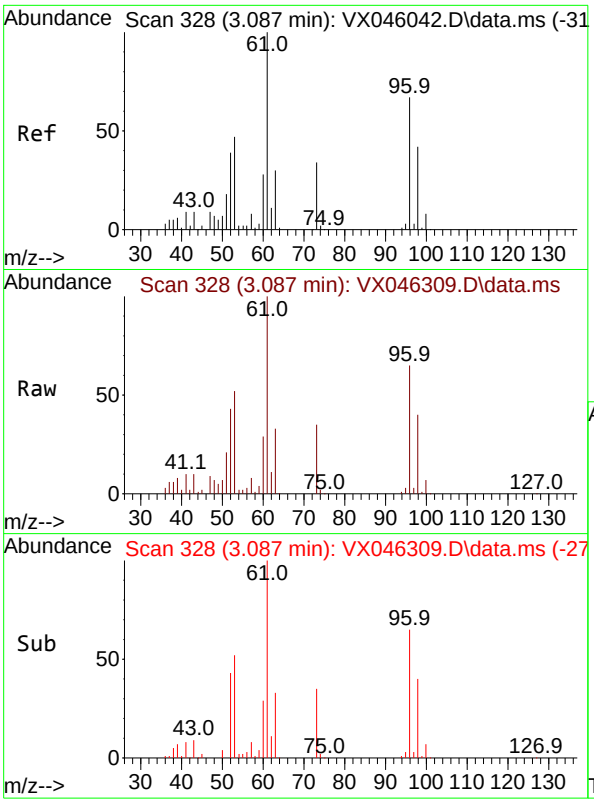


#20
Methylene Chloride
Concen: 49.327 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 84 Resp: 56742

Ion	Ratio	Lower	Upper
84	100		
49	145.5	113.9	170.9
51	43.1	33.5	50.3
86	65.9	53.8	80.8



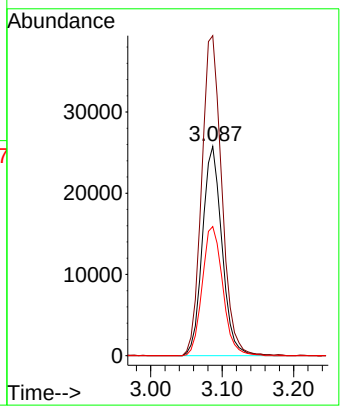


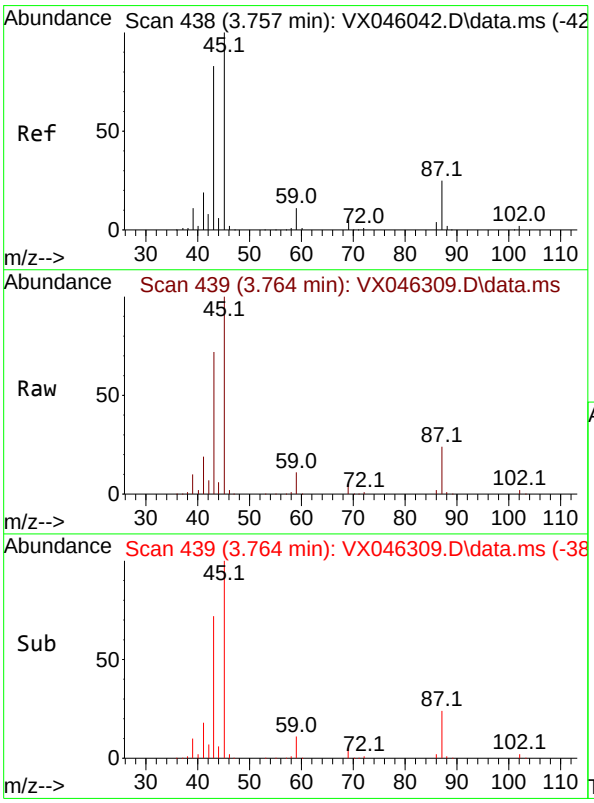
#21
trans-1,2-Dichloroethene
Concen: 51.069 ug/l
RT: 3.087 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 48903

Ion	Ratio	Lower	Upper
96	100		
61	152.9	119.5	179.3
98	61.7	50.0	75.0

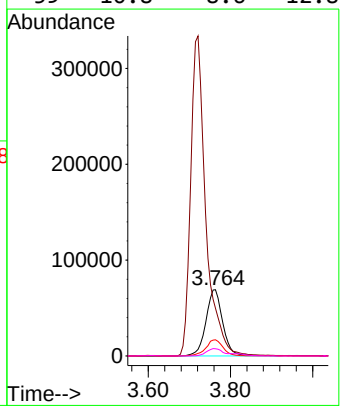


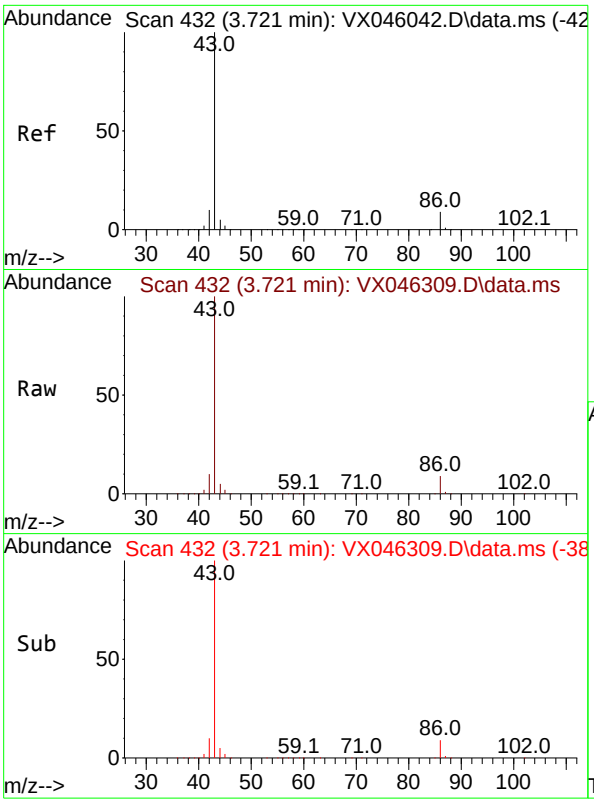


#22
Diisopropyl ether
Concen: 55.824 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 45 Resp: 196237

Ion	Ratio	Lower	Upper
45	100		
43	71.8	66.6	100.0
87	24.5	19.8	29.6
59	10.8	8.6	12.8



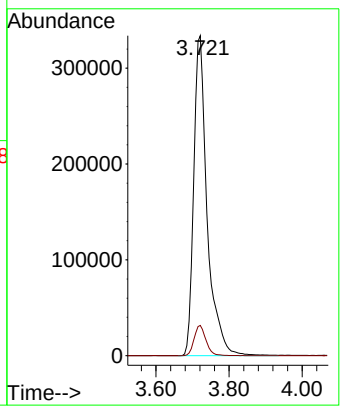


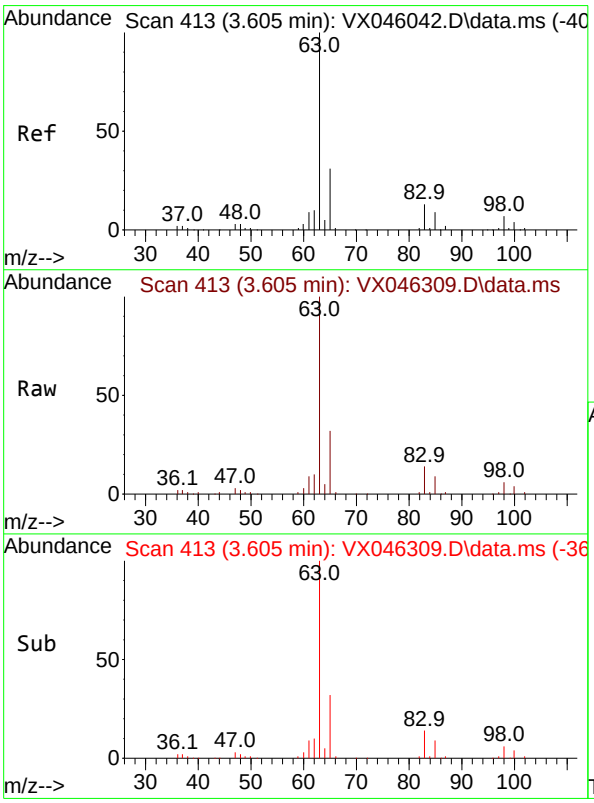
#23
Vinyl Acetate
Concen: 277.142 ug/l
RT: 3.721 min Scan# 4
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 856870

Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.5	11.3

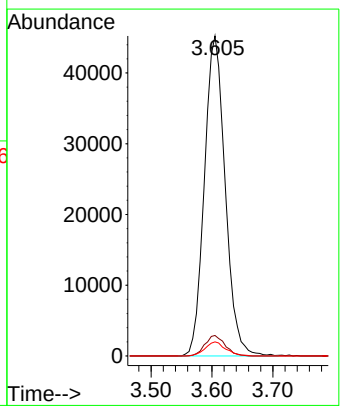


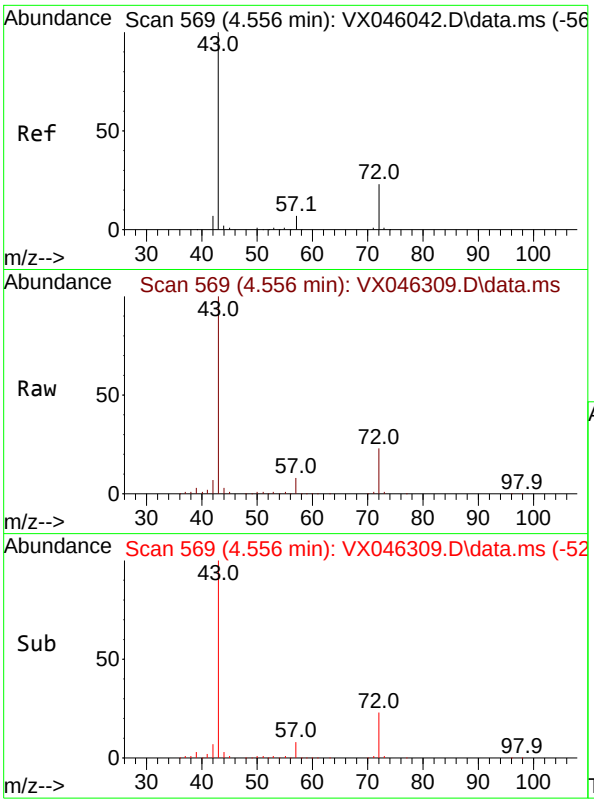


#24
1,1-Dichloroethane
Concen: 54.807 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 63 Resp: 107309

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.6	10.8
100	4.4	2.1	6.3



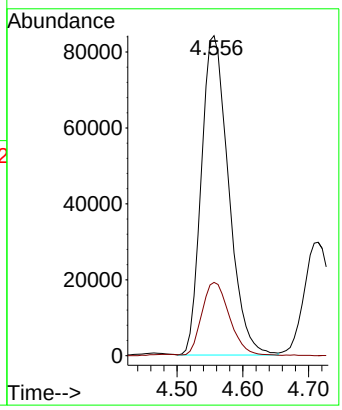


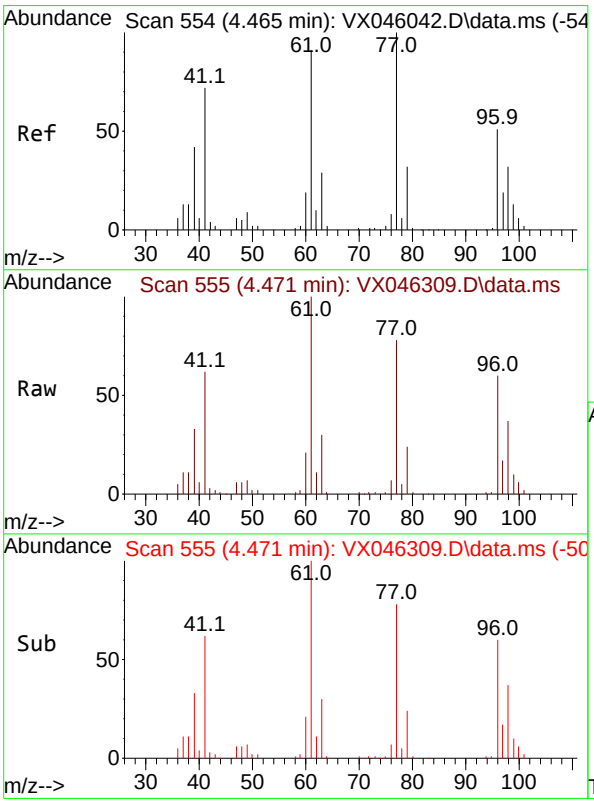
#25
2-Butanone
Concen: 278.542 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 242742

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.4	27.6

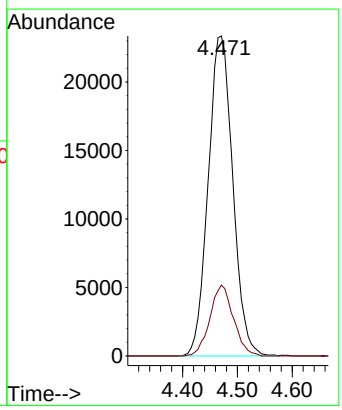


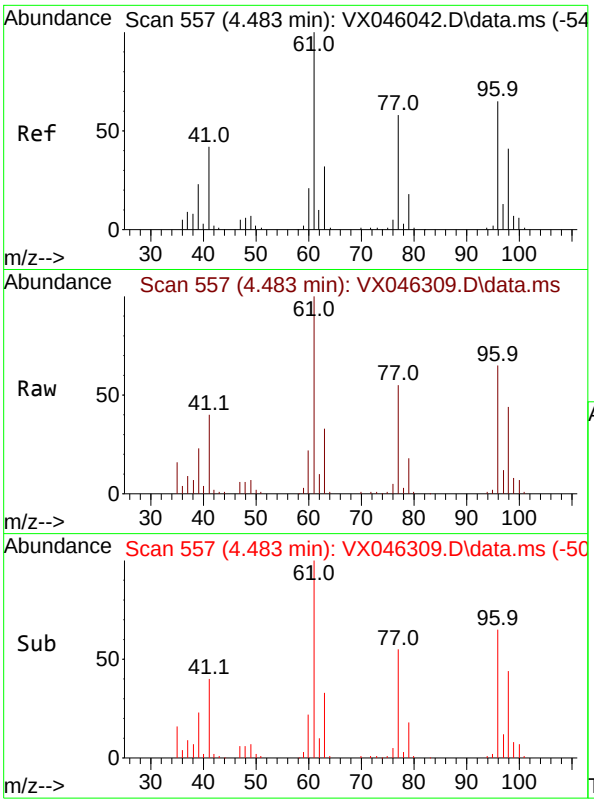


#26
2,2-Dichloropropane
Concen: 47.433 ug/l
RT: 4.471 min Scan# 555
Delta R.T. 0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 77 Resp: 72690

Ion	Ratio	Lower	Upper
77	100		
97	21.2	10.5	31.5



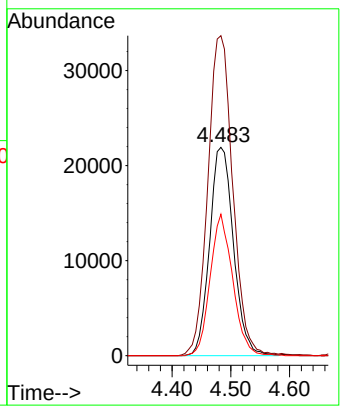


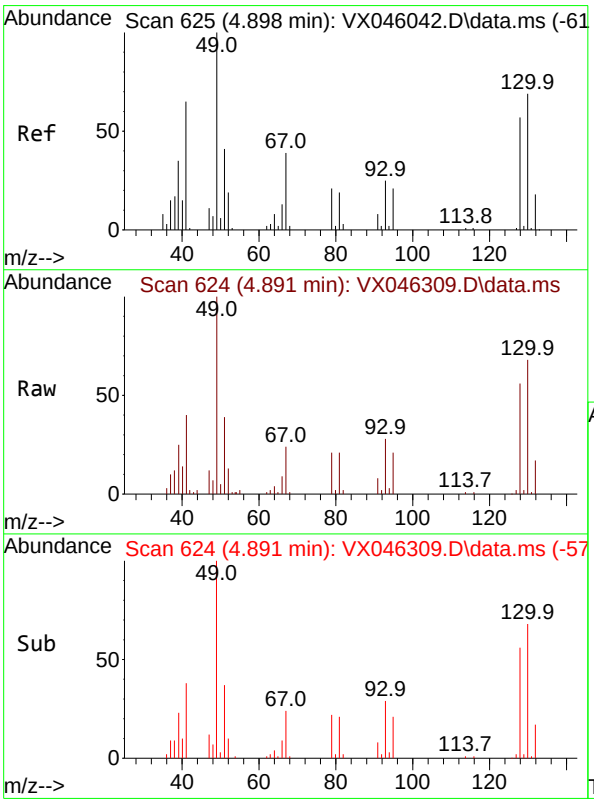
#27
cis-1,2-Dichloroethene
Concen: 53.789 ug/l
RT: 4.483 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 62007

Ion	Ratio	Lower	Upper
96	100		
61	160.2	0.0	322.8
98	64.0	0.0	129.0

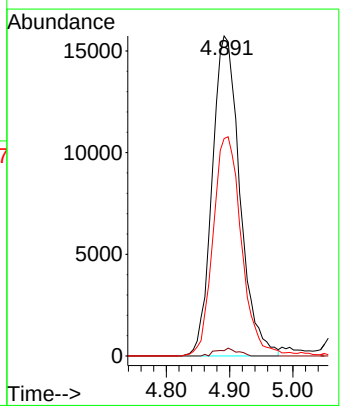


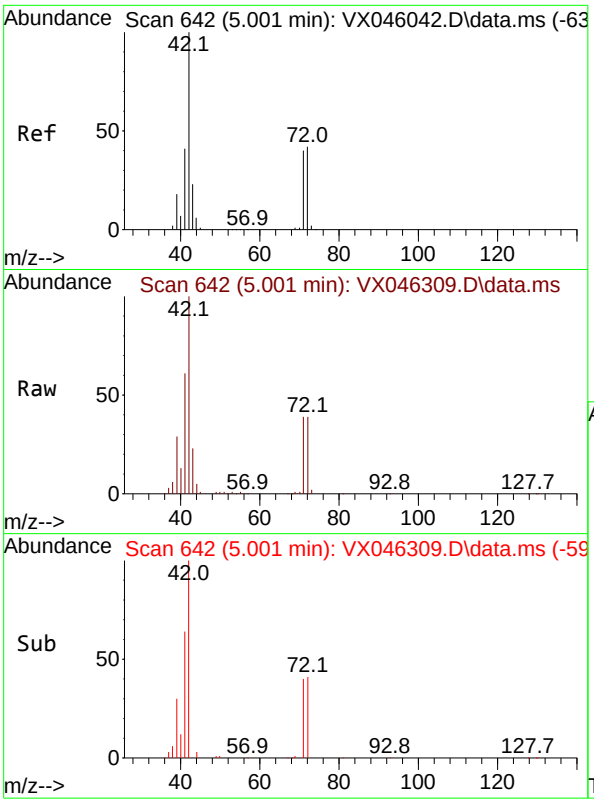


#28
Bromochloromethane
Concen: 50.808 ug/l
RT: 4.891 min Scan# 624
Delta R.T. -0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 49 Resp: 47884

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	70.4	56.2	84.2



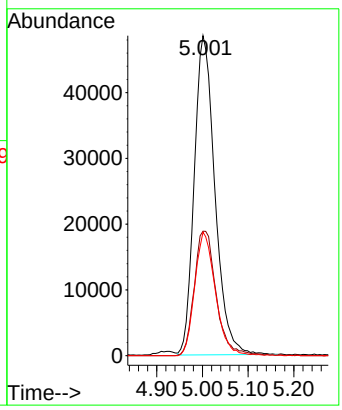


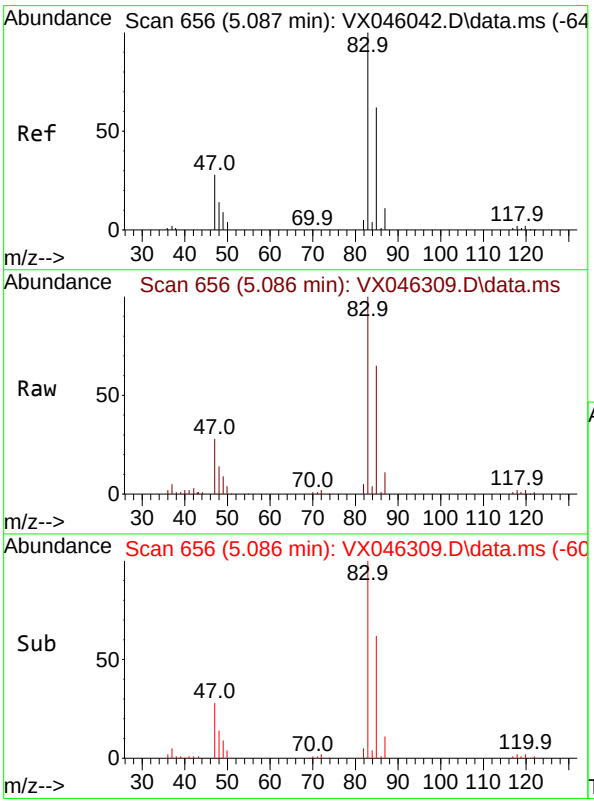
#29
Tetrahydrofuran
Concen: 279.438 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 152597

Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.7	50.5
71	38.7	31.4	47.2

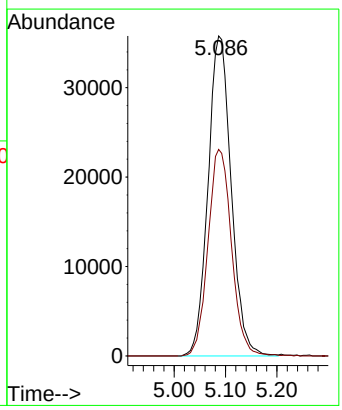


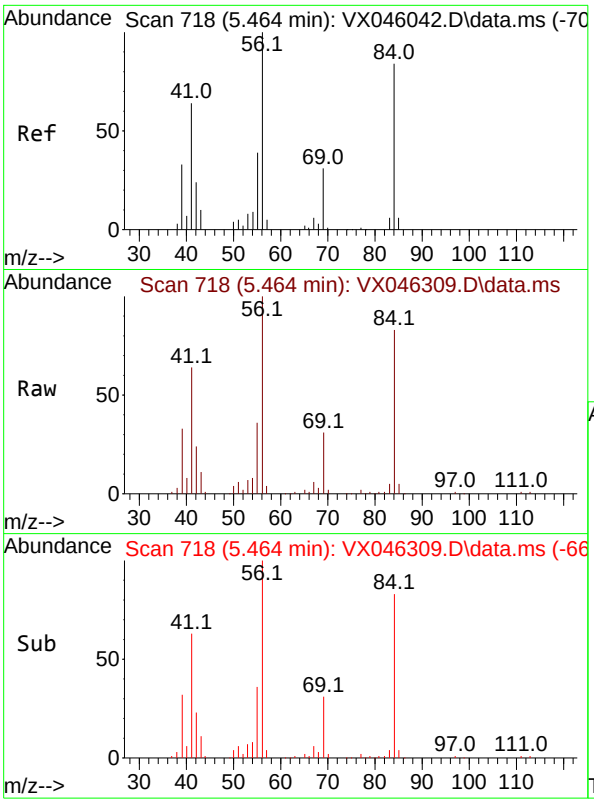


#30
Chloroform
Concen: 54.901 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 83 Resp: 112040

Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.3	73.9



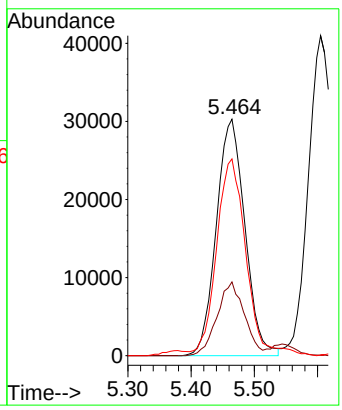


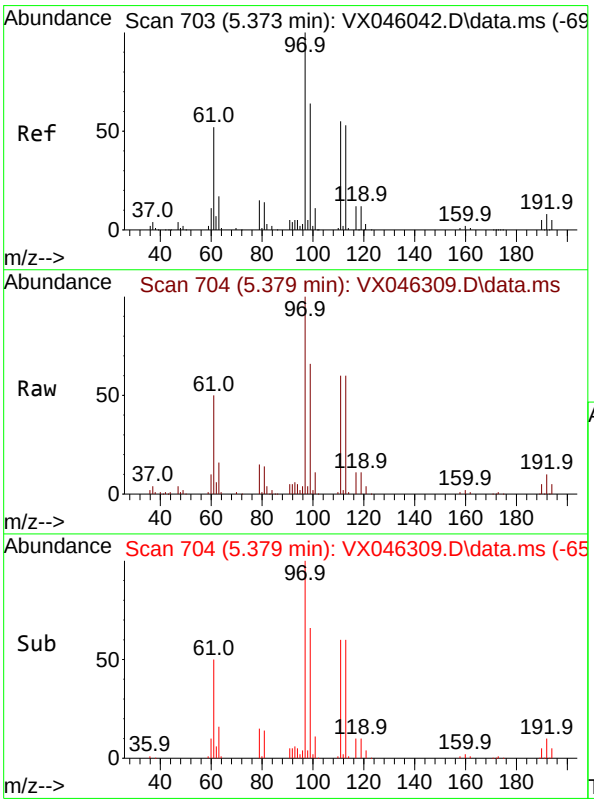
#31
Cyclohexane
Concen: 53.304 ug/l
RT: 5.464 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 95105

Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.4	36.6
84	81.0	66.9	100.3

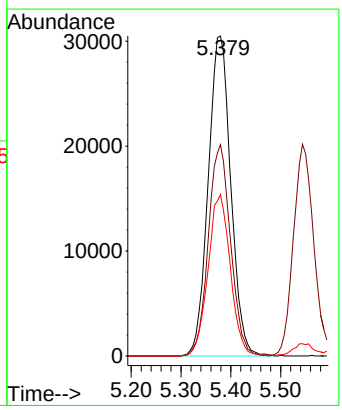


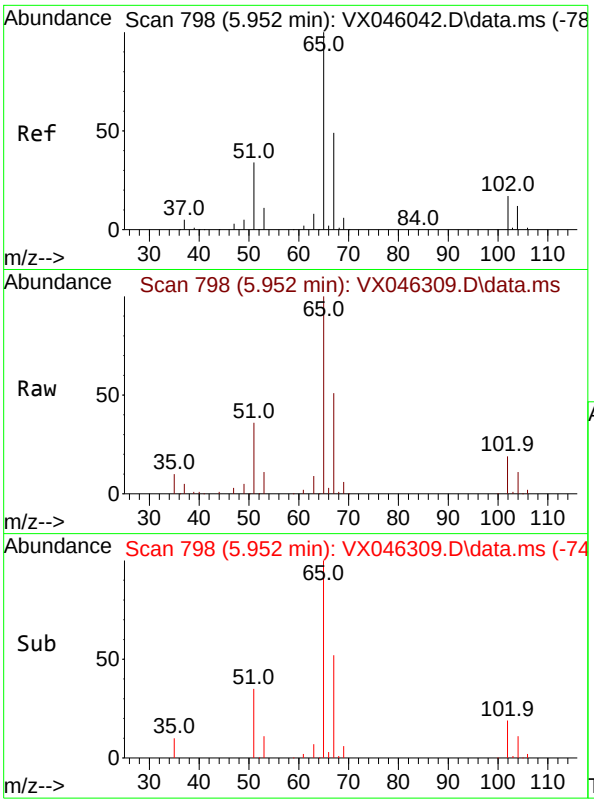


#32
1,1,1-Trichloroethane
Concen: 54.225 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 97 Resp: 95926

Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.6
61	49.9	40.1	60.1



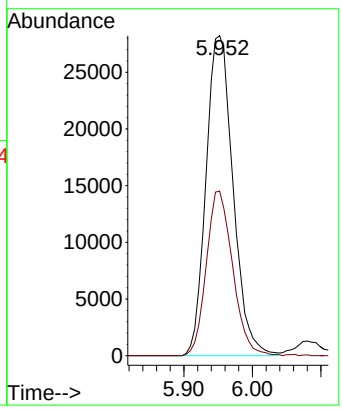


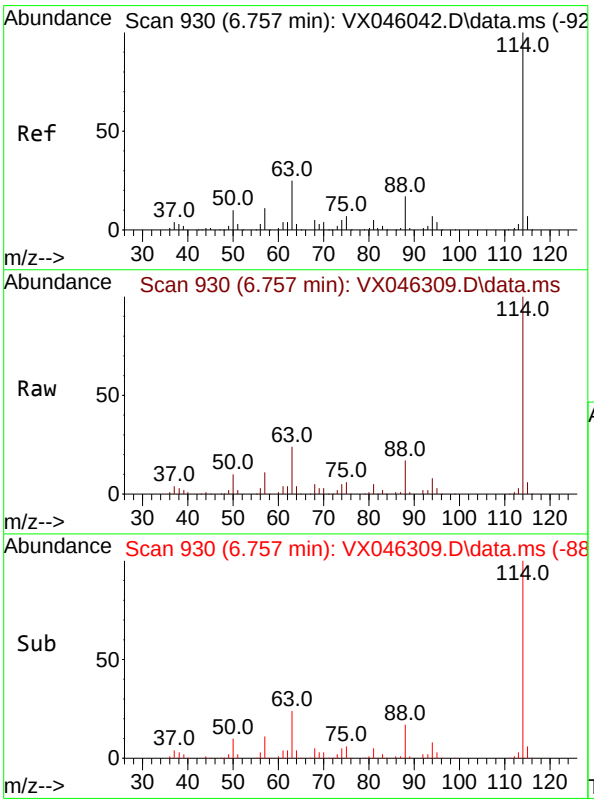
#33
1,2-Dichloroethane-d4
Concen: 51.748 ug/l
RT: 5.952 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 77473

Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	99.0

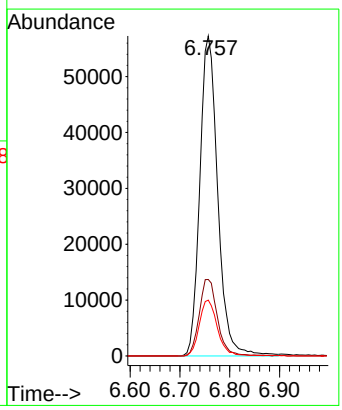


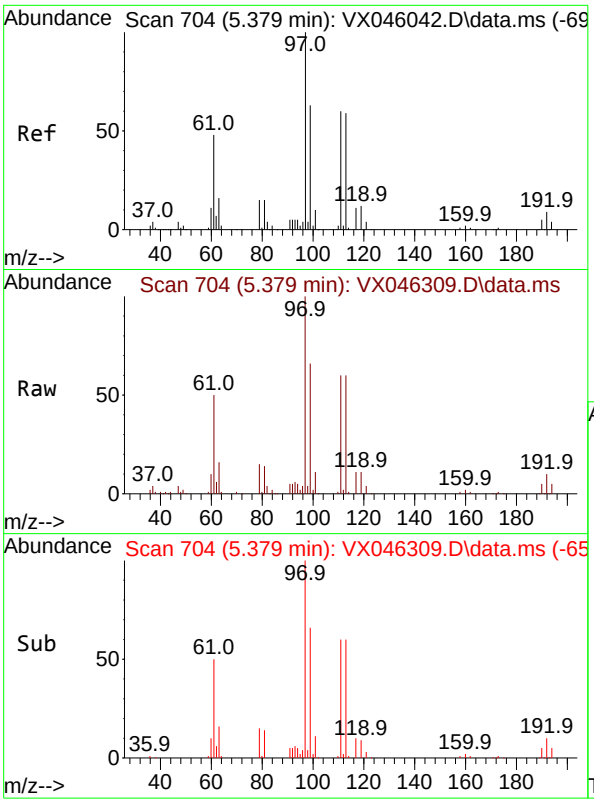


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:114 Resp: 142868

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	49.2
88	17.4	0.0	33.6



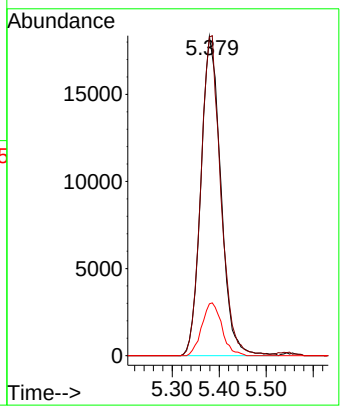


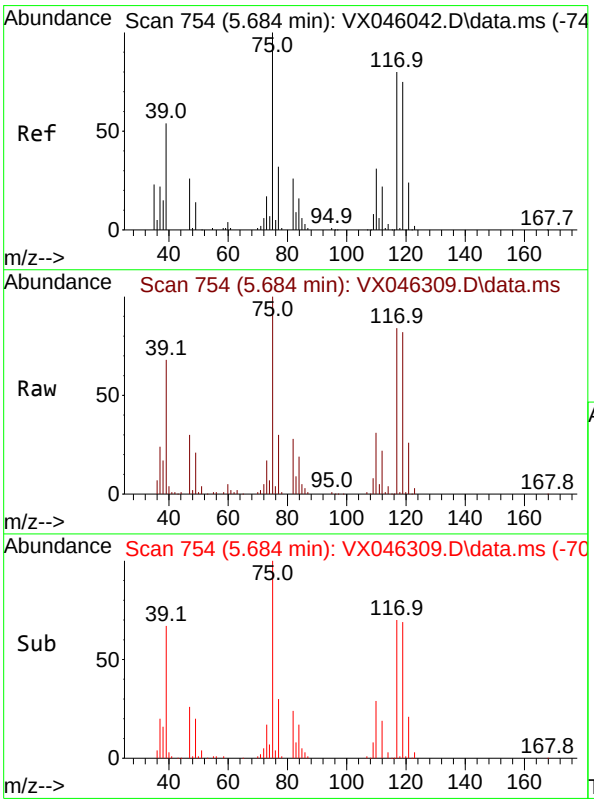
#35
Dibromofluoromethane
Concen: 52.481 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 53992

Ion	Ratio	Lower	Upper
113	100		
111	100.1	83.1	124.7
192	16.6	13.3	19.9

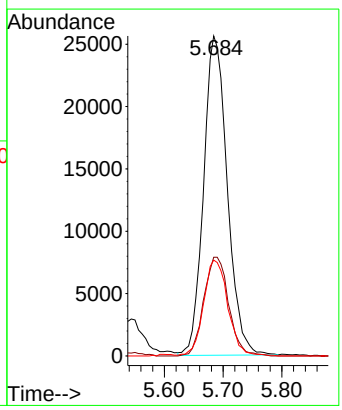


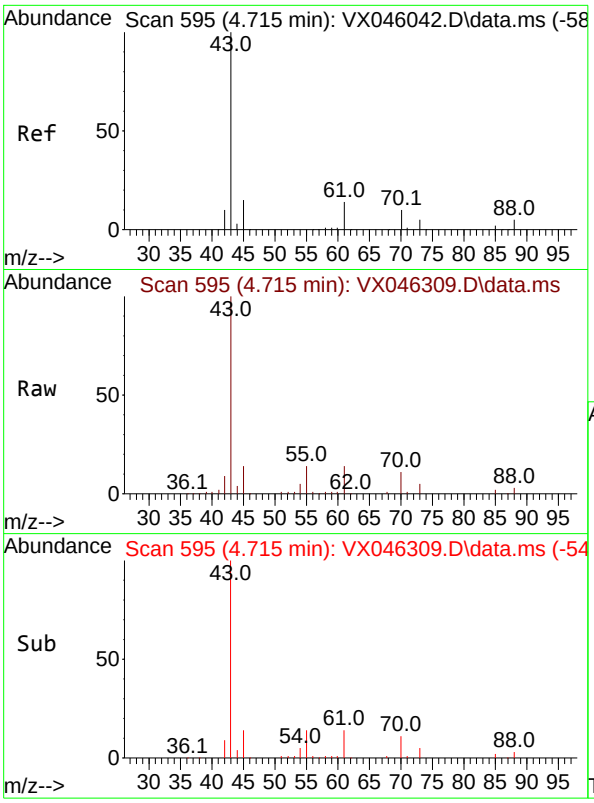


#36
1,1-Dichloropropene
Concen: 51.965 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 75 Resp: 71831

Ion	Ratio	Lower	Upper
75	100		
110	32.4	16.3	48.9
77	30.8	24.3	36.5



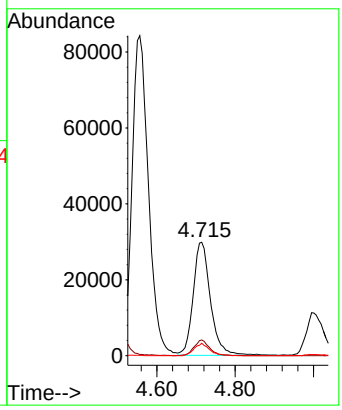


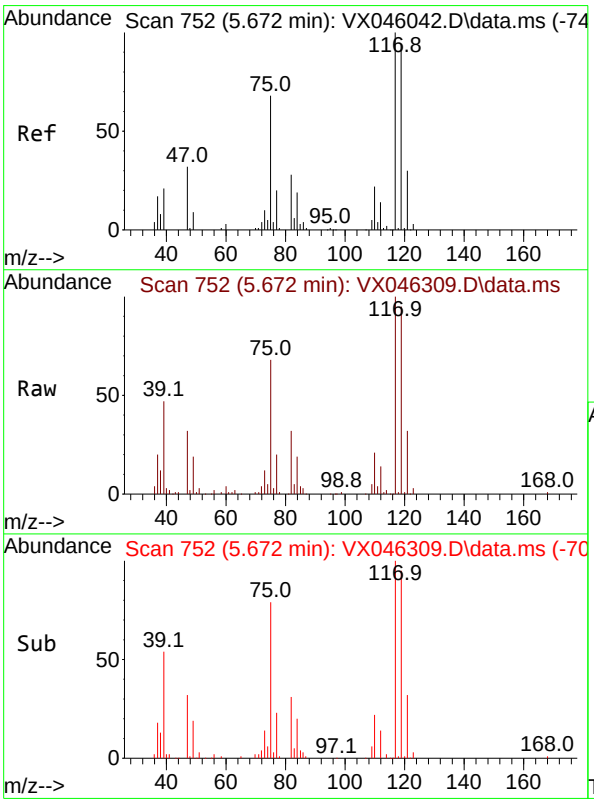
#37
Ethyl Acetate
Concen: 53.811 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 91900

Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.3	15.5
70	9.6	7.9	11.9

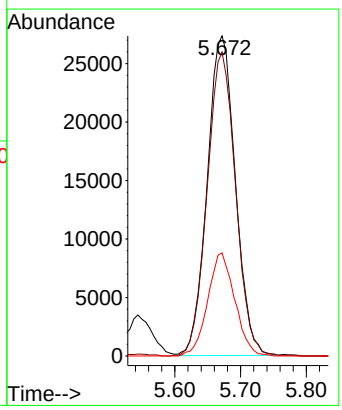


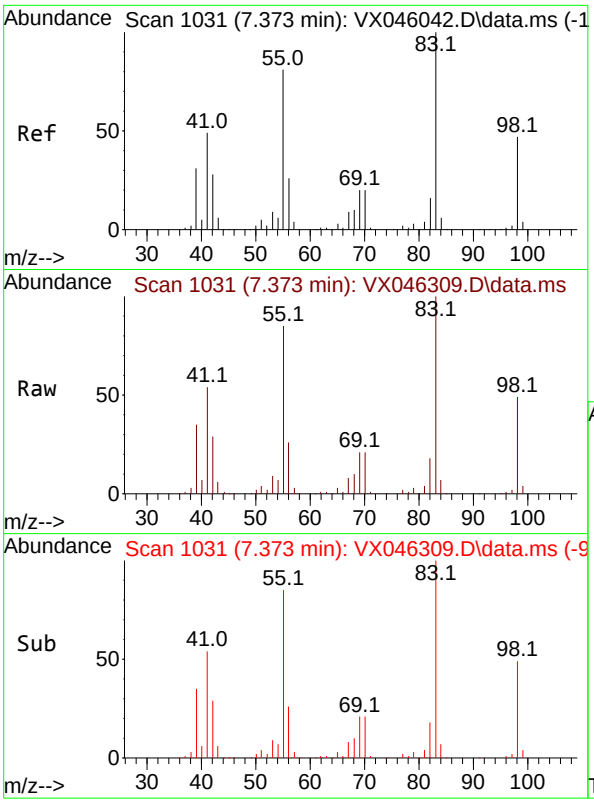


#38
Carbon Tetrachloride
Concen: 52.550 ug/l
RT: 5.672 min Scan# 752
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:117 Resp: 81617

Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.2	112.8
121	32.3	24.2	36.4



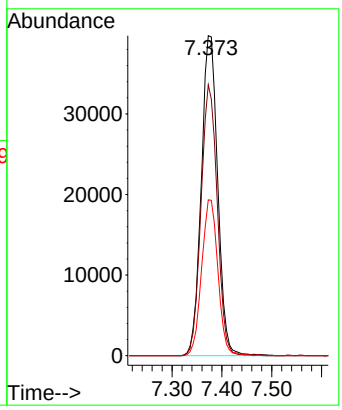


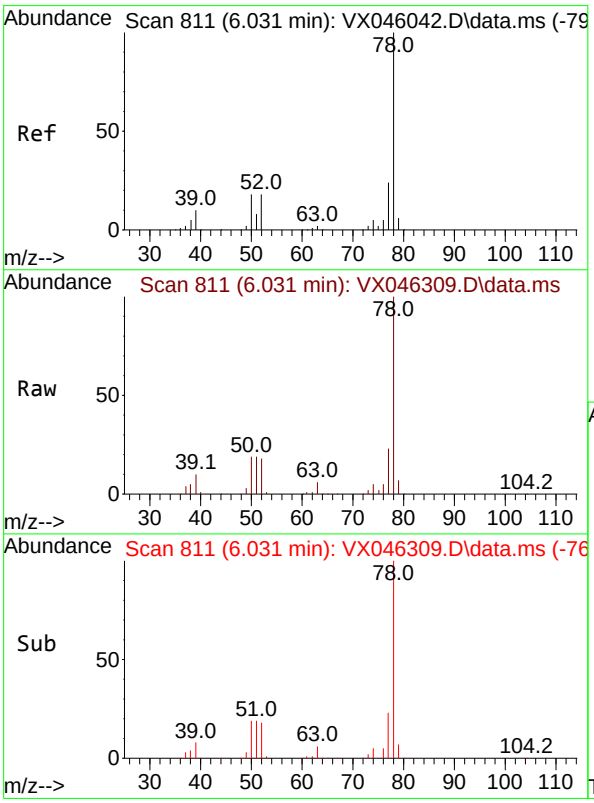
#39
Methylcyclohexane
Concen: 51.084 ug/l
RT: 7.373 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 90909

Ion	Ratio	Lower	Upper
83	100		
55	84.6	64.7	97.1
98	48.7	37.4	56.2

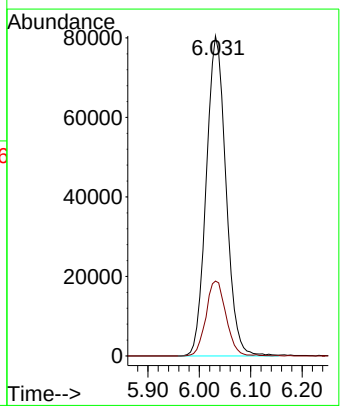


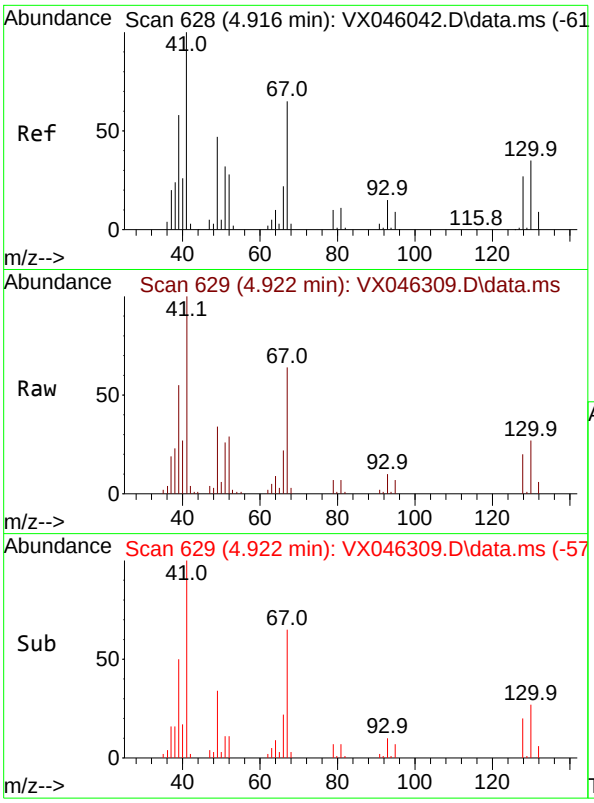


#40
Benzene
Concen: 52.931 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 78 Resp: 214309

Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4



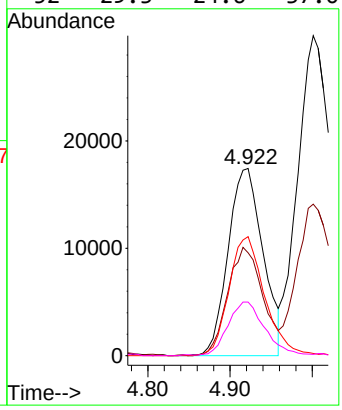


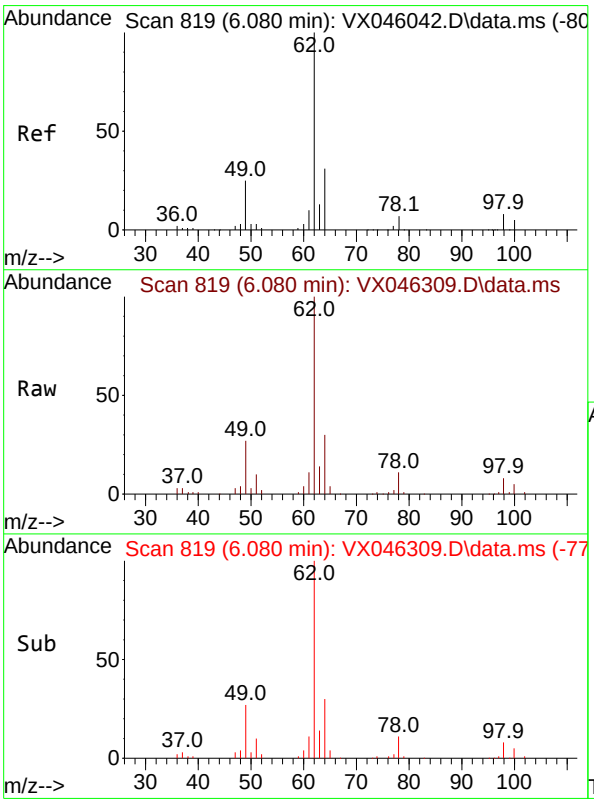
#41
Methacrylonitrile
Concen: 57.703 ug/l
RT: 4.922 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 51551

Ion	Ratio	Lower	Upper
41	100		
39	57.9	47.2	70.8
67	65.5	50.7	76.1
52	29.3	24.6	37.0

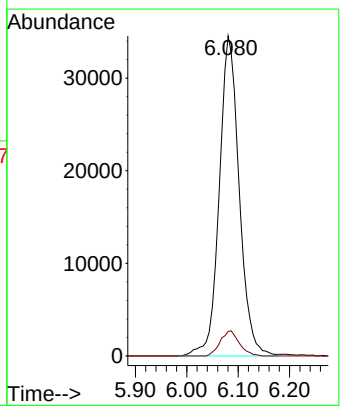


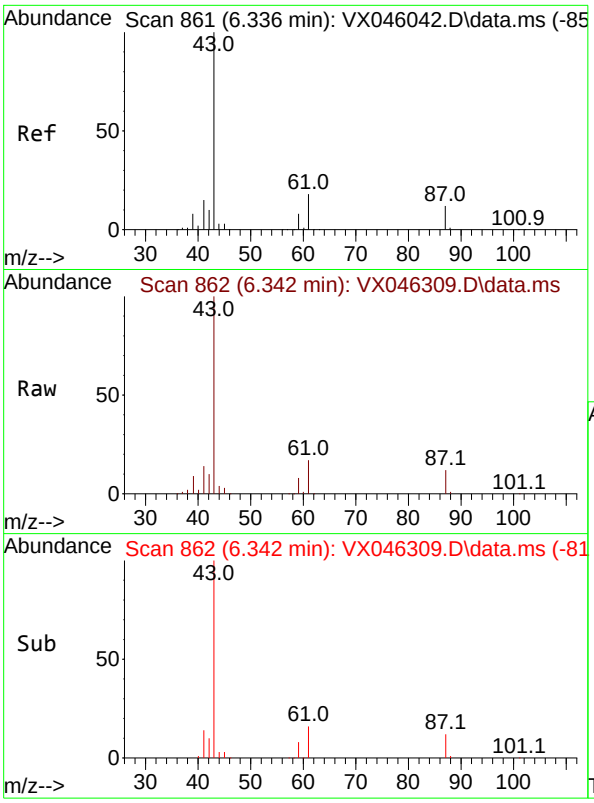


#42
1,2-Dichloroethane
Concen: 53.339 ug/l
RT: 6.080 min Scan# 819
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 62 Resp: 93208

Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.2



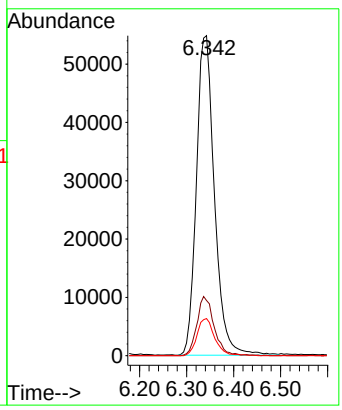


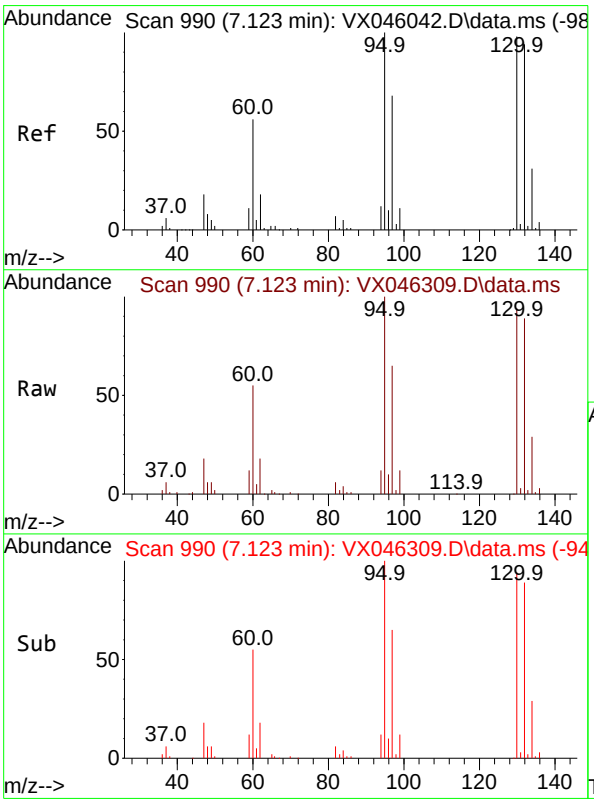
#43
Isopropyl Acetate
Concen: 56.305 ug/l
RT: 6.342 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 146696

Ion	Ratio	Lower	Upper
43	100		
61	17.5	14.3	21.5
87	11.4	9.5	14.3

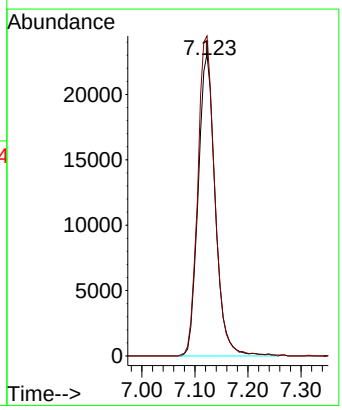


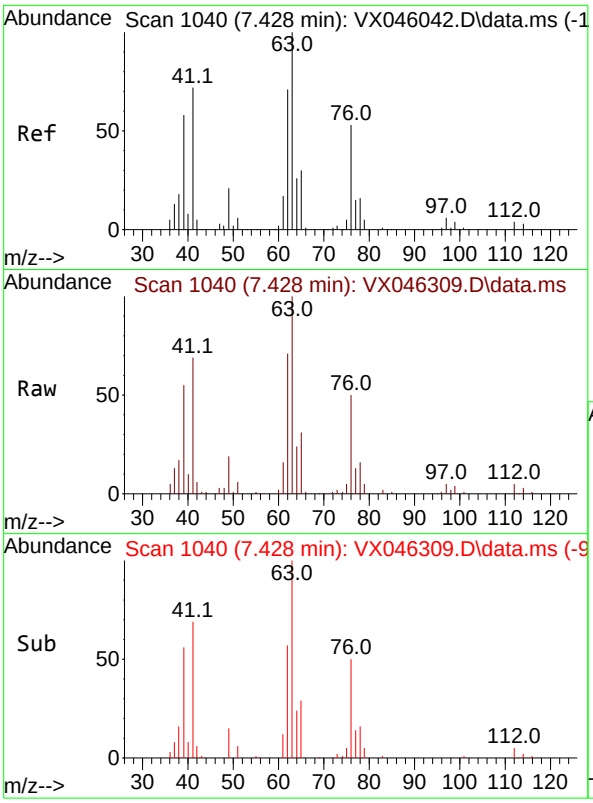


#44
Trichloroethene
Concen: 52.934 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:130 Resp: 51584

Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	204.2



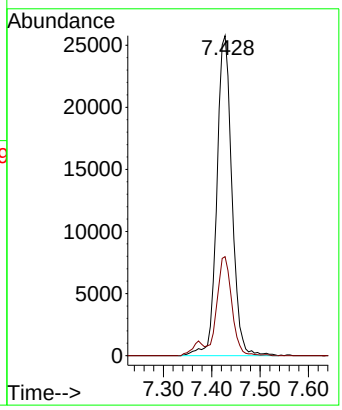


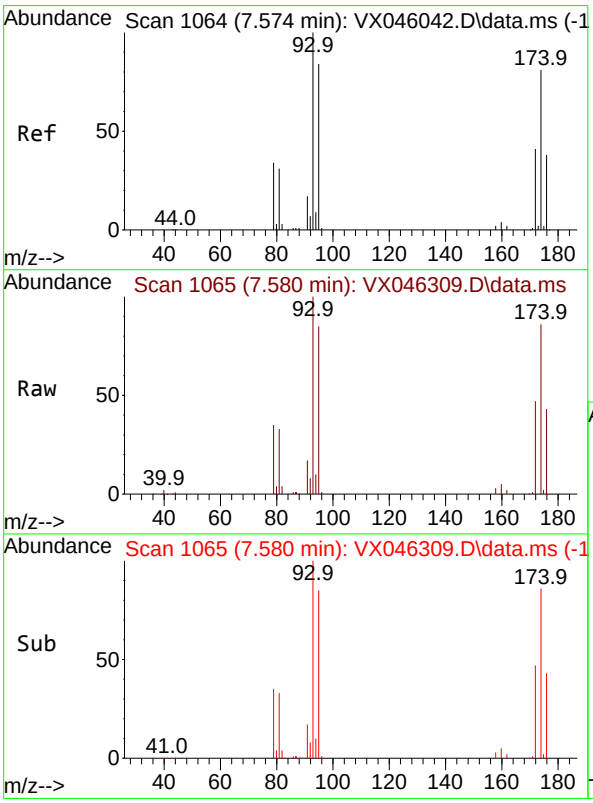
#45
1,2-Dichloropropane
Concen: 55.522 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 55898

Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.1	36.1

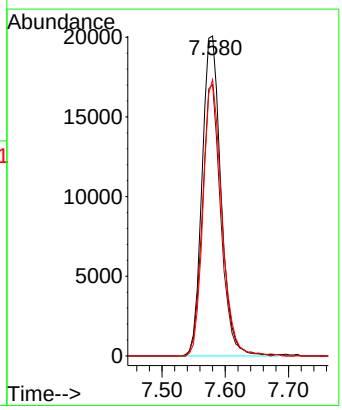


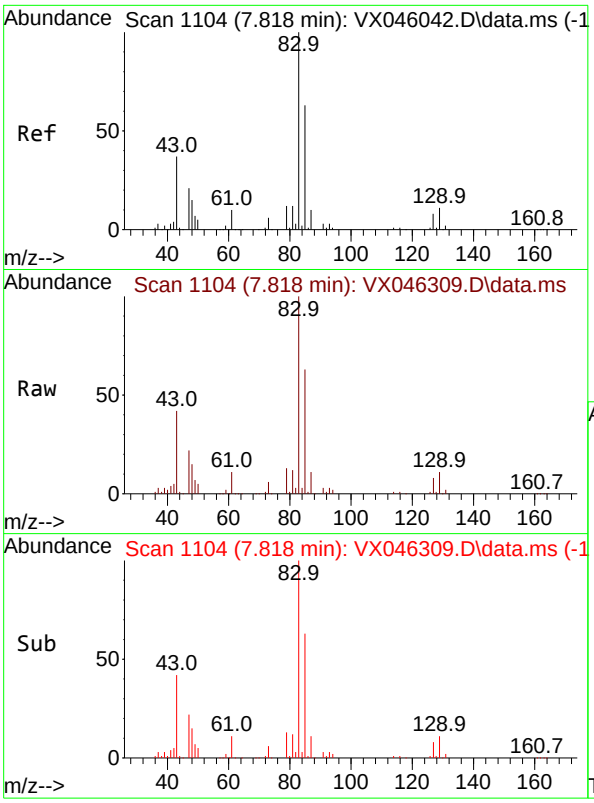


#46
Dibromomethane
Concen: 52.697 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 93 Resp: 41844

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.6	98.4
174	85.1	68.2	102.2



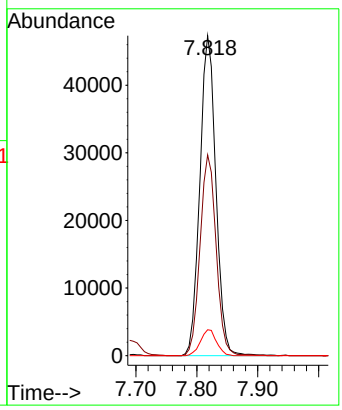


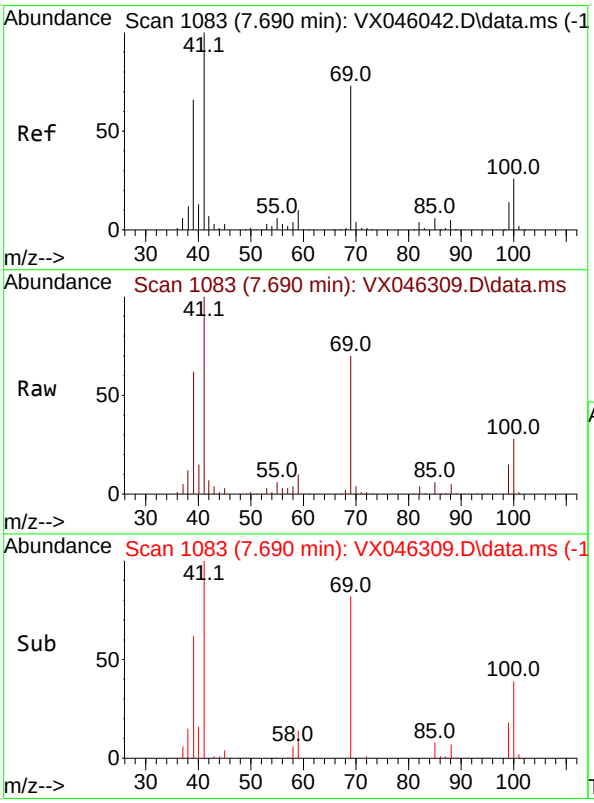
#47
Bromodichloromethane
Concen: 55.574 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 86915

Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.5	75.7
127	8.1	6.5	9.7

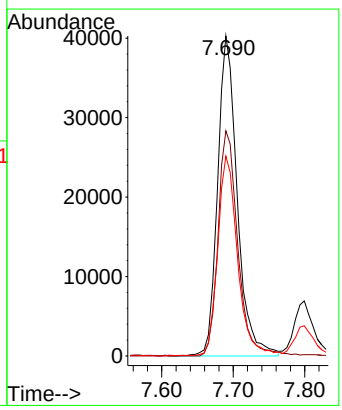


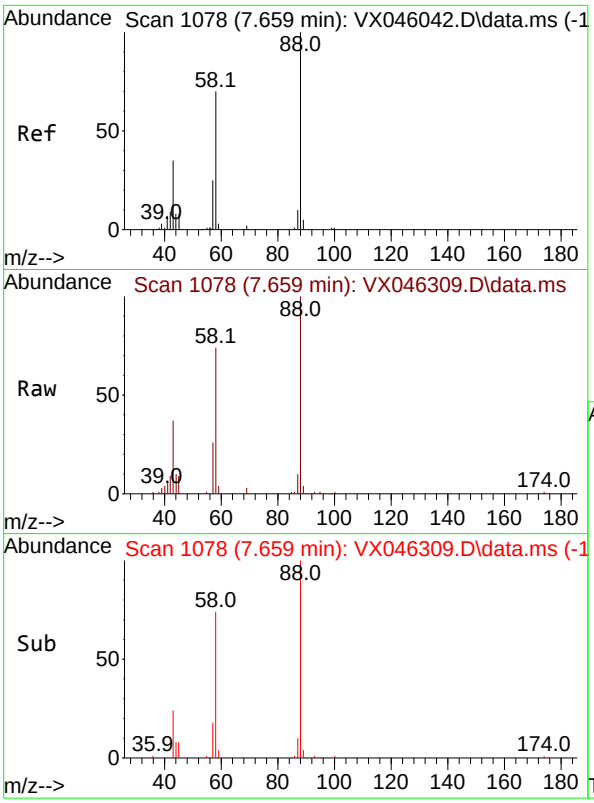


#48
Methyl methacrylate
Concen: 57.664 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 41 Resp: 76728

Ion	Ratio	Lower	Upper
41	100		
69	71.0	58.5	87.7
39	62.8	51.7	77.5



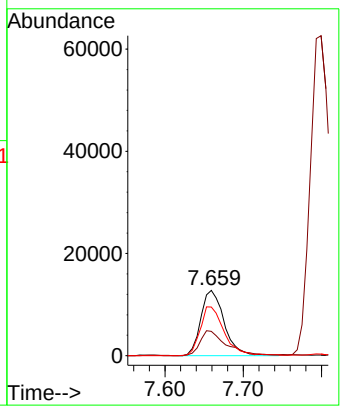


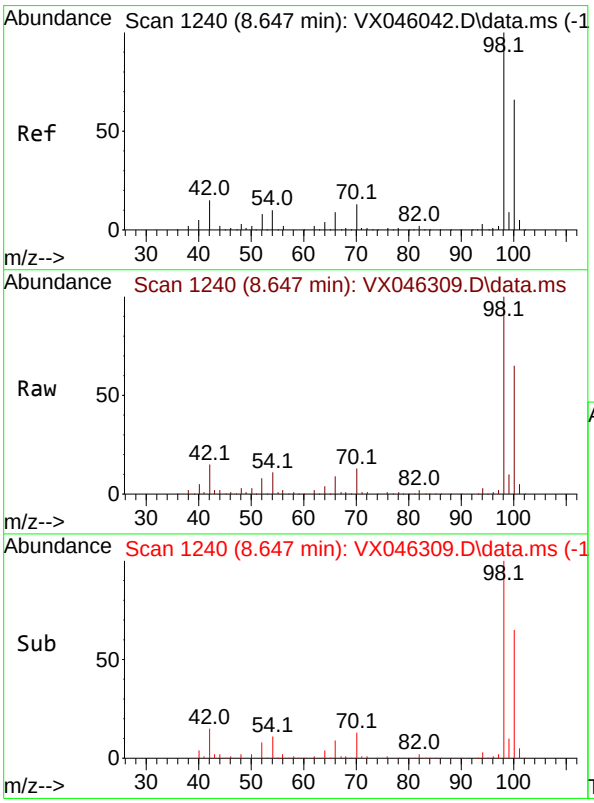
#49
1,4-Dioxane
Concen: 1049.342 ug/l
RT: 7.659 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 26511

Ion	Ratio	Lower	Upper
88	100		
43	43.4	33.4	50.2
58	77.0	58.6	88.0

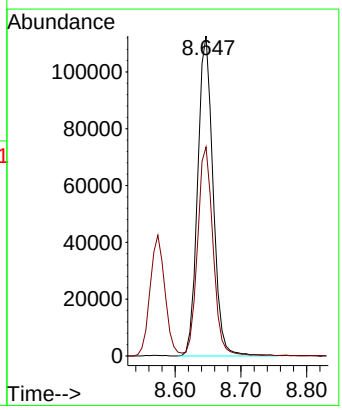


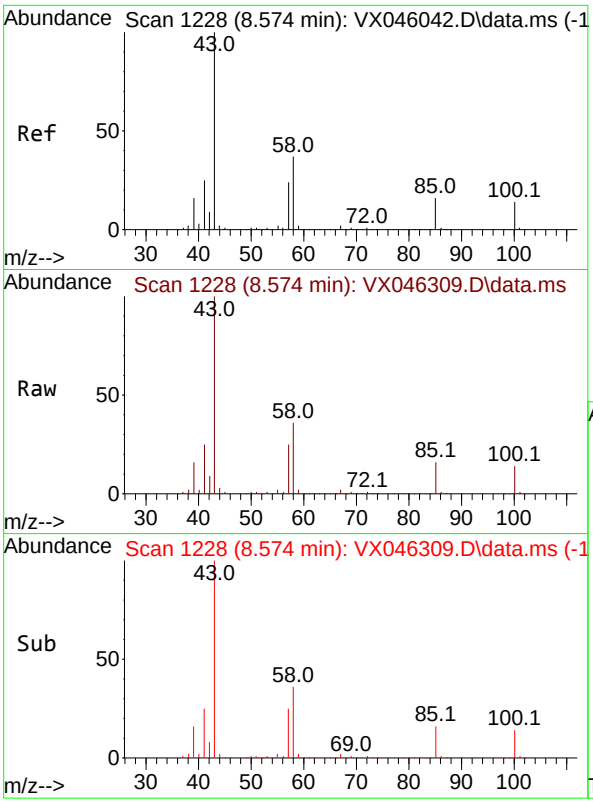


#50
Toluene-d8
Concen: 51.458 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 98 Resp: 183231

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.5	80.3



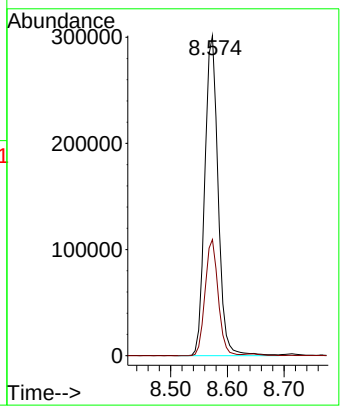


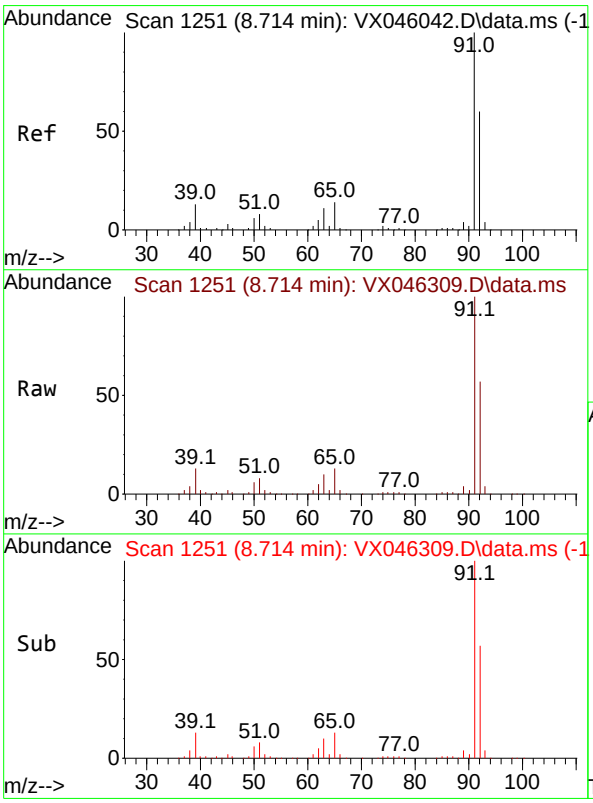
#51
4-Methyl-2-Pentanone
Concen: 284.246 ug/l
RT: 8.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 491581

Ion	Ratio	Lower	Upper
43	100		
58	35.6	28.9	43.3

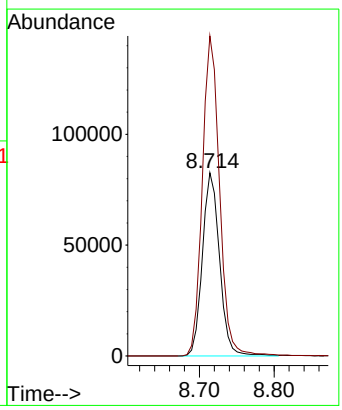


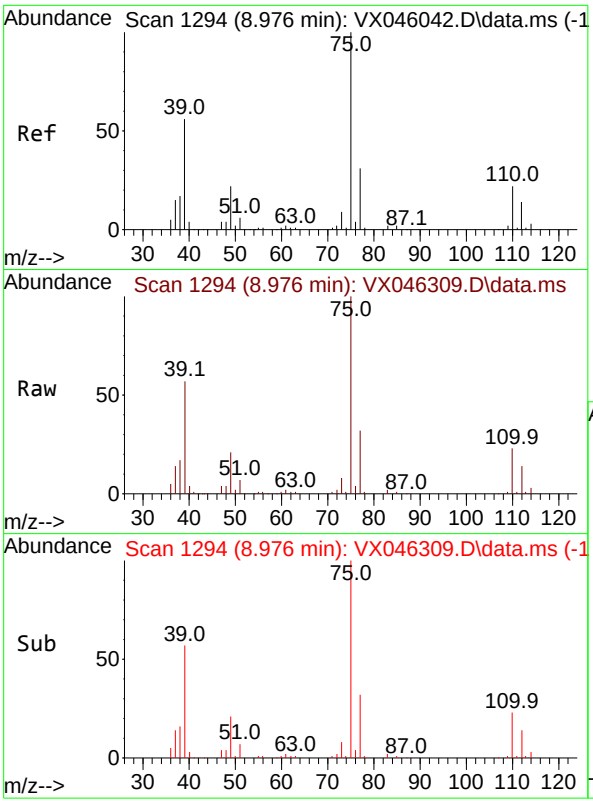


#52
Toluene
Concen: 53.018 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 92 Resp: 131628

Ion	Ratio	Lower	Upper
92	100		
91	175.7	136.6	205.0



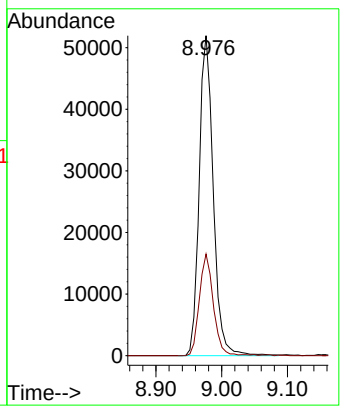


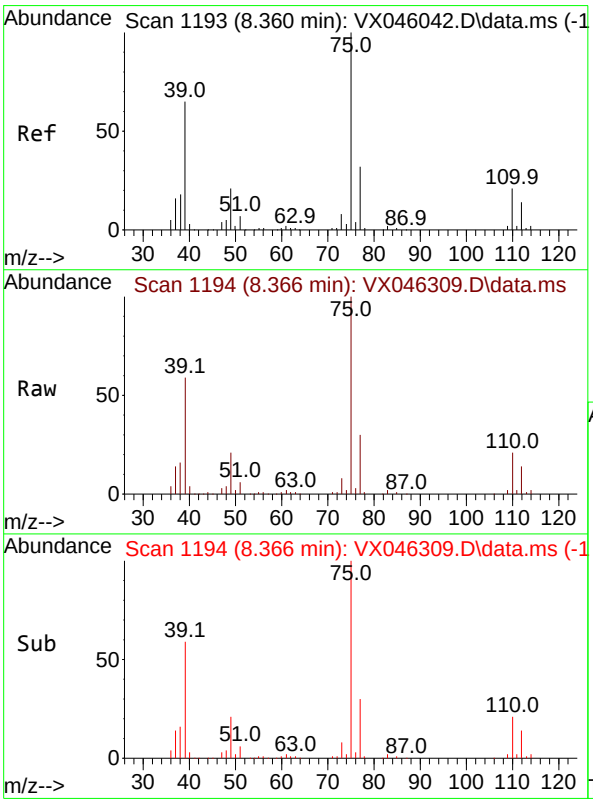
#53
t-1,3-Dichloropropene
Concen: 55.500 ug/l
RT: 8.976 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 77152

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.6

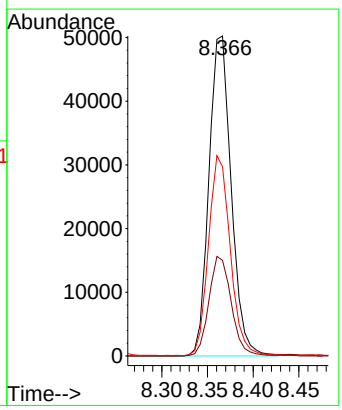


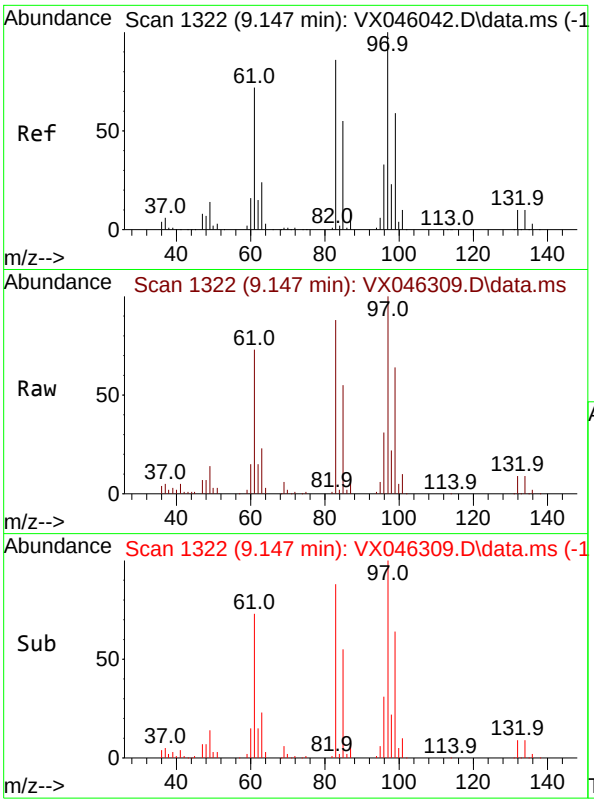


#54
cis-1,3-Dichloropropene
Concen: 55.300 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 75 Resp: 84964

Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.4	38.0
39	58.9	52.2	78.4



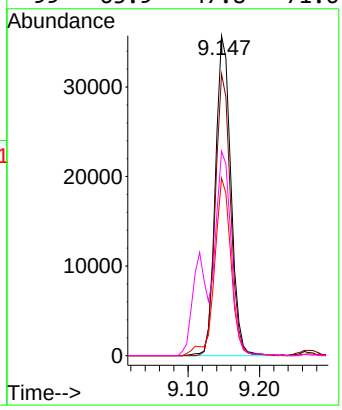


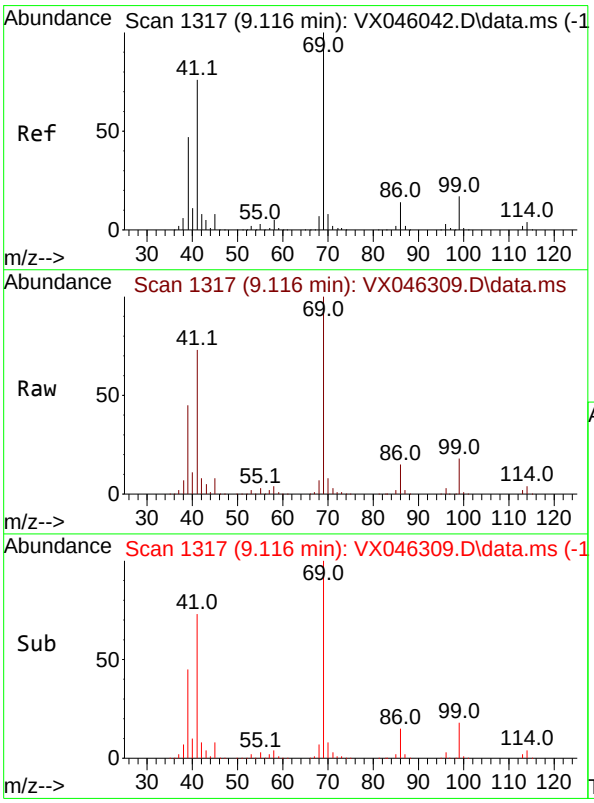
#55
1,1,2-Trichloroethane
Concen: 54.873 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 53717

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.0	103.6
85	55.5	44.3	66.5
99	63.9	47.8	71.6

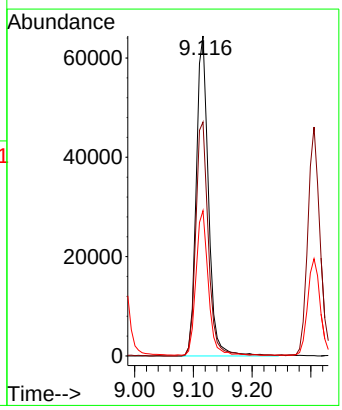


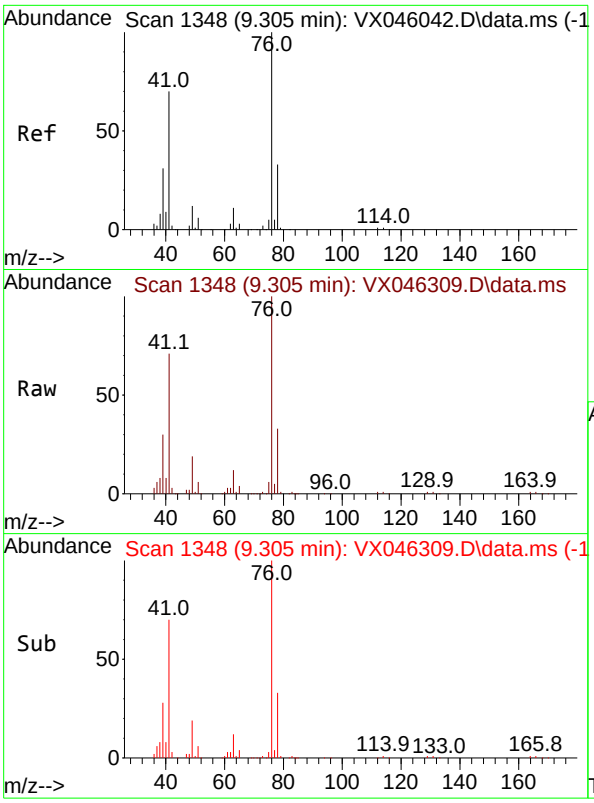


#56
Ethyl methacrylate
Concen: 59.733 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 69 Resp: 93196

Ion	Ratio	Lower	Upper
69	100		
41	75.8	60.8	91.2
39	45.6	39.0	58.6



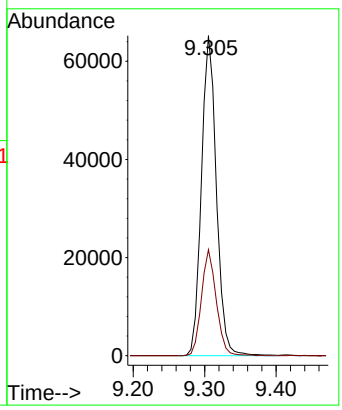


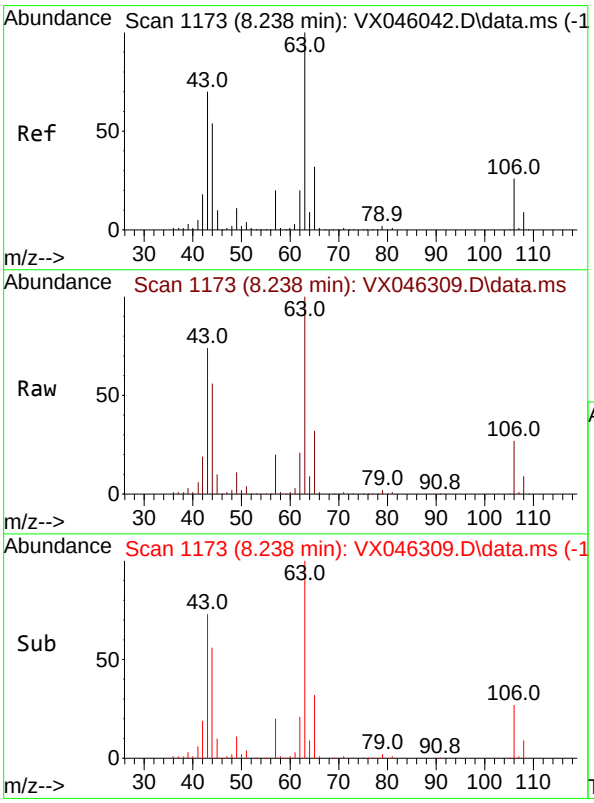
#57
1,3-Dichloropropane
Concen: 53.891 ug/l
RT: 9.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 94746

Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.3	39.5

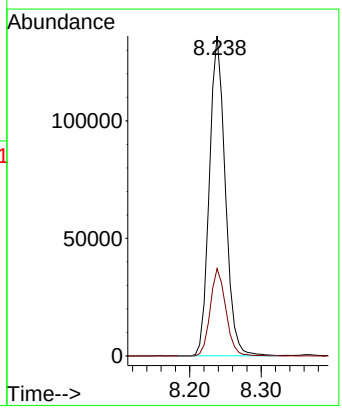


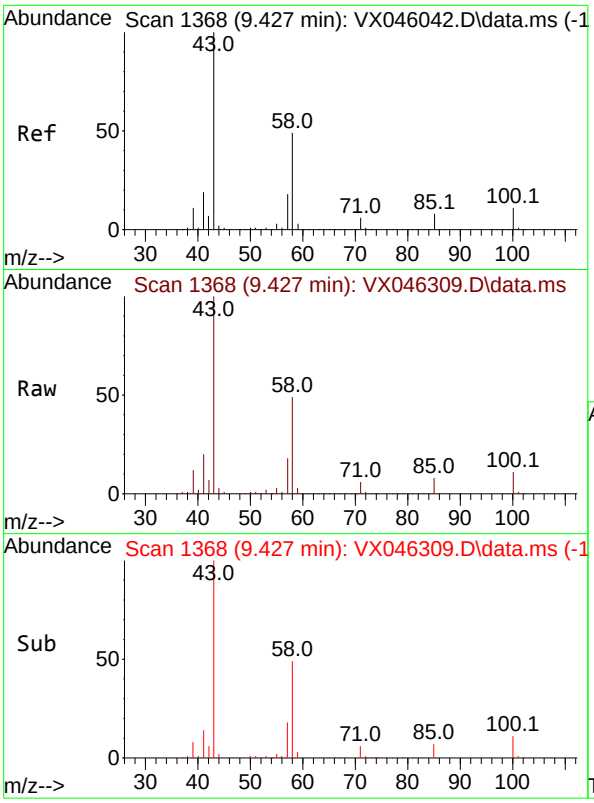


#58
2-Chloroethyl Vinyl ether
Concen: 263.968 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 63 Resp: 209966

Ion	Ratio	Lower	Upper
63	100		
106	26.8	21.5	32.3



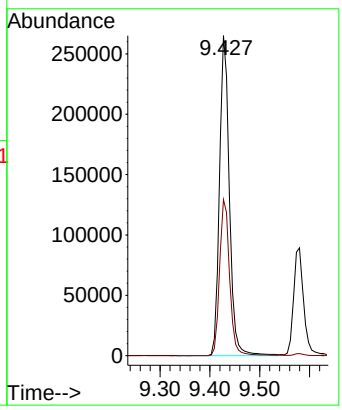


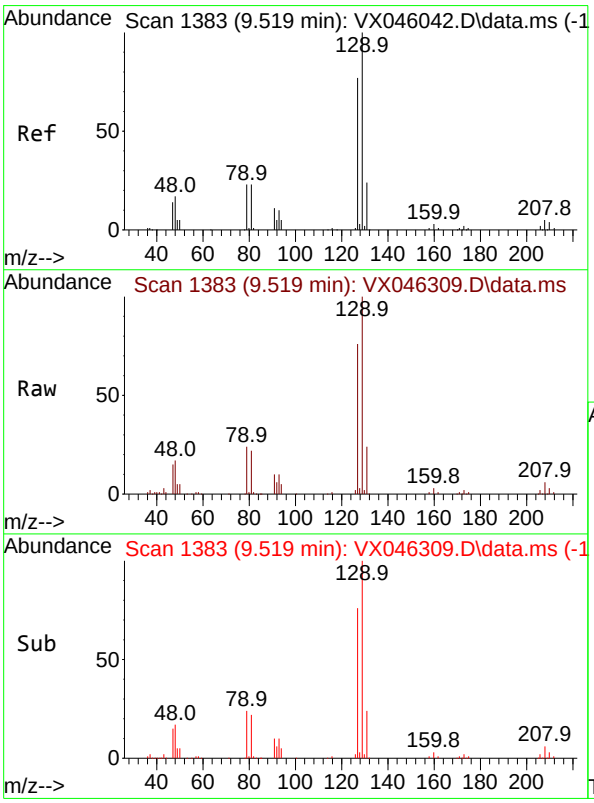
#59
2-Hexanone
Concen: 284.811 ug/l
RT: 9.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 364412

Ion	Ratio	Lower	Upper
43	100		
58	49.7	24.9	74.6

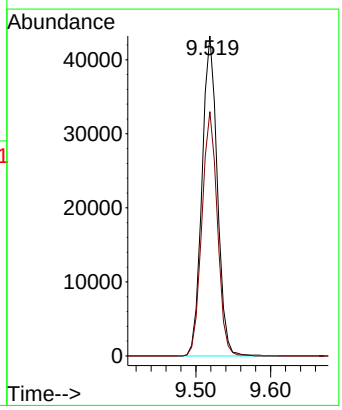


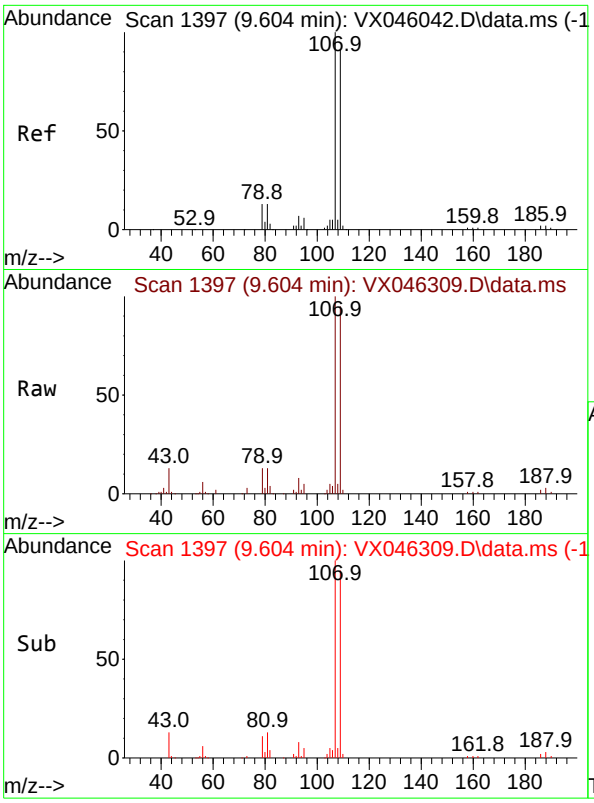


#60
Dibromochloromethane
Concen: 57.039 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:129 Resp: 61323

Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.3	117.8



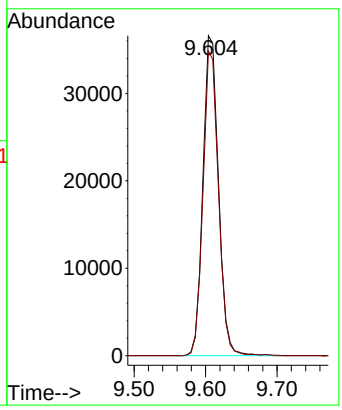


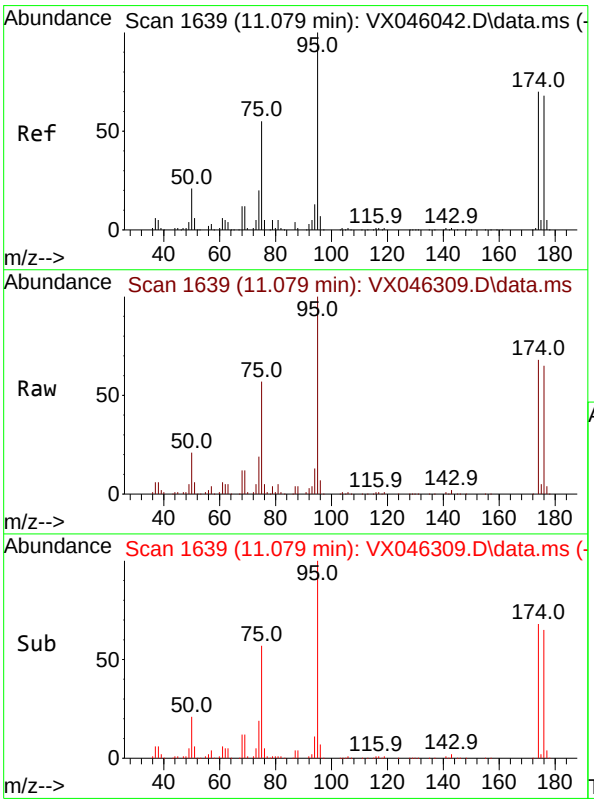
#61
1,2-Dibromoethane
Concen: 54.430 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 55381

Ion	Ratio	Lower	Upper
107	100		
109	94.4	73.3	109.9

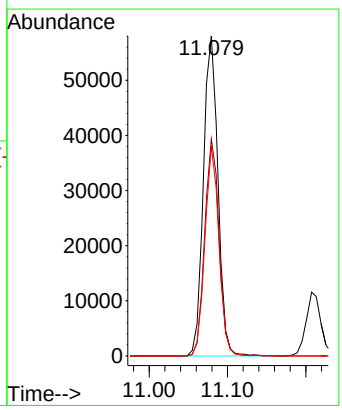


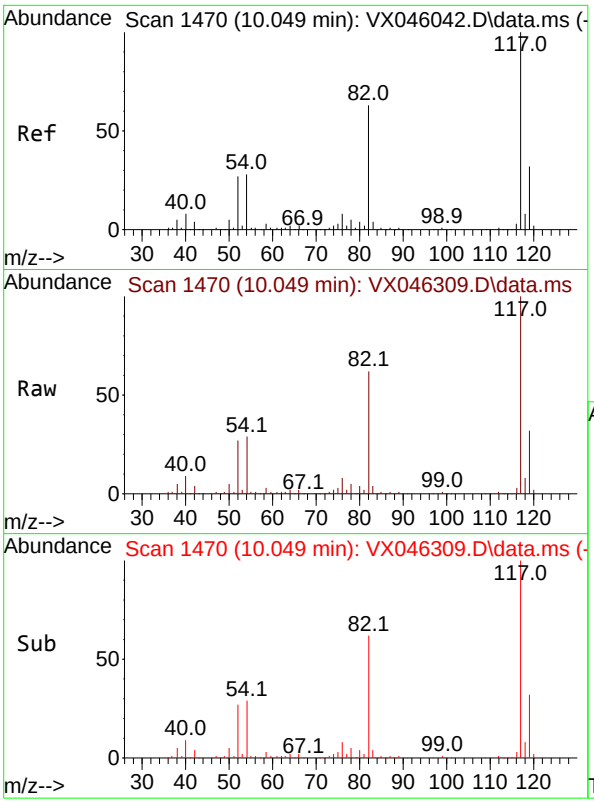


#62
4-Bromofluorobenzene
Concen: 54.746 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 95 Resp: 74777

Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	135.8
176	63.0	0.0	131.4



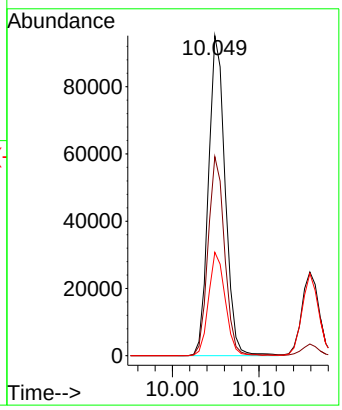


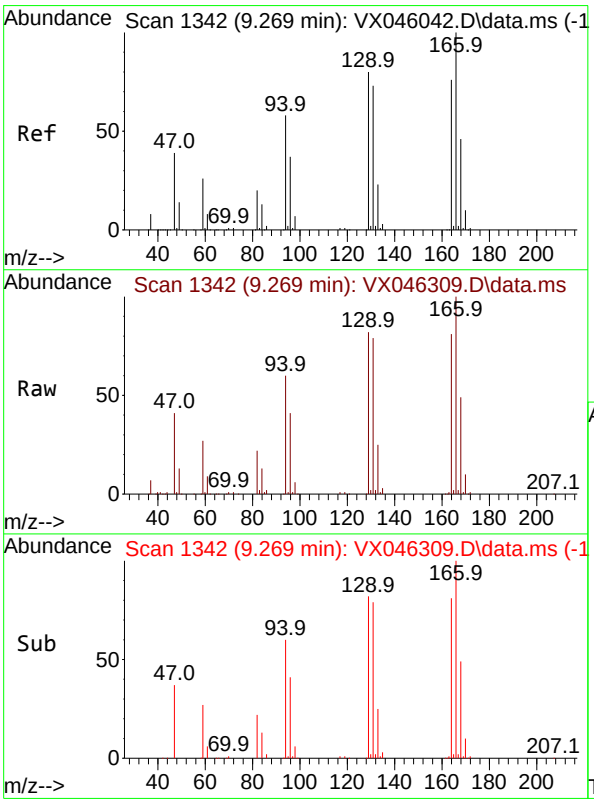
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 127180

Ion	Ratio	Lower	Upper
117	100		
82	62.2	50.6	76.0
119	32.3	25.8	38.6

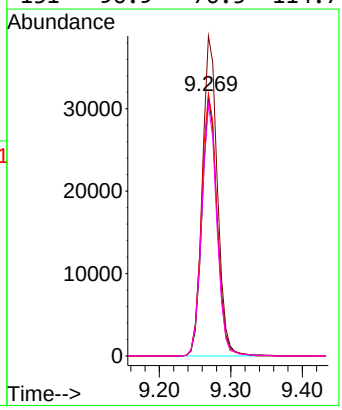


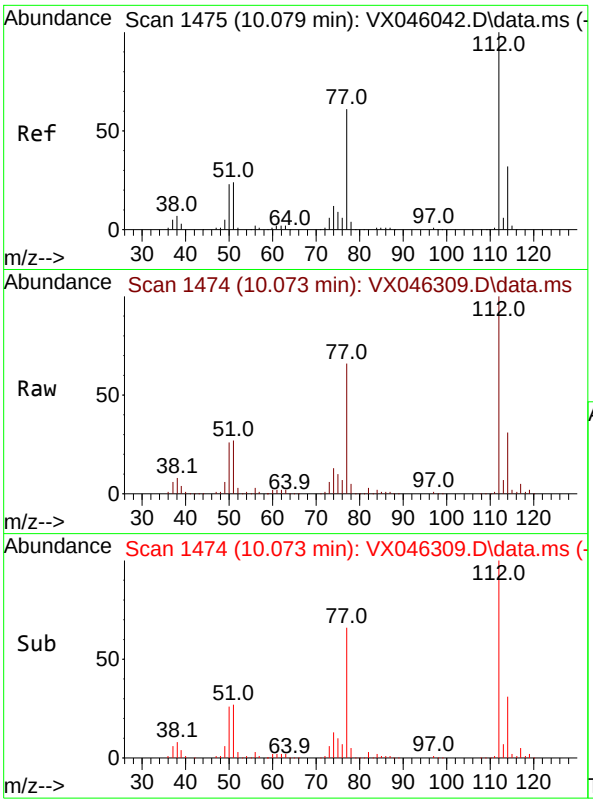


#64
Tetrachloroethene
Concen: 51.541 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:164 Resp: 46379

Ion	Ratio	Lower	Upper
164	100		
166	123.2	105.0	157.6
129	100.9	83.5	125.3
131	96.9	76.5	114.7



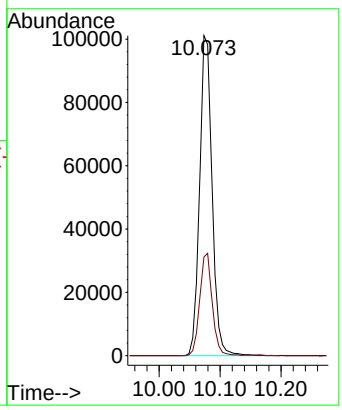


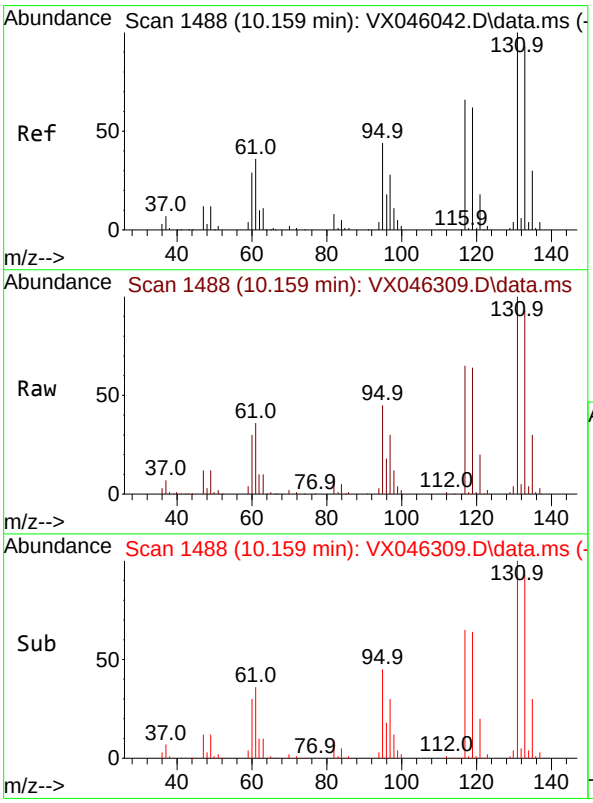
#65
Chlorobenzene
Concen: 51.899 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 144470

Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.4	38.2

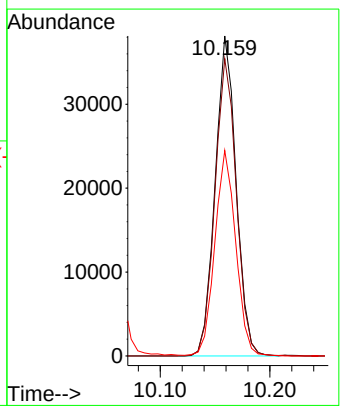


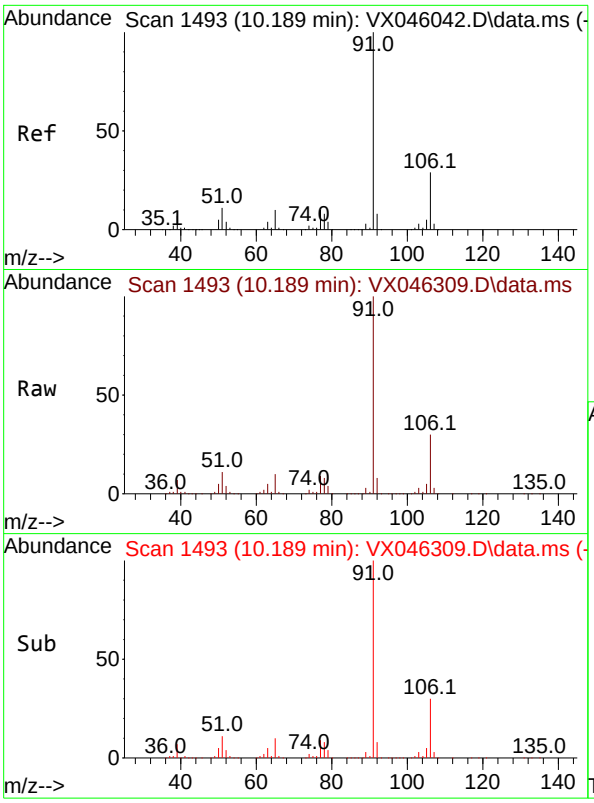


#66
1,1,1,2-Tetrachloroethane
Concen: 53.383 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:131 Resp: 50742

Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	141.9
119	64.2	31.6	95.0



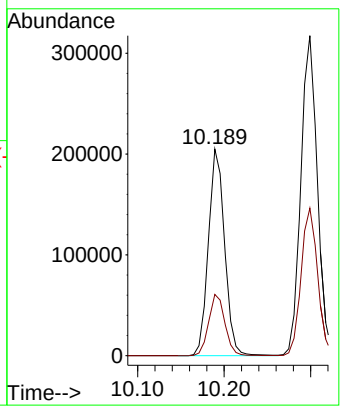


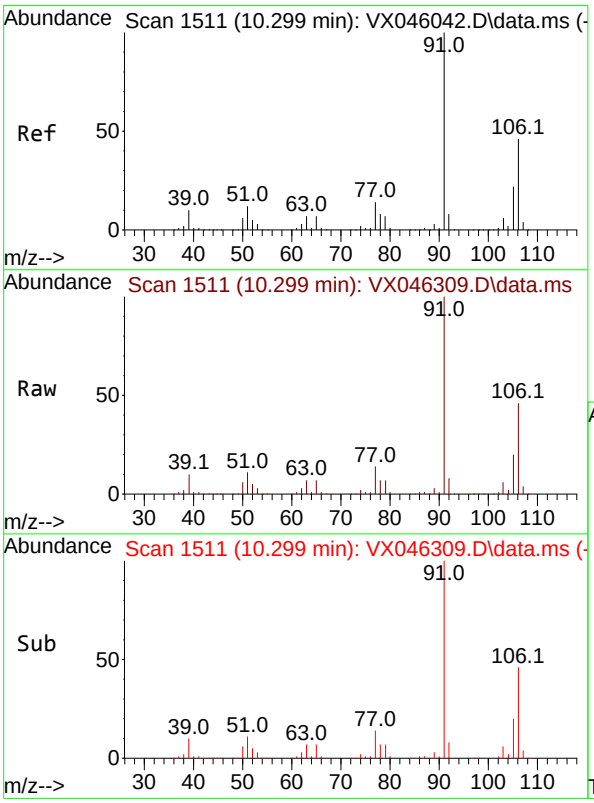
#67
Ethyl Benzene
Concen: 54.383 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 266848

Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.4	35.2

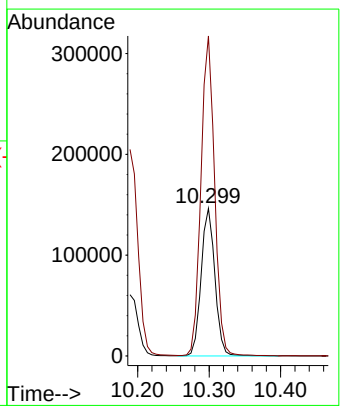


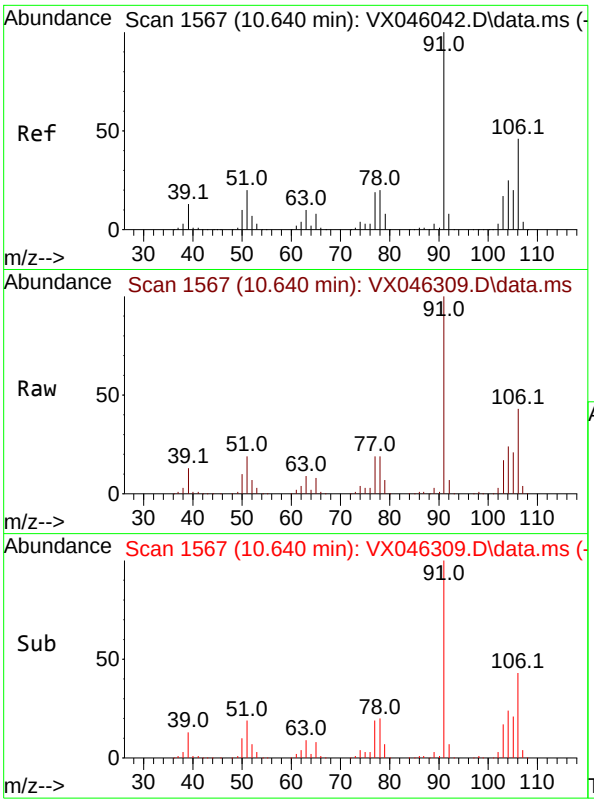


#68
m/p-Xylenes
Concen: 108.710 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:106 Resp: 195095

Ion	Ratio	Lower	Upper
106	100		
91	215.8	171.2	256.8



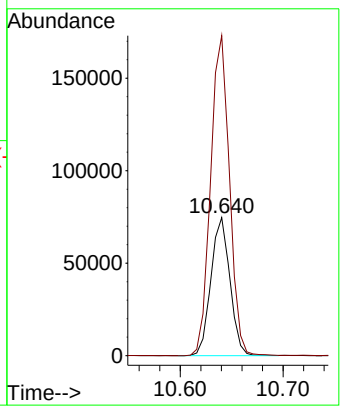


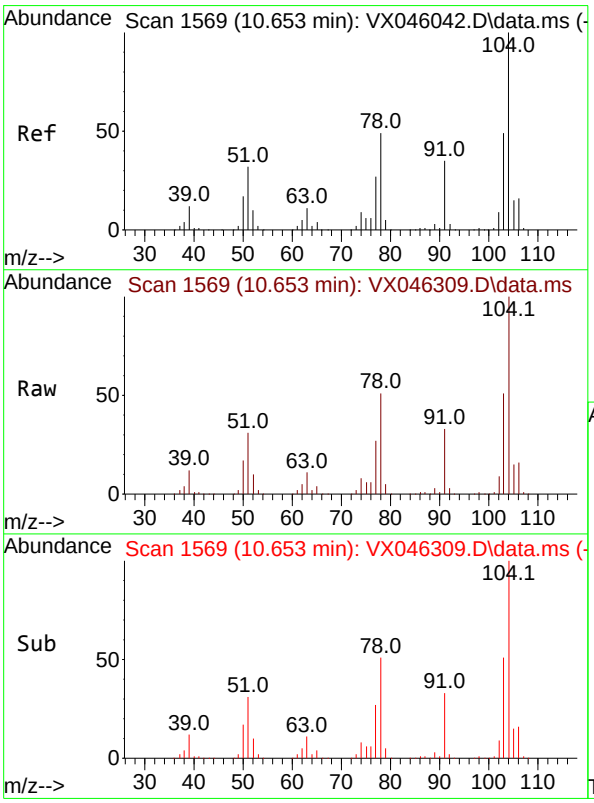
#69
o-Xylene
Concen: 54.714 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 95728

Ion	Ratio	Lower	Upper
106	100		
91	231.2	112.7	338.1

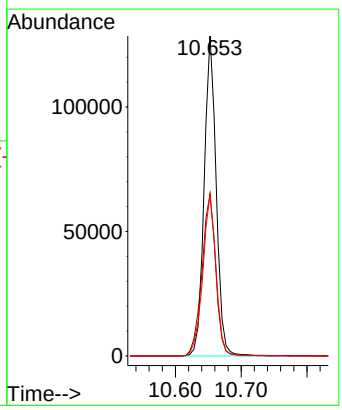


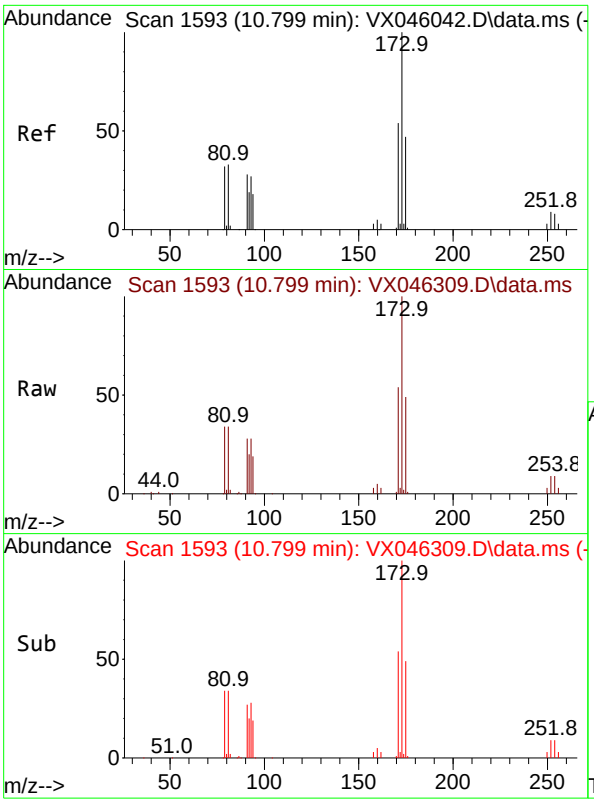


#70
Styrene
Concen: 57.165 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:104 Resp: 163839

Ion	Ratio	Lower	Upper
104	100		
78	58.1	45.7	68.5
103	55.6	43.7	65.5



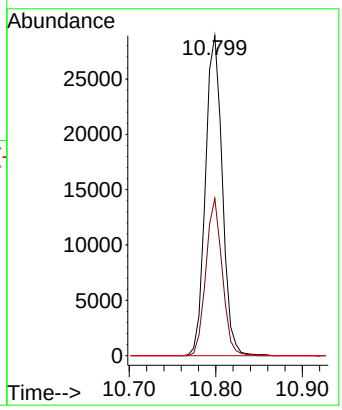


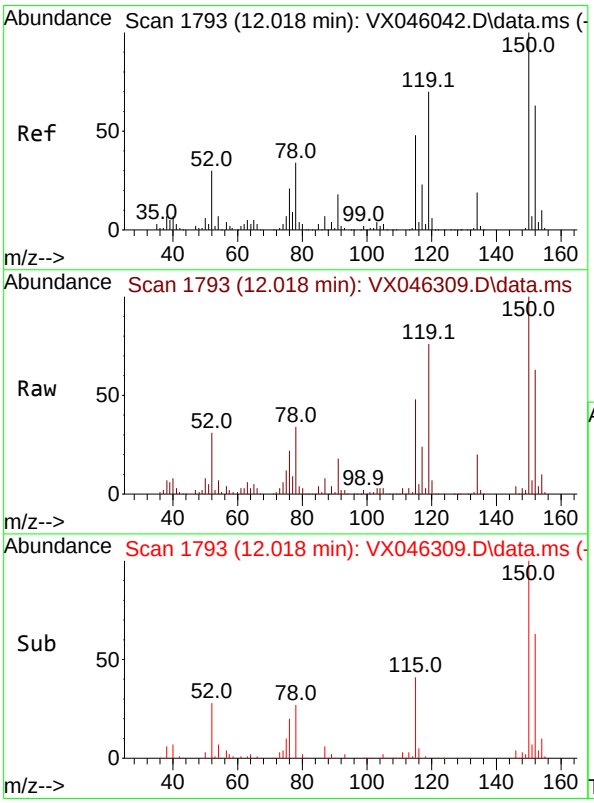
#71
Bromoform
Concen: 54.834 ug/l
RT: 10.799 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 39132

Ion	Ratio	Lower	Upper
173	100		
175	47.5	23.4	70.0
254	0.0	0.0	0.0

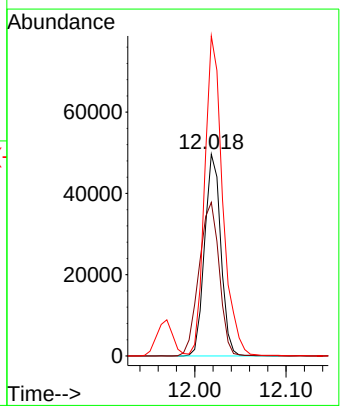


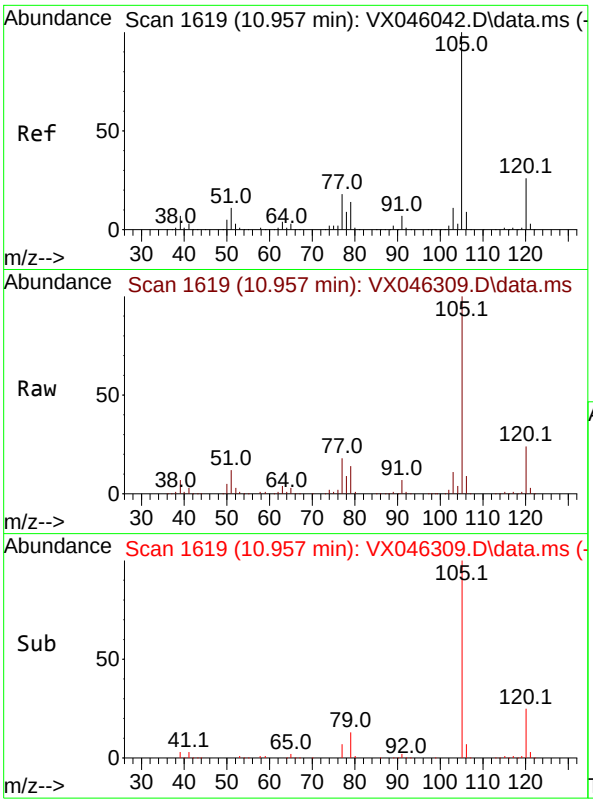


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:152 Resp: 60906

Ion	Ratio	Lower	Upper
152	100		
115	95.5	46.9	140.7
150	176.1	0.0	351.0



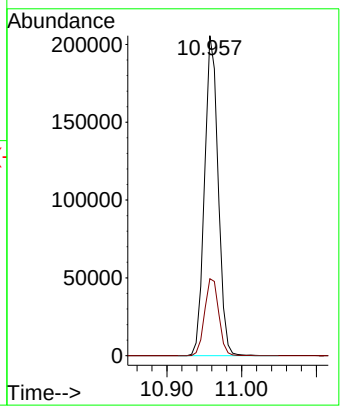


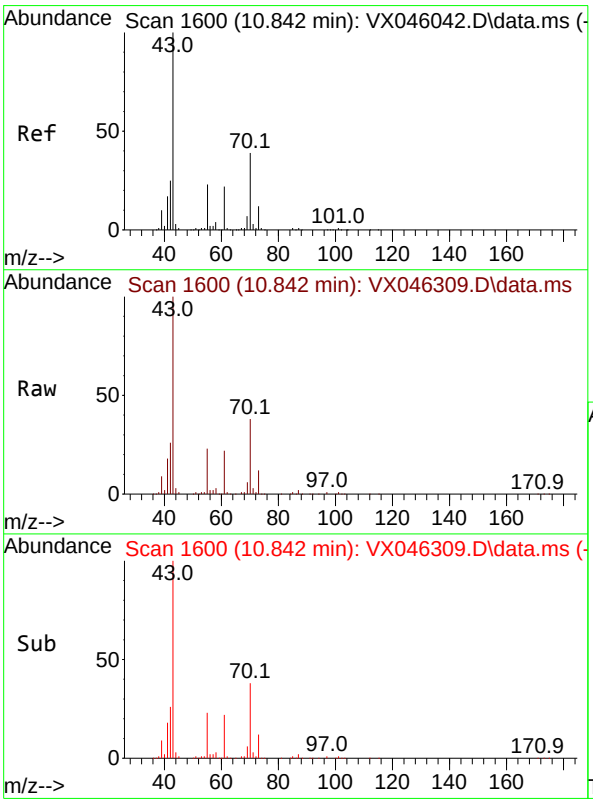
#73
Isopropylbenzene
Concen: 54.740 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 259562

Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.8	38.4

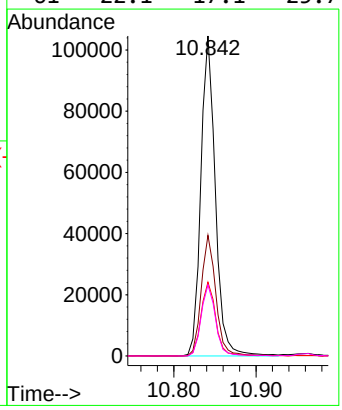


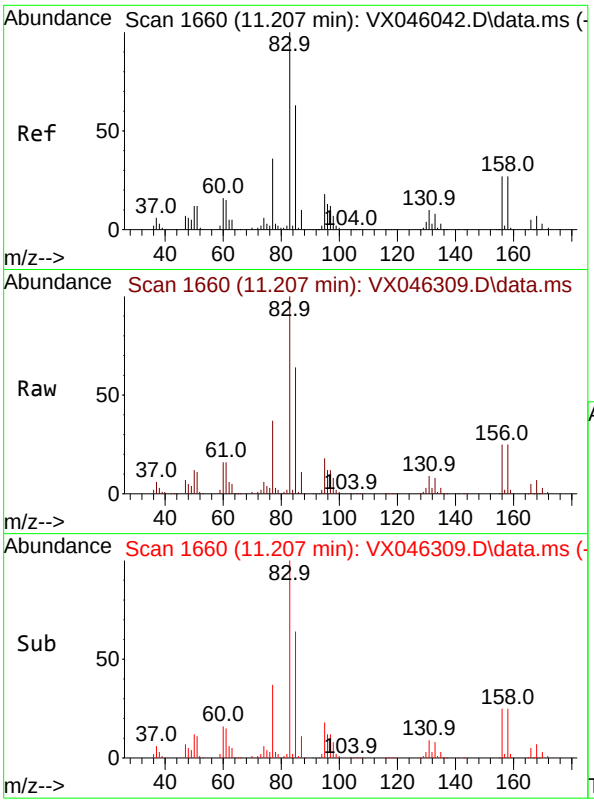


#74
N-amyl acetate
Concen: 54.704 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 43 Resp: 128177

Ion	Ratio	Lower	Upper
43	100		
70	38.1	30.9	46.3
55	23.3	18.7	28.1
61	22.1	17.1	25.7



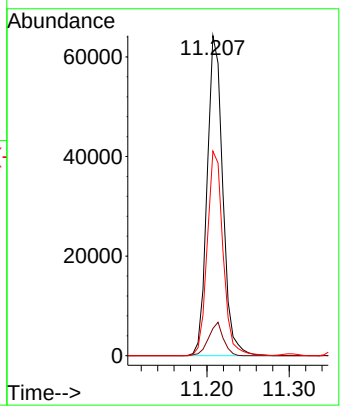


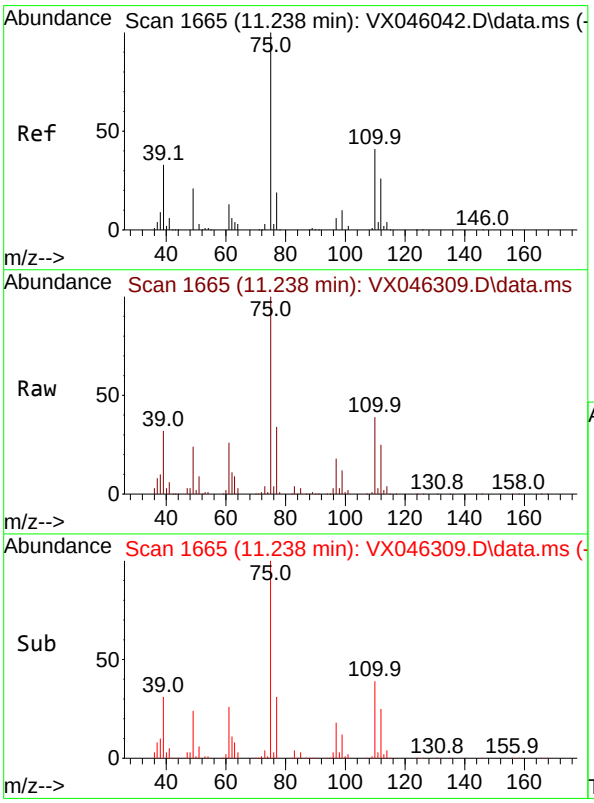
#75
1,1,2,2-Tetrachloroethane
Concen: 50.866 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 84522

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.6	31.9	95.7

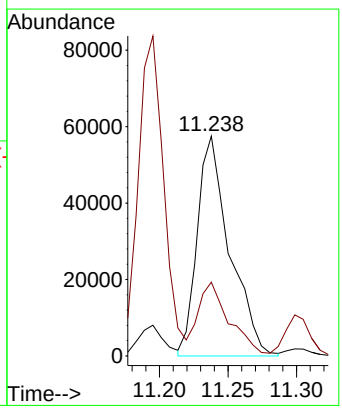


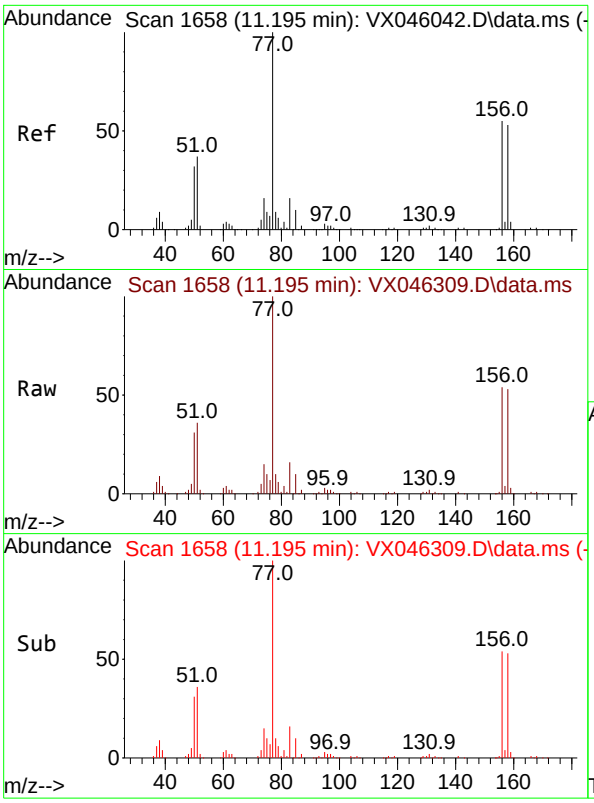


#76
1,2,3-Trichloropropane
Concen: 64.766 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 75 Resp: 94949

Ion	Ratio	Lower	Upper
75	100		
77	32.3	20.5	61.5



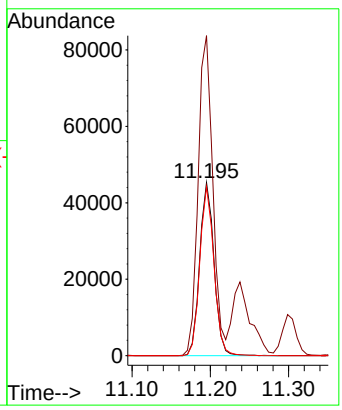


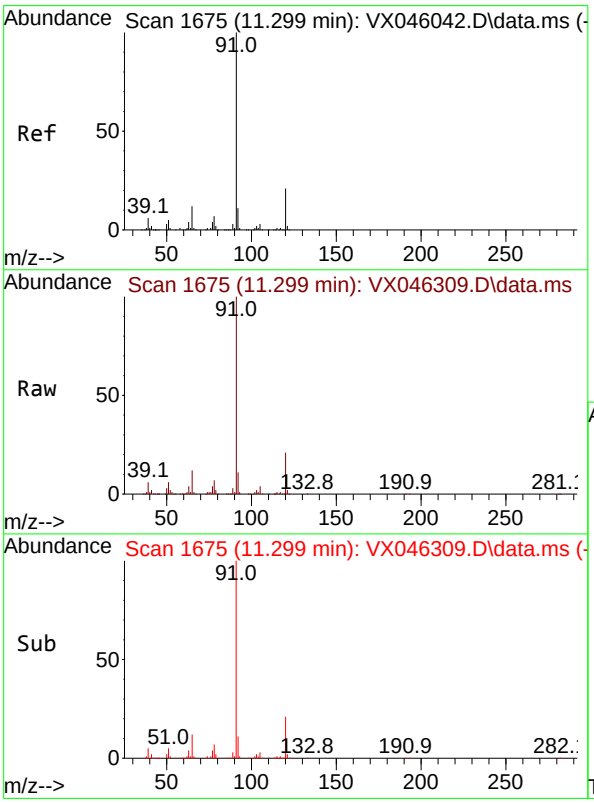
#77
Bromobenzene
Concen: 52.219 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 57485

Ion	Ratio	Lower	Upper
156	100		
77	189.8	92.8	278.3
158	96.9	48.8	146.3

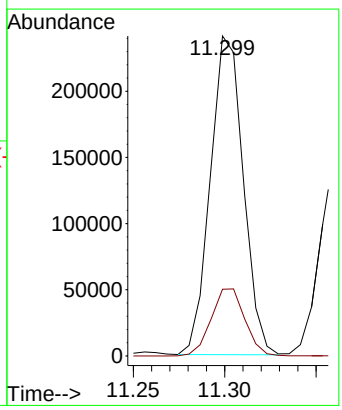


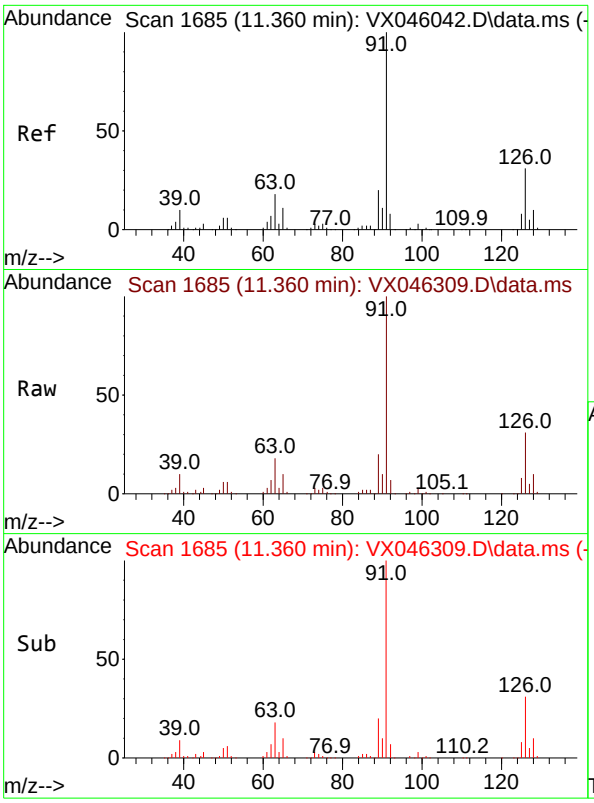


#78
n-propylbenzene
Concen: 54.831 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 91 Resp: 302304

Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.4



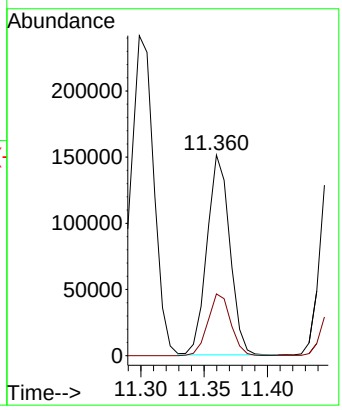


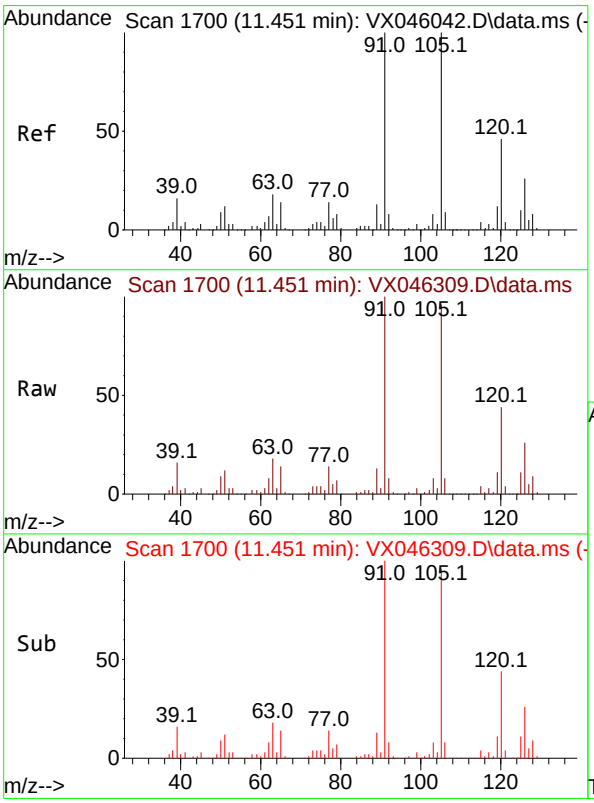
#79
2-Chlorotoluene
Concen: 53.228 ug/l
RT: 11.360 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 189286

Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.7

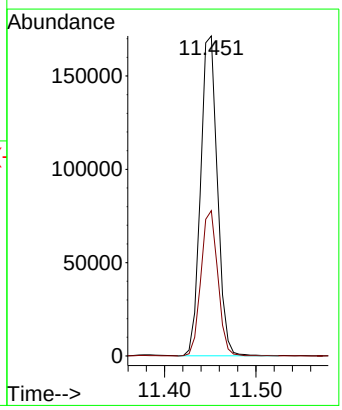


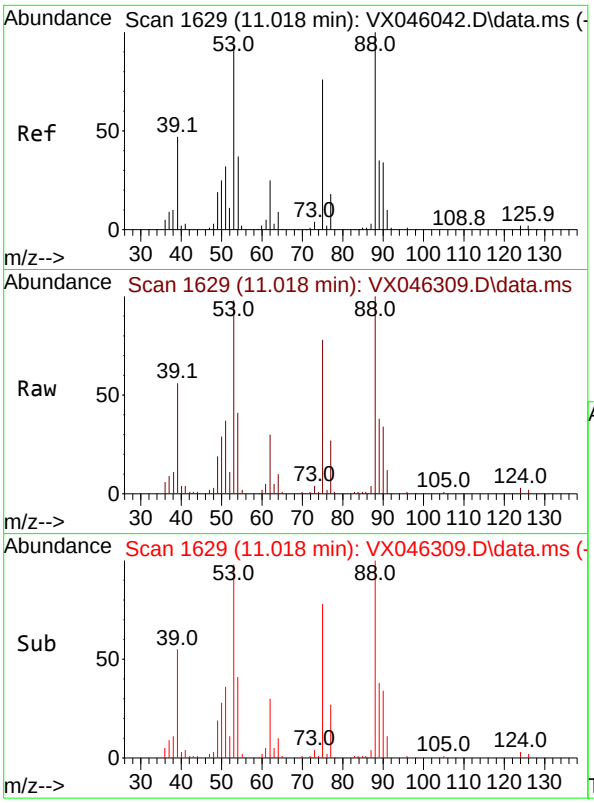


#80
1,3,5-Trimethylbenzene
Concen: 55.092 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:105 Resp: 218239

Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.1	69.2



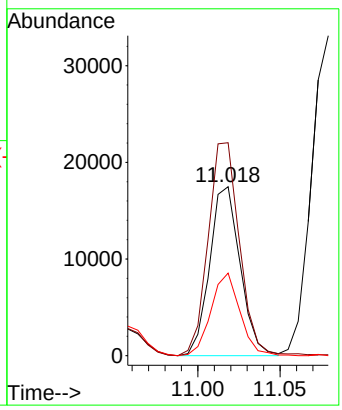


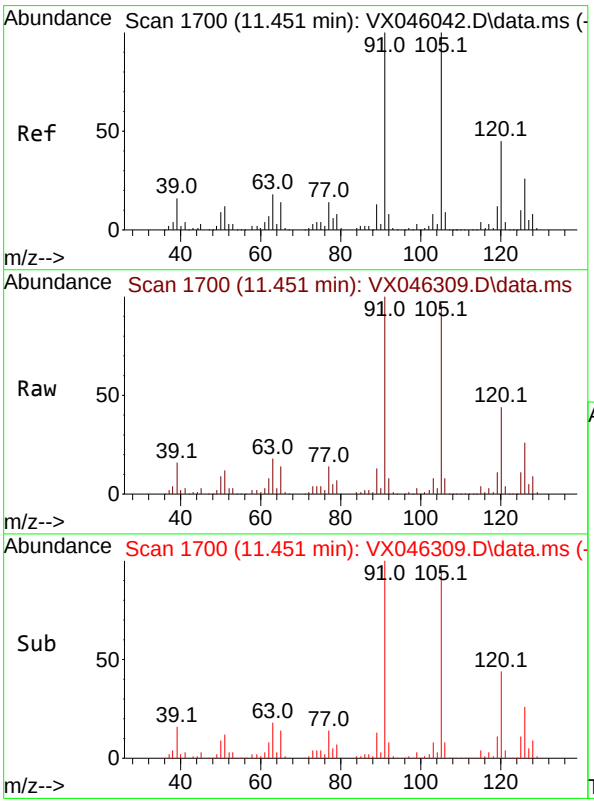
#81
trans-1,4-Dichloro-2-butene
Concen: 50.109 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 22564

Ion	Ratio	Lower	Upper
75	100		
53	129.4	100.5	150.7
89	46.4	37.0	55.6

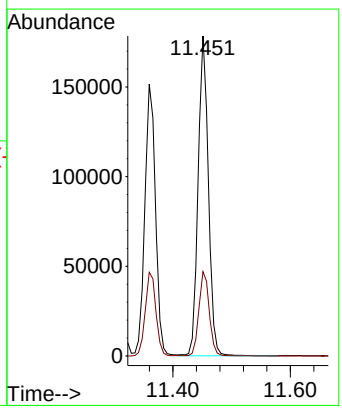


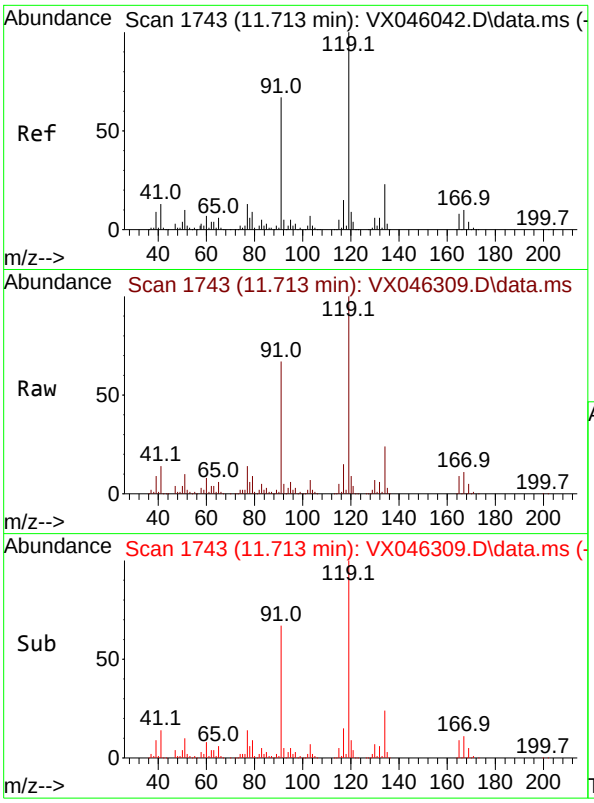


#82
4-Chlorotoluene
Concen: 54.831 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 91 Resp: 216234

Ion	Ratio	Lower	Upper
91	100		
126	26.9	13.3	39.8



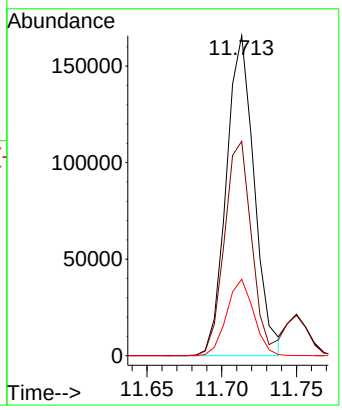


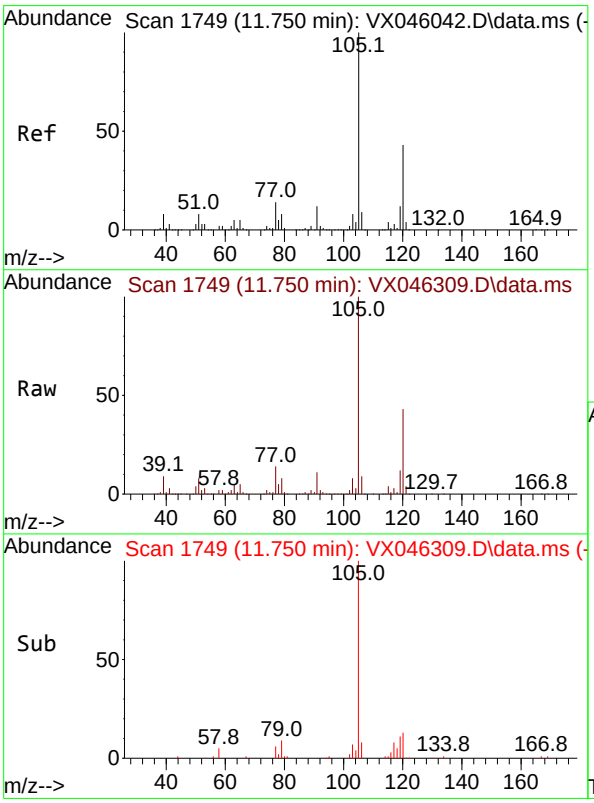
#83
tert-Butylbenzene
Concen: 54.002 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 215479

Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.9	98.7
134	23.1	11.4	34.1

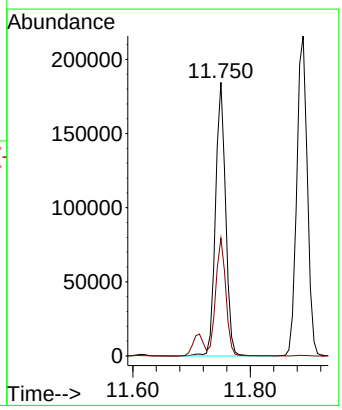


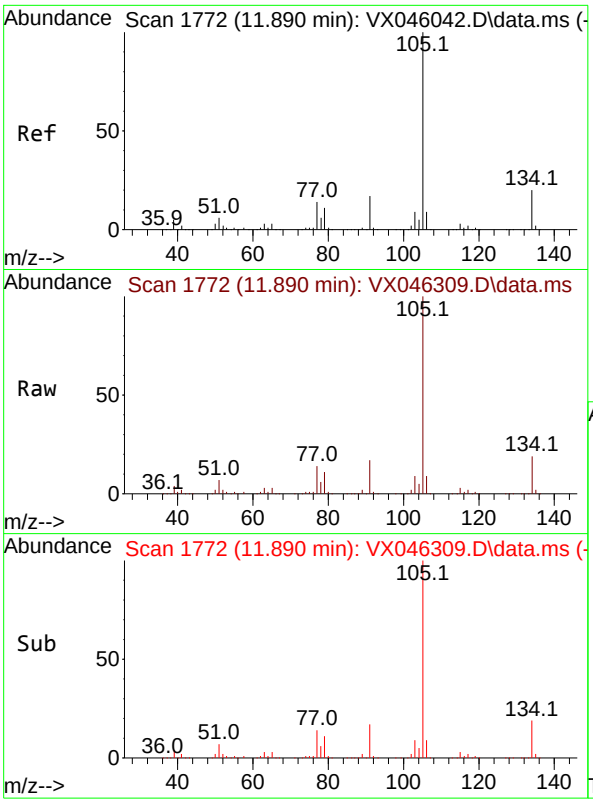


#84
1,2,4-Trimethylbenzene
Concen: 54.903 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:105 Resp: 220248

Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.2	63.6



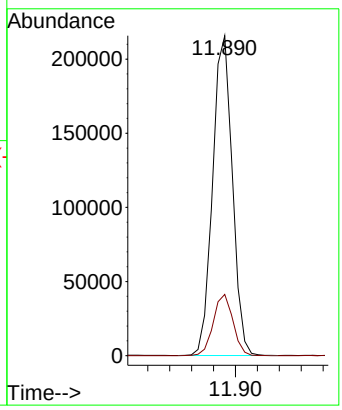


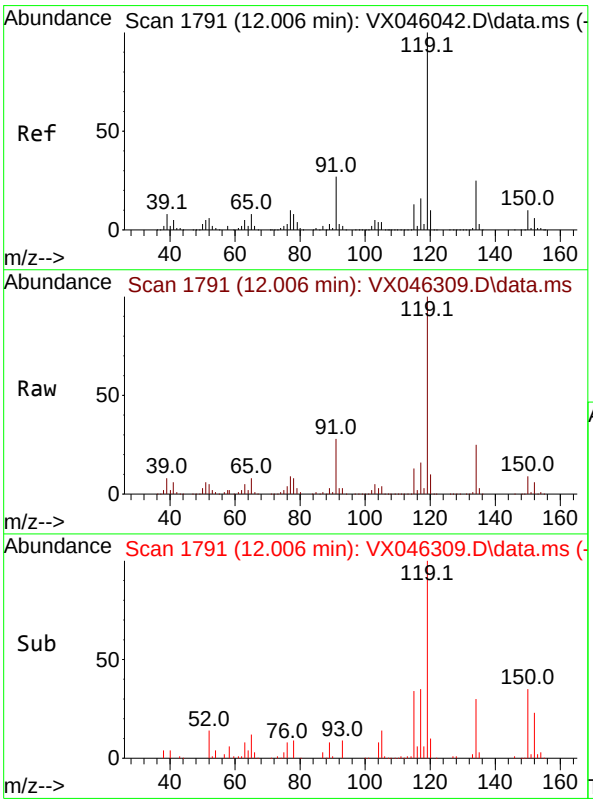
#85
sec-Butylbenzene
Concen: 54.961 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 269271

Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.7	29.1

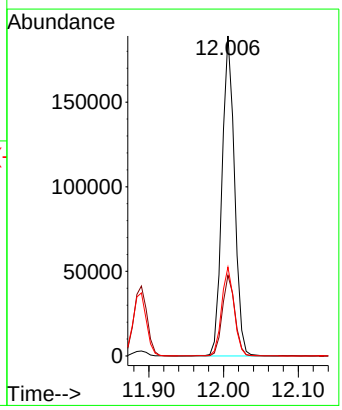


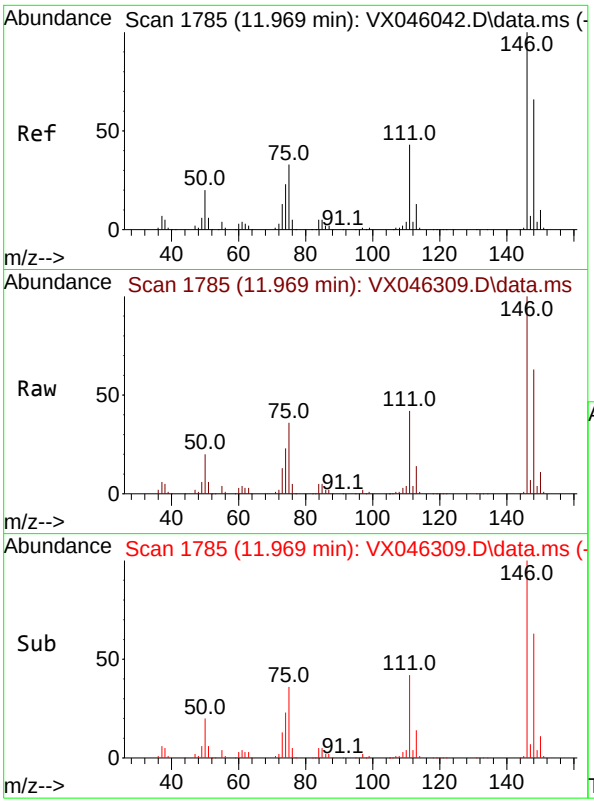


#86
p-Isopropyltoluene
Concen: 54.530 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:119 Resp: 220520

Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.5	37.5
91	27.8	13.8	41.4



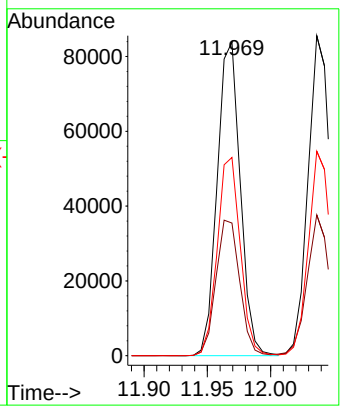


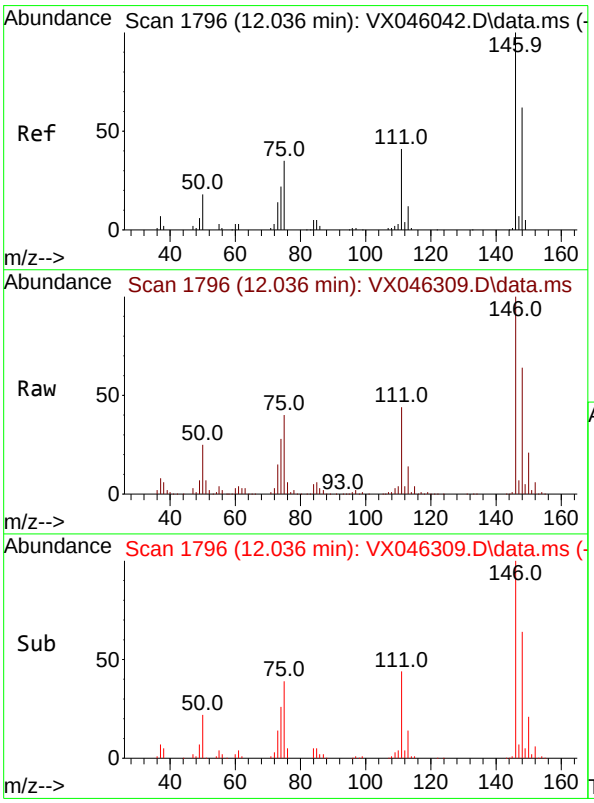
#87
1,3-Dichlorobenzene
Concen: 52.860 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 106200

Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.1	66.3
148	63.3	32.1	96.5

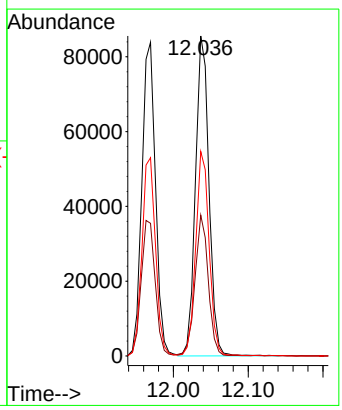


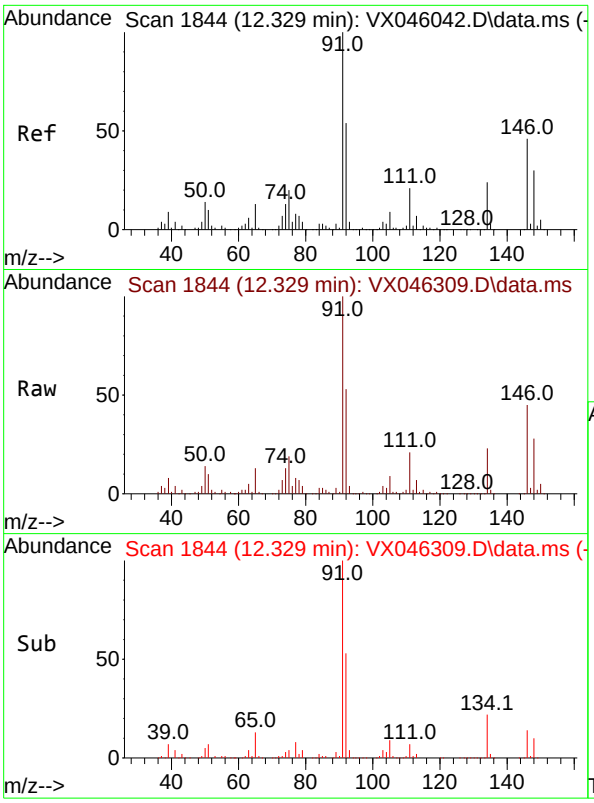


#88
1,4-Dichlorobenzene
Concen: 52.158 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:146 Resp: 107019

Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	63.5	31.9	95.5



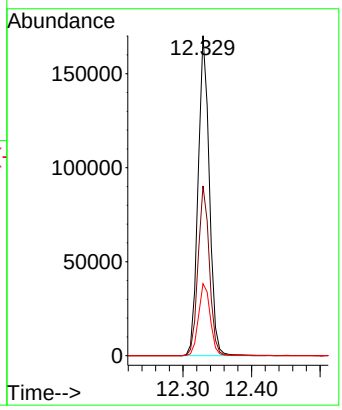


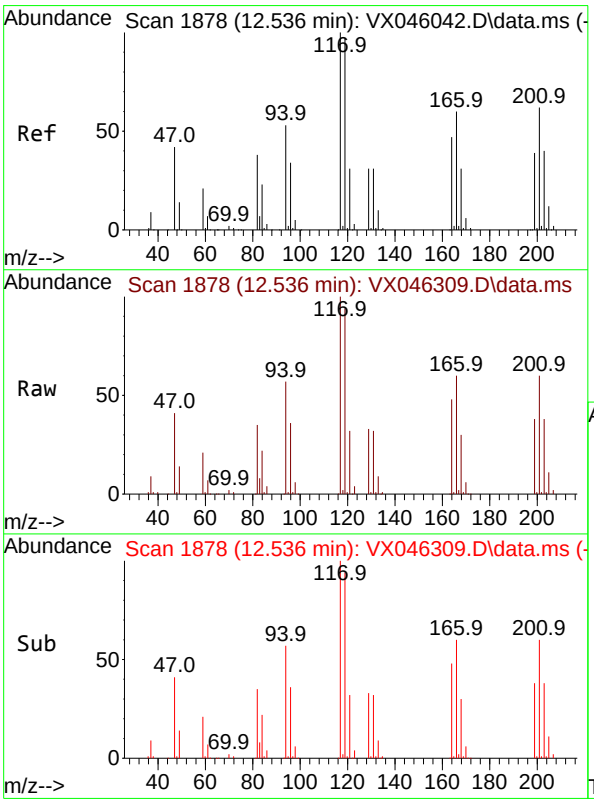
#89
n-Butylbenzene
Concen: 54.886 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 194699

Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.9	80.7
134	23.5	11.8	35.3

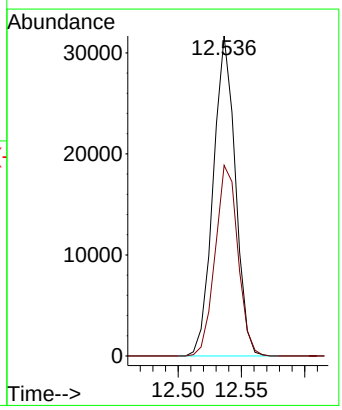


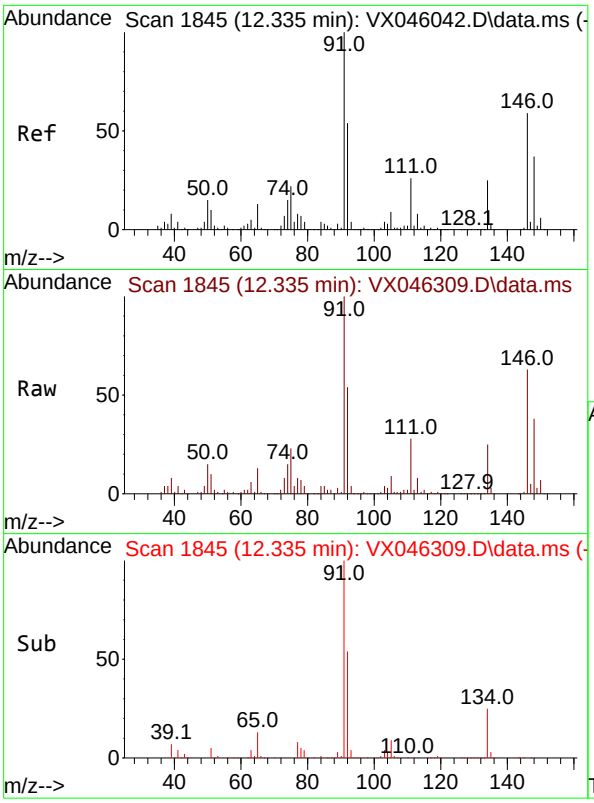


#90
Hexachloroethane
Concen: 53.906 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:117 Resp: 38406

Ion	Ratio	Lower	Upper
117	100		
201	61.4	31.6	94.7



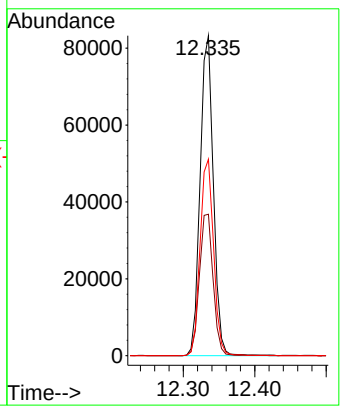


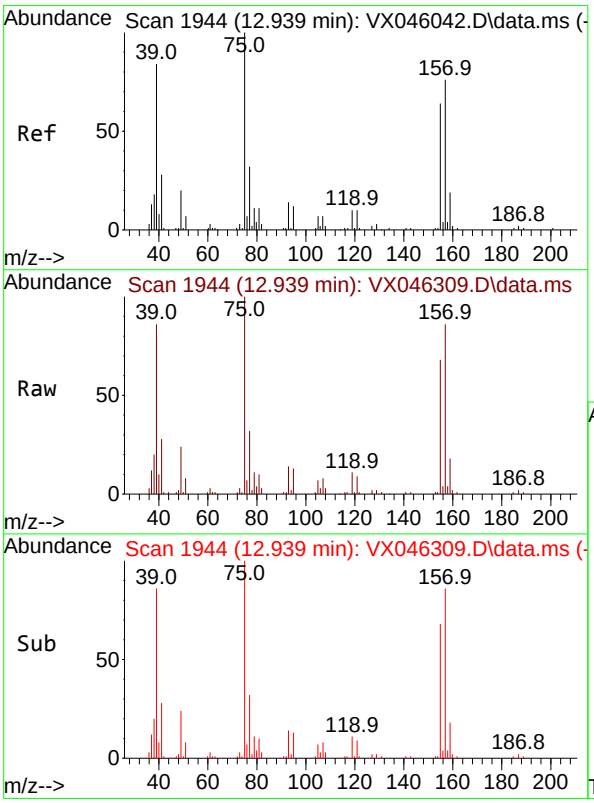
#91
1,2-Dichlorobenzene
Concen: 53.032 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 106918

Ion	Ratio	Lower	Upper
146	100		
111	45.9	22.4	67.3
148	62.9	31.6	94.8

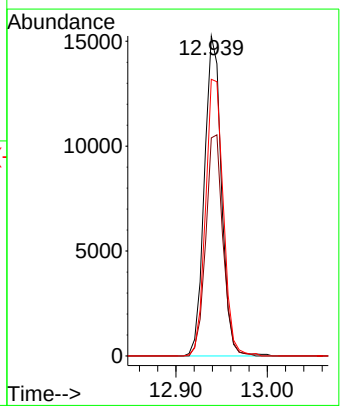


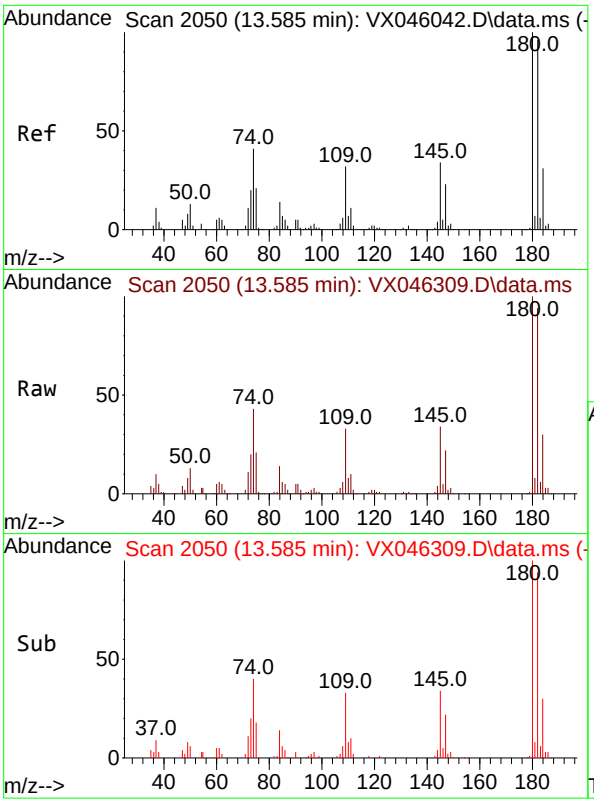


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.508 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion: 75 Resp: 19697

Ion	Ratio	Lower	Upper
75	100		
155	70.0	34.9	104.8
157	89.8	43.8	131.4



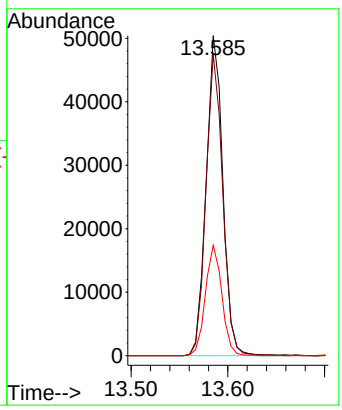


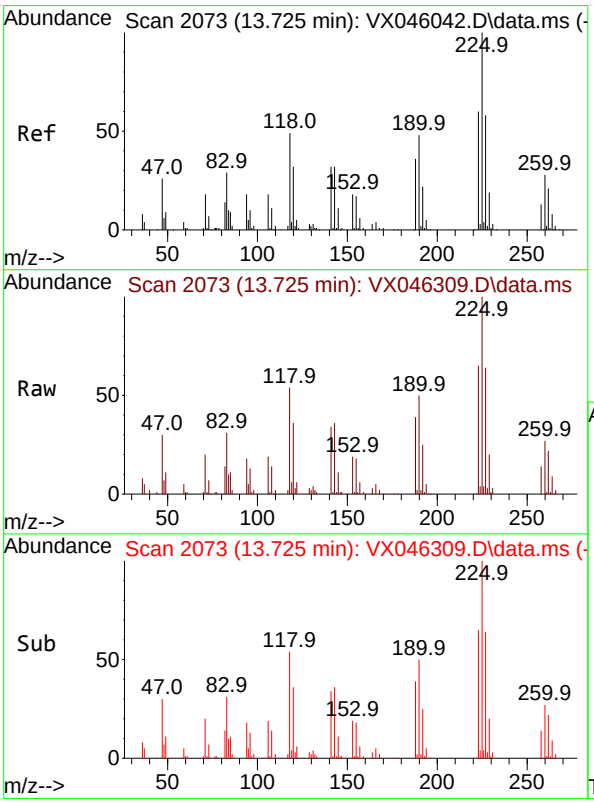
#93
1,2,4-Trichlorobenzene
Concen: 52.451 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 60736

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.8
145	34.1	17.1	51.2

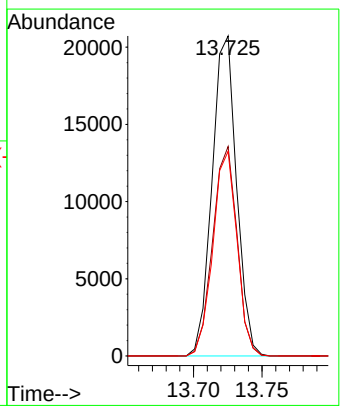


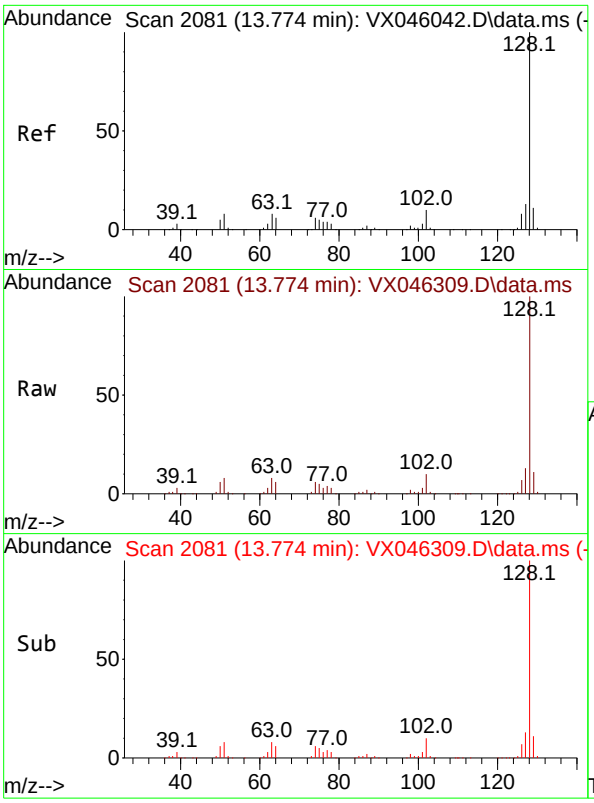


#94
Hexachlorobutadiene
Concen: 50.873 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:225 Resp: 25728

Ion	Ratio	Lower	Upper
225	100		
223	65.0	30.8	92.4
227	63.0	30.9	92.7



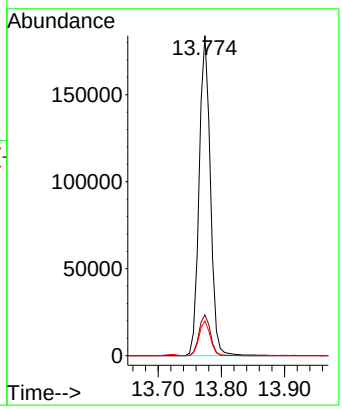


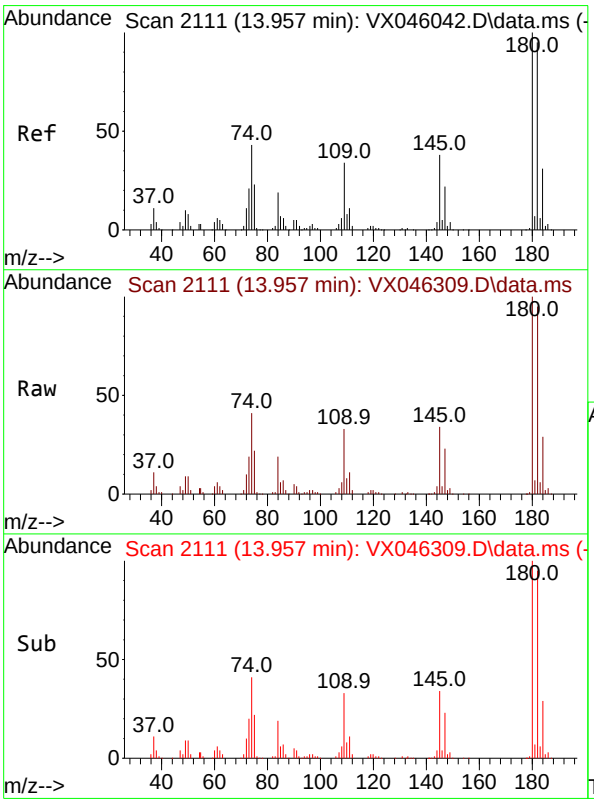
#95
Naphthalene
Concen: 53.556 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 227452

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	13.0





#96
1,2,3-Trichlorobenzene
Concen: 52.106 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX046309.D
Acq: 21 May 2025 19:44

Tgt Ion:180 Resp: 62257

Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.8	143.3
145	36.0	18.1	54.3